

CHAPTER

25

**EQUIPMENT/
FURNISHINGS**



**737-600/700/800/900
AIRCRAFT MAINTENANCE MANUAL**

**CHAPTER 25
EQUIPMENT/FURNISHINGS**

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EFFECTIVE PAGES			25-00-00 (cont)			25-00-00 (cont)		
1 thru 7	Jun 15/2009		706	Feb 10/2006		828	BLANK	
8	BLANK		707	Jun 10/2006		25-00-00		
25-CONTENTS			708	Jun 10/2006		901	Oct 10/2003	
1	Feb 15/2008		709	Jun 10/2006		902	Oct 10/2003	
2	Feb 15/2008		710	Jun 10/2006		903	Oct 10/2003	
3	Feb 15/2008		711	Jun 10/2006		904	Feb 10/2004	
O 4	Jun 15/2009		712	Oct 15/2008		905	Feb 10/2004	
5	Oct 15/2008		713	Oct 15/2008		906	Oct 10/2003	
6	Oct 15/2008		714	Oct 15/2008		25-11-00		
7	Oct 15/2008		715	Jun 10/2004		201	Feb 15/2009	
8	Oct 15/2008		716	Jun 10/2004		202	Feb 15/2009	
9	Oct 15/2008		25-00-00			25-11-01		
10	Feb 15/2009		801	Oct 15/2008		401	Jun 10/2005	
11	Oct 15/2008		802	Oct 10/2007		R 402	Jun 15/2009	
12	Oct 15/2008		803	Oct 10/2007		403	Feb 10/2004	
13	Feb 15/2009		804	Oct 10/2007		404	Jun 15/2008	
O 14	Jun 15/2009		805	Jun 10/2007		405	Feb 10/2004	
15	Oct 15/2008		806	Feb 15/2009		406	BLANK	
16	Feb 15/2009		807	Feb 15/2009		25-11-02		
17	Feb 15/2009		808	Jun 10/2007		401	Feb 10/2004	
18	Feb 15/2009		809	Jun 10/2007		402	Jun 15/2008	
19	Feb 15/2009		810	Jun 10/2007		403	Feb 15/2009	
20	Feb 15/2009		811	Feb 10/2007		404	Jun 15/2008	
21	Feb 15/2009		812	Oct 10/2007		405	Feb 15/2009	
O 22	Jun 15/2009		813	Oct 10/2007		406	Jun 15/2008	
23	Feb 15/2009		814	Oct 15/2008		25-11-03		
24	Feb 15/2009		815	Oct 15/2008		401	Feb 15/2009	
25	Feb 15/2009		816	Oct 10/2007		402	Feb 15/2009	
O 26	Jun 15/2009		817	Oct 15/2008		403	Feb 15/2009	
O 27	Jun 15/2009		818	Oct 15/2008		404	Feb 15/2009	
O 28	Jun 15/2009		819	Oct 15/2008		25-11-11		
29	Feb 15/2009		820	Oct 15/2008		601	Feb 15/2009	
30	BLANK		821	Oct 15/2008		602	Feb 15/2009	
25-00-00			822	Oct 10/2007		603	Oct 10/2003	
R 701	Jun 15/2009		823	Jun 10/2007		604	Jun 10/2005	
702	Oct 15/2008		824	Jun 15/2008		605	Oct 15/2008	
703	Oct 15/2008		825	Feb 10/2007		606	Oct 10/2004	
704	Oct 15/2008		826	Oct 15/2008		25-11-21		
705	Oct 15/2008		827	Oct 15/2008		201	Feb 15/2009	

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25-11-21 (cont)			25-11-22 (cont)			25-21-34		
202	Oct 10/2005		410	Feb 10/2006		O 401	Jun 15/2009	
203	Oct 10/2005		25-21-12			402	Oct 10/2003	
204	Feb 15/2009		401	Oct 15/2008		403	Oct 10/2003	
205	Oct 10/2006		402	Oct 15/2008		404	Oct 10/2003	
R 206	Jun 15/2009		403	Oct 15/2008		25-21-35		
R 207	Jun 15/2009		404	Oct 15/2008		401	Oct 10/2003	
R 208	Jun 15/2009		405	Oct 15/2008		402	Oct 10/2003	
R 209	Jun 15/2009		406	Oct 15/2008		403	Oct 10/2003	
R 210	Jun 15/2009		407	Oct 10/2007		404	BLANK	
R 211	Jun 15/2009		408	BLANK		25-21-45		
R 212	Jun 15/2009		25-21-20			401	Oct 10/2003	
O 213	Jun 15/2009		401	Feb 15/2009		402	Oct 10/2003	
O 214	Jun 15/2009		402	Oct 10/2007		403	Oct 10/2003	
O 215	Jun 15/2009		403	Feb 15/2009		404	BLANK	
O 216	Jun 15/2009		404	Feb 15/2009		25-21-46		
O 217	Jun 15/2009		405	Feb 15/2009		401	Feb 10/2007	
R 218	Jun 15/2009		406	Oct 10/2007		402	Feb 10/2006	
R 219	Jun 15/2009		407	Oct 10/2007		403	Oct 10/2003	
R 220	Jun 15/2009		408	BLANK		404	Oct 10/2003	
R 221	Jun 15/2009		25-21-24			25-21-71		
R 222	Jun 15/2009		401	Oct 10/2003		401	Oct 10/2003	
R 223	Jun 15/2009		402	Oct 10/2003		402	Oct 10/2003	
R 224	Jun 15/2009		403	Oct 10/2003		403	Oct 10/2003	
O 225	Jun 15/2009		404	Oct 10/2003		404	Oct 10/2003	
O 226	Jun 15/2009		25-21-25			405	Oct 10/2003	
O 227	Jun 15/2009		401	Oct 10/2003		406	Oct 10/2003	
O 228	Jun 15/2009		402	Oct 10/2003		407	Oct 10/2003	
D 229	Jun 15/2009		403	Oct 10/2003		408	Oct 10/2003	
D 230	Jun 15/2009		404	BLANK		409	Oct 10/2003	
25-11-22			25-21-30			410	Oct 10/2007	
401	Jun 10/2006		O 401	Jun 15/2009		411	Oct 10/2007	
402	Jun 10/2006		402	Oct 10/2003		412	Oct 10/2007	
403	Jun 10/2006		403	Oct 10/2003		413	Oct 10/2003	
404	Jun 10/2006		404	Oct 10/2003		414	Oct 10/2003	
405	Jun 10/2006		25-21-31			415	Oct 10/2003	
406	Jun 10/2006		401	Oct 10/2003		416	Oct 10/2003	
407	Feb 10/2006		402	Oct 10/2003		417	Oct 10/2003	
408	Feb 10/2006		403	Oct 10/2003		418	BLANK	
409	Feb 10/2006		404	BLANK				

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25-22-00			25-24-07			25-24-31 (cont)		
401	Feb 15/2009		401	Feb 15/2009		405	Feb 15/2009	
402	Feb 15/2009		402	Feb 15/2009		406	Jun 10/2007	
403	Jun 10/2007		403	Feb 15/2009		407	Feb 15/2009	
404	Feb 15/2008		404	Feb 15/2009		408	Feb 15/2009	
405	Feb 15/2009		25-24-10			409	Feb 15/2009	
406	Feb 15/2009		401	Feb 10/2006		410	Feb 15/2009	
25-22-00			402	Feb 10/2006		25-24-36		
601	Feb 15/2009		403	Feb 10/2006		201	Oct 10/2007	
602	Feb 15/2009		404	Feb 10/2006		202	Oct 10/2007	
603	Feb 10/2007		25-24-15			203	Feb 15/2009	
604	Feb 15/2009		401	Jun 10/2006		204	Feb 15/2009	
605	Feb 15/2009		402	Oct 10/2003		205	Feb 15/2009	
606	BLANK		403	Oct 10/2005		206	Feb 15/2009	
25-23-13			404	Oct 10/2007		207	Feb 15/2009	
401	Oct 10/2003		405	Jun 15/2008		208	Feb 15/2009	
402	Oct 10/2003		406	Oct 10/2007		209	Oct 10/2007	
403	Oct 10/2003		407	Oct 15/2008		210	Oct 10/2007	
404	Oct 10/2003		408	Jun 10/2007		211	Oct 10/2007	
405	Oct 10/2003		409	Jun 10/2007		R 212	Jun 15/2009	
406	BLANK		410	Jun 10/2007		213	Feb 15/2009	
25-23-61			411	Jun 10/2007		214	BLANK	
201	Oct 10/2003		412	Jun 10/2007		25-24-40		
202	Feb 15/2009		413	Jun 10/2007		201	Feb 15/2009	
R 203	Jun 15/2009		414	Jun 10/2007		202	Feb 10/2007	
R 204	Jun 15/2009		415	Jun 10/2007		203	Feb 10/2007	
205	Jun 10/2005		416	Jun 10/2007		204	Feb 10/2007	
206	Jun 10/2005		417	Jun 10/2007		205	Feb 10/2007	
207	Jun 10/2005		418	Jun 10/2007		206	Feb 10/2007	
R 208	Jun 15/2009		419	Jun 10/2007		207	Feb 10/2007	
209	Oct 10/2003		420	Oct 15/2008		208	Feb 10/2007	
210	Oct 10/2003		421	Jun 10/2007		209	Feb 10/2007	
211	Oct 10/2003		422	Jun 10/2007		210	Feb 10/2007	
212	BLANK		423	Jun 10/2007		211	Feb 10/2007	
25-24-05			424	Jun 10/2007		212	Feb 10/2007	
401	Jun 10/2006		25-24-31			213	Feb 10/2007	
402	Jun 10/2006		401	Feb 15/2009		214	Feb 10/2007	
403	Jun 10/2006		402	Feb 15/2009		215	Feb 15/2009	
404	BLANK		403	Feb 15/2009		216	Feb 15/2009	
			404	Feb 15/2009				

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401	Jun 10/2005		R 401	Jun 15/2009		404	Feb 15/2009	
402	Oct 10/2003		R 402	Jun 15/2009		405	Feb 15/2009	
403	Oct 10/2003		R 403	Jun 15/2009		406	Feb 15/2009	
404	Oct 10/2003		R 404	Jun 15/2009		407	Feb 15/2009	
405	Jun 10/2005		405	Jun 15/2008		408	Oct 15/2008	
406	Jun 10/2005		406	BLANK		409	Oct 15/2008	
25-24-51			25-27-21			410	Feb 15/2009	
401	Feb 15/2009		401	Feb 10/2004		411	Oct 15/2008	
402	Feb 15/2009		402	Jun 15/2008		412	Feb 15/2009	
403	Feb 15/2009		403	Oct 10/2004		413	Oct 15/2008	
404	Feb 15/2009		404	Oct 10/2003		414	Feb 15/2009	
405	Feb 15/2009		405	Oct 10/2003		25-31-41 Config 5		
406	Feb 15/2009		406	Oct 10/2003		401	Feb 10/2006	
407	Feb 15/2009		407	Oct 10/2003		402	Feb 15/2009	
408	Feb 15/2009		R 408	Jun 15/2009		403	Feb 15/2009	
25-24-77			25-27-31 Config 1			R 404	Jun 15/2009	
401	Feb 15/2009		401	Jun 10/2007		405	Jun 15/2008	
402	Feb 15/2009		402	Jun 10/2007		406	Feb 15/2009	
403	Feb 15/2009		403	Jun 10/2007		407	Jun 15/2008	
404	Feb 15/2009		404	Jun 10/2007		408	Jun 10/2007	
405	Feb 15/2009		405	Jun 10/2007		409	Jun 10/2007	
406	BLANK		406	BLANK		410	Jun 10/2007	
25-25-11			25-31-11			411	Jun 10/2007	
401	Feb 10/2007		401	Feb 15/2009		412	BLANK	
402	Feb 15/2009		402	Feb 15/2009		25-31-71		
403	Feb 15/2008		403	Feb 15/2009		401	Oct 10/2007	
404	Feb 15/2009		404	Jun 15/2008		402	Oct 15/2008	
405	Oct 10/2003		405	Feb 15/2009		403	Jun 15/2008	
406	BLANK		406	Feb 15/2009		404	Oct 10/2007	
25-25-12			407	Feb 15/2009		405	Oct 10/2007	
R 401	Jun 15/2009		408	Oct 15/2008		406	BLANK	
R 402	Jun 15/2009		409	Oct 15/2008		25-31-83		
403	Oct 10/2003		410	Oct 15/2008		401	Feb 15/2009	
404	BLANK		411	Oct 15/2008		402	Feb 15/2009	
25-25-12			412	Feb 15/2009		403	Feb 15/2009	
601	Feb 15/2009		25-31-21			404	BLANK	
602	Feb 15/2009		401	Feb 15/2009		25-40-01		
603	Oct 10/2003		402	Feb 15/2009		R 401	Jun 15/2009	
604	Feb 15/2009		403	Feb 15/2009		R 402	Jun 15/2009	

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25-40-01 (cont)			25-40-15 (cont)			25-51-04 (cont)		
403	Jun 10/2004		R 402	Jun 15/2009		202	Feb 15/2009	
404	Oct 10/2005		O 403	Jun 15/2009		203	Feb 15/2009	
405	Jun 10/2004		R 404	Jun 15/2009		204	Feb 15/2009	
406	BLANK		R 405	Jun 15/2009		205	Feb 15/2009	
25-40-08			R 406	Jun 15/2009		206	Feb 15/2009	
601	Feb 15/2009		O 407	Jun 15/2009		207	Feb 15/2009	
602	Feb 15/2009		O 408	Jun 15/2009		208	Feb 15/2009	
603	Jun 10/2007		409	Oct 10/2005		25-51-05		
604	Jun 10/2007		410	Jun 10/2007		401	Feb 15/2009	
605	Feb 15/2009		411	Feb 15/2009		402	Feb 15/2009	
606	BLANK		412	BLANK		403	Feb 15/2009	
25-40-11			25-51-00			404	Feb 15/2009	
401	Jun 10/2006		401	Feb 15/2009		405	Feb 15/2009	
R 402	Jun 15/2009		402	Feb 15/2009		406	Feb 15/2009	
R 403	Jun 15/2009		403	Feb 15/2009		407	Feb 15/2009	
O 404	Jun 15/2009		404	Feb 15/2009		408	Feb 15/2009	
R 405	Jun 15/2009		25-51-01			25-51-06		
R 406	Jun 15/2009		401	Feb 15/2009		401	Feb 15/2009	
O 407	Jun 15/2009		402	Feb 15/2009		402	Feb 15/2009	
408	Feb 15/2009		403	Feb 15/2009		403	Feb 15/2009	
409	Feb 15/2008		404	Feb 15/2009		404	Feb 15/2009	
410	Jun 10/2006		405	Feb 15/2009		25-51-07		
411	Jun 10/2007		406	BLANK		201	Feb 15/2009	
412	Feb 15/2009		25-51-02			202	Feb 15/2009	
25-40-14			401	Feb 15/2009		203	Feb 15/2009	
R 401	Jun 15/2009		402	Feb 15/2009		204	Feb 15/2009	
R 402	Jun 15/2009		403	Feb 15/2009		205	Feb 15/2009	
O 403	Jun 15/2009		404	Feb 10/2007		206	Feb 15/2009	
R 404	Jun 15/2009		405	Feb 10/2007		25-51-08		
R 405	Jun 15/2009		406	Feb 15/2009		401	Feb 15/2009	
R 406	Jun 15/2009		407	Feb 15/2009		402	Feb 15/2009	
R 407	Jun 15/2009		408	Feb 15/2009		403	Feb 15/2009	
O 408	Jun 15/2009		25-51-03			404	Feb 15/2009	
409	Oct 10/2005		401	Feb 15/2009		405	Feb 15/2009	
410	Jun 10/2007		402	Feb 15/2009		406	Feb 15/2009	
411	Feb 15/2009		403	Feb 15/2009		407	Feb 15/2009	
412	BLANK		404	Feb 15/2009		408	Feb 15/2009	
25-40-15			25-51-04			409	Feb 15/2009	
R 401	Jun 15/2009		201	Feb 15/2009		410	BLANK	

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25-51-09			25-52-06 (cont)			25-52-19		
201	Feb 15/2009		406	Feb 15/2009		401	Oct 10/2003	
202	Feb 15/2009		407	Feb 15/2009		402	Oct 10/2003	
203	Feb 15/2009		408	BLANK		403	Oct 10/2003	
204	Feb 15/2009		25-52-09			404	Oct 10/2003	
25-52-00			R 401	Jun 15/2009		25-52-20		
601	Feb 15/2009		R 402	Jun 15/2009		401	Oct 10/2003	
602	Feb 15/2009		O 403	Jun 15/2009		402	Oct 10/2003	
603	Feb 15/2009		O 404	Jun 15/2009		403	Oct 10/2003	
604	Feb 15/2009		R 405	Jun 15/2009		404	Oct 10/2003	
605	Feb 15/2009		R 406	Jun 15/2009		25-61-10		
606	Feb 15/2009		25-52-10			201	Feb 15/2009	
25-52-00			401	Feb 15/2009		202	Feb 15/2009	
701	Oct 15/2008		R 402	Jun 15/2009		203	Feb 10/2006	
702	Oct 10/2007		R 403	Jun 15/2009		204	Feb 10/2006	
703	Oct 15/2008		404	Oct 10/2005		205	Feb 10/2006	
704	Oct 10/2007		405	Oct 15/2008		206	Feb 15/2009	
25-52-01			406	Feb 15/2009		R 207	Jun 15/2009	
801	Feb 10/2007		407	Feb 15/2009		208	Feb 15/2009	
802	Feb 15/2009		408	BLANK		209	Feb 15/2009	
803	Jun 10/2007		25-52-12			210	Feb 10/2007	
804	Oct 10/2007		401	Jun 10/2005		211	Feb 10/2007	
805	Feb 15/2009		402	Jun 10/2005		212	Feb 10/2007	
806	Oct 10/2003		403	Jun 10/2005		25-61-13		
807	Jun 10/2006		404	Jun 10/2005		401	Oct 15/2008	
808	Jun 10/2005		25-52-16			402	Oct 15/2008	
809	Jun 10/2005		401	Oct 10/2003		403	Oct 15/2008	
810	Feb 10/2006		402	Oct 10/2003		404	Oct 10/2003	
811	Feb 10/2006		403	Oct 10/2003		25-64-00		
812	Feb 15/2009		404	Oct 10/2003		201	Feb 15/2009	
813	Feb 15/2008		25-52-17			202	Feb 15/2009	
814	Feb 15/2008		401	Oct 10/2003		203	Feb 15/2009	
815	Feb 15/2009		402	Oct 10/2003		204	Feb 15/2009	
816	BLANK		403	Oct 10/2003		205	Feb 15/2009	
25-52-06			404	Oct 10/2003		206	Feb 15/2009	
401	Feb 15/2009		25-52-18			207	Feb 15/2009	
R 402	Jun 15/2009		401	Feb 10/2007		208	BLANK	
R 403	Jun 15/2009		402	Oct 10/2003		25-64-00		
404	Feb 15/2009		403	Oct 10/2003		401	Feb 15/2009	
405	Feb 15/2009		404	Feb 10/2007		402	BLANK	

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25-66-00			25-66-02 (cont)			25-80-00 (cont)		
201	Jun 15/2008		202	Oct 15/2008		807	Feb 15/2009	
202	Jun 15/2008		203	Oct 10/2003		R 808	Jun 15/2009	
203	Oct 10/2003		204	Oct 15/2008		O 809	Jun 15/2009	
204	BLANK		25-71-00			O 810	Jun 15/2009	
25-66-00			401	Jun 10/2007		O 811	Jun 15/2009	
501	Feb 15/2009		402	Jun 10/2007		O 812	Jun 15/2009	
502	Feb 15/2009		403	Feb 10/2007		R 813	Jun 15/2009	
503	Oct 10/2003		404	Oct 10/2003		O 814	Jun 15/2009	
504	Oct 10/2003		405	Oct 10/2003		O 815	Jun 15/2009	
25-66-01			406	Oct 10/2003		O 816	Jun 15/2009	
R 401	Jun 15/2009		407	Oct 10/2003		817	Jun 10/2006	
O 402	Jun 15/2009		408	Feb 10/2007		818	Jun 10/2006	
403	Oct 10/2005		409	Feb 10/2007		819	Jun 10/2006	
404	Feb 15/2009		410	Feb 10/2007		820	Jun 10/2006	
405	Feb 15/2009		25-71-00			821	Jun 10/2006	
406	Feb 15/2009		601	Feb 15/2009		822	Jun 10/2006	
407	Feb 15/2009		602	Feb 15/2009		823	Jun 10/2006	
408	Feb 15/2009		25-80-00			824	Jun 10/2006	
409	Feb 15/2009		401	Jun 15/2008		825	Jun 10/2006	
410	Feb 15/2009		R 402	Jun 15/2009		826	Jun 10/2006	
411	Feb 15/2009		403	Feb 15/2008		827	Oct 15/2008	
412	Feb 15/2009		404	Feb 15/2009		828	Feb 15/2009	
413	Feb 15/2009		405	Jun 10/2005				
R 414	Jun 15/2009		406	Jun 10/2005				
O 415	Jun 15/2009		407	Jun 10/2005				
O 416	BLANK		408	Jun 10/2005				
D 417	Jun 15/2009		409	Jun 10/2005				
D 418	Jun 15/2009		410	Jun 10/2005				
D 419	Jun 15/2009		411	Jun 10/2005				
D 420	BLANK		412	Jun 10/2005				
25-66-01			413	Jun 10/2005				
601	Feb 15/2009		414	BLANK				
R 602	Jun 15/2009		25-80-00					
O 603	Jun 15/2009		R 801	Jun 15/2009				
O 604	Jun 15/2009		802	Oct 15/2008				
O 605	Jun 15/2009		803	Oct 15/2008				
O 606	Jun 15/2009		804	Oct 15/2008				
25-66-02			805	Oct 15/2008				
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<u>EQUIPMENT/FURNISHINGS - CLEANING/ PAINTING</u>	25-00-00		701	HAP ALL
Clean the Airplane Equipment and Furnishings TASK 25-00-00-100-801			701	HAP ALL
Paint the Airplane Equipment and Furnishings TASK 25-00-00-370-801			711	HAP ALL
<u>EQUIPMENT/FURNISHINGS - REPAIRS</u>	25-00-00		801	HAP ALL
Crushed-Core and Sandwich Panel Repair TASK 25-00-00-300-801			801	HAP ALL
Decorative Surface Repair TASK 25-00-00-300-802			806	HAP ALL
Decorative Tedlar Removal/Installation TASK 25-00-00-900-801			811	HAP ALL
Repair for Nomex Honeycomb Sandwich Panels with a Decorative Tedlar Cover TASK 25-00-00-300-803			813	HAP ALL
Repair for Tedlar Covers of Aluminum Laminates TASK 25-00-00-300-804			817	HAP ALL
Perforated Panel Repair TASK 25-00-00-300-805			817	HAP ALL
Repair for Polycarbonate (Lexan), Ultem, and Declar Plastics TASK 25-00-00-340-801			822	HAP ALL
Repair Urethane Foam TASK 25-00-00-350-801			824	HAP ALL
Repair Aluminum Trim TASK 25-00-00-350-802			825	HAP ALL

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<u>AFT SLIDING CARPET LOADING SYSTEM GUIDE AND SUPPORT PANELS - MAINTENANCE PRACTICES</u>	25-51-04		201	HAP 001-013, 015-026, 028-049, 051-053, 101-999
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<u>AFT SLIDING CARPET LOADING SYSTEM SUPPORT SYSTEMS - REMOVAL/ INSTALLATION</u>	25-51-08		401	HAP 001-013, 015-026, 028-049, 051-053, 101-999
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<u>FLOOR-MOUNTED ESCAPE SLIDE BRACKETS - MAINTENANCE PRACTICES</u>	25-66-02		201	HAP ALL
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<u>INSULATION BLANKET - REMOVAL/ INSTALLATION</u>	25-80-00		401	HAP ALL
Insulation Blanket Removal TASK 25-80-00-000-801			401	HAP ALL
Insulation Blanket Installation TASK 25-80-00-400-801			401	HAP ALL
<u>INSULATION - REPAIRS</u>	25-80-00		801	HAP ALL
Repair the Insulation Blanket with BMS8-142 Cover Material TASK 25-80-00-340-801			801	HAP 001-013, 015-026, 028-030 PRE SEP 2, 2005 FAR STD; AIRPLANES WITHOUT FAR 25.856(a) COMPLIANT THERMAL/ ACOUSTIC INSULATION MATERIALS
Repair the Insulation Blanket with BMS8-115 Cover Material TASK 25-80-00-340-802			805	HAP 001-013, 015-026, 028-030 PRE SEP 2, 2005 FAR STD; AIRPLANES WITHOUT FAR 25.856(a) COMPLIANT THERMAL/ ACOUSTIC INSULATION MATERIALS

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Repair the Insulation Blanket with BMS8-370 Cover Material TASK 25-80-00-340-805			811	HAP 031-054, 101-999; HAP 001-013, 015-026, 028-030 POST SEP 2, 2005 FAR STD; AIRPLANES WITH FAR 25.856(a) COMPLIANT THERMAL/ ACOUSTIC INSULATION MATERIALS
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1. General

A. This procedure contains these tasks:

- (1) The cleaning of the airplane equipment and furnishings.
- (2) The painting of the airplane equipment and furnishings.

TASK 25-00-00-100-801

2. Clean the Airplane Equipment and Furnishings

(Figure 701)

A. General

(1) Many of the decorative surfaces contain different materials. Some of these materials are:

- (a) Tedlar
- (b) Polycarbonate (Lexan)
- (c) Fabrics
- (d) Silicone
- (e) Rubber
- (f) Metal
- (g) Ultem
- (h) Declar

(2) Be careful not to get the clean surfaces dirty when cleaning adjacent surfaces.

B. References

Reference	Title
12-16-03-100-801	Clean The Passenger Compartment Windows (P/B 301)
25-00-00-300-802	Decorative Surface Repair (P/B 801)

C. Tools/Equipment

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt:", which stands for Optional.

Reference	Description
COM-2477	Tools - Vacuum Cleaner Set (Part #: 44SPEC, Supplier: 0Y8U0, A/P Effectivity: 737-ALL) (Part #: 655406-7M, Supplier: 0Y8U0, A/P Effectivity: 737-ALL) (Part #: BP80, Supplier: \$0373, A/P Effectivity: 737-ALL) (Part #: C-39485-41, Supplier: 16893, A/P Effectivity: 737-ALL) (Part #: C-39485-42, Supplier: 16893, A/P Effectivity: 737-ALL) (Part #: C-39685-01, Supplier: 16893, A/P Effectivity: 737-ALL) (Part #: C-47400-00, Supplier: 16893, A/P Effectivity: 737-ALL) (Part #: R80, Supplier: \$0373, A/P Effectivity: 737-ALL) (Part #: WD80, Supplier: \$0373, A/P Effectivity: 737-ALL) (Opt Part #: 02132B, Supplier: 0A5X2, A/P Effectivity: 737-ALL)
STD-123	Brush - Soft Bristle
STD-810	Spatula - Fillet Smoothing, Hardwood or Plastic
STD-1064	Scraper - Phenolic, Hard Resin
STD-3911	Brush - Bristle, Medium Nylon
STD-4048	Bottle - Hand Spray

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D. Consumable Materials

Reference	Description	Specification
B00015	Cleaner - Heavy Duty, Multipurpose - Calla 301A	BAC5744
B00032	Cleaner - Glass - GLYST A-1859	
B00033	Cleaner - Glass - Glasswax	
B00068	Alcohol - Ethyl (Denatured)	AMS 3002F (MIL-E-51454, Type II)
B00081	Solvent - Trichloroethylene	BMS11-6
B00083	Solvent - Aliphatic Naphtha (For Acrylic Plastics)	TT-N-95 Type II, ASTM D-3735 Type III
B00090	Solvent - Inhibited Trichloroethane 1,1,1	MIL-T-81533
B00093	Solvent - Tetrachloroethylene (Perchloroethylene)	ASTM D4081
B00148	Solvent - Methyl Ethyl Ketone (MEK)	ASTM D740
B00153	Solvent - Toluene, Nitration	JAN-T-171, Grade A
B00157	Cleaner - Detergent - Spraywhite E	
B00158	Cleaner - Detergent - Clean Quick	
B00161	Cleaner - Detergent - Orvus W. A. paste	
B00294	Cleaner - Detergent - Glo Do-All Formula 1D	
B00334	Cleaner - bicarbonate of soda	
B00460	Cleaner - Multi-Purpose - Winsol APC-120-WX	
B00541	Cleaner - General Purpose Household Detergent	
B00700	Polish - Aluminum, Met-All	
B00702	Cleaner - Acrylic Window - Dustless (An alternative is Static Stop)	BAC5038
B00703	Compound - Plastic Polish	P-P-560
B00705	Cleaner - Detergent - SE-700	
B00710	Cleaner - Clear Plastic, Meguiar's Mirror Glaze 17 - (Formerly Meguiar's MGH-17)	
G00034	Cotton Wiper - Process Cleaning Absorbent Wiper (Cheesecloth, Gauze)	BMS15-5
G00116	Sponge - Synthetic	
G00270	Tape - Scotch Flatback Masking 250	ASTM D6123 (Supersedes A-A-883)
G02360	Tape - Hook/Loop Fastener (Polypropylene Hook & Nylon Loop)	BMS 8-285, Type IV
G02414	Brush - Stainless Steel	
G50222	Brush - Stiff Bristle, Non-Metallic - Tampico GA55-1	

E. Location Zones

Zone	Area
200	Upper Half of Fuselage

F. Procedure

SUBTASK 25-00-00-160-001

- (1) Use these special tools and equipment:
 - (a) vacuum cleaner tool set, COM-2477

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SUBTASK 25-00-00-160-002

- (2) Use these standard tools and equipment:
- (a) hand spray bottle, STD-4048
 - (b) Tamico GA55-1 brush, G50222 - Stiff fiber, 1/2 inch (13 mm) long bristles, 1/4 to 2 inches (6-51 mm) wide (glue brushes or paint brushes with bristles cut to length).
 - (c) medium nylon bristle brush, STD-3911 - Medium fiber bristles, 4 inches (10 cm) wide
 - (d) brush, G02414- Hand, solvent - resistant
 - (e) hard resin phenolic scraper, STD-1064
 - (f) cotton wiper, G00034
 - (g) hardwood or plastic fillet smoothing spatula, STD-810
 - (h) sponge, G00116
 - (i) vacuum cleaner tool set, COM-2477

SUBTASK 25-00-00-110-001

- (3) Use these detergents:
- (a) Winsol APC-120-WX cleaner, B00460
 - (b) Calla 301A cleaner, B00015
 - (c) Spraywhite E cleaner, B00157
 - (d) Clean Quick cleaner, B00158
 - (e) Glo Do-All Formula 1D cleaner, B00294
 - (f) Orvus WA paste cleaner, B00161
 - (g) SE-700 cleaner, B00705

SUBTASK 25-00-00-110-002

- (4) Use these cleaners:
- (a) GLYST A-1859 cleaner, B00032
 - (b) Glasswax cleaner, B00033
 - (c) bicarbonate of soda cleaner, B00334
 - (d) Dustless cleaner, B00702
 - (e) compound, B00703
 - (f) clear plastic cleaner, B00710

SUBTASK 25-00-00-110-003

- (5) Use these solvents:
- (a) alcohol, B00068
 - (b) solvent, B00090
 - (c) solvent, B00081
 - (d) solvent, B00083
 - (e) solvent, B00093
 - (f) solvent, B00153
 - (g) solvent, B00148

SUBTASK 25-00-00-110-004

- (6) Use this metal polish:

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- (a) Met-All polish, B00700

G. Prepare to Clean

SUBTASK 25-00-00-160-003

- (1) These are your recommended detergent mixtures:
 - (a) Mix one part Spraywhite E cleaner, B00157 to 10 parts water (by volume).
 - (b) Mix one part Clean Quick cleaner, B00158 to 64 parts water (by volume).
 - (c) Mix one part Orvus WA paste cleaner, B00161 to 30 parts water (by volume).
 - (d) Mix one part SE-700 cleaner, B00705 to 20 parts water (by volume).
 - (e) Mix one part Glo Do-All Formula 1D cleaner, B00294 to 30 parts water (by volume).
 - (f) Mix one part Winsol APC-120-WX cleaner, B00460 to 32 parts water (by volume).
 - (g) Mix one part Calla 301A cleaner, B00015 to three parts water (by volume).

H. Clean the Opaque Plastic and Painted Surfaces

NOTE: Use foam and vacuum cleaner to remove the unwanted materials from perforated or acoustic surfaces. If you cannot use foam and a vacuum cleaner, use moist cloths or sponges. If the cloths are soaked, too much fluid will go through the perforations and openings.

SUBTASK 25-00-00-160-004

CAUTION: DO NOT RUB SOLID-COLORED TEDLAR SURFACES WHEN THEY ARE DRY. PARTICLES GET PUSHED INTO THE SURFACE OF THE MATERIAL, AND IT IS DIFFICULT TO GET THE SURFACE CLEAN IF THAT OCCURS.

- (1) To clean a small area on the surface, do the steps that follow:
 - (a) Lift the loose unwanted material with a cotton wiper, G00034 wiper.

NOTE: Do not rub, spread, or push the unwanted material into the textured or perforated surfaces, joints, or seams.
 - (b) Apply mixed detergent to the dirty area with a spray hand spray bottle, STD-4048 or moist sponge, G00116.
 - (c) Lightly rub the area with a cotton wiper, G00034 wiper.

NOTE: For textured surfaces, remove the unwanted materials from recesses with a small fiber brush.
 - (d) Remove the detergent with a sponge, G00116 that is moist with water.
 - (e) Dry the area with a clean cotton wiper, G00034 wiper. Rub the area in a straight line movement. If the area stays dirty do the steps that follow:

WARNING: DO NOT GET SOLVENTS IN YOUR MOUTH, EYES, OR ON YOUR SKIN. DO NOT BREATHE THE FUMES FROM SOLVENTS. PUT ON PROTECTIVE SPLASH GOGGLES AND GLOVES WHEN YOU USE SOLVENTS. SOLVENTS ARE POISONOUS MATERIALS. IF YOU DO NOT USE SOLVENTS CAREFULLY, INJURY CAN OCCUR.

CAUTION: DO NOT USE MORE SOLVENT THAN IS NECESSARY. MAKE SURE YOU PREVENT THE CONTAMINATION OF THE ADJACENT CLEAN AREAS BY THE SOLVENT. THE USE OF TOO MUCH SOLVENT CAN CAUSE DAMAGE TO THE SURFACE.

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(CAUTION PRECEDES)

CAUTION: USE ONLY FREON OR ALIPHATIC NAPHTHA TYPE II TO CLEAN PLASTICS. HOWEVER, DO NOT USE FREON IF THE PART IS PAINTED WITH A WATER BASED PAINT. THE FREON WILL CAUSE DAMAGE TO THE PAINT. YOU CAN USE ALIPHATIC NAPHTHA FOR PAINTED SURFACES, BUT FIRST YOU MUST REMOVE THE PART FROM THE AIRPLANE.

- 1) Carefully rub the dirty area with a cotton wiper, G00034 wiper that is moist with solvent, B00083.
- 2) Do the steps again to remove the solvent with a detergent.

SUBTASK 25-00-00-160-005

(2) To clean all of the surface do the steps that follow:

- (a) Apply mixed detergent to the surface with a sponge, G00116 or a spray hand spray bottle, STD-4048.
- (b) Let the detergent stay on the surface for one-half to two minutes.
- (c) Rub the surface with a cotton wiper, G00034 that is moist with clean water.
- (d) Remove the detergent with a clean cotton wiper, G00034 that is soaked with clean water.
- (e) Dry the surface with a clean dry cotton wiper, G00034.

I. Clean Tedlar Covered Surfaces

SUBTASK 25-00-00-160-006

(1) To clean the tedlar covered surface of a part while it is installed in the airplane, do these steps:

- (a) Mix one part of Spraywhite E cleaner, B00157 with 5 to 10 parts water (by volume).

CAUTION: DO NOT LET ETHYL ALCOHOL TOUCH THE PLASTIC PARTS. ETHYL ALCOHOL CAN CAUSE DAMAGE TO PLASTIC PARTS.

- (b) Apply the mixture with a medium nylon bristle brush, STD-3911 that has soft to medium bristles. Rub the surface in all directions with the medium nylon bristle brush, STD-3911.

NOTE: Add up to 30% alcohol, B00068 (by volume) to remove nicotine.

- (c) Remove the detergent with a sponge, G00116 that is moist with clean water.
- (d) Dry the area with a clean cotton wiper, G00034.

SUBTASK 25-00-00-160-007

(2) To clean the tedlar-coated surface of a part that is out of the airplane, do the steps that follow:

- (a) Repair all the damaged parts (TASK 25-00-00-300-802).
- (b) You can use the same method to clean the parts you would use if the parts were installed, or you can use the method that follows:
 - 1) Remove or cover with Scotch Flatback Masking Tape 250, G00270 all the plastic and painted surfaces which are not resistant to solvent damage.

NOTE: These solvents will remove the paint from the edge of the part.

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WARNING: DO NOT GET SOLVENTS IN YOUR MOUTH OR EYES, OR ON YOUR SKIN. DO NOT BREATHE THE FUMES FROM SOLVENTS. PUT ON PROTECTIVE SPLASH GOGGLES AND GLOVES WHEN YOU USE SOLVENTS. KEEP SOLVENTS AWAY FROM SPARKS, FLAME, AND HEAT. SOLVENTS ARE POISONOUS AND FLAMMABLE AND WILL CAUSE INJURY OR DAMAGE.

- 2) Clean the part with a clean cotton wiper, G00034 and one of these solvents:
 - a) solvent, B00148
 - b) solvent, B00153
 - c) A 50%-50% mixture of solvent, B00148 and solvent, B00153.
 - d) alcohol, B00068
 - e) solvent, B00093 or solvent, B00090.
- 3) If you accidentally remove paint from a part while using a solvent apply primer and paint to these areas.

NOTE: Refer to the paint that is recommended in the Airplane equipment and furnishings task for instructions.

J. Clean the translucent and transparent plastic surfaces.

SUBTASK 25-00-00-160-008

WARNING: DO NOT GET FREON IN YOUR MOUTH, EYES, OR ON YOUR SKIN. DO NOT BREATHE THE FUMES FROM FREON. PUT ON PROTECTIVE SPLASH GOGGLES AND GLOVES WHEN YOU USE FREON. FREON IS A POISONOUS MATERIAL WHICH CAN CAUSE INJURY OR DAMAGE.

CAUTION: DO NOT RUB THE PLASTIC SURFACES WITH A DRY CLOTH. THIS WILL CAUSE SCRATCHES AND AN ELECTROSTATIC CHANGE.

- (1) Rub the surface lightly with a clean cotton wiper, G00034 that is soaked with mixed detergent.

NOTE: Refer to (TASK 12-16-03-100-801) for instructions to clean the windows.

SUBTASK 25-00-00-160-009

- (2) Remove the detergent with a clean cotton wiper, G00034 that is moist with water.

SUBTASK 25-00-00-160-010

- (3) Remove a thin dust layer or electrostatic charge with a clean cotton wiper, G00034 that is moist with water.

K. Clean the Mirrors

SUBTASK 25-00-00-160-011

- (1) To clean the glass mirrors, do these steps:
 - (a) Use a razor blade to remove dry paint and other unwanted materials that are not easy to rub off.
 - (b) Use glyst concentrated glass cleaner or glasswax to clean the glass.

NOTE: Obey the manufacture's CAUTIONS and instructions.

SUBTASK 25-00-00-160-012

CAUTION: DO NOT RUB THE PLASTIC SURFACES WITH A DRY CLOTH. THIS WILL CAUSE SCRATCHES AND AN ELECTROSTATIC CHARGE.

- (2) To clean the plastic mirrors, do these steps:
 - (a) Remove the loose unwanted materials with a clean cotton wiper, G00034.

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- (b) Rub the stains with a cotton wiper, G00034 that is moist with general purpose household detergent cleaner, B00541.
- (c) Remove the general purpose household detergent cleaner, B00541 with a cotton wiper, G00034 that is moist with water.
- (d) Rub all of the surface very lightly with a cotton wiper, G00034 that is moist with water to remove the sharp particles.
- (e) Apply a solution of Orvus WA paste cleaner, B00161 to the mirror.
- (f) Rub the surface with a clean cotton wiper, G00034 that is moist with water.
- (g) Apply the solution of Orvus WA paste cleaner, B00161 one more time.
- (h) Polish the plastic with a clean cotton wiper, G00034 that is moist with clean water.

L. Clean the Fabrics

SUBTASK 25-00-00-160-013

- (1) Clean the carpets, the seat upholstery, and equivalent equipment as follows:

- (a) To clean a small area on the surface, do these steps:

NOTE: Remove stains as soon as possible. It is not possible to remove some materials from the fabric if you do not remove them immediately.

- 1) To remove tea, coffee, fruit juices, wines, fruit, catsup, soft and mixed drinks, chocolate, syrups, perfumes, vomit, and urine, do these steps:

CAUTION: DO NOT USE TOO MUCH PRESSURE WHEN YOU RUB THE FABRIC WITH THE BONE SCRAPER. IF YOU USE TOO MUCH HAND PRESSURE, THE BONE SCRAPER CAN CAUSE DAMAGE TO THE FABRICS.

- a) Carefully rub the area with a hard resin phenolic scraper, STD-1064 to loosen the unwanted material from the fabric.
- b) Apply a mixed detergent to the dirty area.
- c) Rub the area with a hard resin phenolic scraper, STD-1064.
- d) Use a vacuum cleaner to remove the detergent and the unwanted materials.

NOTE: Use a soft cloth to remove the remaining moisture if it is necessary.

- 2) If there is an odor, do these steps:
- a) Mix one teaspoon of bicarbonate of soda in six ounces of water.
 - b) Apply the mixture to the area.
 - c) Rub the area with a hard resin phenolic scraper, STD-1064.
 - d) Remove the moisture with a cotton wiper, G00034.
- 3) To remove fresh paints, greases, lipsticks, permanent inks, oils, jet fuel, hydraulic fluid, powdered graphite, and powdered aluminum, do these steps:
- a) Remove the loose unwanted material as soon as possible with a cotton wiper, G00034.
 - b) Apply a mixed detergent to the area.
 - c) Let it soak for 30 seconds.
 - d) Apply an additional quantity of the mixed detergent to the area.
 - e) Carefully rub the area with the blunt end of hard resin phenolic scraper, STD-1064 to lift the unwanted material into the detergent.

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- f) Use a vacuum vacuum cleaner tool set, COM-2477 to remove the detergent and the unwanted material.
 - g) Use a cotton wiper, G00034 to remove all the remaining moisture if it is necessary.
 - h) If the area is not fully clean, do the above steps again until the area is fully clean.
 - i) Use a soft fabric soft bristle brush, STD-123 to straighten and lift the fabric pile.
- 4) To remove adhesives, sealants, paints, asphalt, and gum, do these steps:
- a) Use a vacuum vacuum cleaner tool set, COM-2477 to remove all the loose unwanted material from the fabric.

CAUTION: PUT A COVER ON THE PLASTIC AND PAINTED SURFACES ADJACENT TO THE DIRTY AREA. CHLORINATED SOLVENTS WILL CAUSE DAMAGE TO THE PLASTIC AND PAINTED PARTS. USE ONLY THE MINIMUM QUANTITY OF CHLORINATED SOLVENTS NECESSARY TO REMOVE THE UNWANTED MATERIAL. CHLORINATED SOLVENTS WILL REMOVE THE UNWANTED MATERIAL. CHLORINATED SOLVENTS WILL MOVE THE UNWANTED MATERIALS AND MAKE A NEW STAIN.

- b) Use a spray hand spray bottle, STD-4048 with a nozzle to apply a chlorinated solvent to the dirty area.
- c) Let the solution soak for up to 30 seconds.
- d) Carefully rub the fabric with a hard resin phenolic scraper, STD-1064 to remove unwanted materials.
- e) Remove the unwanted materials with a cotton wiper, G00034.
- f) Do the above steps again until the area is fully clean.
- g) Immediately after the area looks fully clean, clean the area with a mixed detergent to remove the solvent.

NOTE: Refer to the instructions given before for the use of detergents on small areas.

- (b) To do regular cleaning, do these steps:
- 1) Use a vacuum vacuum cleaner tool set, COM-2477 to remove loose materials from the fabric.
 - 2) Use two ounces of Orvus WA paste cleaner, B00161 in one gallon of water.

NOTE: You can also use the Calla 301A cleaner, B00015. Refer to the Prepare to Clean step for the instructions to mix the detergents.

CAUTION: IF YOU REMOVE THE FABRIC TO CLEAN IT, DRY CLEAN THE FABRIC TO PREVENT DAMAGE TO THE FABRIC. IF YOU DO NOT REMOVE THE FABRIC, APPLY ONLY THE FOAM FROM THE MIXTURE. THE LIQUID WILL SOAK INTO THE FABRIC AND CAUSE DAMAGE.

- 3) Carefully rub the foam from the mixture into the fabric with a sponge, G00116 or a medium-fiber bristle soft bristle brush, STD-123. Use a circular motion and make it to overlap with each motion.

NOTE: Clean only a small area at a time until you are done.

- 4) Use a brush, G02414 to lift the fabric pile.

NOTE: Carefully rub the fabric in one direction only or the fabric will not look satisfactory.

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- 5) When the fabric is fully dry use a vacuum cleaner tool set, COM-2477 to remove the remaining unwanted materials.
- (c) To clean seat covers and drapes, do these steps:

NOTE: Fabrics are treated with fire retardant. If you do the instructions that follow, the fire retardant will stay satisfactory. If there are instructions for the fabric from the manufacturer or supplier, obey their instructions.

- 1) Attach the tape, G02360 together to prevent contamination or damage to the hook and pile.
- 2) To remove tea, coffee, liqueurs, fruit juice, chocolate, syrup, perfume, vomit, urine, do these steps:
 - a) Make the unwanted material soft with a mixed detergent and steam.
 - b) Remove the moisture and the unwanted material with a cotton wiper, G00034.
- 3) Turn the seat covers inside out (turn the inner surface to the outer side).

CAUTION: USE COLD WATER. DO NOT USE MORE THAN 8% WATER IN THE MIXTURE. THE FABRIC CAN BECOME SMALLER IF YOU ADD TOO MUCH WATER OR THE WATER IS NOT COLD.

- 4) Mix the solvent, B00093 solvent and mix detergent and cold water as follows:
 - a) Obey the proportion information given by the manufacturer or the supplier of the detergent and the solvent. Add cold water, up to 8% to the mixture.
 - b) Use a cleaning drum temperature that is not hotter than 72 degrees F (55 degrees C).
- 5) Dry the fabric at a maximum temperature (air into the drum) of 130 degrees F (55 degrees C).
- 6) Remove the remaining stains with a detergent and steam.
- 7) Remove the tape, G02360 if it is necessary.

M. Clean the Leather or Naugahyde

SUBTASK 25-00-00-160-014

- (1) To clean a small area on the surface, do these steps:
 - (a) Remove water based stains with a mixed detergent.

NOTE: Refer to the paragraph below for regular cleaning instructions.

WARNING: DO NOT GET SOLVENTS IN YOUR MOUTH, OR YOUR EYES, OR YOUR SKIN. DO NOT BREATHE THE FUMES FROM SOLVENTS. SOLVENTS ARE HAZARDOUS MATERIALS. REFER TO PRODUCT MATERIAL SAFETY DATA SHEETS (MSDS) AND LOCAL REQUIREMENTS FOR PROPER HANDLING PROCEDURES.

CAUTION: DO NOT USE MORE THAN IS NECESSARY. MAKE SURE YOU PREVENT THE CONTAMINATION OF THE ADJACENT CLEAN AREAS BY THE FREON. IF YOU USE TOO MUCH FREON, DAMAGE TO PARTS WILL OCCUR.

- (b) Rub oil-based stains with a cotton wiper, G00034 wiper that is moist with solvent, B00081.
- (c) Then use a mixed detergent to clean the area.

SUBTASK 25-00-00-160-015

- (2) To clean by the usual procedure do these steps:

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- (a) Mix two ounces of Orvus WA paste cleaner, B00161 in one gallon of water.

NOTE: You can also use the Calla 301A cleaner, B00015.

- (b) Apply only the foam to the leather or naugahyde with a clean cotton wiper, G00034. Rub carefully in a circular movement.
- (c) Remove the detergent with a clean cotton wiper, G00034 that is moist with water.
- (d) Rub the surface with a dry soft cotton wiper, G00034.

N. Clean the Painted, Plastic or Rubber Floor Coverings

SUBTASK 25-00-00-160-016

- (1) Use a vacuum vacuum cleaner tool set, COM-2477 to remove loose and unwanted materials.

SUBTASK 25-00-00-160-017

- (2) Apply mixed detergent to the floor covering.

SUBTASK 25-00-00-160-018

- (3) Rub the surface with a medium nylon bristle brush, STD-3911 that has medium-fiber bristles, if it is necessary.

SUBTASK 25-00-00-160-019

- (4) Flush the surface with clean water.

SUBTASK 25-00-00-160-020

- (5) Remove the loose or unwanted materials with a clean cotton wiper, G00034.

SUBTASK 25-00-00-160-021

- (6) Do the steps again until the surface is fully clean.

O. Clean the Silicone Seals

SUBTASK 25-00-00-110-005

- (1) Apply mixed detergent with a spray hand spray bottle, STD-4048 and sponge, G00116.

SUBTASK 25-00-00-160-022

- (2) Let it soak on the seal for one-half to two minutes.

SUBTASK 25-00-00-160-023

- (3) Rub the surface of the seal with a cotton wiper, G00034 that is moist with water.

SUBTASK 25-00-00-160-024

- (4) Remove the detergent from the seal with a clean cotton wiper, G00034 that is soaked with water.

SUBTASK 25-00-00-160-025

- (5) Dry the seal with a clean dry cotton wiper, G00034.

P. Clean the Bare Metal Surfaces

SUBTASK 25-00-00-160-026

CAUTION: USE ONLY CLEAN WATER OR CHLORINATED WATER TO CLEAN THE FRONT COVERS OF OVENS. DETERGENTS CAUSE DETERIORATION OF THE SURFACE FINISH. DO NOT USE POLISHES ON DECORATIVE ALUMINUM. THE POLISHES CAN CAUSE DAMAGE TO THE DECORATIVE SURFACES.

- (1) To clean a small area of an aluminum surface, do these steps:

- (a) Apply mixed detergent to the surface with a sponge, G00116 or a spray hand spray bottle, STD-4048
- (b) Let it soak on the surface for one-half to two minutes.
- (c) Rub the surface with a clean cotton wiper, G00034 that is soaked with water.

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(d) Remove the detergent with a sponge, G00116 that is moist with water.

WARNING: DO NOT GET SOLVENTS IN YOUR MOUTH, OR YOUR EYES, OR YOUR SKIN. DO NOT BREATHE THE FUMES FROM SOLVENTS. SOLVENTS ARE HAZARDOUS MATERIALS. REFER TO PRODUCT MATERIAL SAFETY DATA SHEETS (MSDS) AND LOCAL REQUIREMENTS FOR PROPER HANDLING PROCEDURES.

CAUTION: DO NOT USE MORE THAN IS NECESSARY. MAKE SURE YOU PREVENT THE CONTAMINATION OF THE ADJACENT CLEAN AREAS BY THE FREON. IF YOU USE TOO MUCH FREON, DAMAGE TO PARTS WILL OCCUR.

(e) Dry the surface with a clean cotton wiper, G00034.

NOTE: Rub the surface in a straight line movement. If the area is still dirty, do the steps that follow:

- 1) Rub the area with a cotton wiper, G00034 that is moist with solvent, B00081.
- 2) After the surface looks fully clean, remove the solvent, B00081 with a mixed detergent.

SUBTASK 25-00-00-160-027

(2) To clean aluminum with a usual procedure do these steps:

- (a) Apply mixed detergent to the surface with a sponge, G00116 or a spray hand spray bottle, STD-4048.
- (b) Let it soak on the surface for one-half to two minutes.
- (c) Rub the surface with a cotton wiper, G00034 that is moist with water.
- (d) Remove the detergent with a clean cotton wiper, G00034 that is soaked with water.
- (e) Dry the surface with a clean dry cotton wiper, G00034.

SUBTASK 25-00-00-160-028

(3) To clean stainless steel, do these steps:

- (a) Do the procedure given for opaque plastic or painted surfaces to clean the stainless steel; then polish the stainless steel with the following steps:
 - 1) Use a cotton wiper, G00034 to apply polish to a small area.

NOTE: Use Met-All polish, B00700 for highly-polished surfaces and satin finishes.
 - 2) Rub the area until the polish becomes black.
 - 3) Rub the surface with a clean, dry cotton wiper, G00034 until the rubbed area looks bright and continuous.
 - 4) Remove the remaining polish with a mixed detergent.

Q. Clean the Air Grill Panels

SUBTASK 25-00-00-160-029

- (1) Use a vacuum vacuum cleaner tool set, COM-2477 to clean the air grill panels.

————— **END OF TASK** —————

TASK 25-00-00-370-801

3. Paint the Airplane Equipment and Furnishings

(Figure 701)

A. General

- (1) It is necessary to paint the equipment when the surface finish is damaged.

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- (2) Apply the paint with a paint sprayer, a hand brush, or an air brush.
(3) Apply a surface finish that is equivalent to the initial surface finish.
(4) There should be no visual difference between the initial surface finish and the new surface finish.
(5) The procedures that follow are divided into groups of decorative surfaces which you will be painting. These groups are Tedlar, polycarbonate (Lexan), ULTEM, and Declar.
(6) Fully mix the paint before you use it. It is better to use a mechanical mixer. Do not shake the water emulsion paint too much, because air bubbles will occur.
(7) Mix the paint to the correct consistency before you spray it. Do not mix thinners from different vendors.
(8) Keep the air clean. Dirt or lint can contaminate the paint before it is dry.
(9) The color of the paint must be the same as the old paint or you will see an outline. Use paint with high-grade commercial standards.

B. References

Table with 2 columns: Reference, Title. Row: 20-30-98-910-801, Cleaning of Specific Polymeric (Series 98) (P/B 201)

C. Consumable Materials

Table with 3 columns: Reference, Description, Specification. Lists various materials like Abrasive, Alcohol, Solvent, Cleaner, Primer, Coating, Compound, Cotton Wiper, Tape, and Abrasive.

D. Location Zones

Table with 2 columns: Zone, Area. Row: 200, Upper Half of Fuselage

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E. Procedure

SUBTASK 25-00-00-110-006

WARNING: OBEY THE INSTRUCTIONS FROM INDUSTRIAL HYGIENE, FIRE AND SAFETY ORGANIZATIONS FOR THE FACILITIES, EQUIPMENT, VENTILATION, AND PROCEDURES NECESSARY FOR SAFE OPERATIONS. THE MATERIALS YOU WILL USE ARE POISONOUS AND FLAMMABLE. IF THE CORRECT PROCEDURES ARE NOT USED, INJURY OR DAMAGE WILL OCCUR. DO NOT GET THE PAINT MATERIALS IN YOUR MOUTH OR EYES, OR ON YOUR SKIN. DO NOT BREATHE PAINT FUMES. PUT ON PROTECTIVE SPLASH GOGGLES AND GLOVES WHEN YOU USE THESE MATERIALS. KEEP THESE MATERIALS AWAY FROM SPARKS, FLAME, AND HEAT. PAINT MATERIALS ARE POISONOUS AND FLAMMABLE AND CAN CAUSE INJURY OR DAMAGE.

- (1) Use these consumable materials:
 - (a) alcohol, B00130
 - (b) solvent, B00148
 - (c) primer, C00039
 - (d) coating, C00040
 - (e) coating, C00923
 - (f) compound, D00147
 - (g) Scotch Flatback Masking Tape 250, G00270
 - (h) #50 to #400 grit abrasive paper, G02408

NOTE: The minimum grit number to be used is 180 grit.

SUBTASK 25-00-00-110-007

- (2) Use these detergents:
 - (a) Spraywhite E cleaner, B00157
 - (b) Clean Quick cleaner, B00158
 - (c) Glo Do-All Formula 1D cleaner, B00294
 - (d) Glo Do-All Formula 3B cleaner, B00159
 - (e) Orvus WA paste cleaner, B00161

SUBTASK 25-00-00-170-001

- (3) Use the following steps to paint the Tedlar surfaces:

WARNING: DO NOT GET SOLVENTS IN YOUR MOUTH, OR YOUR EYES, OR YOUR SKIN. DO NOT BREATHE THE FUMES FROM SOLVENTS. SOLVENTS ARE HAZARDOUS MATERIALS. SOLVENTS MAY BE FLAMMABLE OR HARMFUL TO THE ENVIRONMENT. REFER TO PRODUCT MATERIAL SAFETY DATA SHEETS (MSDS) AND LOCAL REQUIREMENTS FOR PROPER HANDLING PROCEDURES.

CAUTION: DO NOT LET SOLVENTS STAY ON PLASTICS FOR TOO LONG A TIME. IF YOU LET THE SOLVENTS STAY ON THE PLASTICS FOR TOO LONG A TIME, DAMAGE TO THE PLASTIC WILL OCCUR.

- (a) Rub the surface with a cotton wiper, G00034 that is moist with Series 98 solvent, B01018 (TASK 20-30-98-910-801).
- (b) Dry the surface with a clean dry cotton wiper, G00034 before the solvent becomes dry.

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- (c) Apply Scotch Flatback Masking Tape 250, G00270 to the adjacent surfaces.
- (d) Apply primer, C00039 to the area you will paint.

SUBTASK 25-00-00-170-002

- (4) Prepare to paint the polycarbonate (Lexan) surfaces using the following steps:
 - (a) Clean the surface with a cotton wiper, G00034 that is moist with a mixed detergent.
 - (b) Rub the surface lightly with a 180 grit abrasive cloth, B00102 paper to remove gloss.
 - (c) Clean the surface with a clean cotton wiper, G00034 that is moist with the mixed detergent.

SUBTASK 25-00-00-210-001

- (5) Examine the surface for porosity and voids. If you find surface porosity and voids, do these steps:
 - (a) Put putty on a clean cotton wiper, G00034 at package consistency.
 - (b) Rub the surface with a cotton wiper, G00034 to push the putty into surface defects.
 - (c) Let the putty dry for 3/4 to one hour.
 - (d) Remove the unwanted putty with abrasive cloth, B00102 paper.
 - (e) Clean the surface with a cotton wiper, G00034 that is moist with mixed detergent.

SUBTASK 25-00-00-370-001

CAUTION: YOU MUST USE BMS 10-83, TYPE I PRIMER BEFORE YOU PAINT POLYCARBONATE SURFACES. THE SOLVENTS IN THE PAINT CAN DAMAGE THE POLYCARBONATE IF YOU DO NOT USE THE CORRECT PRIMER.

- (6) Apply primer, C00039 to the surface of the part you want to paint.

SUBTASK 25-00-00-110-008

- (7) Use the following steps to prepare to paint the ULTEM and Declar surfaces:
 - (a) Clean the surface of the part with cotton wiper, G00034 that is moist with a mixed detergent and or alcohol, B00130
 - (b) Dry the surface with a clean dry cotton wiper, G00034.
NOTE: If you use alcohol, wipe the surface dry quickly. Do not allow the alcohol to dry first.
 - (c) Examine the surface for porosity or voids. if you find surface porosity or voids, refer to the steps given before to repair the surfaces of polycarbonate materials.
 - (d) Clean the surface of the part again with cotton wiper, G00034 that is moist with mixed detergent or alcohol, B00130.
 - (e) Dry the surface with a clean dry cotton wiper, G00034.
NOTE: If you use alcohol, wipe the surface dry quickly. Do not allow alcohol to dry first.

F. Prepare to Paint the Tedlar, Polycarbonate, ULTEM, and Declar Surfaces

SUBTASK 25-00-00-370-002

- (1) Mix the coating, C00923

NOTE: Use the manufacturer's instructions to mix paint.

SUBTASK 25-00-00-370-003

- (2) Apply several cross-layers of paint until the color agrees with the adjacent areas.

SUBTASK 25-00-00-370-004

- (3) Remove the Scotch Flatback Masking Tape 250, G00270 if it is applicable.

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SUBTASK 25-00-00-370-005

- (4) Let the first layer of paint cure for two hours at 70 to 80 degrees F (21 to 26 degrees C) before you touch it.

SUBTASK 25-00-00-370-006

- (5) Let the first layer cure for one hour before you apply a texture coat.

SUBTASK 25-00-00-370-007

- (6) If it is necessary, apply a texture layer of the same paint (do not make it thin).

SUBTASK 25-00-00-370-008

- (7) Let it dry for three hours before you touch it.

————— **END OF TASK** —————

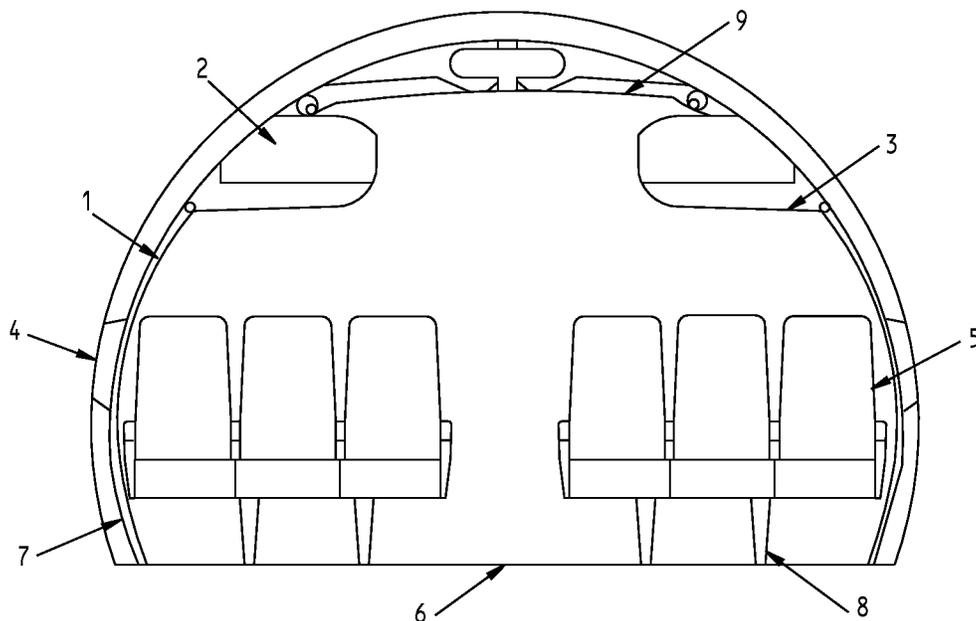
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1. SIDEWALL PANELS - DECORATIVE TEDLAR COVERED CRUSHED CORE
2. STOWAGE BINS - DECORATIVE TEDLAR COVERED HONEYCOMB
3. PASSENGER SERVICE UNITS (PSUs) - TEDLAR CLAD ALUMINUM
4. WINDOW REVEALS - POLYCARBONATE
DUST COVER - HARD COATED POLYCARBONATE
SHADE - TEDLAR COVERED POLYCARBONATE
5. SEAT UPHOLSTERY - 100% WOOL OR 90% WOOL AND 10% NYLON
6. CARPETS - 100% WOOL FACE PILE
UNDERLAY - NOMEX PAD BMS 8-242
7. RISER PANEL FACING - 100% WOOL FABRIC
8. SEAT TRACK COVERS - POLYURETHANE
SEAT TRACKS - ALUMINUM ALLOY
9. CEILING PANELS - DECORATIVE TEDLAR COVERED CRUSHED CORE

737-700 Advanced Technology Interior Material Identification
Figure 701/25-00-00-990-801

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EQUIPMENT/FURNISHINGS - REPAIRS

1. General

A. This procedure contains these tasks:

- (1) Crushed-Core and Sandwich Panel Repair,
- (2) Decorative Surface Repair,
- (3) Decorative tedlar removal/installation
- (4) Repair for Nomex Honeycomb Sandwich Panels with a Decorative Tedlar Cover,
- (5) Repair for Tedlar Covers of Aluminum Laminates,
- (6) Perforated Panel Repair,
- (7) Repair for Polycarbonate (Lexan), Ultem, and Declar Plastics,
- (8) Urethane Foam Repair,
- (9) Aluminum trim

TASK 25-00-00-300-801

2. Crushed-Core and Sandwich Panel Repair

A. General

- (1) This procedure gives instructions to repair crushed-core and sandwich panels that have these types of damage:
 - (a) Small scratches and dents
 - (b) Large dents in thin crushed-core panels
 - (c) Small holes and gouges
 - (d) Damage that is more than 0.5 square inch but has no core damage
 - (e) Damage that is more than 0.5 square inch with core damage

B. References

Reference	Title
20-10-27-910-801	Precautions for Heat Devices (P/B 201)

C. Tools/Equipment

Reference	Description
STD-442	Gun - Heat, 180° F (82° C) Maximum Output Temperature

D. Consumable Materials

Reference	Description	Specification
A01021	Compound - Honeycomb Edge Filling & Potting, Epoxy Based, 2 Part, RT Cure (12-25 Min Gel)	BMS5-28, Type 18
B00102	Abrasive - Aluminum Oxide Coated Cloth	ANSI B74.18
B01027	Solvent - Butyl Carbitol (Dow Chemical - E-Series Glycol Ethers)	
D00147	Compound - Interior Surface Filling, Polyester Resin	BMS5-136
G00034	Cotton Wiper - Process Cleaning Absorbent Wiper (Cheesecloth, Gauze)	BMS15-5
G00316	Fabric - Woven Glass Reinforcements For Laminating Plastics	BMS9-3

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Reference	Description	Specification
G02480	Tape - Mylar, Clear, 3.5 mils, Maximum 16.5" Width - Permacel P-255	
G50400	Resin - Fiberglass Layup, Short Worklife, Non-Brominated	BMS 8-201, Type IV (Supersedes BMS 8-201, Type II)

E. Location Zones

Zone	Area
200	Upper Half of Fuselage

F. Small Scratch and Dent Repair

SUBTASK 25-00-00-350-001

- (1) Make sure the area you want to repair is smaller than 100 square inches. If the area is larger than 100 square inches, you must apply a foil-backed decorative laminate over the repair. Refer to the Decorative Surface Repair, TASK 25-00-00-300-802.
- (2) Use this process to repair panels that have damage that does not go into the fiberglass or carbon skins.
- (3) For panels that are 0.25-inch (6.35 mm) thick or more, use this procedure to repair scratches and small surface dents that are not more than 0.10-inch (2.54 mm) deep.
- (4) For panels that are less than 0.25-inch (6.35 mm) thick, use this repair procedure to repair scratches and small surface dents that are not more than 0.005-inch (0.127 mm) deep.
- (5) Fill the damaged area with compound, D00147 to make a crown above the adjacent areas.

SUBTASK 25-00-00-350-002

- (6) After the filler is hard, rub it with abrasive cloth, B00102 paper (400 to 600 grit) to the same level as the surface of the panel.

SUBTASK 25-00-00-350-003

- (7) If this is a decorative panel, do this task: Decorative Surface Repair, TASK 25-00-00-300-802.

G. Large Dent Repair for Crushed-Core Panels

SUBTASK 25-00-00-350-004

- (1) This procedure is for panels less than 0.25 inch (6.35 mm) thick with dents that are more than 0.005-inch (0.127 mm) deep.

CAUTION: BE CAREFUL WHEN YOU APPLY HEAT NEAR MATERIALS THAT CAN BURN. THE TEMPERATURE OF THE TEDLAR MUST NEVER BE MORE THAN 200° F OR THE TEMPERATURE AT WHICH THE TEDLAR DISTORTS, WHICHEVER IS LOWER. TOO MUCH HEAT CAN CAUSE DAMAGE TO THE TEDLAR.

- (2) On the side that does not have dents, increase the temperature of the panel.
 - (a) Use a standard heat 180° F (82° C) maximum output temperature heat gun, STD-442 until the panel is approximately 200 degrees F (93.33 degrees C).

NOTE: The area of the panel will get more flexible, and very hot. Refer to (TASK 20-10-27-910-801) for cautions to obey when you use heat guns.

SUBTASK 25-00-00-350-005

- (3) Push the backside of the panel forward with the round surface of a tool to remove as much of the dent as you can.

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SUBTASK 25-00-00-350-006

- (4) After the panel is cool do the process to remove small scratches and dents, if it is necessary.

H. Small Hole and Gouge Repair

SUBTASK 25-00-00-350-007

- (1) Use this procedure for damage that is less than 0.5 square inch (3.23 square centimeter) and goes through the face sheets, but not into the fiberglass.
- (2) Remove loose and broken pieces, contamination, and other unwanted material from the hole.

SUBTASK 25-00-00-160-030

WARNING: DO NOT GET SOLVENTS IN YOUR MOUTH OR EYES, OR ON YOUR SKIN. DO NOT BREATHE THE FUMES FROM SOLVENTS. PUT ON A RESPIRATOR, PROTECTIVE SPLASH GOGGLES, AND GLOVES WHEN YOU USE SOLVENTS. KEEP THE SOLVENTS AWAY FROM SPARKS, FLAME, AND HEAT. SOLVENTS ARE POISONOUS AND FLAMMABLE. SOLVENTS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (3) Clean the area with a cotton wiper, G00034 that is soaked with Butyl Carbitol solvent, B01027.

SUBTASK 25-00-00-160-031

- (4) Dry the area with a clean cotton wiper, G00034.

SUBTASK 25-00-00-110-009

- (5) Use the manufacturer's instructions to mix the compound, D00147.

SUBTASK 25-00-00-340-001

- (6) Fill the hole with the adhesive mixture.

SUBTASK 25-00-00-280-001

- (7) Let the compound cure for 7 days at 75 to 79 degrees F (23.8-26.1 degrees C), or 5 hours at 120 to 130 degrees F (48.9-54.4 degrees C).

SUBTASK 25-00-00-120-001

- (8) Rub the area with abrasive cloth, B00102 paper (400 to 600 grit) until it is the same level as the adjacent surface.

SUBTASK 25-00-00-300-001

- (9) If it is a decorative panel, do this task: Decorative Surface Repair, TASK 25-00-00-300-802.

I. Repair for Panels with No Core Damage

SUBTASK 25-00-00-020-001

- (1) Use this procedure to repair panels that have more than 0.5 inch (12.7 mm) of damage but no core damage.
- (2) Remove the damaged part of the panel skin.

SUBTASK 25-00-00-120-002

- (3) Rub the area and two inches more on all the sides of the area with abrasive cloth, B00102 paper (400 to 600 grit) until the area is not glossy.

SUBTASK 25-00-00-160-032

WARNING: DO NOT GET SOLVENTS IN YOUR MOUTH OR EYES, OR ON YOUR SKIN. DO NOT BREATHE THE FUMES FROM SOLVENTS. PUT ON A RESPIRATOR, PROTECTIVE SPLASH GOGGLES, AND GLOVES WHEN YOU USE SOLVENTS. KEEP THE SOLVENTS AWAY FROM SPARKS, FLAME, AND HEAT. SOLVENTS ARE POISONOUS AND FLAMMABLE. SOLVENTS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

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(WARNING PRECEDES)

(4) Clean the area with a cotton wiper, G00034 that is soaked with Butyl Carbitol solvent, B01027.

SUBTASK 25-00-00-160-033

(5) Dry the area with a clean cotton wiper, G00034.

SUBTASK 25-00-00-340-002

(6) Follow the manufacturer's instructions to mix the resin, G50400.

SUBTASK 25-00-00-340-003

(7) Apply glass fabric, G00316 that is soaked with the mixed adhesive and make an overlap of approximately 1/2-inch (13 mm).

NOTE: Use 50% more glass fabric than the initial skin.

SUBTASK 25-00-00-340-004

(8) Let the glass fabric, G00316 and adhesive cure for 24 to 36 hours at 75 degrees to 90 degrees F (23.9-32.2 degrees C), or for 3 to 4 hours at 140 to 160 degrees F (60-71.1 degrees C).

SUBTASK 25-00-00-350-008

(9) If this is a decorative panel, do this task: Decorative Surface Repair, TASK 25-00-00-300-802.

J. Repair for Panels with Core Damage

SUBTASK 25-00-00-020-002

(1) Use this procedure to repair panels that have more than 0.5 inch of damage and damaged core

(2) Remove the damaged skin until you can see at least 0.5-inch (12.7 mm) of core that does not have damage.

SUBTASK 25-00-00-020-003

(3) Remove the damaged part of the core.

(a) Make sure 0.5 inch (12.7 mm) of core without damage is shown on all sides of the damaged area.

SUBTASK 25-00-00-160-034

WARNING: DO NOT GET SOLVENTS IN YOUR MOUTH OR EYES, OR ON YOUR SKIN. DO NOT BREATHE THE FUMES FROM SOLVENTS. PUT ON A RESPIRATOR, PROTECTIVE SPLASH GOGGLES, AND GLOVES WHEN YOU USE SOLVENTS. KEEP THE SOLVENTS AWAY FROM SPARKS, FLAME, AND HEAT. SOLVENTS ARE POISONOUS AND FLAMMABLE. SOLVENTS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

(4) Clean the area with a cotton wiper, G00034 soaked with Butyl Carbitol solvent, B01027.

SUBTASK 25-00-00-160-035

(5) Dry the area with a clean cotton wiper, G00034.

SUBTASK 25-00-00-350-009

(6) Use the manufacturer's instructions to mix the compound, A01021.

SUBTASK 25-00-00-350-010

(7) Fill the damaged area with the adhesive mixture.

SUBTASK 25-00-00-350-011

(8) Let the repair cure for 3 hours at 75° F (23.9 C).

SUBTASK 25-00-00-350-012

(9) Repair the skin with the steps given for panels that do not have core damage.

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K. Potted Insert Repair

SUBTASK 25-00-00-020-004

- (1) Remove the damaged skin and approximately 0.5-inch (12.7 mm) more on all sides of the damage.

SUBTASK 25-00-00-160-036

WARNING: DO NOT GET SOLVENTS IN YOUR MOUTH OR EYES, OR ON YOUR SKIN. DO NOT BREATHE THE FUMES FROM SOLVENTS. PUT ON A RESPIRATOR, PROTECTIVE SPLASH GOGGLES, AND GLOVES WHEN YOU USE SOLVENTS. KEEP THE SOLVENTS AWAY FROM SPARKS, FLAME, AND HEAT. SOLVENTS ARE POISONOUS AND FLAMMABLE. SOLVENTS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (2) Clean the area with a cotton wiper, G00034 that is soaked with Butyl Carbitol solvent, B01027.

SUBTASK 25-00-00-160-037

- (3) Dry the area with a clean cotton wiper, G00034.

SUBTASK 25-00-00-280-002

- (4) Cut around the insert from the backside of the panel with a hole saw or an equivalent tool.

NOTE: Be careful not to cut the front side of the panel.

SUBTASK 25-00-00-280-003

CAUTION: BE CAREFUL WHEN YOU APPLY HEAT NEAR MATERIALS THAT CAN BURN. THE TEMPERATURE OF THE TEDLAR MUST NOT BE MORE THAN 200° F (93.3° C) OR THE TEMPERATURE AT WHICH THE TEDLAR DISTORTS, WHICHEVER IS LOWER. TOO MUCH HEAT CAN CAUSE DAMAGE TO THE TEDLAR.

- (5) Carefully increase the temperature of the insert until you can remove the insert from the panel.

SUBTASK 25-00-00-340-005

- (6) Use the manufacturer's instructions to mix the compound, A01021.

SUBTASK 25-00-00-340-006

- (7) Fill the hole with the adhesive mixture.

SUBTASK 25-00-00-340-007

- (8) Push the new insert slowly into the mixture.

(a) Let the mixture flow around the insert and completely fill the hole.

SUBTASK 25-00-00-340-008

- (9) Let the adhesive mixture cure at 75° F (23.9 C) for 3 hours.

SUBTASK 25-00-00-300-002

- (10) Repair the skin with the procedure given for panels that do not have core damage.

L. Bassinet Fitting Repair

SUBTASK 25-00-00-340-009

- (1) Fully remove the old epoxy material.

SUBTASK 25-00-00-340-010

- (2) Remove some material from under the top skin.

SUBTASK 25-00-00-340-011

- (3) Use the manufacturer's instructions to mix the compound, A01021.

SUBTASK 25-00-00-340-012

- (4) Fill the hole with the adhesive mixture.

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SUBTASK 25-00-00-340-013

(5) Apply Permacel P-255 tape, G02480 to make a cover on the end of the hole in the bassinet fitting.

SUBTASK 25-00-00-340-014

(6) Slowly push the fitting in the hole.

SUBTASK 25-00-00-340-015

(7) Remove the unwanted adhesive that comes out when you push the insert in the hole.

SUBTASK 25-00-00-340-016

(8) Let the adhesive cure for 3 hours minimum.

————— END OF TASK —————

TASK 25-00-00-300-802

3. Decorative Surface Repair

A. General

(1) The area for repair of decorative surfaces must be smaller than 100 square inches. If the area is larger than 100 square inches (645.16 square centimeters), you must replace the part.

B. References

Reference	Title
20-10-27-910-801	Precautions for Heat Devices (P/B 201)

C. Tools/Equipment

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt:", which stands for Optional.

Reference	Description
SPL-1474	Generator - Vacuum (Part #: ST9999-VBA-201, Supplier: 81205, A/P Effectivity: 737-ALL)
STD-442	Gun - Heat, 180° F (82° C) Maximum Output Temperature
STD-1080	Brush - Paint
STD-1133	Gun - Spray, Paint, with Interchangable Nozzles
STD-1205	Wheel - Buffer, Cotton Cloth, 80/92 Thread Count, Spiral Sewn, 6 Inch Diameter, 7/8 Inch Thick, 1/4 Inch Arbor Hole

D. Consumable Materials

Reference	Description	Specification
A00555	Adhesive - For Bonding Decorative Laminate, 2 Part, Sprayable	BMS5-127, Type II
B00026	Compound - Buffing - Learok 119	
B00027	Compound - Buffing - Learok 884E (Formerly Learock 888)	
B00102	Abrasive - Aluminum Oxide Coated Cloth	ANSI B74.18
B00148	Solvent - Methyl Ethyl Ketone (MEK)	ASTM D740
B01027	Solvent - Butyl Carbitol (Dow Chemical - E-Series Glycol Ethers)	
C00063	Ink - Screen Printing, Pigmented	BMS10-73, Type I
C00368	Ink - Screen Printing, Clear	BMS10-73, Type II

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Reference	Description	Specification
D00147	Compound - Interior Surface Filling, Polyester Resin	BMS5-136
G00034	Cotton Wiper - Process Cleaning Absorbent Wiper (Cheesecloth, Gauze)	BMS15-5
G02022	Rubber - Silicone Casting - RTV B	
G02310	Ink - Water-Based, Screen Printing	BMS10-107
G02446	Laminate - Tedlar	BAC5596 Type 13

E. Location Zones

Zone	Area
200	Upper Half of Fuselage

F. Small Scratch and Unwanted Mark Repair

SUBTASK 25-00-00-120-003

- (1) The repair depth cannot be larger than 0.10 in. (2.5 mm) in a Tedlar laminate covered panel that is 0.25 in. (6.35 mm) thick or more, or 0.005 in. (0.127 mm) deep in a panel that is less than 0.25 in. (6.35 mm) thick.
- (2) Make sure the area you want to repair is smaller than 100 in² (645 cm²). If the area is larger than 100 in² (645 cm²), you must replace the full decorative tedlar part Decorative Tedlar Removal/Installation, TASK 25-00-00-900-801.

CAUTION: DO NOT RUB THROUGH THE TEDLAR WHEN YOU REPAIR THE SMALL SCRATCHES OR UNWANTED MARKS. YOU WILL CAUSE MORE EXPENSIVE REPAIRS TO BE NECESSARY IF YOU RUB THROUGH THE TEDLAR.

- (3) Rub the surface lightly with abrasive cloth, B00102 paper (400 to 600 grit) until the area is not rough.

SUBTASK 25-00-00-340-017

- (4) Polish the damaged area with the buffing cotton cloth buffer wheel, STD-1205 until the area is as glossy as the adjacent areas.
 - (a) Use buffing Learok 119 compound, B00026 or buffing Learok 884E compound, B00027.

G. Tedlar Pattern Repair

SUBTASK 25-00-00-370-009

- (1) Apply ink, C00063 or ink, C00368 of the correct color.
 - (a) Let the ink dry for 15 minutes.

SUBTASK 25-00-00-370-010

- (2) To reduce the gloss of the silk screen ink, lightly apply a clear acrylic with a spray paint spray gun with interchangeable nozzles, STD-1133.

H. Small Hole and Gouge Repair

SUBTASK 25-00-00-340-018

- (1) Apply compound, D00147 to the area with damage.

NOTE: Apply more filler than is necessary to make sure the gouge is fully filled. You will remove the unwanted filler in the subsequent steps.

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SUBTASK 25-00-00-340-019

CAUTION: DO NOT RUB THROUGH THE TEDLAR THAT IS NOT DAMAGED. IF YOU REMOVE TEDLAR THAT DOES NOT HAVE DAMAGE, MORE REPAIR WORK IS NECESSARY.

- (2) When the filler is hard, rub the area with abrasive cloth, B00102 paper (240 to 320 grit) until the filler is level with the adjacent surfaces.

SUBTASK 25-00-00-340-020

WARNING: DO NOT GET SOLVENTS IN YOUR MOUTH OR EYES, OR ON YOUR SKIN. DO NOT BREATHE THE FUMES FROM SOLVENTS. PUT ON A RESPIRATOR, PROTECTIVE SPLASH GOGGLES, AND GLOVES WHEN YOU USE SOLVENTS. KEEP THE SOLVENTS AWAY FROM SPARKS, FLAME, AND HEAT. SOLVENTS ARE POISONOUS AND FLAMMABLE. SOLVENTS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (3) Use these steps to make a silicone embossing pad of the surface that is adjacent to the area you will repair.
 - (a) Clean the surface with a clean cotton wiper, G00034 soaked with Butyl Carbitol solvent, B01027.
 - (b) Dry the surface with a clean cotton wiper, G00034.
 - (c) Make a frame approximately 3/8-inch (9.53 mm) wide by 1/2-inch (12.7 mm) high, around the clean surface.
 - 1) Use wood, clay, or high temperature vacuum sealant tape for the frame.
 - (d) Apply a thin level of prepared silicone rubber on the textured surface in the frame with a brush.
 - 1) Apply a thin layer of the prepared silicone RTV B rubber, G02022 on the textured surface in the frame with a paint brush, STD-1080.

NOTE: Almost all brands, types, or colors of castable silicone rubber are satisfactory, but not the dark red types which contain finely divided iron oxide. Prepare the silicone rubber with the manufacturer's instructions.

Continue to use the brush until you cannot see air bubbles.

- (e) Pour the remaining silicone RTV B rubber, G02022 on the brushed surface until it is 1/4-inch (6.35 mm) thick.

NOTE: One pound of prepared silicone rubber will make a 10-inch (25.4 cm) by 10-inch (25.4 cm) by 1/4-inch (6.35 mm) replica.

- 1) Let the silicone cure at room temperature for 48 hours.
- (f) When the silicone is dry, remove the embossed pad from the surface.

SUBTASK 25-00-00-370-011

- (4) Apply ink, G02310 or ink, C00368 of the correct color to the repair surface.
 - (a) Let the ink dry for 15 minutes.

SUBTASK 25-00-00-340-021

- (5) Apply the silicone embossing pad to the repaired surface.

SUBTASK 25-00-00-340-022

- (6) Use a vacuum generator, SPL-1474 to apply a vacuum of approximately 10 inches (25.4 cm) of mercury at 160° F (71.1°C).

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SUBTASK 25-00-00-340-023

- (7) If the above procedure is not satisfactory, replace the decorative laminate. Decorative Tedlar Removal/Installation, TASK 25-00-00-900-801.

I. Application of Flexible Decorative Tedlar (Non-acoustical)

NOTE: If it is necessary, repair the panel before you apply the tedlar.

SUBTASK 25-00-00-020-005

- (1) Remove the trim strips from the panel.

SUBTASK 25-00-00-120-004

- (2) Rub the area with abrasive cloth, B00102 paper where you will apply the adhesive.

SUBTASK 25-00-00-160-038

WARNING: DO NOT GET SOLVENTS IN YOUR MOUTH OR EYES, OR ON YOUR SKIN. DO NOT BREATHE THE FUMES FROM SOLVENTS. PUT ON A RESPIRATOR, PROTECTIVE SPLASH GOGGLES, AND GLOVES WHEN YOU USE SOLVENTS. KEEP THE SOLVENTS AWAY FROM SPARKS, FLAME, AND HEAT. SOLVENTS ARE POISONOUS AND FLAMMABLE. SOLVENTS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (3) Clean the area with a cotton wiper, G00034 that is moist with Butyl Carbitol solvent, B01027.

SUBTASK 25-00-00-160-039

- (4) Dry the area with a clean cotton wiper, G00034.

SUBTASK 25-00-00-340-024

- (5) Mix sixteen parts adhesive (by volume) with one part curing agent of adhesive, A00555.

- (a) Let the mixture set for two minutes.

SUBTASK 25-00-00-340-025

WARNING: DO NOT GET SOLVENTS IN YOUR MOUTH, OR YOUR EYES, OR YOUR SKIN. DO NOT BREATHE THE FUMES FROM SOLVENTS. SOLVENTS ARE HAZARDOUS MATERIALS. REFER TO PRODUCT MATERIAL SAFETY DATA SHEETS (MSDS) AND LOCAL REQUIREMENTS FOR PROPER HANDLING PROCEDURES.

- (6) If you want to spray the adhesive mixture, mix (by volume) one part adhesive mixture with one part solvent, B00148.

SUBTASK 25-00-00-340-026

- (7) Carefully spray the mixture with a paint spray gun with interchangeable nozzles, STD-1133 or apply the mixture with a brush.

- (a) Let the surface dry at room temperature for a minimum of two hours.

NOTE: The surface must be fully dry before you install the tedlar laminate. If you install the tedlar to a wet surface, you will not get a satisfactory bond.

SUBTASK 25-00-00-210-002

CAUTION: MAKE SURE THE DECORATIVE TEDLAR LAMINATE HAS THE CORRECT COLOR AND PATTERN. THE REPAIR WILL NOT BE SATISFACTORY IF THE NEW TEDLAR DOES NOT MATCH THE ORIGINAL SURFACE.

- (8) Put the decorative Tedlar laminate, G02446 in position.

NOTE: Use the masking tape to hold the decorative Tedlar laminate in the correct position.

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SUBTASK 25-00-00-880-001

CAUTION: BE CAREFUL WHEN YOU APPLY HEAT NEAR MATERIALS THAT CAN BURN. THE TEMPERATURE OF THE TEDLAR MUST NOT BE MORE THAN 200° F (93.3°C) OR NOT MORE THAN THE TEMPERATURE AT WHICH THE TEDLAR DISTORTS, WHICHEVER IS LOWER. TOO MUCH HEAT CAN CAUSE DAMAGE TO THE TEDLAR.

- (9) Use a heat 180° F (82° C) maximum output temperature heat gun, STD-442 to increase the temperature of the Tedlar laminate.

NOTE: Make sure the temperature is constant across the surface of the laminate. Refer to (TASK 20-10-27-910-801) for cautions to obey when you use the heat guns.

SUBTASK 25-00-00-340-027

- (10) Use a vacuum vacuum generator, SPL-1474 to make sure the laminate touches all of the panel:
 - (a) Use the maximum vacuum possible that will not cause damage to the panel.
 - (b) Cure the laminate for 24 hours at room temperature, or for two hours at 120° F (48.9°C), or for 30 minutes at 180° F (82.2°C).
 - (c) Let the part cool to 90° F before you remove the vacuum pressure.

J. Application of Decorative Tedlar Laminate with Pressure Sensitive Adhesive

NOTE: Use this procedure to apply laminate to non-acoustical (not perforated) panels with flat or simple contours. If it is necessary, repair the panel before you apply the tedlar.

SUBTASK 25-00-00-020-006

- (1) Remove the trim strips from the panel.

SUBTASK 25-00-00-340-028

- (2) Rub the area with abrasive cloth, B00102 paper where you will apply the adhesive to remove the surface contamination.

SUBTASK 25-00-00-110-010

WARNING: DO NOT GET SOLVENTS IN YOUR MOUTH OR EYES, OR ON YOUR SKIN. DO NOT BREATHE THE FUMES FROM SOLVENTS. PUT ON A RESPIRATOR, PROTECTIVE SPLASH GOGGLES, AND GLOVES WHEN YOU USE SOLVENTS. KEEP THE SOLVENTS AWAY FROM SPARKS, FLAME, AND HEAT. SOLVENTS ARE POISONOUS AND FLAMMABLE. SOLVENTS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (3) Clean the area with a cotton wiper, G00034 that is soaked with Butyl Carbitol solvent, B01027.

SUBTASK 25-00-00-110-011

- (4) Dry the area with a clean cotton wiper, G00034.

SUBTASK 25-00-00-020-007

- (5) Remove the release paper from the laminate you want to apply.

SUBTASK 25-00-00-420-001

CAUTION: MAKE SURE THE PATTERN IS IN THE CORRECT POSITION. IF THE PATTERNS ARE NOT ALIGNED, THE REPAIR WILL NOT LOOK SATISFACTORY.

- (6) Apply the laminate.

NOTE: Bubbles will result if you allow air to get below the laminate.

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SUBTASK 25-00-00-880-002

CAUTION: BE CAREFUL WHEN YOU APPLY HEAT NEAR MATERIALS THAT CAN BURN. THE TEMPERATURE OF THE TEDLAR MUST NOT BE MORE THAN 200° F (93.3°C) OR MORE THAN THE TEMPERATURE AT WHICH THE TEDLAR DISTORTS, WHICHEVER IS LOWER. TOO MUCH HEAT WILL CAUSE DAMAGE TO THE TEDLAR.

- (7) Use a heat 180° F (82° C) maximum output temperature heat gun, STD-442 to increase the temperature of the tedlar laminate

NOTE: Make sure the temperature remains constant across the surface of the laminate. Refer to (TASK 20-10-27-910-801) for cautions to obey when you use heat guns.

SUBTASK 25-00-00-340-029

- (8) Rub the tedlar laminate until the bond is satisfactory and you cannot see bubbles.

SUBTASK 25-00-00-340-030

- (9) Use a vacuum generator, SPL-1474 to make sure the laminate touches all of the panel:
 - (a) Use the maximum vacuum possible that will not cause damage to the panel.
 - (b) Cure the laminate for 24 hours at room temperature, or for two hours at 120° F (48.9°C), or for 30 minutes at 180° F (82.2°C).
 - (c) Let the part cool to 90° F (32.2°C) before you remove the vacuum pressure.

————— **END OF TASK** —————

TASK 25-00-00-900-801

4. Decorative Tedlar Removal/Installation

A. General

- (1) This task gives instructions to replace damaged decorative tedlar laminate on the honeycomb sandwich panels.

NOTE: If possible, replace the damaged area with the same type of Tedlar material that the damaged area was initially made from.

- (2) This task has these repairs:
 - (a) Removal of the decorative tedlar.
 - (b) Installation of the decorative tedlar (non-adhesive-backed).
 - (c) Installation of decorative tedlar laminate with a pressure sensitive adhesive (adhesive-backed).

B. References

Reference	Title
20-10-27-910-801	Precautions for Heat Devices (P/B 201)
20-30-98-910-801	Cleaning of Specific Polymerics (Series 98) (P/B 201)

C. Tools/Equipment

Reference	Description
STD-1181	Gloves - Heat Protective

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D. Consumable Materials

Reference	Description	Specification
A50010	Adhesive - Bonding Decorative Laminates	BMS5-127, Type IV
B01018	Solvent - Cleaning Of Specific Polymerics (AMM 20-30-98/201) - Series 98	
B01027	Solvent - Butyl Carbitol (Dow Chemical - E-Series Glycol Ethers)	
G00034	Cotton Wiper - Process Cleaning Absorbent Wiper (Cheesecloth, Gauze)	BMS15-5
G02446	Laminate - Tedlar	BAC5596 Type 13

E. Location Zones

Zone	Area
200	Upper Half of Fuselage

F. Decorative Tedlar Removal

SUBTASK 25-00-00-000-001

- (1) Do these steps to remove the decorative laminate, G02446 from the base panel.

NOTE: This repair procedure is best completed after the panel is removed from the airplane.

- (a) Attach the panel safely with the decorative side in the up position.
- (b) Put on the heat protective gloves, STD-1181.
- (c) Use a heat gun to apply heat to the corner of the panel, (TASK 20-10-27-910-801).

NOTE: Do not let the heat collect in one spot for more than 20 seconds.

- (d) Start removing the laminate by prying at the corner of the panel.
- (e) Slowly pull the laminate from the panel surface.
- (f) Point the heat gun in front of the area where the laminate continues to be attached to the panel.
 - 1) Keep a constant pressure on the laminate as you pull it from the panel.
 - 2) When the temperature reaches the correct level, the laminate will release from the panel.
- (g) Continue this procedure until the laminate is fully removed.

G. Decorative Tedlar Installation

SUBTASK 25-00-00-400-001

- (1) Do the following steps to install the decorative laminate, G02446 laminate to the base panel.

- (a) Clean the panel surface with a clean cotton wiper, G00034 that is soaked with Series 98 solvent, B01018, (TASK 20-30-98-910-801).
- (b) Apply adhesive, A50010 to panel surface.
- (c) Align the laminate, G02446 by the pattern location.
- (d) Use a seal bag or tool to apply vacuum to the panel.
- (e) Put the panel into an oven.

NOTE: Preheat the oven to a temperature of 250 degrees F (121.1 degrees C).

- (f) Dry the adhesive in accordance to BAC 5319 method VI.

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- (g) Remove the vacuum tool or seal bag from the panel.
 - (h) Remove the unwanted laminate from the edge of the panel.
- H. Decorative Tedlar Installation (pressure sensitive adhesive-backed)

NOTE: Use this task to apply laminate to non-acoustical (not perforated) panels with flat or simple contours.

SUBTASK 25-00-00-100-002

WARNING: DO NOT GET SOLVENTS IN YOUR MOUTH OR EYES, OR ON YOUR SKIN. DO NOT BREATHE THE FUMES FROM SOLVENTS. PUT ON A RESPIRATOR, PROTECTIVE SPLASH GOGGLES, AND GLOVES WHEN YOU USE SOLVENTS. KEEP THE SOLVENTS AWAY FROM SPARKS, FLAME, AND HEAT. SOLVENTS ARE POISONOUS AND FLAMMABLE. SOLVENTS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (1) Do these steps to install the laminate, G02446 to the base panel.
 - (a) Clean the area with a clean cotton wiper, G00034 that is wet with Butyl Carbitol solvent, B01027.
 - (b) Dry the area with a clean cotton wiper, G00034.
 - (c) Remove the release paper from the laminate, G02446 you want to apply.
 - (d) Apply the laminate, G02446.

NOTE: Make sure the pattern is in the correct position. If the patterns are not aligned, the installation will not look satisfactory.

- (e) Rub the laminate, G02446 until the bond is satisfactory and you cannot see bubbles.
- (f) Do these steps with vacuum pressure to make sure the laminate touches all of the panel:
 - 1) Use the maximum vacuum possible that will not cause damage to the panel.
 - 2) Let the laminate cure for 24 hours at room temperature, for two hours at 120°F (49°C) or for 30 minutes at 180°F (82°C).
 - 3) Let the part cool to 90°F (32°C) before you remove the vacuum pressure.

————— **END OF TASK** —————

TASK 25-00-00-300-803

5. Repair for Nomex Honeycomb Sandwich Panels with a Decorative Tedlar Cover

A. General

- (1) This task gives instructions to repair damage that went through the decorative Tedlar laminate into the honeycomb sandwich panels.
- (2) The area to be repaired must be smaller than 100 square inches (645.16 square cm). If the area to be repaired is larger than 100 square inches (645.16 square cm) you must replace the part.

B. Consumable Materials

Reference	Description	Specification
A00273	Adhesive - Epoxy Polyamide, 2 Part, Natural Colored	BMS5-126, Type II, Class 1
B00102	Abrasive - Aluminum Oxide Coated Cloth	ANSI B74.18
B01027	Solvent - Butyl Carbitol (Dow Chemical - E-Series Glycol Ethers)	
C00063	Ink - Screen Printing, Pigmented	BMS10-73, Type I

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Reference	Description	Specification
C00368	Ink - Screen Printing, Clear	BMS10-73, Type II
G00034	Cotton Wiper - Process Cleaning Absorbent Wiper (Cheesecloth, Gauze)	BMS15-5
G00270	Tape - Scotch Flatback Masking 250	ASTM D6123 (Supersedes A-A-883)
G01288	Tape - Carpet	BMS5-133
G02022	Rubber - Silicone Casting - RTV B	
G50400	Resin - Fiberglass Layup, Short Worklife, Non-Brominated	BMS 8-201, Type IV (Supersedes BMS 8-201, Type II)

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Repair for Flat Panels or Simple Contoured Panels with Large Radii

SUBTASK 25-00-00-340-031

WARNING: DO NOT GET SOLVENTS IN YOUR MOUTH OR EYES, OR ON YOUR SKIN. DO NOT BREATHE THE FUMES FROM SOLVENTS. PUT ON A RESPIRATOR, PROTECTIVE SPLASH GOGGLES, AND GLOVES WHEN YOU USE SOLVENTS. KEEP THE SOLVENTS AWAY FROM SPARKS, FLAME, AND HEAT. SOLVENTS ARE POISONOUS AND FLAMMABLE. SOLVENTS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (1) Use these steps to make a silicone embossing pad of the surface that is adjacent to the area you will repair:
 - (a) Clean the area with a clean cotton wiper, G00034 that is wet with Butyl Carbitol solvent, B01027.
 - (b) Dry the area with a clean cotton wiper, G00034.
 - (c) Make a frame, approximately 3/8-inch (9.5 mm) wide by 1/2-inch (12.7 mm) high, around the clean surface.

NOTE: Use wood, clay, or high temperature vacuum sealant tape for the frame.

- (d) Apply a thin layer of prepared silicone RTV B rubber, G02022 on the textured surface in the frame with a brush.

NOTE: Almost all brands, types, or colors of castable silicone rubber are satisfactory, but not the dark red types which contain finely divided iron oxide. Dow Corning RTV E, 587, or 93-072, and General Electric RTV41 or RTV61 are also preferred. Prepare the silicone with the manufacturer's instructions.

- (e) Pour the remaining RTV B rubber, G02022 on the brushed surface until it is 1/4-inch thick.

NOTE: One pound of prepared silicone rubber will make a 10-inch (25.4 cm) by 10-inch (25.4 cm) by 1/4-inch (6.4 mm) replica.

- 1) Let the silicone cure at room temperature for 48 hours.

- (f) When the silicone is dry, remove the embossed pad from the surface.

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SUBTASK 25-00-00-340-032

- (2) Attach a template with the correct hole diameter on the damaged area with the tape, G01288.
 - (a) Use the hole saw to remove the damaged area.

NOTE: Use a guard to make sure you do not cut the aft surface of the panel.

SUBTASK 25-00-00-340-033

- (3) Mix the adhesive, A00273.

NOTE: If the adhesive is a four-component system, do the steps that follow:

- (a) Mix 80 parts (by weight) of Epon 828 or DER 331 with 20 parts (by weight) Heloxy 68 to make component A.
- (b) Mix 50 parts (by weight) of Versamid 115 with 50 parts (by weight) of Versamid 125 to make component B.
- (c) Mix equal parts (by weight) of components A and B to make the adhesive mixture.

SUBTASK 25-00-00-340-034

- (4) Bond a piece of decorative laminate of the correct color, design and texture to a piece of foam with the adhesive mixture.

NOTE: The foam thickness must be the same thickness as the honeycomb core from the damaged area.

- (a) Let the adhesive cure.

SUBTASK 25-00-00-340-035

- (5) Attach a template to a piece of foam with the tape, G01288.

NOTE: The hole diameter of the foam must equal the inner diameter of the cutter.

SUBTASK 25-00-00-340-036

- (6) Cut a repair plug from the piece of foam.

SUBTASK 25-00-00-340-037

- (7) Rub the repair plug with abrasive cloth, B00102 paper (120 to 200 grit) if it is necessary to get a satisfactory fit.

SUBTASK 25-00-00-340-038

- (8) Bond the repair plug in the hole with the adhesive, A00273 mixture.

NOTE: Use the minimum quantity possible to get a satisfactory bond.

SUBTASK 25-00-00-340-039

- (9) Fill the clearance around the repair plug with the adhesive, A00273 mixture.

NOTE: Apply more than is necessary to make sure the clearance is fully filled. The unwanted material is removed in the following step.

SUBTASK 25-00-00-340-040

- (10) Let the adhesive, A00273 mixture cure.

SUBTASK 25-00-00-950-001

- (11) Apply the Scotch Flatback Masking Tape 250, G00270 to the area around the repair.

SUBTASK 25-00-00-340-041

- (12) Rub the area with 240 to 320 grit abrasive cloth, B00102 paper until it is smooth and level with the adjacent surfaces.

SUBTASK 25-00-00-370-012

- (13) Apply ink, C00063 or ink, C00368 of the correct color to match the adjacent area.

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- (a) Let the ink dry for 15 minutes.

SUBTASK 25-00-00-340-042

- (14) Apply the silicone embossing pad to the surface you repaired and then apply vacuum pressure (approximately 10 inches (25.4 cm) of Hg).

- (a) Keep this configuration until the surface is cured (15 minutes at 160° F) (71.1°C).

E. Compound Curative Panel Repair

SUBTASK 25-00-00-280-004

- (1) Attach a template with the correct hole diameter on the damaged area with the tape, G01288.

SUBTASK 25-00-00-340-043

- (2) Cut out the damaged area; go through the full thickness of the panel (non-decorative skin too).

- (3) In areas where you cannot use a template, do the steps that follow:

- (a) Drill a 1/4-inch (6.4 mm) hole through the damaged area.

- (b) Use a hole saw with a 1/4-inch (6.4 mm) pilot to remove the damaged area.

SUBTASK 25-00-00-340-044

WARNING: DO NOT GET SOLVENTS IN YOUR MOUTH OR EYES, OR ON YOUR SKIN. DO NOT BREATHE THE FUMES FROM SOLVENTS. PUT ON A RESPIRATOR, PROTECTIVE SPLASH GOGGLES, AND GLOVES WHEN YOU USE SOLVENTS. KEEP THE SOLVENTS AWAY FROM SPARKS, FLAME, AND HEAT. SOLVENTS ARE POISONOUS AND FLAMMABLE. SOLVENTS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (4) Use these steps to make a silicone embossing pad of the surface that is adjacent to the area you will repair:

- (a) Clean the area with a clean cotton wiper, G00034 that is wet with Butyl Carbitol solvent, B01027.

- (b) Dry the area with a clean cotton wiper, G00034.

- (c) Make a frame, approximately 3/8-inch (9.5 mm) wide by 1/2-inch (12.7 mm) high, around the clean surface.

NOTE: Use wood, clay, or high temperature vacuum sealant tape for the frame.

- (d) Apply a thin layer of prepared silicone RTV B rubber, G02022 on the textured surface in the frame with a brush.

NOTE: Almost all brands, types, or colors of castable silicone rubber are satisfactory, but not the dark red types which contain finely divided iron oxide. Dow Corning RTV E, 587, or 93-072, and General Electric RTV41 or RTV61 are also preferred. Prepare the silicone with the manufacturer's instructions.

- (e) Pour the remaining silicone RTV B rubber, G02022 on the brushed surface until it is 1/4-inch (6.4 mm) thick.

NOTE: One pound of prepared silicone rubber will make a 10-inch (25.4 cm) by 10-inch (25.4 cm) by 1/4-inch (6.4 mm) replica.

- 1) Let the silicone cure at room temperature for 48 hours.

- (f) When the silicone is dry, remove the embossed pad from the surface.

SUBTASK 25-00-00-340-045

- (5) Put the silicone embossing pad over the hole in the decorative face of the panel.

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SUBTASK 25-00-00-340-046

- (6) Hold the texture blanket in the correct position with weights or a vacuum bag.
- (7) In areas where you cannot use a texture blanket, seal the hole with Scotch Flatback Masking Tape 250, G00270.

SUBTASK 25-00-00-340-047

WARNING: DO NOT GET RESIN, BMS8-201, TYPE IV ADHESIVE IN YOUR MOUTH OR EYES, OR ON YOUR SKIN. DO NOT BREATHE THE FUMES. PUT ON PROTECTIVE SPLASH GOGGLES AND GLOVES. RESIN BMS8-201, TYPE IV ADHESIVE CONTAINS EPOXY RESINS WHICH CAN CAUSE INJURY TO PERSONS.

- (8) Fill the hole from the non-decorative side of the panel with resin, G50400.

SUBTASK 25-00-00-340-048

- (9) Let the adhesive cure at room temperature for 24 hours, or at 140° F (60°C) for 2 hours.

SUBTASK 25-00-00-020-008

- (10) Remove the silicone embossing pad or the tape.

SUBTASK 25-00-00-370-013

- (11) Apply ink, C00063 or ink, C00368 of the correct color.

SUBTASK 25-00-00-370-014

- (12) Let the ink dry for 15 minutes.

SUBTASK 25-00-00-340-049

- (13) Apply the silicone embossing pad to the repaired surface, if it is possible.

- (a) Apply vacuum pressure (approximately 10 inches (25.4 cm) to Hg).

SUBTASK 25-00-00-340-050

- (14) Let the surface cure for about 15 minutes at 160° F (71.1°C) before you remove the embossing pad.

————— END OF TASK —————

TASK 25-00-00-300-804

6. Repair for Tedlar Covers of Aluminum Laminates

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Procedure

SUBTASK 25-00-00-300-003

- (1) To repair scratches or small dents (not more than 0.050-inch (12.7 mm) depth), do the repair procedures given for Crushed-Core and Sandwich Panel Repair, TASK 25-00-00-300-801.

————— END OF TASK —————

TASK 25-00-00-300-805

7. Perforated Panel Repair

A. General

- (1) This task gives the instructions to repair damage of not more than 1.5-inches (38.1 mm) in diameter to the following panels:

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- (a) A repair of acoustical panels that have damage through the decorative surface and the fiberglass screen.
(b) To apply Tedlar laminate to the surface of the acoustical panels.

B. References

Table with 2 columns: Reference, Title. Row: 20-10-27-910-801, Precautions for Heat Devices (P/B 201)

C. Tools/Equipment

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt:", which stands for Optional.

Table with 2 columns: Reference, Description. Rows: SPL-1474 (Generator - Vacuum), STD-442 (Gun - Heat), STD-1080 (Brush - Paint)

D. Consumable Materials

Table with 3 columns: Reference, Description, Specification. Lists various materials like adhesives, resins, solvents, inks, and tapes with their respective specifications.

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E. Location Zones

Zone	Area
200	Upper Half of Fuselage

F. Repair Perforated Panels

SUBTASK 25-00-00-420-002

- (1) Put a routing template, with a hole diameter larger than the damaged area, over the area with damage.
- (2) Hold the template in place with tape, G01288.

SUBTASK 25-00-00-010-001

- (3) Remove the damaged area with a router.
 - (a) Make sure the depth of the router does not cause damage to the screen under the decorative layer.
 - (b) For panels with tedlar covers, put one or two layers of Permacel P-255 tape, G02480 over the damaged area and over the perforated decorative sheet.

SUBTASK 25-00-00-340-051

- (4) Remove the flow resistant fabric.

SUBTASK 25-00-00-340-052

- (5) Mix the adhesive as follows:
 - (a) Mix (by weight) 60 to 65 parts of resin, A00040 with 100 parts of Epibond 126 adhesive, A00039.

WARNING: DO NOT GET SOLVENTS IN YOUR MOUTH, OR YOUR EYES, OR YOUR SKIN. DO NOT BREATHE THE FUMES FROM SOLVENTS. SOLVENTS ARE HAZARDOUS MATERIALS. REFER TO PRODUCT MATERIAL SAFETY DATA SHEETS (MSDS) AND LOCAL REQUIREMENTS FOR PROPER HANDLING PROCEDURES.

- 1) Mix (by volume) one part of the adhesive mixture with one part of solvent, B00148 and one part of solvent, B00153.

SUBTASK 25-00-00-340-053

- (6) Cut a piece of flow-resistant fabric, G00450 that is larger than the damaged area.

SUBTASK 25-00-00-340-054

- (7) Bond the flow-resistant fabric, G00450 to a piece of perforated film, G00423 with the adhesive mixture.

SUBTASK 25-00-00-340-055

- (8) Use a routing template to cut a patch from the perforated sheet you made in the previous step.

SUBTASK 25-00-00-340-056

- (9) Rub the patch with abrasive cloth, B00102 paper (240 to 400 grit) to make sure the patch fits correctly in the cutout.
- (10) Make two marks on the patch and on the adjacent surface.

NOTE: This will help you install the patch in the position that it has the best fit.

SUBTASK 25-00-00-950-002

- (11) Apply masking Scotch Flatback Masking Tape 250, G00270 to the decorative side of the patch and around the cutout area.

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SUBTASK 25-00-00-110-012

WARNING: DO NOT GET SOLVENTS IN YOUR MOUTH OR EYES, OR ON YOUR SKIN. DO NOT BREATHE THE FUMES FROM SOLVENTS. PUT ON A RESPIRATOR, PROTECTIVE SPLASH GOGGLES, AND GLOVES WHEN YOU USE SOLVENTS. KEEP THE SOLVENTS AWAY FROM SPARKS, FLAME, AND HEAT. SOLVENTS ARE POISONOUS AND FLAMMABLE. SOLVENTS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (12) Clean the surface with a cotton wiper, G00034 that is moist with Butyl Carbitol solvent, B01027.
- (13) Dry the area with a clean cotton wiper, G00034.

SUBTASK 25-00-00-340-057

- (14) Apply a heavy layer of the mixed adhesive with a paint brush, STD-1080 on the mating surfaces of the patch and the cutout.
 - (a) Let the adhesive dry for 10 minutes.

SUBTASK 25-00-00-340-058

- (15) Remove the masking tape from the patch and panel.

SUBTASK 25-00-00-340-059

- (16) Apply the tape, G01288 to the decorative side of the patch and to the area around the cutout.

NOTE: The patch marks you made must show.

SUBTASK 25-00-00-340-060

- (17) Put the patch on a piece of transparent plexiglass which is slightly larger than the patch.
- (18) Put the flow-resistant fabric between the patch and the fiberglass screen.

SUBTASK 25-00-00-340-061

- (19) Put the patch into the cutout.
- (20) Look through the plexiglass to align the marks that you made.

SUBTASK 25-00-00-340-062

- (21) Apply pressure to the plexiglass, as necessary, to make sure the patch is level with the adjacent surfaces.

SUBTASK 25-00-00-340-063

- (22) Let the patch cure for 24 hours at room temperature, or for 3 hours at 115°(46.1C) to 125° F (51.7°C).

SUBTASK 25-00-00-340-064

- (23) Put the compound, D00147 in all of the cracks that you can see.
 - (a) Let the compound, D00147 cure.

SUBTASK 25-00-00-340-065

- (24) Apply masking Scotch Flatback Masking Tape 250, G00270 to the area around the repair.

SUBTASK 25-00-00-340-066

- (25) Rub the compound, D00147 with 240 to 320 grit abrasive cloth, B00102 paper until it is smooth and level with the adjacent surfaces.

SUBTASK 25-00-00-370-015

- (26) Apply ink, C00063 or ink, C00368 of the correct color to match the adjacent area.
 - (a) Let the ink dry.

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SUBTASK 25-00-00-340-067

(27) Drill holes to make perforations if it is necessary.

NOTE: Use a piece of perforated material for a template.

G. Apply Decorative Tedlar to Acoustical (Perforated) Panels

SUBTASK 25-00-00-020-009

(1) Remove the trim strips from the panel.

SUBTASK 25-00-00-120-005

(2) Rub the area which you will apply the adhesive with abrasive cloth, B00102 paper until the area is not glossy.

SUBTASK 25-00-00-110-013

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(3) Clean the area with a cotton wiper, G00034 that is moist with Butyl Carbitol solvent, B01027.

SUBTASK 25-00-00-100-001

(4) Dry the area with a clean cotton wiper, G00034.

SUBTASK 25-00-00-110-014

WARNING: DO NOT GET SOLVENTS IN YOUR MOUTH, OR YOUR EYES, OR ON YOUR SKIN. DO NOT BREATHE THE FUMES FROM SOLVENTS. SOLVENTS ARE HAZARDOUS MATERIALS. SOLVENTS MAY BE FLAMMABLE OR HARMFUL TO THE ENVIRONMENT. REFER TO PRODUCT MATERIAL SAFETY DATA SHEETS (MSDS) AND LOCAL REQUIREMENTS FOR PROPER HANDLING PROCEDURES.

(5) Mix (by volume) one part adhesive, A00153 adhesive with one part solvent, B00148.

SUBTASK 25-00-00-340-068

(6) Carefully apply the mixture to the surface with a paint brush, STD-1080.

SUBTASK 25-00-00-370-016

CAUTION: MAKE SURE THE SURFACE IS FULLY DRY BEFORE YOU INSTALL THE TEDLAR LAMINATE. IF YOU INSTALL THE TEDLAR LAMINATE TO A WET SURFACE, YOU WILL NOT GET A SATISFACTORY BOND.

(7) Let the surface dry at room temperature for a minimum of 2 hours.

SUBTASK 25-00-00-210-003

CAUTION: MAKE SURE THE DECORATIVE TEDLAR LAMINATE HAS THE CORRECT COLOR AND PATTERN. THE REPAIR WILL NOT LOOK SATISFACTORY IF THE NEW TEDLAR LAMINATE IS NOT CORRECT.

(8) Put the decorative tedlar laminate, G02446 in position.

NOTE: Use masking Scotch Flatback Masking Tape 250, G00270 to hold the decorative tedlar laminate in position. If you use perforated tedlar for the repair, align the holes in the tedlar with the holes in the panel you will cover.

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SUBTASK 25-00-00-880-003

CAUTION: BE CAREFUL WHEN YOU APPLY HEAT NEAR MATERIALS THAT CAN BURN. THE TEMPERATURE OF THE TEDLAR MUST NOT BE MORE THAN 200° F (93.3°C) OR MORE THAN THE TEMPERATURE AT WHICH THE TEDLAR DISTORTS, WHICHEVER IS LOWER. TOO MUCH HEAT WILL CAUSE DAMAGE TO THE TEDLAR.

- (9) Use a heat 180° F (82° C) maximum output temperature heat gun, STD-442 to increase the temperature of the tedlar laminate

NOTE: Make sure the temperature remains constant across the surface of the laminate. Refer to (TASK 20-10-27-910-801) for cautions to obey when you use heat guns.

SUBTASK 25-00-00-340-069

- (10) Use a vacuum vacuum generator, SPL-1474 to make sure the laminate touches all of the panel:
(a) Use the maximum vacuum possible that will not cause damage to the panel.
(b) Cure the laminate for 24 hours at room temperature, for 2 hours at 120° F (48.9°C), or for 30 minutes at 180° F (82.2°C).
(c) Let the part cool to 90° F (32.2°C) before you remove the vacuum pressure.

END OF TASK

TASK 25-00-00-340-801

8. Repair for Polycarbonate (Lexan), Ultem, and Declar Plastics

A. General

- (1) The following data gives instructions to repair cracks and gouges in decorative and non-decorative plastics.
(2) Make sure the area you want to repair is smaller than 100 square inches (254 square cm). If the area is larger than 100 square inches (254 square cm), you must replace the part.

B. References

Table with 2 columns: Reference, Title. Row: 25-00-00-370-801, Paint the Airplane Equipment and Furnishings (P/B 701)

C. Consumable Materials

Table with 3 columns: Reference, Description, Specification. Rows include A00112 (Hardener - Adhesive - Hysol 3561), A50005 (Resin - Adhesive, Flame-Out Casting - Hysol EE1067), B00102 (Abrasive - Aluminum Oxide Coated Cloth), B01027 (Solvent - Butyl Carbitol), C00040 (Coating - Interior Decorative Urethane Topcoat), C00302 (Coating - Interior Decorative Water Emulsion Paint), G00034 (Cotton Wiper - Process Cleaning Absorbent Wiper), G00321 (Fabric, Woven Prepregnated Glass, Epoxy Resin)

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D. Location Zones

Zone	Area
200	Upper Half of Fuselage

E. Repair for Cracked Areas

SUBTASK 25-00-00-340-070

- (1) Drill a 1/16-inch (1.59 mm) diameter hole at each end of the crack.

SUBTASK 25-00-00-340-071

- (2) Remove the material from the crack until the width of the crack is approximately equal to the thickness of the part.

SUBTASK 25-00-00-340-072

- (3) Rub the surface with abrasive cloth, B00102 paper until the surface is not glossy.

SUBTASK 25-00-00-340-073

WARNING: DO NOT GET SOLVENTS IN YOUR MOUTH OR EYES, OR ON YOUR SKIN. DO NOT BREATHE THE FUMES FROM SOLVENTS. PUT ON A RESPIRATOR, PROTECTIVE SPLASH GOGGLES, AND GLOVES WHEN YOU USE SOLVENTS. KEEP THE SOLVENTS AWAY FROM SPARKS, FLAME, AND HEAT. SOLVENTS ARE POISONOUS AND FLAMMABLE. SOLVENTS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (4) Clean the area with a clean cotton wiper, G00034 that is wet with Butyl Carbitol solvent, B01027.

- (5) Dry the area with a clean cotton wiper, G00034.

SUBTASK 25-00-00-340-074

- (6) Mix the repair resin:

- (a) Mix 15 to 17 parts of Hysol EE1067 resin, A50005 with one hundred parts of Hysol 3561 hardener, A00112.

SUBTASK 25-00-00-340-075

- (7) Fill the crack with the repair resin.

SUBTASK 25-00-00-340-076

- (8) Let the repair resin cure until it is hard.

SUBTASK 25-00-00-340-077

- (9) Apply glass fabric, G00321 that is soaked with the repair resin to make the repair stronger.

NOTE: If you want to repair a decorative part, put the fabric on the side that is not decorative. The glass fabric layers must be at least as thick as the part where the crack was. Make the glass fabric 1/2 inch (12.7 mm) smaller around the edge for each layer you apply. If the crack is at or near an edge, it is not necessary to make each layer smaller.

SUBTASK 25-00-00-340-078

- (10) Remove all the unwanted resin.

SUBTASK 25-00-00-340-079

- (11) Let the repair cure until it is hard at a temperature between 70°(21.1°C) and 130° F (54.4°C).

SUBTASK 25-00-00-340-080

- (12) Rub the area with abrasive cloth, B00102 paper until the repair is smooth.

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SUBTASK 25-00-00-340-081

(13) Apply the emulsion coating, C00302 to the area.

NOTE: If you want to paint the part out of the airplane, use coating, C00040 (TASK 25-00-00-370-801).

F. Repair for Gouged Areas

SUBTASK 25-00-00-340-082

(1) If there is not a dent around the gouge, make the gouge smooth with abrasive cloth, B00102 paper.

SUBTASK 25-00-00-340-083

(2) If the appearance is not satisfactory after it is smooth, fill the gouge with repair resin.

(a) Do the steps in the repair for cracked areas.

SUBTASK 25-00-00-340-084

(3) If the surface has dents, remove the area with dents and do the repair for cracked areas.

END OF TASK

TASK 25-00-00-350-801

9. Repair Urethane Foam

A. General

(1) The task gives instructions on how to repair the urethane foam material with these alternatives:

- (a) Repair the foam with a Plug
- (b) Repair the foam with an adhesive resin.

B. Tools/Equipment

Reference	Description
STD-821	Squeegee - Plastic

C. Consumable Materials

Reference	Description	Specification
A00188	Adhesive - Urethane, Two Component	BMS5-105 Type V
A00216	Compound - Honeycomb Edge Filling & Potting, Epoxy Based, 2 Part, RT Cure (40 Min Gel)	BMS5-28, Type 16
D00091	Oil - General Purpose, Low Temperature, Lubricating	MIL-PRF-7870 (NATO O-142)
G00111	Sheet - Mylar	
G01288	Tape - Carpet	BMS5-133

D. Location Zones

Zone	Area
200	Upper Half of Fuselage

E. Repair the Foam with a Plug

SUBTASK 25-00-00-350-013

(1) Remove the damage with a cork bore or an equivalent tool.

NOTE: The tool size must be equal to the size of the damaged area, or up to 1/2 inch (12.7 mm) larger in diameter.

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SUBTASK 25-00-00-350-014

(2) Use the same tool to cut a repair plug from foam to fit in damaged area.

SUBTASK 25-00-00-350-015

(3) Apply a layer of the adhesive, A00188 to each surface of the repair plug and damaged area.

SUBTASK 25-00-00-350-016

(4) Let the adhesive dry until tacky.

NOTE: Do not stress the adhesive bond for 24 hours.

SUBTASK 25-00-00-420-003

(5) Push the repair plug into the damaged area with hand pressure.

F. Repair the Foam with Adhesive Resin

SUBTASK 25-00-00-350-017

(1) Remove the damage with a cork bore or equivalent tool.

NOTE: The tool size must be equal to the size of the damaged area, or up to 1/2-inch (12.7 mm) larger in diameter.

SUBTASK 25-00-00-350-018

(2) Use the manufacturers instructions to mix the potting compound, A00216.

SUBTASK 25-00-00-350-019

(3) Fill the area fully with the potting compound.

SUBTASK 25-00-00-350-020

(4) Put a sheet of mylar sheet, G00111 over the potting compound.

NOTE: The potting compound must go 2-inches (50.8 mm) beyond the edge of the filled area all around.

SUBTASK 25-00-00-350-021

(5) Put a small portion of the oil, D00091 on the top surface of the Mylar film.

SUBTASK 25-00-00-350-022

(6) Start at the center of the repair and rub the potting compound with a plastic squeegee, STD-821 until you get the shape necessary.

SUBTASK 25-00-00-350-023

(7) Apply carpet tape, G01288 to hold the Mylar film in position.

SUBTASK 25-00-00-350-024

(8) Let the compound cure for 1 hour at room temperature and then 5 hours at 115° F (46.1°C).

SUBTASK 25-00-00-350-025

(9) Carefully remove the Mylar film after the compound is cured.

————— **END OF TASK** —————

TASK 25-00-00-350-802

10. Repair Aluminum Trim

A. General

(1) This procedure gives instructions to repair aluminum trim.

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B. References

Reference	Title
20-10-27-910-801	Precautions for Heat Devices (P/B 201)

C. Tools/Equipment

Reference	Description
STD-6554	Gun - Heat

D. Consumable Materials

Reference	Description	Specification
A00028	Adhesive - Modified Epoxy For Rigid PVC, Foam Cored Sandwiches	BAC5010, Type 70 (BMS5-92, Type 1)
A00279	Adhesive - Fast-Setting Epoxy	BMS5-123 or BAC5010, Type 71
D00147	Compound - Interior Surface Filling, Polyester Resin	BMS5-136
G00270	Tape - Scotch Flatback Masking 250	ASTM D6123 (Supersedes A-A-883)
G01601	Abrasive - Aluminum Oxide Coated Cloth, 400 to 600 grit	

E. Location Zones

Zone	Area
200	Upper Half of Fuselage

F. Repair aluminum trim

SUBTASK 25-00-00-350-027

(1) Remove any fasteners from the aluminum trim if they are installed.

SUBTASK 25-00-00-020-010

(2) Remove the aluminum trim from the panel.

(a) If the trim is bonded, use a heat gun, STD-6554 to help remove the trim, (TASK 20-10-27-910-801).

1) Apply heat while pulling trim away from the panel.

2) Remove the trim progressively from one end to the other.

SUBTASK 25-00-00-840-001

(3) Restore the trim to it's original straightness and contour.

NOTE: Use metal working techniques to remove dents and straighten the trim as much as possible.

SUBTASK 25-00-00-410-001

(4) Put the trim onto the panel and reattach any fasteners.

(a) If the trim is applied with fasteners and adhesive, apply epoxy adhesive to the edge of the panel and quickly reattach the trim with the fasteners.

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- (b) If the trim is applied with adhesive only, apply an epoxy adhesive to the edge of the panel and quickly position the trim.

NOTE: adhesive, A00279 has a very short working life. If more time is required for the repair, use an adhesive such as adhesive, A00028.

- (c) Use Scotch Flatback Masking Tape 250, G00270 to hold the trim in the correct position until the adhesive is fully cured.

SUBTASK 25-00-00-300-004

- (5) Fill any dents, gouges, or imperfections with compound, D00147 to make a crown above the adjacent area.

- (a) After the compound, D00147 is hard, rub it with 400 to 600 grit abrasive cloth, G01601 to the same level as the surface of the panel.

SUBTASK 25-00-00-370-017

- (6) Apply aluminum spray paint to the repaired area. Any commercially available spray paint is acceptable.

————— **END OF TASK** —————

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EQUIPMENT/FURNISHINGS - DDG MAINTENANCE PROCEDURES

1. General

- A. This procedure has maintenance tasks for the Master Minimum Equipment List (MMEL) maintenance requirements as shown in the Dispatch Deviations Procedures Guide (DDPG). These tasks are used to prepare the airplane for flight with certain systems/components inoperative.
B. This procedure also has the tasks that put the airplane back to its usual condition.
C. These are the tasks for the equipment/furnishings components:
(1) MMEL 25-3 (DDPG) Preparation - Flight Attendant Seat Assembly Positions Inoperative
(2) MMEL 25-3 (DDPG) Restoration - Flight Attendant Seat Assembly Positions Inoperative
(3) MMEL 25-6 (DDPG) Preparation - Passenger Seats (Including Seat Backs) Inoperative
(4) MMEL 25-6 (DDPG) Restoration - Passenger Seats (Including Seat Backs) Inoperative
(5) MMEL 25-19 (DDPG) Preparation - Underseat Baggage Restraining Bars Inoperative
(6) MMEL 25-19 (DDPG) Restoration - Underseat Baggage Restraining Bars Inoperative
(7) MMEL 25-21 (DDPG) Preparation - Flight Crew Seat Armrest or Lumbar/Thigh Supports Inoperative
(8) MMEL 25-21 (DDPG) Restoration - Flight Crew Seat Armrest or Lumbar/Thigh Supports Inoperative
(9) MMEL 25-22 (DDPG) Preparation - Galley Waste Receptacles Access Doors/Covers Inoperative
(10) MMEL 25-22 (DDPG) Restoration - Galley Waste Receptacles Access Doors/Covers Inoperative

TASK 25-00-00-860-801

2. MMEL 25-3 (DDPG) Preparation - Flight Attendant Seat Assembly Positions Inoperative

A. General

- (1) This task gives the maintenance steps which prepare the airplane for flight when one or two flight attendant seat assembly positions do not operate correctly.

B. References

Table with 2 columns: Reference, Title. Row 1: 25-25-12-000-801, Attendants' Seat Removal (P/B 401)

C. Location Zones

Table with 2 columns: Zone, Area. Row 1: 200, Upper Half of Fuselage

D. Flight Attendant Seat Assembly Deactivation

SUBTASK 25-00-00-040-001

- (1) Do the steps that follow to stow the flight attendant seat in the closed position:
(a) The flight attendant seats are designed to close when a person does not occupy the seat.
(b) If the flight attendant seat will not stay closed, it must be removed. To remove the seat, do this task: Attendants' Seat Removal, TASK 25-25-12-000-801.

SUBTASK 25-00-00-040-002

- (2) Notify the cabin crew of the inoperative attendant seat.

END OF TASK

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TASK 25-00-00-440-801

3. M MEL 25-3 (DDPG) Restoration - Flight Attendant Seat Assembly Positions Inoperative

A. General

- (1) This task puts the airplane back to its usual condition after operating with the one or two flight attendant seat assembly positions that do not operate correctly.

B. References

Reference	Title
25-25-12-000-801	Attendants' Seat Removal (P/B 401)
25-25-12-400-801	Attendants' Seat Installation (P/B 401)

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Flight Attendant Seat Assembly Reactivation

SUBTASK 25-00-00-900-001

- (1) Replace the attendant seat(s) that does not operate correctly.

These are the tasks:

- Attendants' Seat Removal, TASK 25-25-12-000-801,
- Attendants' Seat Installation, TASK 25-25-12-400-801.

————— **END OF TASK** —————

TASK 25-00-00-860-802

4. M MEL 25-6 (DDPG) Preparation - Passenger Seats (Including Seat Backs) Inoperative

A. General

- (1) This task gives the maintenance steps which prepare the airplane for flight when a passenger seat does not operate correctly.

B. References

Reference	Title
25-22-00-000-801	Passenger Seat Removal (P/B 401)

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Passenger Seat Deactivation

SUBTASK 25-00-00-040-003

- (1) Do these steps for an inoperative passenger seat in the upright position:
 - (a) Refer to the seat manufacturer's specifications to safety the seat in the upright position.

NOTE: The seat may be used during flight if the seat belts operate correctly.

SUBTASK 25-00-00-040-004

- (2) Do these steps for an inoperative passenger seat in the reclined position:

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- (a) Make sure that the inoperative passenger seat does not cause a blockage to the aisle or the emergency exit.
- (b) If the inoperative seat does cause a blockage to an emergency exit:
 - 1) Do this task: Passenger Seat Removal, TASK 25-22-00-000-801.
- (c) If the inoperative seat does cause a blockage to the aisle:
 - 1) Safety the row of seats aft of the inoperative passenger seat.

————— **END OF TASK** —————

TASK 25-00-00-040-801

5. MMEL 25-6 (DDPG) Restoration - Passenger Seats (Including Seat Backs) Inoperative

A. General

- (1) This task puts the airplane back to its usual condition after operating with a passenger seat that does not operate correctly.

B. References

Reference	Title
25-22-00-000-801	Passenger Seat Removal (P/B 401)
25-22-00-400-802	Passenger Seat Installation (P/B 401)

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Passenger Seat Reactivation

SUBTASK 25-00-00-420-004

- (1) If the inoperative seat caused a blockage to an emergency exit:
 - (a) Do this task: Passenger Seat Installation, TASK 25-22-00-400-802.

SUBTASK 25-00-00-900-002

- (2) If the inoperative seat caused a blockage to the aisle:
 - (a) Replace the passenger seat(s) that does not operate correctly.
These are the tasks:
Passenger Seat Removal, TASK 25-22-00-000-801,
Passenger Seat Installation, TASK 25-22-00-400-802.

————— **END OF TASK** —————

TASK 25-00-00-860-803

6. MMEL 25-19 (DDPG) Preparation - Underseat Baggage Restraining Bars Inoperative

A. General

- (1) This task gives the maintenance steps which prepare the airplane for flight when an underseat baggage restraining bar is inoperative.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

EFFECTIVITY HAP ALL	
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C. Underseat Baggage Restraining Bar Deactivation

SUBTASK 25-00-00-040-005

- (1) Install a placard on the affected passenger seat.

SUBTASK 25-00-00-040-006

- (2) Notify the cabin crew of the inoperative baggage restraining bar and its location.

————— **END OF TASK** —————

TASK 25-00-00-040-802

7. M MEL 25-19 (DDPG) Restoration - Underseat Baggage Restraining Bars Inoperative

A. General

- (1) This task puts the airplane back to its usual condition after operating with an underseat baggage restraining bar inoperative.

B. References

Reference	Title
25-22-00-000-801	Passenger Seat Removal (P/B 401)
25-22-00-400-802	Passenger Seat Installation (P/B 401)

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Underseat Baggage Restraining Bar Reactivation

SUBTASK 25-00-00-900-003

- (1) Replace the passenger seat(s).

These are the tasks:

Passenger Seat Removal, TASK 25-22-00-000-801,

Passenger Seat Installation, TASK 25-22-00-400-802.

————— **END OF TASK** —————

TASK 25-00-00-860-804

8. M MEL 25-21 (DDPG) Preparation - Flight Crew Seat Armrest or Lumbar/Thigh Supports Inoperative

A. General

- (1) This task gives the maintenance steps which prepare the airplane for flight when the armrest or lumbar/thigh supports of a flight crew seat do not operate correctly.

B. References

Reference	Title
25-11-01-000-801	Captain's and First Officer's Seat Removal (P/B 401)
25-11-01-400-801	Captain's and First Officer's Seat Installation (P/B 401)

C. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

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D. Flight Crew Seat Armrest Deactivation

SUBTASK 25-00-00-040-007

- (1) Remove the armrest or safety the armrest in an upright position.

SUBTASK 25-00-00-040-008

- (2) Notify the flight crew of the inoperative armrest.

NOTE: The seat must be acceptable to the affected crew member.

- (a) If the seat is not acceptable to the affected crew member the seat must be replaced.

These are the tasks:

Captain's and First Officer's Seat Removal, TASK 25-11-01-000-801,

Captain's and First Officer's Seat Installation, TASK 25-11-01-400-801.

E. Flight Crew Seat Lumbar/Thigh Supports Deactivation

SUBTASK 25-00-00-040-009

- (1) Notify the flight crew of the inoperative lumbar/thigh supports.

NOTE: The seat must be acceptable to the affected crew member.

- (a) If the seat is not acceptable to the affected crew member the seat must be replaced.

These are the tasks:

Captain's and First Officer's Seat Removal, TASK 25-11-01-000-801,

Captain's and First Officer's Seat Installation, TASK 25-11-01-400-801.

————— END OF TASK —————

TASK 25-00-00-040-803

9. M MEL 25-21 (DDPG) Restoration - Flight Crew Seat Armrest or Lumbar/Thigh Supports Inoperative

A. General

- (1) This task puts the airplane back to its usual condition after operating with a flight crew seat armrest or lumbar/thigh support that does not operate correctly.

B. References

Reference	Title
25-11-01-000-801	Captain's and First Officer's Seat Removal (P/B 401)
25-11-01-400-801	Captain's and First Officer's Seat Installation (P/B 401)

C. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

D. Flight Crew Seat Reactivation

SUBTASK 25-00-00-900-004

- (1) Replace the flight crew seat(s) that does not operate correctly.

These are the tasks:

Captain's and First Officer's Seat Removal, TASK 25-11-01-000-801,

Captain's and First Officer's Seat Installation, TASK 25-11-01-400-801.

————— END OF TASK —————

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TASK 25-00-00-860-805

10. MMEL 25-22 (DDPG) Preparation - Galley Waste Receptacles Access Doors/Covers Inoperative

A. General

- (1) This task gives the maintenance steps which prepare the airplane for flight when a galley waste receptacle access door/cover is inoperative.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Galley Waste Receptacle Access Door/Cover Deactivation

SUBTASK 25-00-00-040-010

- (1) Safety the galley waste receptacle access door/cover in the closed position with tape or a strap.

————— **END OF TASK** —————

TASK 25-00-00-440-802

11. MMEL 25-22 (DDPG) Restoration - Galley Waste Receptacles Access Door/Covers Inoperative

A. General

- (1) This task puts the airplane back to its usual condition after operating with a galley waste receptacle access door/cover that is inoperative.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Galley Waste Receptacles Access Door/Cover Reactivation

SUBTASK 25-00-00-910-001

- (1) Remove the tape or strap from the inoperative door/cover.

SUBTASK 25-00-00-350-026

- (2) Repair the inoperative latch on the access door/cover.

————— **END OF TASK** —————

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FLIGHT COMPARTMENT SEATS - MAINTENANCE PRACTICES

1. General

- A. This procedure contains scheduled maintenance task data.
- B. This procedure has these tasks:
 - (1) Captain's, First Officer's, and Observer's Seat Harness Visual Check.
 - (2) Captain's, First Officer's, and Observer's Seat Harness Operational Check.

TASK 25-11-00-200-802

2. Captain's, First Officer's, and Observer's Seat Visual Harness Check

- A. General
 - (1) This procedure is a scheduled maintenance task.
- B. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

C. Procedure

SUBTASK 25-11-00-210-001

- (1) Do a visual check of the restraint harness straps:
 - (a) Make sure that the straps are not damaged.
 - 1) Look for loose stitching, cuts, tears, fraying, and discoloration.

SUBTASK 25-11-00-210-002

- (2) Do a visual check of the restraint harness fittings:
 - (a) Make sure that the fittings are not bent, loose, or corroded.

SUBTASK 25-11-00-210-003

- (3) Do a visual check of the restraint harness securing hardware:
 - (a) Make sure that the securing hardware is not bent, loose, or corroded.

————— **END OF TASK** —————

TASK 25-11-00-200-801

3. Captain's, First Officer's, and Observer's Seat Operational Harness Check

- A. General
 - (1) This procedure is a scheduled maintenance task.
- B. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

C. Procedure

SUBTASK 25-11-00-200-001

- (1) Do a test of the restraint harness:
 - (a) Make sure the shoulder harness control is in the unlocked position.
 - (b) Install the lap belt, crotch strap and shoulder harness and fitting in the rotary buckle.

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- 1) Make sure the fittings are positively locked in the rotary buckle.
- 2) Make sure there is a positive lock by pulling on each strap.
- (c) Turn the rotary buckle handle.
 - 1) Make sure the two shoulder straps, crotch strap and the inboard lap belt will release.
- (d) Pull to apply a sharp forward jerk on one shoulder strap.
 - 1) Make sure the strap locks.
- (e) Release the pressure on the strap.
 - 1) Make sure the strap unlocks.
- (f) Pull to apply a sharp forward jerk on the other shoulder strap.
 - 1) Make sure the strap locks.
- (g) Release the pressure on the strap.
 - 1) Make sure the strap unlocks.
- (h) Pull one shoulder strap slowly out of the seat back as far as possible.
 - 1) Make sure there is no sign of chafing or binding.
- (i) Release the strap.
 - 1) Make sure the strap retracts fully in the seat back.
- (j) Pull the other shoulder strap slowly out of the seat back as far as possible.
 - 1) Make sure there is no sign of chafing or binding.
- (k) Release the strap.
 - 1) Make sure the strap retracts fully in the seat back.
- (l) Pull one of the shoulder straps slowly out of the seat back as far as possible.
- (m) Move the shoulder harness control to the locked position.
- (n) Release the shoulder strap until it retracts approximately two inches at a time, until it is fully retracted.
 - 1) At each stage, pull on the shoulder to make sure the strap locks.
- (o) Move the shoulder harness control to the unlocked position.
- (p) Pull the other shoulder strap slowly out of the seat back as far as possible.
- (q) Move the shoulder harness control to the locked position.
- (r) Release the shoulder strap until it retracts approximately two inches at a time until it is fully retracted.
 - 1) At each stage, pull on the shoulder strap to make sure the strap locks.
- (s) Put the shoulder harness control in the unlocked position.

————— **END OF TASK** —————

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CAPTAIN'S AND FIRST OFFICER'S SEAT - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) A removal of the Captain's and First Officer's Seats,
- (2) An installation of the Captain's and First Officer's Seats.

B. Use this procedure to remove and install the Captain's seat or the First Officer's seat.

TASK 25-11-01-000-801

2. Captain's and First Officer's Seat Removal

(Figure 401)

A. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

B. Procedure

SUBTASK 25-11-01-010-001

- (1) Move the seat to its fully aft and outboard position.

NOTE: Pull up on the horizontal control handle [2] to move the seat.

SUBTASK 25-11-01-030-001

- (2) Remove the stops [9] from the front of the seat tracks.

SUBTASK 25-11-01-020-001

- (3) Move the seat forward until the rollers are free from the tracks.

SUBTASK 25-11-01-020-002

- (4) Lift the seat and remove it from the airplane.

END OF TASK

TASK 25-11-01-400-801

3. Captain's and First Officer's Seat Installation

(Figure 401)

A. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

B. Procedure

SUBTASK 25-11-01-020-003

- (1) If the stops [9] are installed on the front ends of the seat tracks, remove them.

SUBTASK 25-11-01-410-001

- (2) Put the seat immediately forward of the seat tracks.

SUBTASK 25-11-01-420-001

- (3) Align the roller assemblies [3] with the seat tracks. The single tapered roller [5] must be on the INBOARD SIDE of the track.

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SUBTASK 25-11-01-430-001

- (4) Engage the front and rear roller assemblies [3] with the seat tracks.

SUBTASK 25-11-01-430-002

- (5) Move the seat aft and release control handle.

SUBTASK 25-11-01-430-003

- (6) Pull horizontal control handle [2] up and aft to lift lock pins.

NOTE: Handle is located on the inboard aft side of seat.

SUBTASK 25-11-01-430-004

- (7) Install the stops [9] on the seat tracks.

SUBTASK 25-11-01-700-001

- (8) AIRPLANES WITH ADJUSTABLE BOGIE;

Tighten the adjustment nut [4] of the tapered rollers [5] so that the roller lightly touches the inboard rail.

SUBTASK 25-11-01-710-001

- (9) Do this operational check for the movement of the seat.

- (a) While you are on the seat, operate the horizontal control handle [2] and move the seat forward and aft through its full range of the travel.
- (b) Make sure the seat moves freely forward and aft along the seat tracks through its full range of movement.
- (c) Operate the seat and release the control lever.
- (d) Make sure the seat locks in position.

SUBTASK 25-11-01-400-001

WARNING: MAKE SURE THAT THE LOCK PIN FULLY ENGAGES AT EACH SEAT TRACK LOCK POSITION. UNLOCKED SEATS CAN MOVE AND CAUSE INJURIES TO PERSONNEL AND DAMAGE TO EQUIPMENT.

- (10) Make sure the seat track lock pin is fully engaged in all seat track positions.

- (a) Make sure seat track lock pin fully engages in all seat track lock positions, positions are engaged from the farthest forward position to the farthest aft position on the straight section of the seat tracks
- (b) Make sure seat track lock positions are engaged in the parked position.

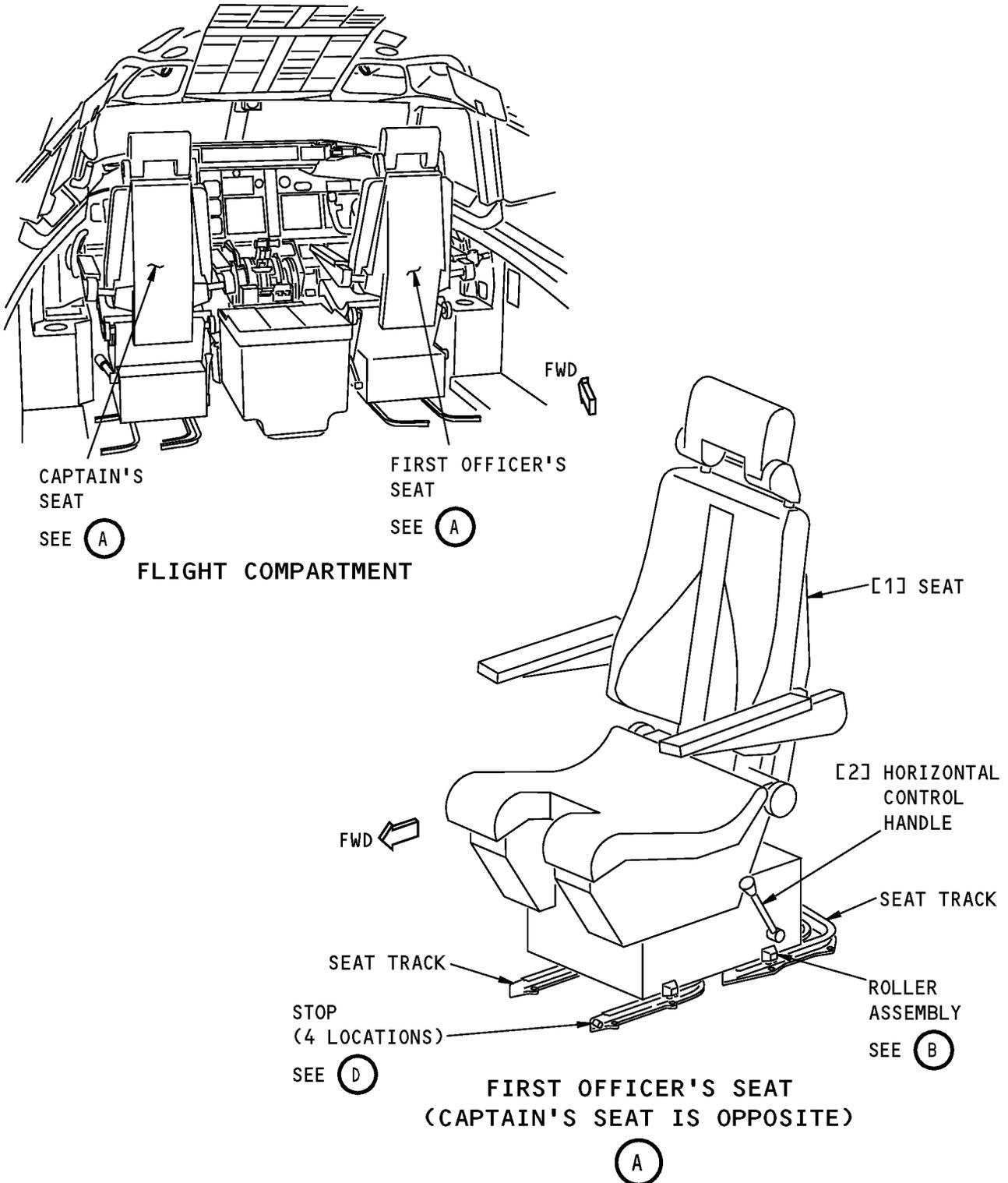
————— END OF TASK —————

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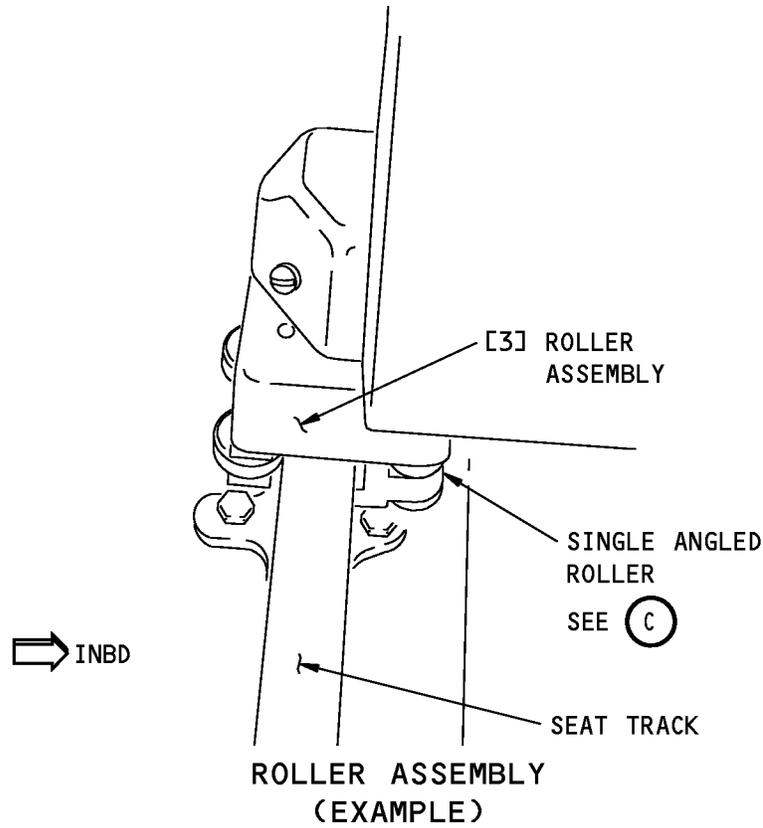


Captain's and First Officer's Seat Installation
Figure 401 (Sheet 1 of 3)/25-11-01-990-801

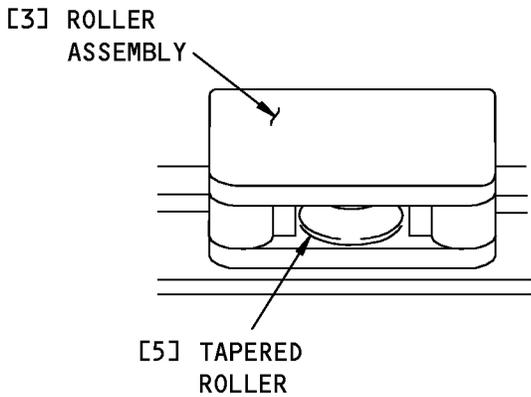
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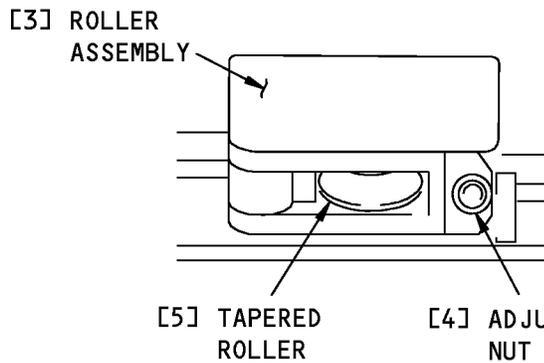


(B)



SINGLE FIXED ANGLED ROLLER

(C) 1



SINGLE ADJUSTABLE ANGLED ROLLER

(C) 2

1 AIRPLANES WITH FIXED ROLLER

2 AIRPLANES WITH ADJUSTABLE ROLLER

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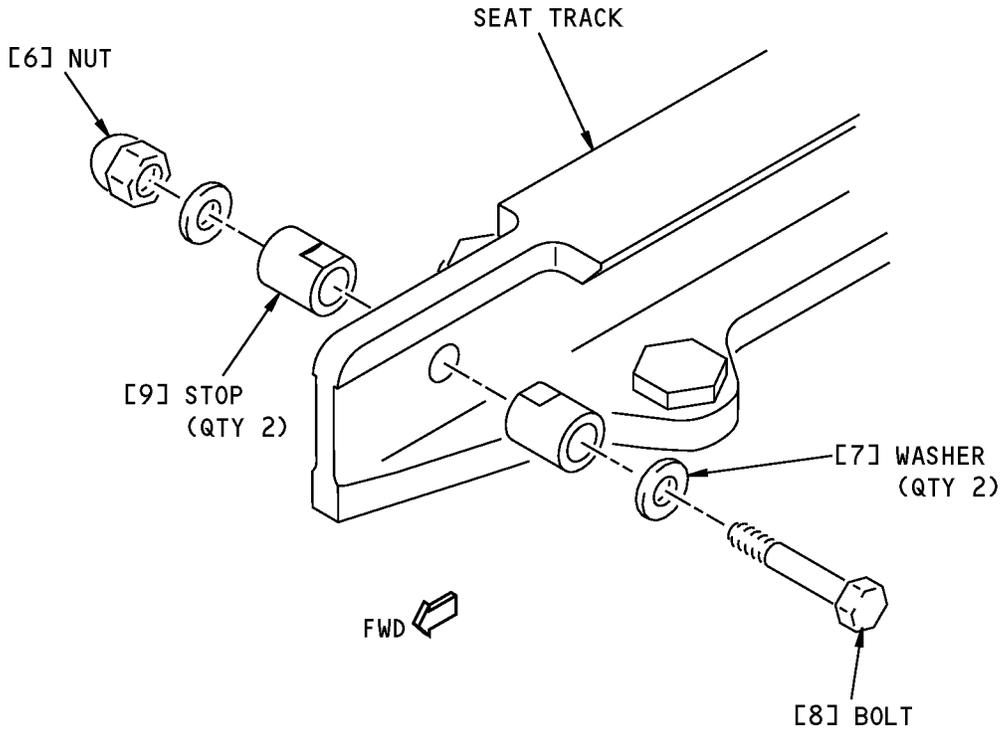
**Captain's and First Officer's Seat Installation
Figure 401 (Sheet 2 of 3)/25-11-01-990-801**

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STOP
(EXAMPLE)



**Captain's and First Officer's Seat Installation
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AIRCRAFT MAINTENANCE MANUAL

OBSERVER'S SEAT - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) A removal of the First Observer's Seat,
- (2) An installation of the First Observer's Seat,
- (3) A removal of the Second Observer's Seat,
- (4) An installation of the Second Observer's Seat.

TASK 25-11-02-000-801

2. First Observer's Seat Removal

(Figure 401)

A. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

B. Procedure

SUBTASK 25-11-02-030-001

- (1) Remove the screws [21] that attach the seat to the seat structure.

SUBTASK 25-11-02-020-001

- (2) Remove the seat.

————— END OF TASK —————

TASK 25-11-02-400-801

3. First Observer's Seat Installation

(Figure 401)

A. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

B. Procedure

SUBTASK 25-11-02-400-001

- (1) Put the seat on the seat structure and align the screw holes.

SUBTASK 25-11-02-430-001

- (2) Install the screws [21] into the seat bottom and frame.

SUBTASK 25-11-02-700-001

- (3) Open the seat and make sure it engages the shoulder fittings [24] correctly.
 - (a) If the distance between the two shoulder fittings [24] is not 21.44 ± 0.06 in. (54.46 ± 0.15 cm), then remove or install shims [25] adjacent to the shoulder fittings.

NOTE: The shims [25] are not installed on all airplanes.

————— END OF TASK —————

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TASK 25-11-02-000-802

4. Second Observer's Seat Removal

(Figure 401)

A. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

B. Procedure

SUBTASK 25-11-02-030-002

- (1) Remove the screws [22] that attach the seat bottom to the seat structure.

SUBTASK 25-11-02-020-002

- (2) Remove the seat bottom.

SUBTASK 25-11-02-030-003

- (3) Pull on the seat back and headrest to remove them. They are attached with hook and loop fasteners (Velcro).

————— **END OF TASK** —————

TASK 25-11-02-400-802

5. Second Observer's Seat Installation

(Figure 401)

A. Consumable Materials

Reference	Description	Specification
G02360	Tape - Hook/Loop Fastener (Polypropylene Hook & Nylon Loop)	BMS 8-285, Type IV

B. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

C. Procedure

SUBTASK 25-11-02-400-002

- (1) Align the bottom seat with the attachment holes and install the screws [22].

SUBTASK 25-11-02-400-003

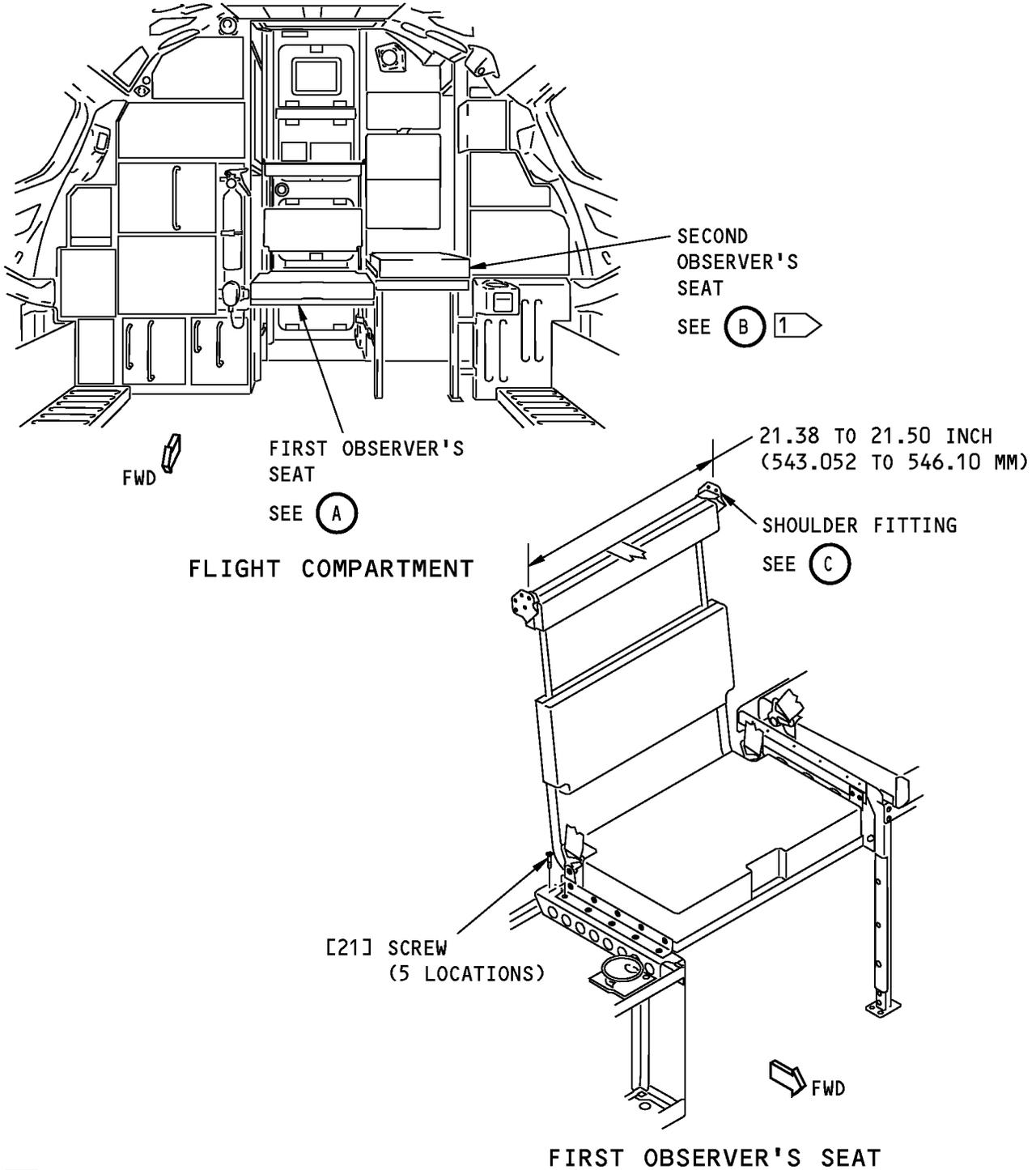
- (2) Align the head rest and back cushions and push them against the bulkhead to engage the tape, G02360.

————— **END OF TASK** —————

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1 AIRPLANES WITH THE SECOND OBSERVER'S SEAT.

(A)

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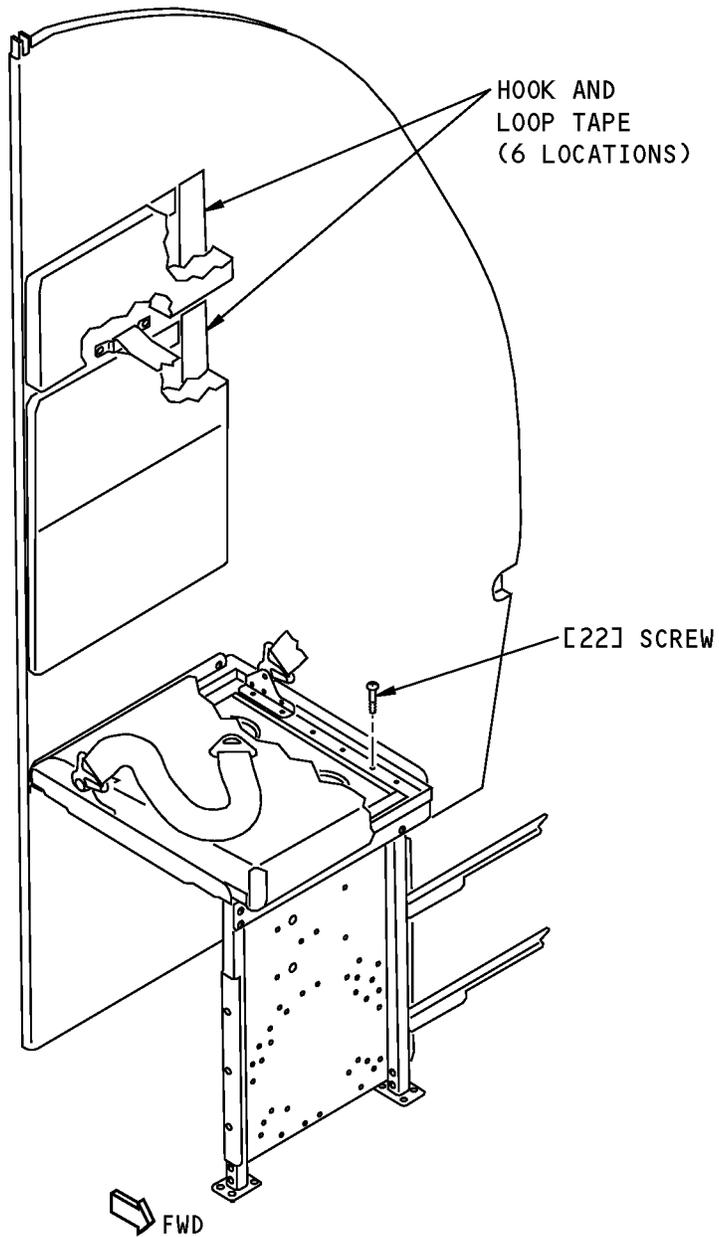
**Observer's Seat Installation
Figure 401 (Sheet 1 of 4)/25-11-02-990-801**

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SECOND OBSERVER'S SEAT

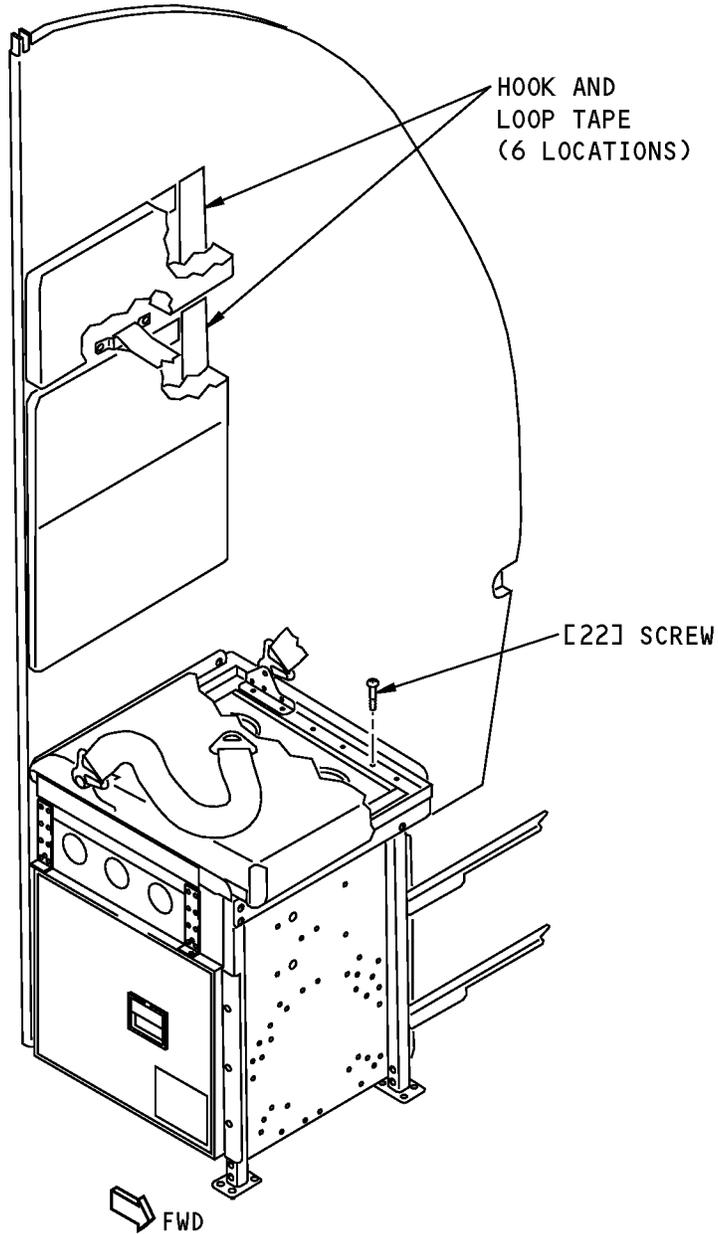
1 AIRPLANES WITH THE SECOND
OBSERVER'S SEAT.

B **1**

**Observer's Seat Installation
Figure 401 (Sheet 2 of 4)/25-11-02-990-801**

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**SECOND OBSERVER'S SEAT
STOWAGE DRAWER**

B

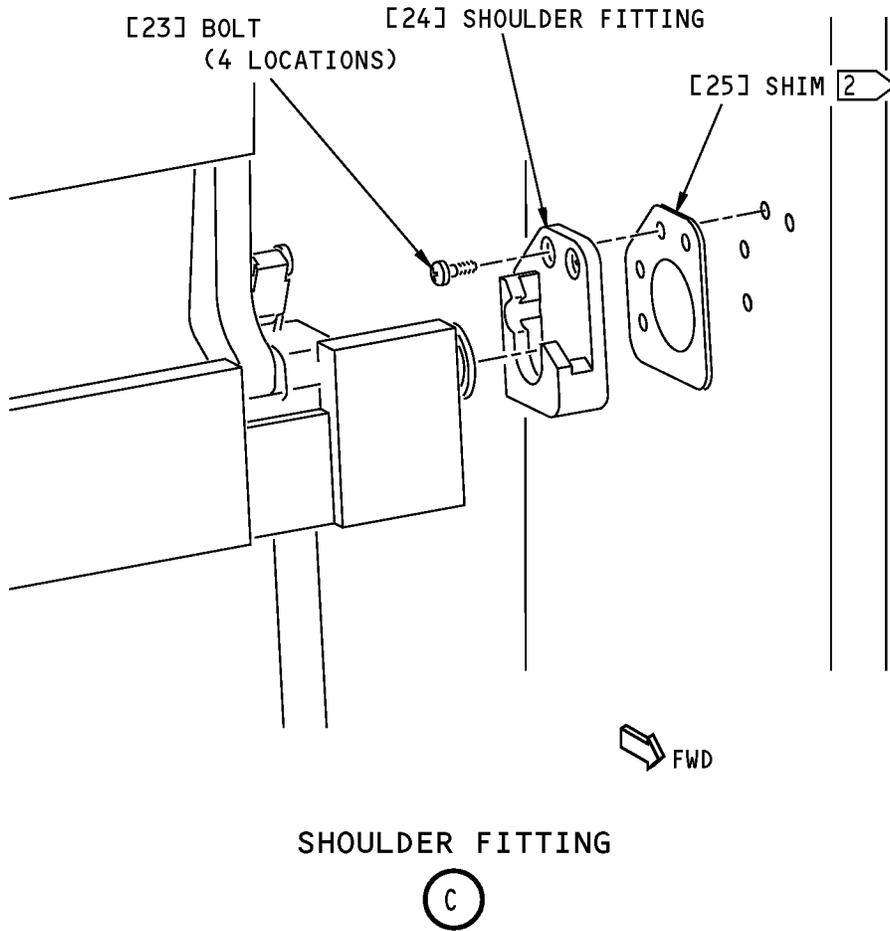
**Observer's Seat Installation
Figure 401 (Sheet 3 of 4)/25-11-02-990-801**

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2 NOT INSTALLED ON ALL AIRPLANES

**Observer's Seat Installation
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FLOOR-MOUNTED STOWAGE BOX - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) A removal of the floor-mounted stowage box,
- (2) An installation of the floor-mounted stowage box.

TASK 25-11-03-000-801

2. Floor-Mounted Stowage Box Removal

(Figure 401)

A. Location Zones

Zone	Area
212	Flight Compartment - Right

B. Procedure

SUBTASK 25-11-03-010-001

- (1) Open the door of the stowage box [14].

SUBTASK 25-11-03-020-007

- (2) FOR DOCUMENT STOWAGE BOXES BEHIND THE FIRST OFFICER SEAT; remove the screws [23] and washers [22] that attach the stowage box [14] to the floor.
- (3) FOR DOCUMENT STOWAGE BOXES BEHIND THE CAPTAIN SEAT; remove the bolts [15], spacers [18] and washers [17].
 - (a) If applicable, remove the screw [19] and washers [20] that attach the stowage box [14] to the monument.

SUBTASK 25-11-03-020-002

- (4) Remove the stowage box [14].

————— END OF TASK —————

TASK 25-11-03-400-801

3. Floor-Mounted Stowage Box Installation

(Figure 401)

A. Location Zones

Zone	Area
212	Flight Compartment - Right

B. Procedure

SUBTASK 25-11-03-010-002

- (1) Open the door of the stowage box [14].

SUBTASK 25-11-03-420-001

- (2) Put the stowage box [14] on the floor to align with the floor attach points .

SUBTASK 25-11-03-420-005

- (3) FOR DOCUMENT STOWAGE BOXES BEHIND THE FIRST OFFICER SEAT; install the washers [22] and screws [23] that attach the stowage box [14] to the floor.
- (4) FOR DOCUMENT STOWAGE BOXES BEHIND THE CAPTAIN SEAT; install the washers [17], spacers [18] and bolts [15] that attach the stowage box to the raceway.

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- (a) If applicable, install the washers [20] and screw [19] that attach the stowage box [14] to the monument.

SUBTASK 25-11-03-410-001

- (5) Close the door of the stowage box [14].

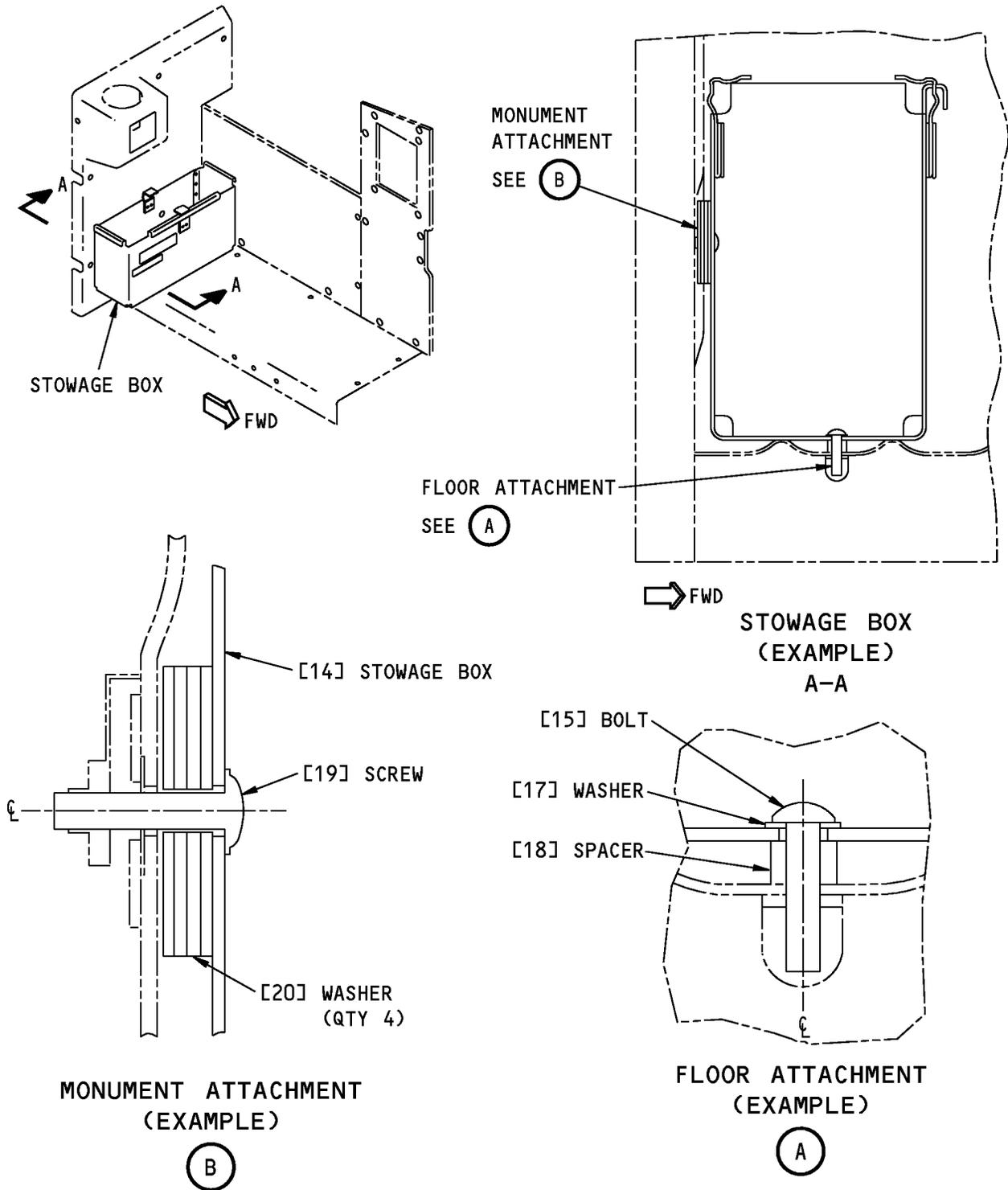
END OF TASK

EFFECTIVITY
HAP 031-054, 101-999

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25-11-03

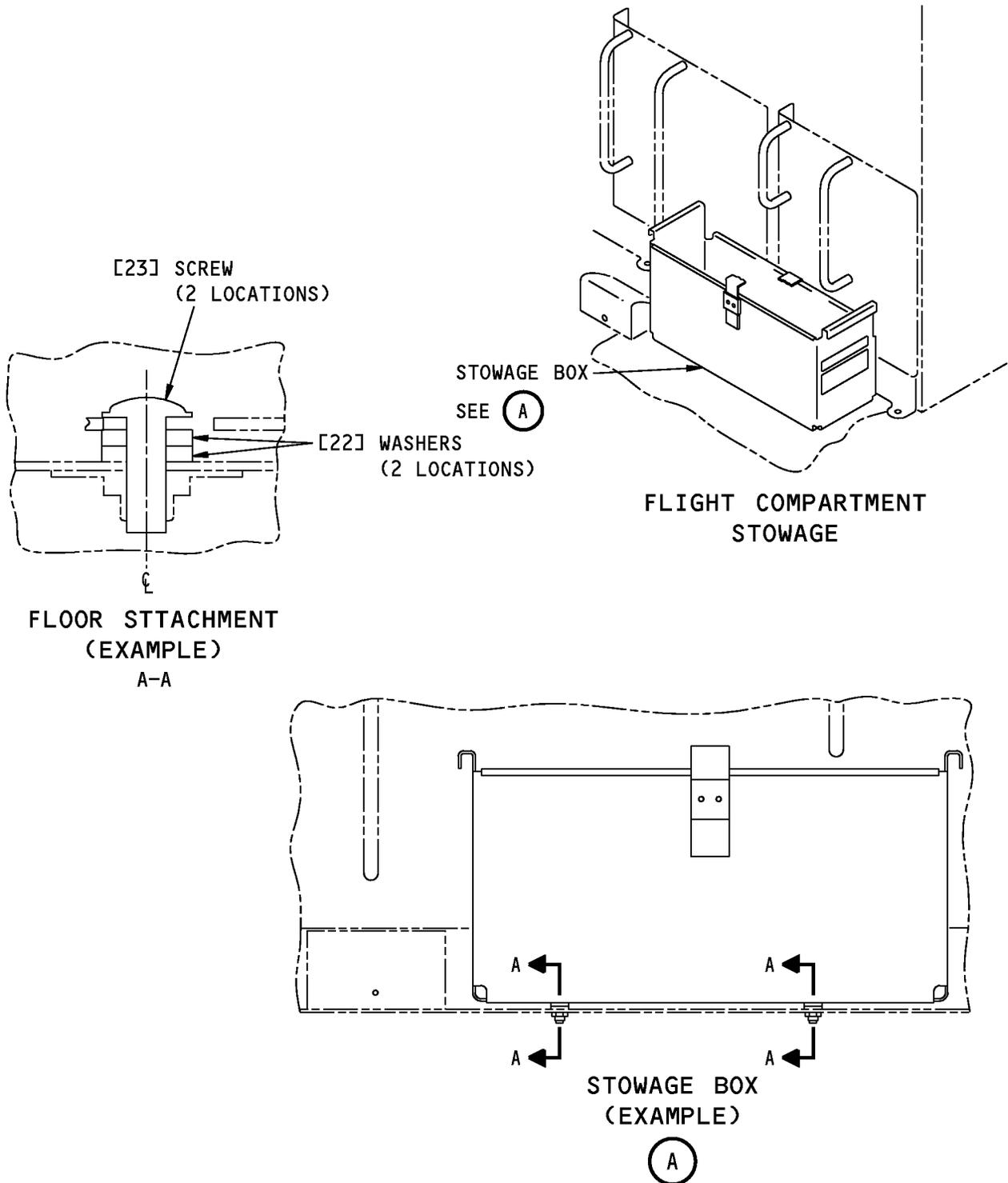
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Floor-Mounted Stowage Box
Figure 401 (Sheet 1 of 2)/25-11-03-990-801

EFFECTIVITY
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25-11-03



Floor-Mounted Storage Box
Figure 401 (Sheet 2 of 2)/25-11-03-990-801

EFFECTIVITY
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AIRCRAFT MAINTENANCE MANUAL

FLIGHT COMPARTMENT SEAT TRACKS - INSPECTION/CHECK

1. General

- A. This procedure contains scheduled maintenance task data.
B. This procedure contains two tasks:
(1) Seat Track Wear Inspection,
(2) Seat Track Alignment Check.

TASK 25-11-11-200-801

2. Seat Track Wear Inspection

(Figure 601, Figure 602)

A. General

- (1) This procedure is a scheduled maintenance task.
(2) There are two conditions during which the seat track can become worn:
(a) Condition 1:
1) The lock pin rubs on the surface of the seat track while the seat is adjusted.
(b) Condition 2:
1) The lock hole becomes larger when the locking pin hits the edge of the lock hole too many times when the seat is adjusted.
(3) The seat track is in good condition when:
(a) The maximum depth of a groove on the surface of the seat track is not more than 0.065 in. (1.651 mm) for Condition 1.
(b) The lock hole is not larger than 0.30 in. (7.62 mm) in diameter at a depth of 0.1 in. (2.54 mm) for the Condition 2.

B. Tools/Equipment

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt:", which stands for Optional.

Table with 2 columns: Reference, Description. Contains entries for SPL-1638 and SPL-3894 with detailed descriptions of inspection gauges.

C. Location Zones

Table with 2 columns: Zone, Area. Lists zones 211 (Flight Compartment - Left) and 212 (Flight Compartment - Right).

D. Procedure

SUBTASK 25-11-11-200-001

- (1) To do a check on the surface of the seat track, do the steps that follow:

Box containing EFFECTIVITY HAP ALL and D633A101-HAP

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- (a) Put the point of the inspection gauge, SPL-3894, in a groove that is on the surface of the seat track.

NOTE: The gauge, SPL-3894 Kit consists of the gauge, SPL-1638 and gauge, SPL-3894. Use the gauge, SPL-1638 for the IPECO seat track. Use the gauge, SPL-3894 for the WEBER seat track.

- (b) If the protrusion touches the surface of the seat track, replace the seat track.

SUBTASK 25-11-11-200-002

- (2) To do a check of the lock hole, do the steps that follow:

- (a) Put the protrusion of the inspection gage gauge, SPL-3894, in the lock hole.

NOTE: The gauge, SPL-3894 Kit consists of the gauge, SPL-1638 and gauge, SPL-3894. Use the gauge, SPL-1638 for the IPECO seat track. Use the gauge, SPL-3894 for the WEBER seat track.

- (b) If the bottom of the inspection gage touches the surface of the seat track, replace the seat track.

————— **END OF TASK** —————

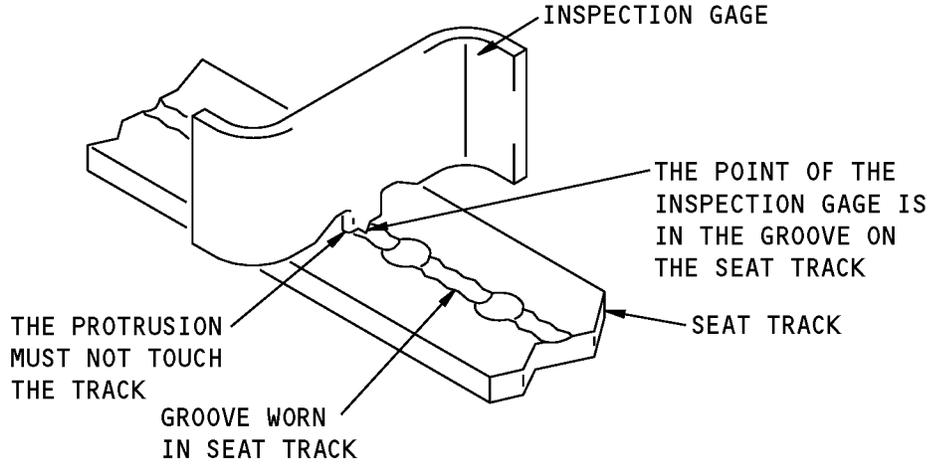
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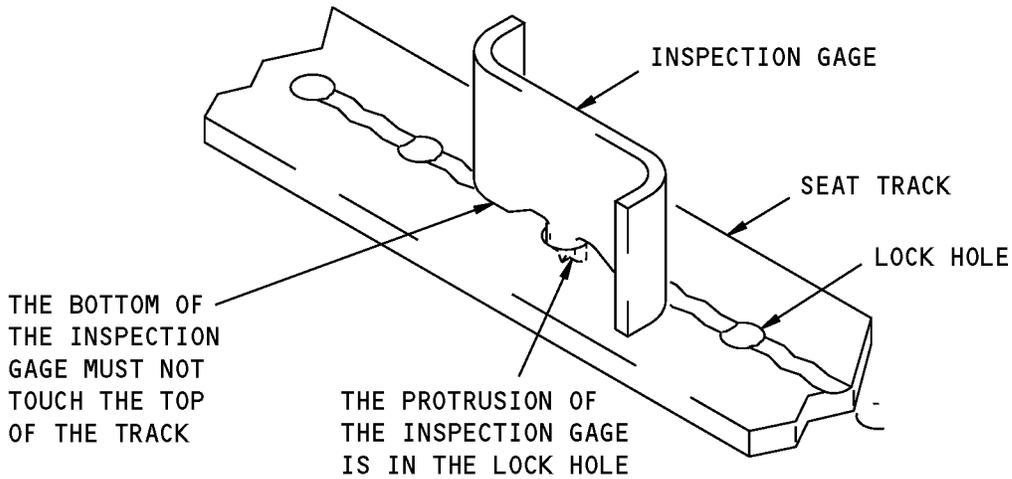
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INSPECTION ON THE SURFACE OF THE SEAT TRACK



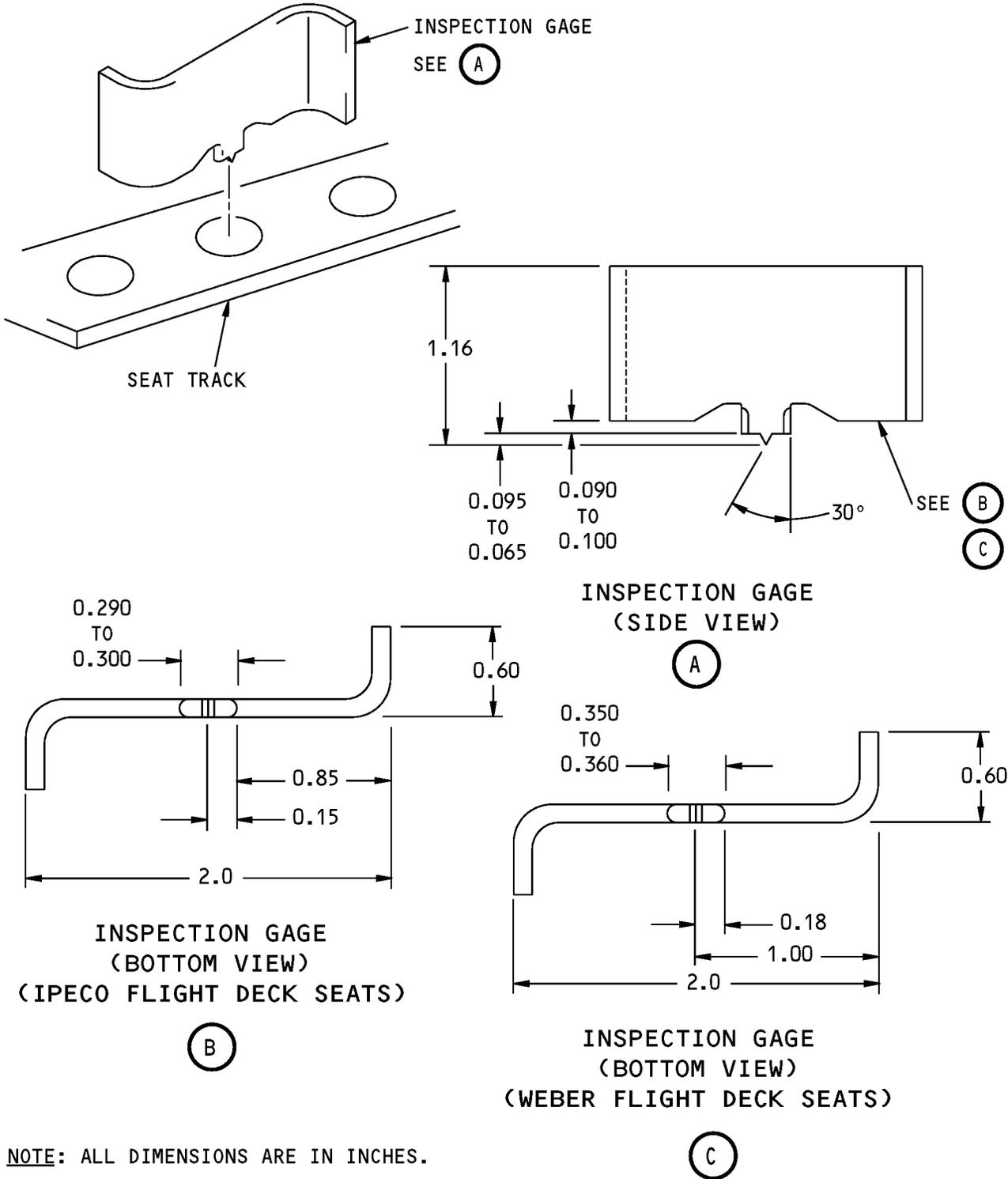
INSPECTION OF THE LOCK HOLE

**Seat Track Inspection
Figure 601/25-11-11-990-801**

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**Seat Track Inspection Gage
Figure 602/25-11-11-990-802**

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TASK 25-11-11-400-801

3. Flight Compartment Seat Tracks - Installation and Alignment

(Figure 601, Figure 602)

A. References

Reference	Title
25-11-01-000-801	Captain's and First Officer's Seat Removal (P/B 401)

B. Tools/Equipment

NOTE: When more than one tool part number is listed under the same "Reference" number, the tools shown are alternates to each other within the same airplane series. Tool part numbers that are replaced or non-procurable are preceded by "Opt:", which stands for Optional.

Reference	Description
COM-1644	Fixture - Track Setting (Part #: 0T900-0247, Supplier: K9075, A/P Effectivity: 737-600, -700, -700C, -700ER, -700QC, -800, -900, -900ER, -BBJ)

C. Location Zones

Zone	Area
210	Subzone - Control Compartment - Body Station 178.00 to Body Station 259.50
211	Flight Compartment - Left
212	Flight Compartment - Right

D. Procedure

SUBTASK 25-11-11-010-001

- (1) Do this task: Captain's and First Officer's Seat Removal, TASK 25-11-01-000-801.

SUBTASK 25-11-11-400-001

- (2) Mount the tracks in the proper positions.

NOTE: Do not tighten the bolts.

SUBTASK 25-11-11-280-001

- (3) Do these steps to align the seat tracks:

- (a) Remove any "stops" that extend above the top surface of the seat tracks.
- (b) Put the fixture, COM-1644, over the seat tracks.
- (c) Make sure the fixture, COM-1644, goes easily into the tracks.

NOTE: The seat tracks are correctly aligned if all eight pins of the fixture, COM-1644, engage in the holes on the top surface of each seat track when you apply only light downward pressure.

- (d) If the fixture, COM-1644, does not go easily into the seat tracks, loosen all of the bolts in the seat tracks.

SUBTASK 25-11-11-480-001

- (4) Put the fixture, COM-1644, over the seat tracks.

SUBTASK 25-11-11-420-001

- (5) Apply a slight downward pressure.

NOTE: The locating pins of the fixture, COM-1644, should fully engage in the holes in the top surface of each track.

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SUBTASK 25-11-11-420-002

(6) Tighten the seat track bolts that you can get access to.

SUBTASK 25-11-11-000-001

(7) Remove the fixture, COM-1644.

SUBTASK 25-11-11-420-003

(8) Tighten all the seat track bolts.

————— **END OF TASK** —————

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FLIGHT COMPARTMENT PANELS - MAINTENANCE PRACTICES

1. General

A. This procedure has these tasks:

- (1) Flight Compartment Forward Ceiling Panel Removal,
- (2) Flight Compartment Forward Ceiling Panel Installation,
- (3) Flight Compartment Dripshield Removal,
- (4) Flight Compartment Dripshield Installation.
- (5) Flight Compartment Sunvisor Adjustment and Test

HAP 031-054, 101-999

- (6) Roller Sunshade Removal
- (7) Roller Sunshade Installation

HAP ALL

TASK 25-11-21-000-801

2. Flight Compartment Forward Ceiling Panel Removal

(Figure 201)

A. General

- (1) The forward ceiling panels in the flight compartment (the panels to the left and right of the circuit breaker panel) have two screws under the upper lining for the No. 3 window. Thus, you must remove the lining from the No. 3 window before you can remove the overhead panel.

B. References

Reference	Title
25-61-10-000-801	Flight Compartment Escape Rope Removal (P/B 201)

C. Location Zones

Zone	Area
210	Subzone - Control Compartment - Body Station 178.00 to Body Station 259.50
211	Flight Compartment - Left
212	Flight Compartment - Right

D. Procedure

SUBTASK 25-11-21-020-009

- (1) Do these steps to remove the closure panels [2] and [4]:
 - (a) Remove the two screws [3].
 - (b) Remove the upper closure panel [2].

NOTE: The closure panels are attached with the hook-and-loop fasteners (Velcro).

- (c) Remove the lower closure panel [4].

SUBTASK 25-11-21-020-010

- (2) Do these steps to remove the lower lining [5] for window No. 3:
 - (a) Disconnect the electrical wire [6].
 - (b) Remove the screws.

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- (c) Move the lower lining [5] away from the wall until you can disconnect the electrical wiring from the back of the panel.
- (d) Remove the lower lining [5].

SUBTASK 25-11-21-020-011

- (3) Do these steps to remove the upper lining [7] for window No. 3:
 - (a) Remove the screws.
 - (b) Remove the upper lining [7].

SUBTASK 25-11-21-020-035

- (4) Do these steps to remove the sunvisor track [9]:
 - (a) Remove screws [8] and [10] from the sunvisor track.
 - (b) Remove the sunvisor track [9].

SUBTASK 25-11-21-020-036

- (5) Do these steps to remove the forward lining cover [11] for the window No. 1:
 - (a) Remove six screws [12] from the cover.
 - (b) Hang the forward lining cover [11] from the drain hoses.

SUBTASK 25-11-21-020-037

- (6) Do these steps to remove the eyebrow pad [14]:
 - (a) Remove the four screws [13] from the eyebrow pad.
 - (b) Remove the eyebrow pad [14].

SUBTASK 25-11-21-020-038

- (7) Do this task: Flight Compartment Escape Rope Removal, TASK 25-61-10-000-801.

SUBTASK 25-11-21-020-039

- (8) Do this step to remove the rubber trim strips [15] from the aft edge of the ceiling panel:

NOTE: The strips are attached to the ceiling panel edges with the hook-and-loop fasteners (Velcro).

- (a) On the left ceiling panel, also remove the trim pad [1] that is in the aft corner above the small stowage compartment. It is attached with the hook-and-loop fasteners.

SUBTASK 25-11-21-020-040

- (9) Do these steps to remove the ceiling panel [17]:
 - (a) Hold the ceiling panel [17] and remove the screws [16] from it.

NOTE: On the right ceiling panel, one of the screws is in the spare bulb compartment.
 - (b) Lower the ceiling panel [17] until you can disconnect the hoses and wiring.
 - 1) Disconnect the wire speakers.
 - 2) Disconnect the air hose(s).
 - (c) Remove the ceiling panel [17].

————— **END OF TASK** —————

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TASK 25-11-21-400-801

3. Flight Compartment Ceiling Panel Installation

(Figure 201)

A. References

Reference	Title
25-61-10-400-801	Flight Compartment Escape Rope Installation (P/B 201)

B. Location Zones

Zone	Area
210	Subzone - Control Compartment - Body Station 178.00 to Body Station 259.50
211	Flight Compartment - Left
212	Flight Compartment - Right

C. Procedure

SUBTASK 25-11-21-420-009

(1) Do these steps to install the ceiling panel [17]:

- (a) Attach the wire speakers.
- (b) Attach the air hose(s).
- (c) Put the ceiling panel [17] in its position.
- (d) Install the screws [16] that attach the ceiling panel to the airplane structure.

NOTE: On the right ceiling panel, one of the screw is in the spare bulb compartment.

SUBTASK 25-11-21-420-010

(2) Do this step to install the rubber trim strips [15] on the ceiling panel edges:

- (a) On the left ceiling panel, install the trim pad [1] that is in the aft corner above the small stowage compartment.

SUBTASK 25-11-21-420-011

(3) Do this task: Flight Compartment Escape Rope Installation, TASK 25-61-10-400-801.

SUBTASK 25-11-21-420-012

(4) Do these steps to install the eyebrow pad [14]:

- (a) Put the eyebrow pad [14] in its position.
- (b) Install the screws [13] that attach the eyebrow pad [14] to the ceiling.

SUBTASK 25-11-21-420-013

(5) Do these steps to install the forward lining cover [11] for the window No. 1:

- (a) Put the forward lining cover [11] in its position over the window No. 1.
- (b) Install the screws [12] that attach the forward lining cover to the airplane.

SUBTASK 25-11-21-420-014

(6) Do these steps to install the sunvisor track [9]:

- (a) Put the sunvisor track in its position.
- (b) Install the screws [8] and [10] that attach the sunvisor track to the airplane.

SUBTASK 25-11-21-420-033

(7) Do these steps to install the upper lining [7] for window No. 3.

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- (a) Put the upper lining [7] in its position.
- (b) Install the screws.

SUBTASK 25-11-21-420-034

- (8) Do these steps to install the lower lining [5] for window No. 3.
 - (a) Put the lower lining [5] in its position.
 - (b) Connect the electrical wiring to the back of the panel.
 - (c) Install the screws.
 - (d) Connect the electrical wire [6].

SUBTASK 25-11-21-420-035

- (9) Do these steps to install the closure panels [2] and [4]:
 - (a) Put the lower closure panel [4] in its position.
 - (b) Put the upper closure panel [2] in its position.
 - (c) Install the two screws [3].

SUBTASK 25-11-21-710-001

- (10) Do these operational checks:

HAP 037-054, 101-999

- (a) Make sure the oxygen system for the flight crew is pressurized.

HAP ALL

- (b) Make sure the SERVICE INTERPHONE switch on the pilot's overhead panel is in the OFF position.

HAP 037-054, 101-999

- (c) Set all audio control panels (ACPs) to these conditions:
 - 1) Push all audio monitor switches to OFF.
 - 2) Push the FLT microphone selector switch to ON.
 - a) Make sure its light comes on.
 - 3) Push the volume control for the FLT microphone selector switch.
 - a) Make sure its light comes on.
 - 4) Turn the volume control for the FLT microphone selector switch clockwise to the middle position.

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- (d) Set the captain's and first officer's ACPs to these conditions:
 - 1) Push the SPKR volume control switch to ON.
 - a) Make sure its light comes on.
 - 2) Turn the SPKR volume control switch clockwise to the middle position or to the volume level you are comfortable with.
- (e) Do a check of the flight crew speaker with the PTT switch on the hand microphone:
 - 1) Push and hold the PTT switch on the hand microphone at the opposite flight crew station.
 - 2) Speak into the hand microphone.
 - a) Make sure the voice is heard from the flight deck speaker.

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- 3) Release the PTT switch on the hand microphone.

————— **END OF TASK** —————

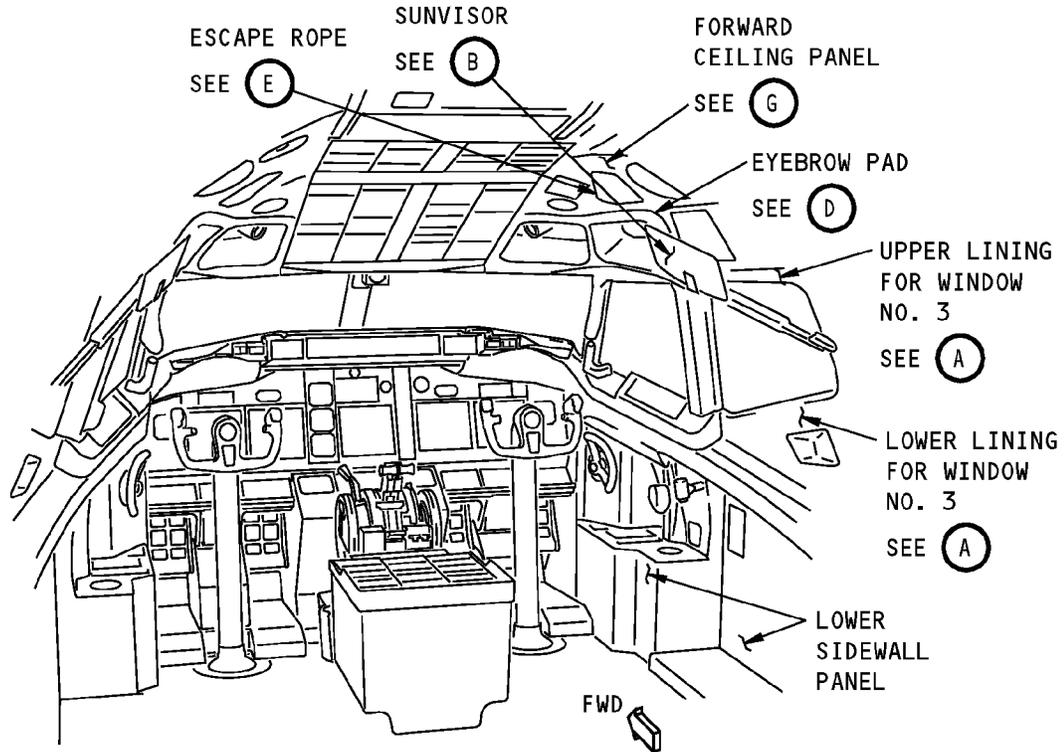
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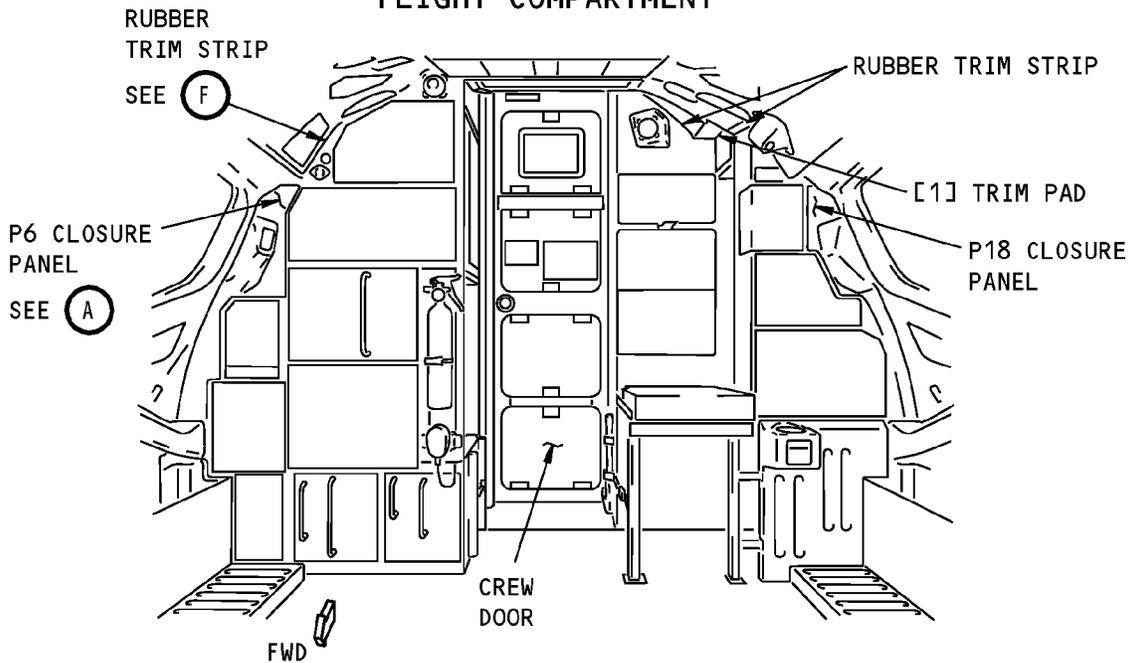
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FLIGHT COMPARTMENT

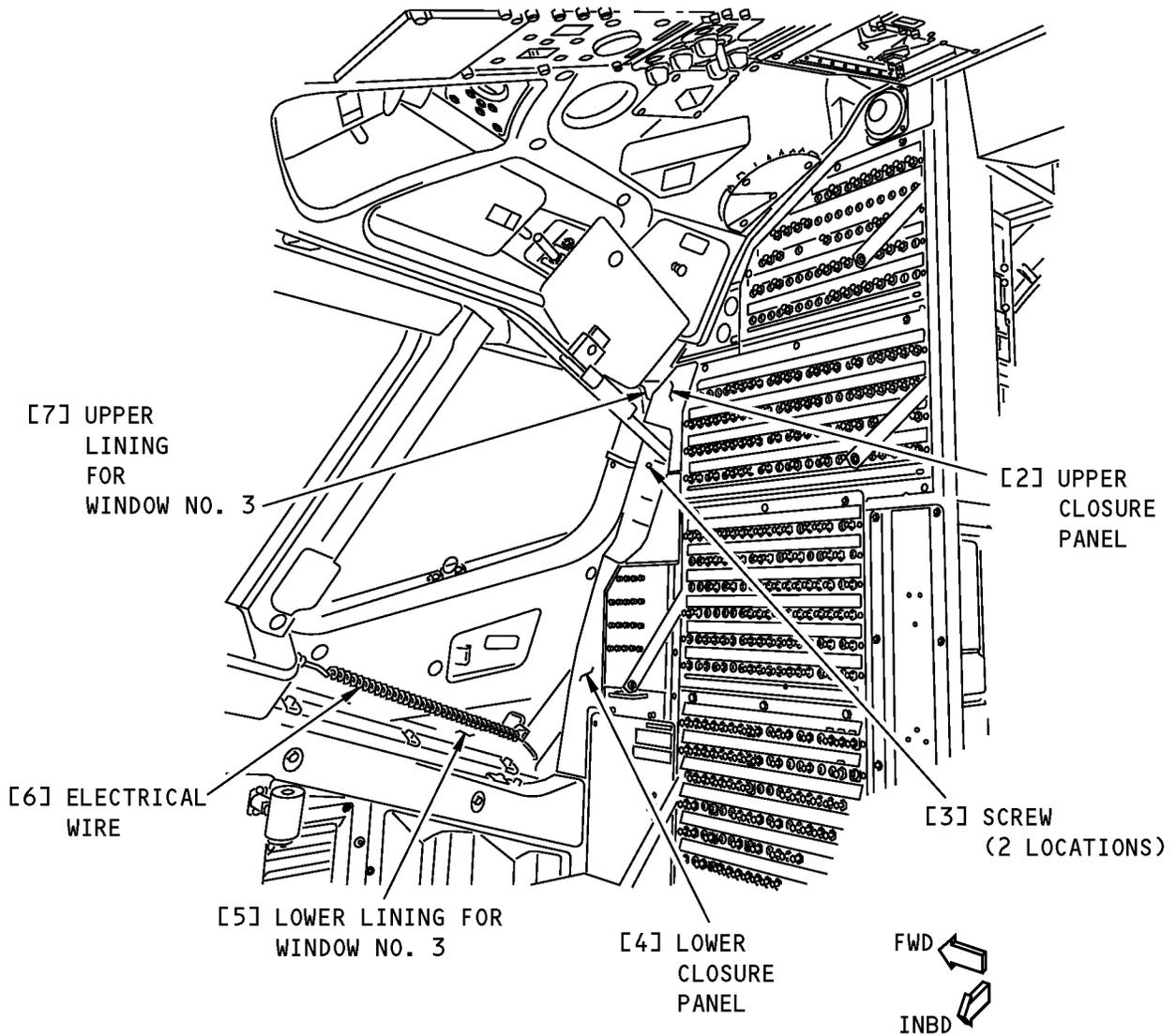


FLIGHT COMPARTMENT

Flight Compartment Forward Ceiling Installation
Figure 201 (Sheet 1 of 7)/25-11-21-990-804

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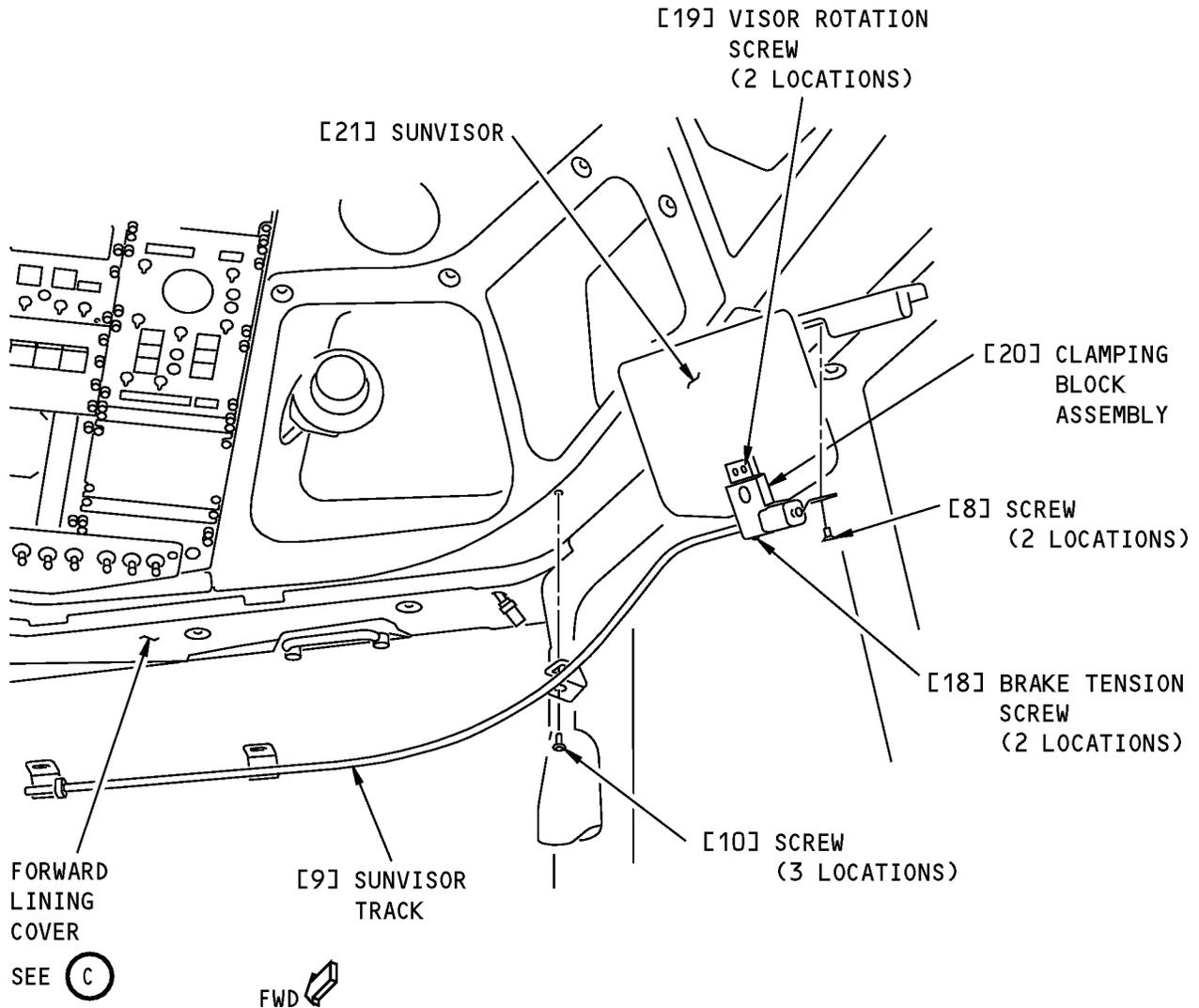
**CLOSURE AND WINDOW PANELS
(RIGHT SIDE IS SHOWN,
LEFT SIDE IS OPPOSITE)**

A

**Flight Compartment Forward Ceiling Installation
Figure 201 (Sheet 2 of 7)/25-11-21-990-804**

EFFECTIVITY
HAP ALL

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**SUNVISOR
(RIGHT SIDE IS SHOWN,
LEFT SIDE IS ALMOST THE SAME)**

(B)

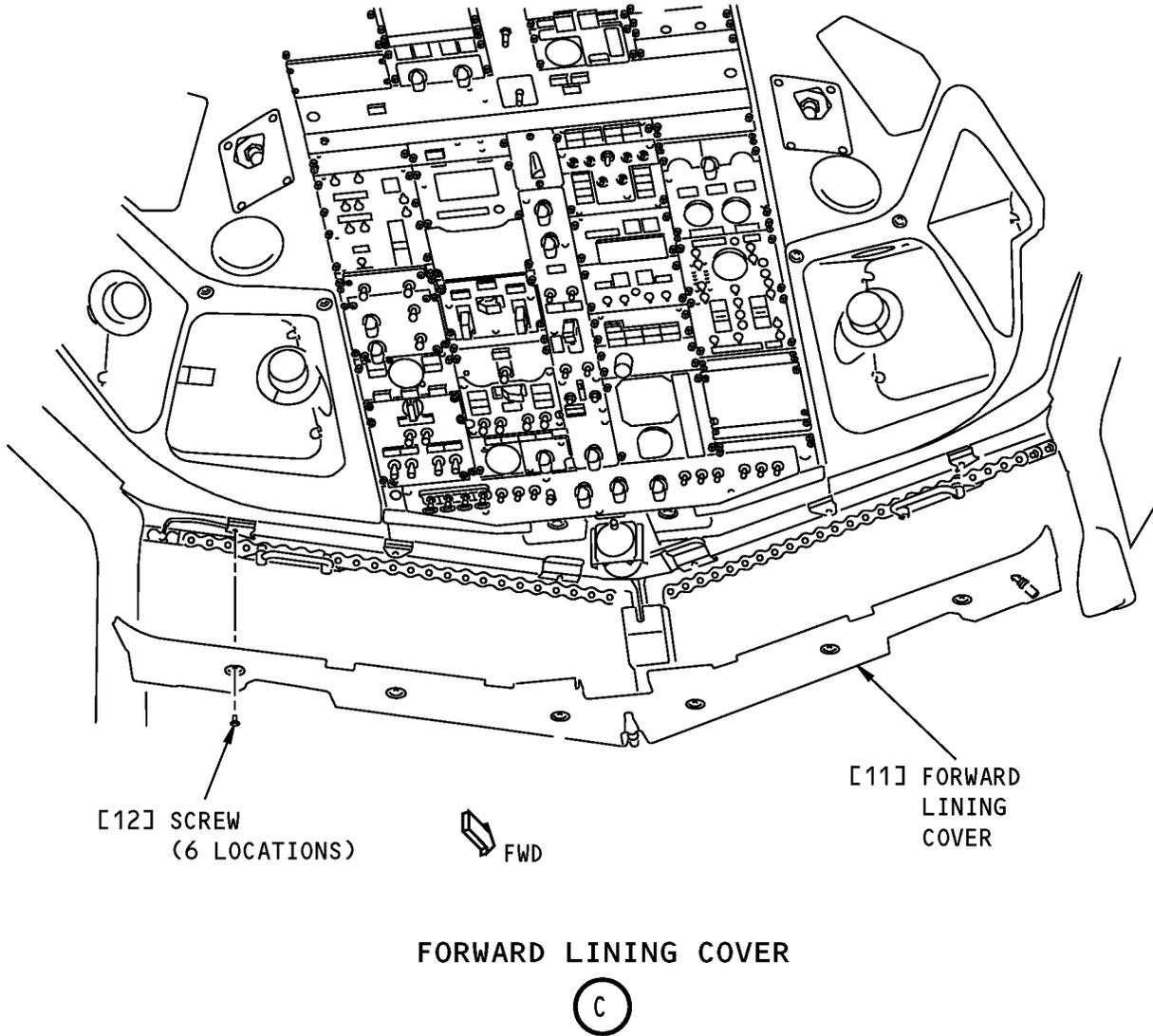
**Flight Compartment Forward Ceiling Installation
Figure 201 (Sheet 3 of 7)/25-11-21-990-804**

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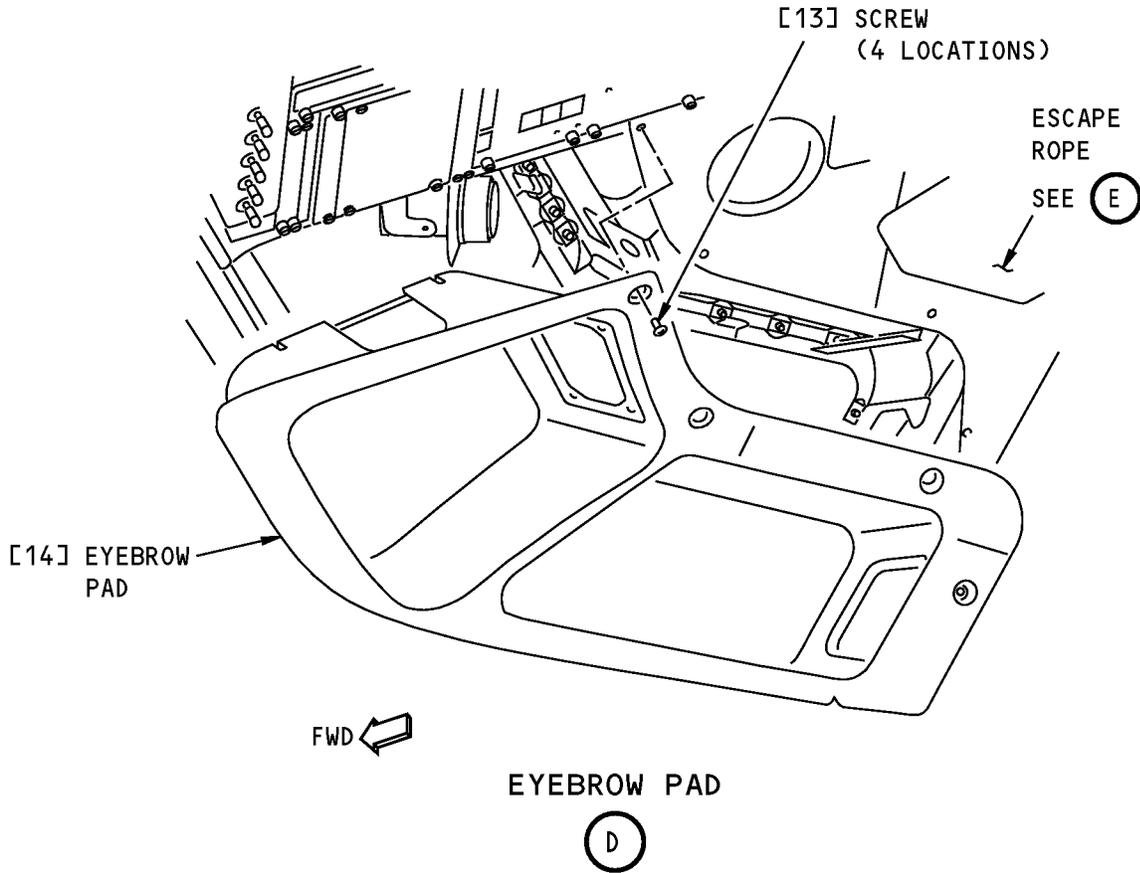
**Flight Compartment Forward Ceiling Installation
Figure 201 (Sheet 4 of 7)/25-11-21-990-804**

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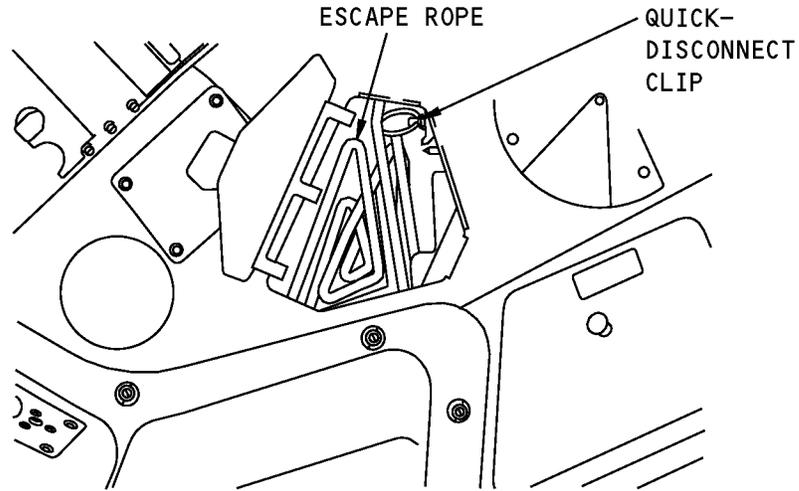


**Flight Compartment Forward Ceiling Installation
Figure 201 (Sheet 5 of 7)/25-11-21-990-804**

EFFECTIVITY
HAP ALL

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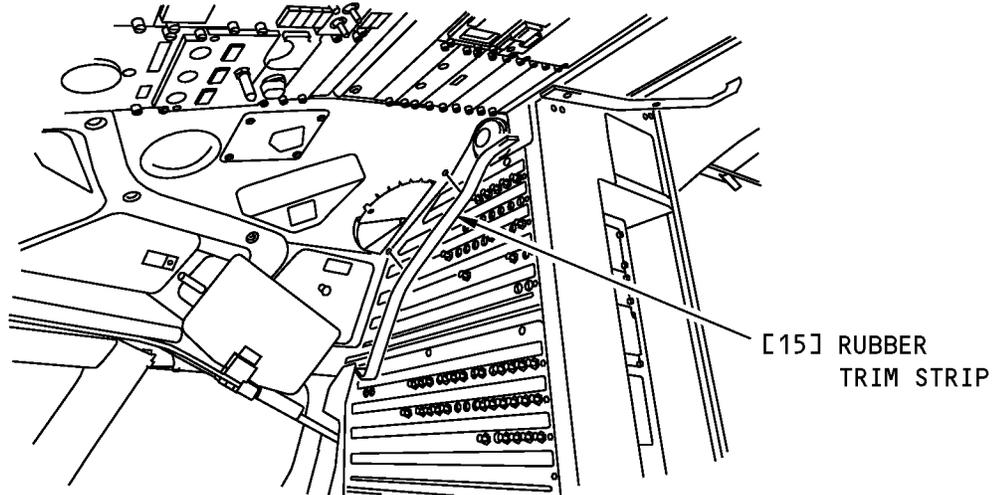
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ESCAPE ROPE
(RIGHT SIDE IS SHOWN,
LEFT SIDE IS ALMOST THE SAME)

FWD ←

(E)



RUBBER TRIM STRIP
(RIGHT SIDE IS SHOWN,
LEFT SIDE IS OPPOSITE)

FWD ←

(F)

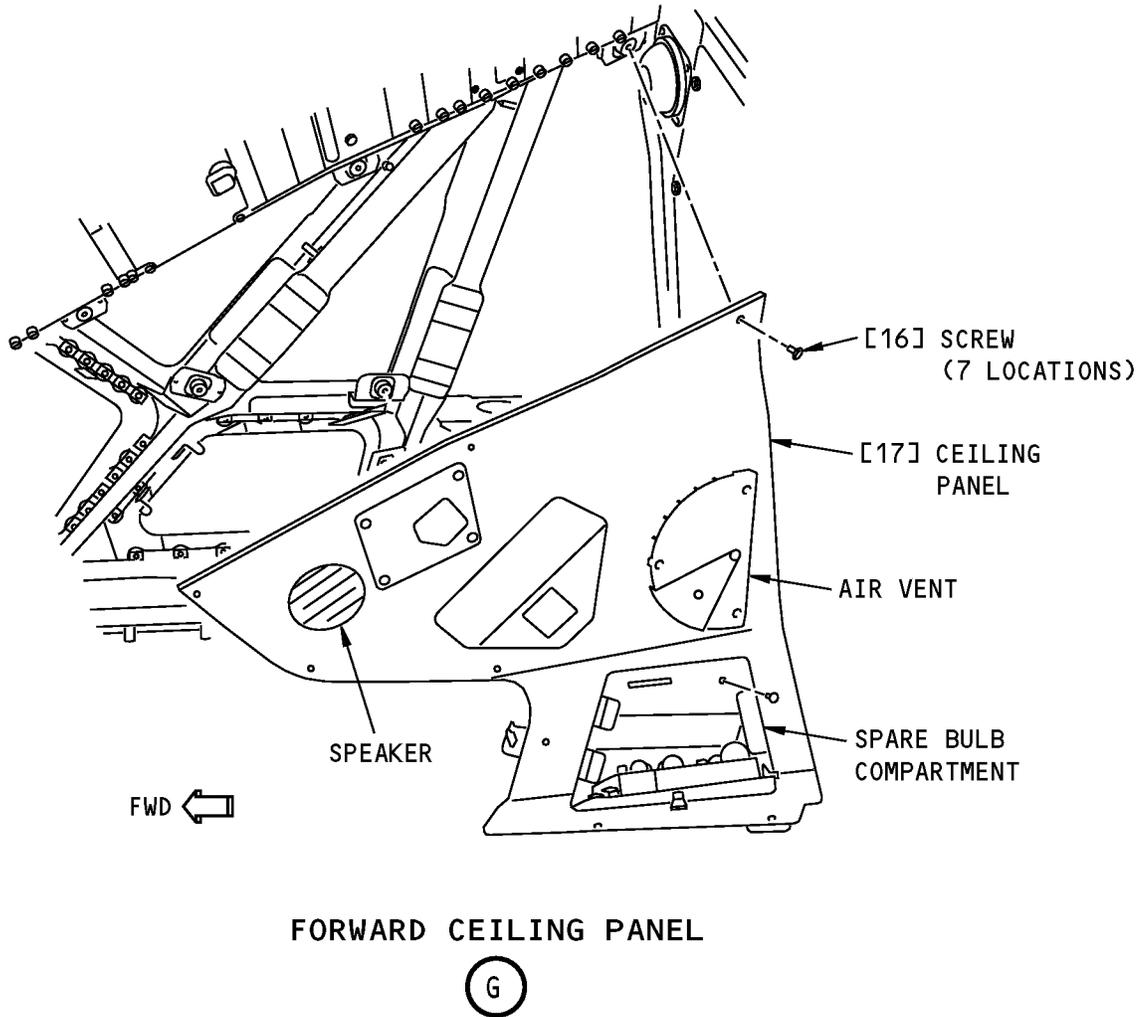
Flight Compartment Forward Ceiling Installation
Figure 201 (Sheet 6 of 7)/25-11-21-990-804

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**Flight Compartment Forward Ceiling Installation
Figure 201 (Sheet 7 of 7)/25-11-21-990-804**

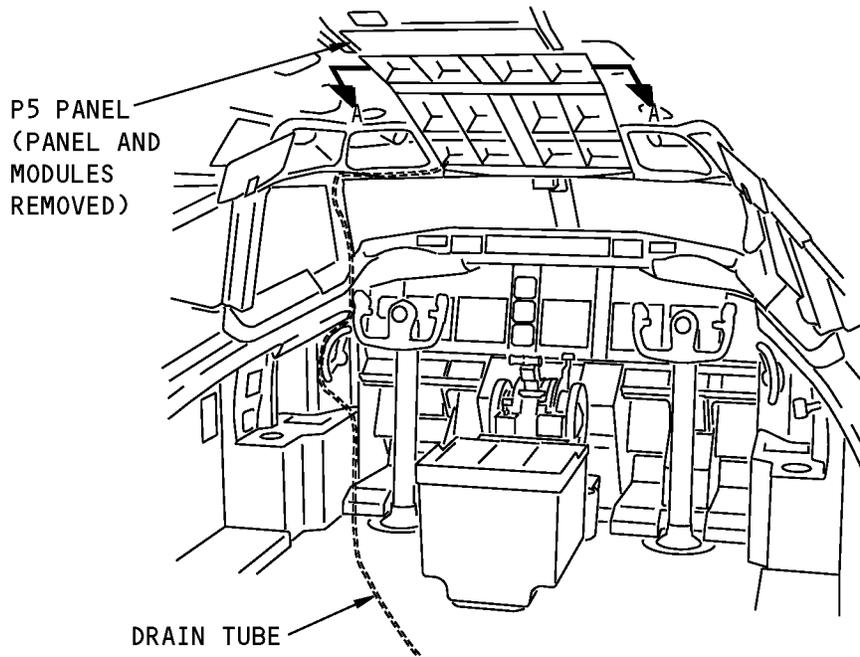
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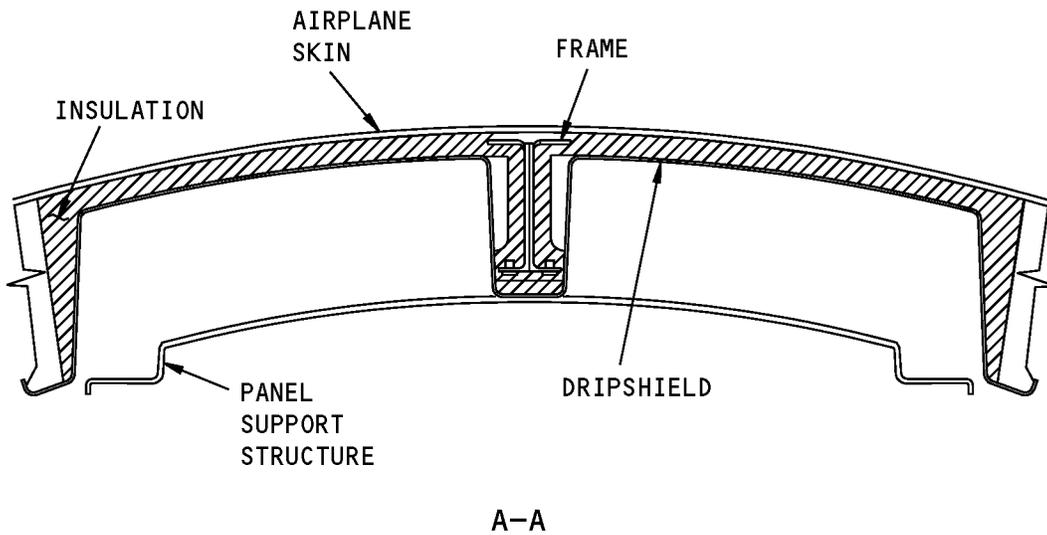
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FLIGHT COMPARTMENT



Flight Compartment Dripshield Installation
Figure 202/25-11-21-990-805

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TASK 25-11-21-000-803

4. Flight Compartment Dripshield Removal

(Figure 203)

A. Location Zones

Zone	Area
210	Subzone - Control Compartment - Body Station 178.00 to Body Station 259.50
211	Flight Compartment - Left
212	Flight Compartment - Right

B. Procedure

SUBTASK 25-11-21-010-004

(1) Remove the overhead, P5, instrument modules.

SUBTASK 25-11-21-010-005

(2) Do this task: Flight Compartment Forward Ceiling Panel Removal, TASK 25-11-21-000-801.

SUBTASK 25-11-21-010-006

(3) Remove the P5 panel support structure.

SUBTASK 25-11-21-010-007

(4) Remove the wire supports and clips.

SUBTASK 25-11-21-020-005

(5) Disconnect the wires where it is necessary.

SUBTASK 25-11-21-020-006

(6) Loosen the wire bundles where it is necessary.

SUBTASK 25-11-21-020-007

(7) Remove the fasteners that remain.

SUBTASK 25-11-21-020-008

(8) Push the wire bundles out of the holes to remove the drip pan.

SUBTASK 25-11-21-210-003

(9) Examine the area for loose insulation and for damaged insulation pads.

————— **END OF TASK** —————

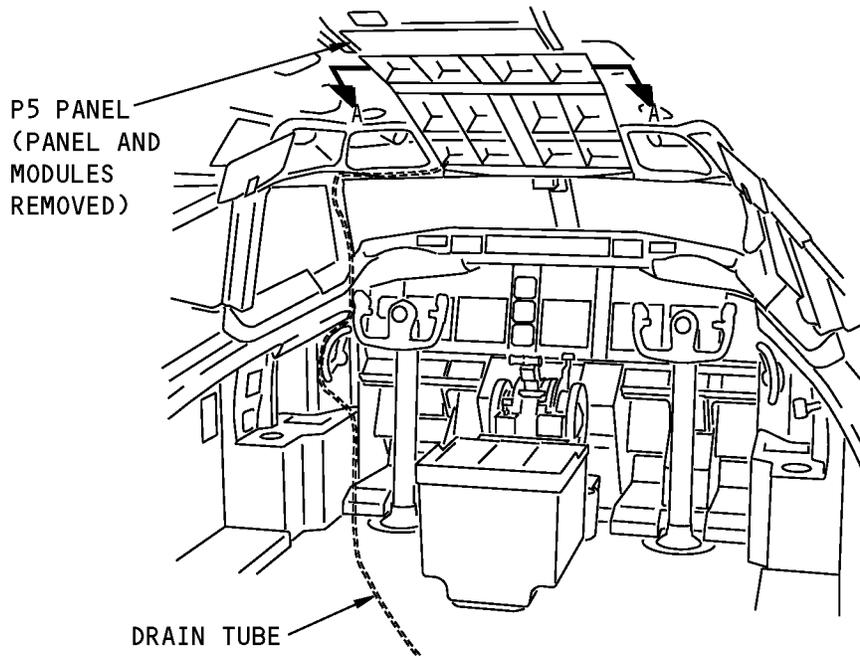
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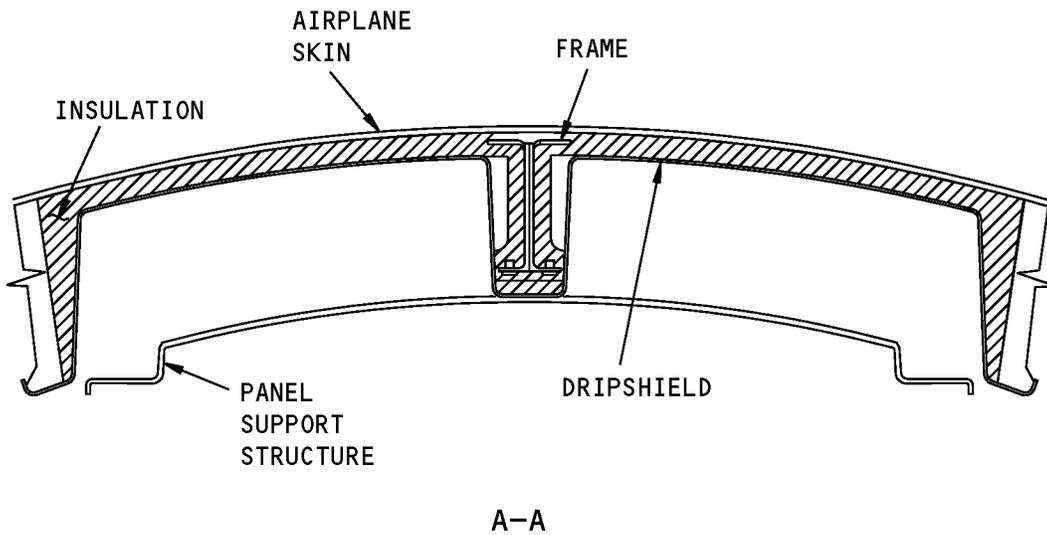
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FLIGHT COMPARTMENT



Flight Compartment Dripshield Installation
Figure 203/25-11-21-990-810

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TASK 25-11-21-400-803

5. Flight Compartment Dripshield Installation

(Figure 203)

A. Location Zones

Zone	Area
210	Subzone - Control Compartment - Body Station 178.00 to Body Station 259.50
211	Flight Compartment - Left
212	Flight Compartment - Right

B. Procedure

SUBTASK 25-11-21-420-007

- (1) Put the drip pan into its position and install it with the bolts.

SUBTASK 25-11-21-420-008

- (2) Put the wires in the correct positions.

SUBTASK 25-11-21-410-005

- (3) Install the wire supports and the clips.

SUBTASK 25-11-21-410-006

- (4) Install the support structure of the P5 overhead panel.

SUBTASK 25-11-21-410-007

- (5) Install the overhead instrument modules.

SUBTASK 25-11-21-410-008

- (6) Do this task: Flight Compartment Ceiling Panel Installation, TASK 25-11-21-400-801.

————— **END OF TASK** —————

TASK 25-11-21-700-801

6. Flight Compartment Sunvisor Adjustment and Test

(Figure 204)

A. General

- (1) Do this task to make sure that the necessary forces to move and turn the flight compartment sunvisors are correct.

B. Tools/Equipment

Reference	Description
STD-4787	Wrench - Allen, Hex, 9/64 inch

C. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

D. Procedure

SUBTASK 25-11-21-720-001

- (1) Do these steps to adjust the necessary force to rotate the sunvisor around the perimeter of the sunvisor track [9].

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- (a) Put the sunvisor in the fully down position.
- (b) Set the sunvisor lock release lever to the lock position.
- (c) Use the 9/64 inch allen wrench, STD-4787 to adjust the brake tension screws [18].
 - 1) Turn the two screws [18] in 1/4 turn increments.

NOTE: Turn the screws clockwise to loosen, and counterclockwise to tighten.

- (d) Use a force gage to measure the necessary force applied perpendicular to the vertical edge of the sunvisor plate to rotate the sunvisor around the sunvisor track [9]
- (e) The screw adjustment is correct when a force of 0.8-1.2 pounds (3.5-5.3 newtons) is necessary to rotate the sunvisor around the sunvisor track [9].

SUBTASK 25-11-21-720-002

- (2) Do these steps to adjust the necessary force to turn the sunvisor.

- (a) Put the sunvisor in the fully down position.
- (b) Set the sunvisor lock release lever to the lock position.
- (c) Adjust the sunvisor rotation screws [19].
 - 1) Turn the two screws [19] in 1/4 turn increments.
- (d) Use a force gage to measure the necessary force to turn the sunvisor.
- (e) The screw adjustment is correct when a force of 1.0 to 1.5 pounds (4.45 to 6.67 newtons) is necessary to turn the sunvisor.

SUBTASK 25-11-21-800-001

- (3) Do these steps to check the sunvisor for travel along the length of the sunvisor track [9].

- (a) Slide clamp block assembly [20] over the sunvisor track [9].

NOTE: The sunvisor lock release lever should be placed in the horizontal position to unlock the clamp block assembly [20]. The sunvisor will slide freely along the sunvisor track [9].

- (b) Set the sunvisor lock release lever to the lock position.

NOTE: The sunvisor should be unable to travel along the sunvisor track [9]. If the sunvisor can be moved along the sunvisor track [9], the clamp assembly is worn and the sunvisor should be replaced.

————— **END OF TASK** —————

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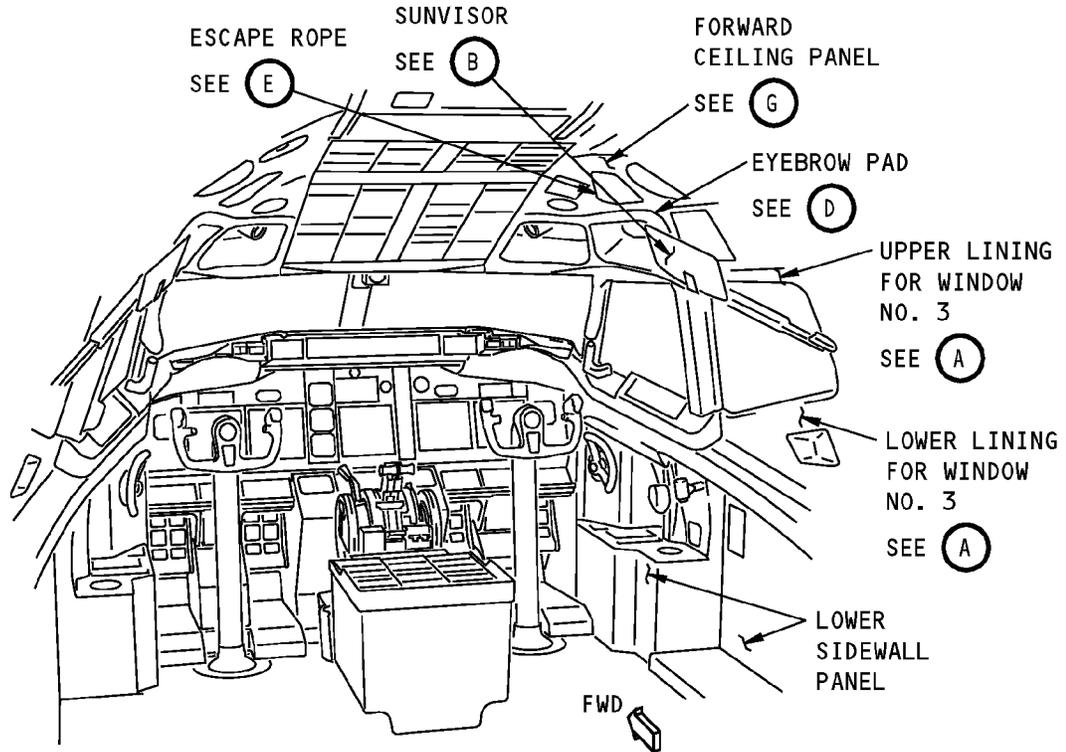
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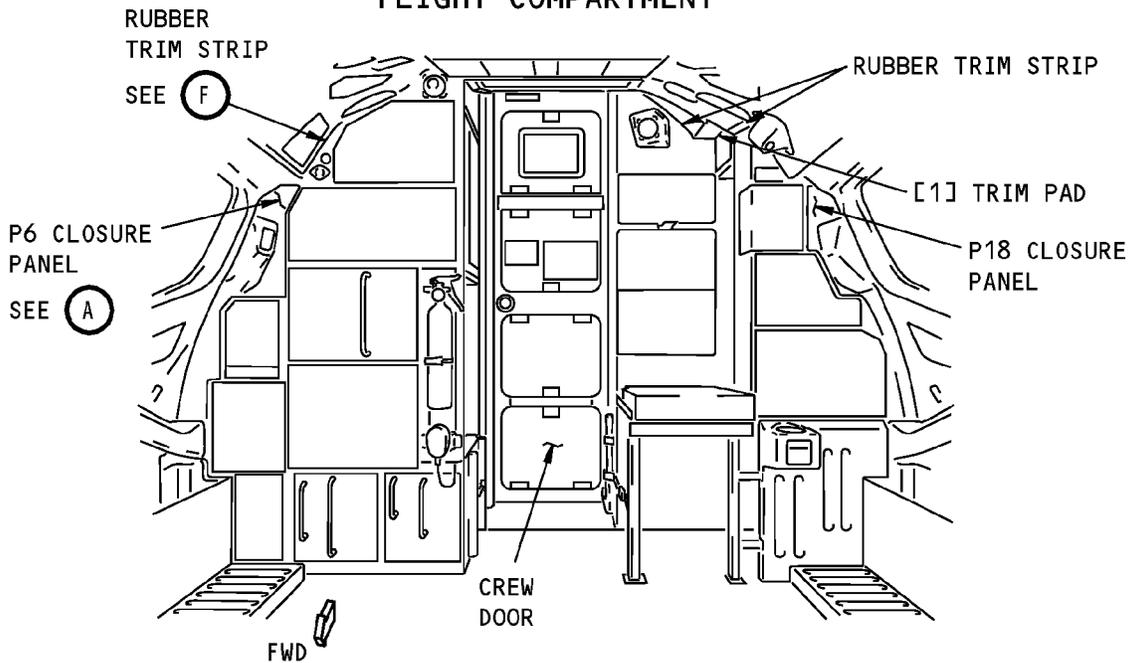
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FLIGHT COMPARTMENT

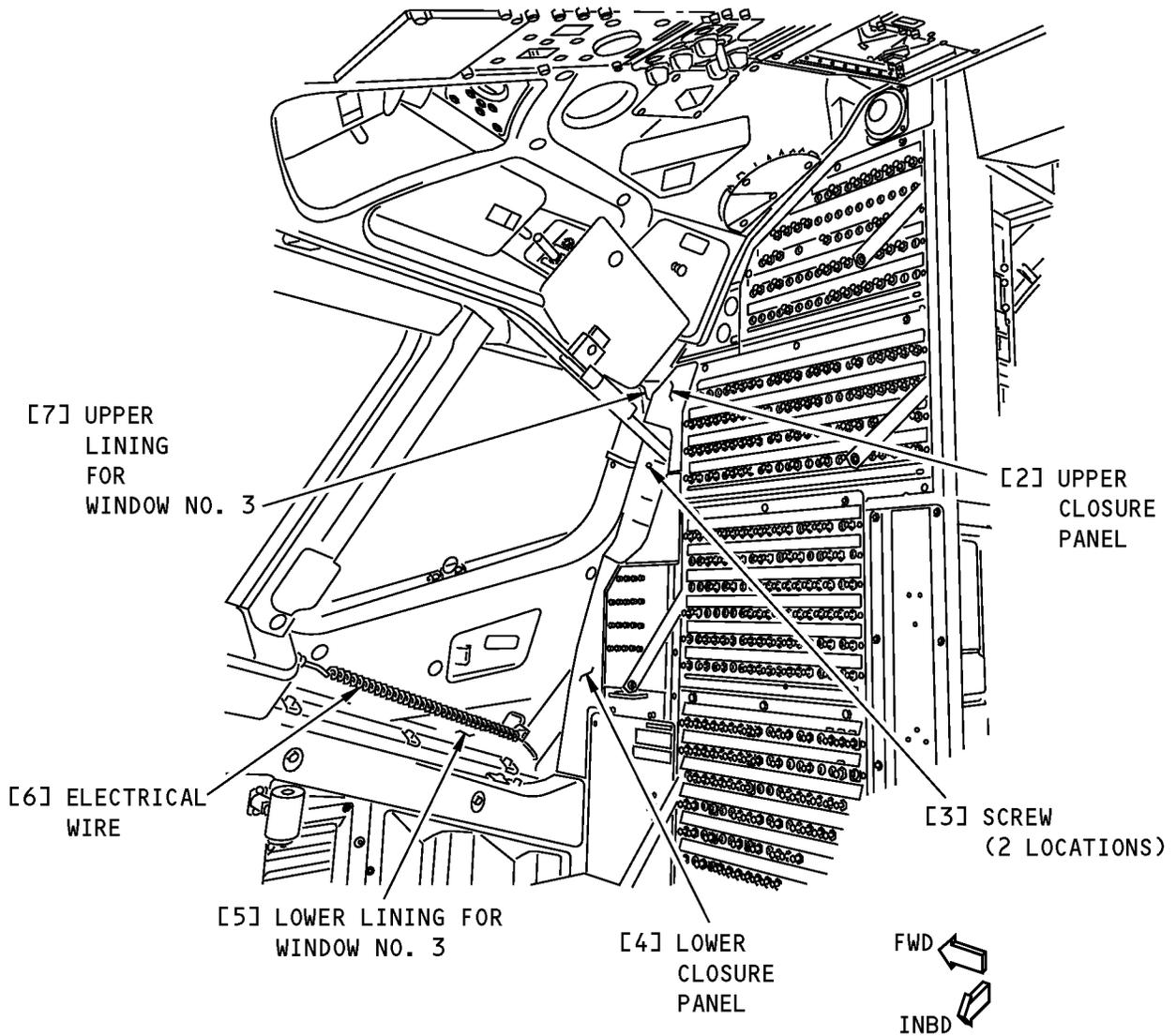


FLIGHT COMPARTMENT

Flight Compartment Forward Ceiling Installation
Figure 204 (Sheet 1 of 7)/25-11-21-990-809

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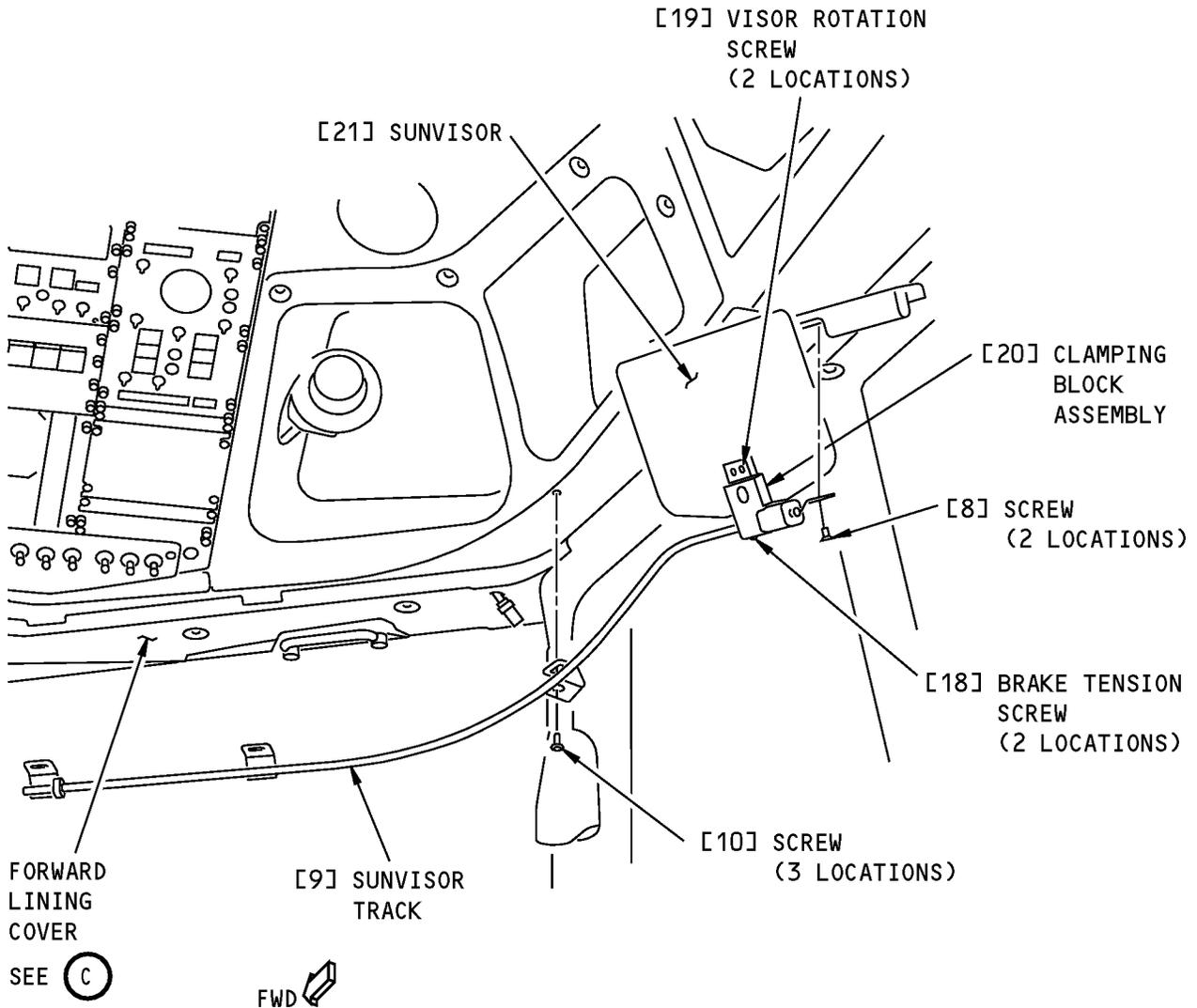
**CLOSURE AND WINDOW PANELS
(RIGHT SIDE IS SHOWN,
LEFT SIDE IS OPPOSITE)**

A

**Flight Compartment Forward Ceiling Installation
Figure 204 (Sheet 2 of 7)/25-11-21-990-809**

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**SUNVISOR
(RIGHT SIDE IS SHOWN,
LEFT SIDE IS ALMOST THE SAME)**

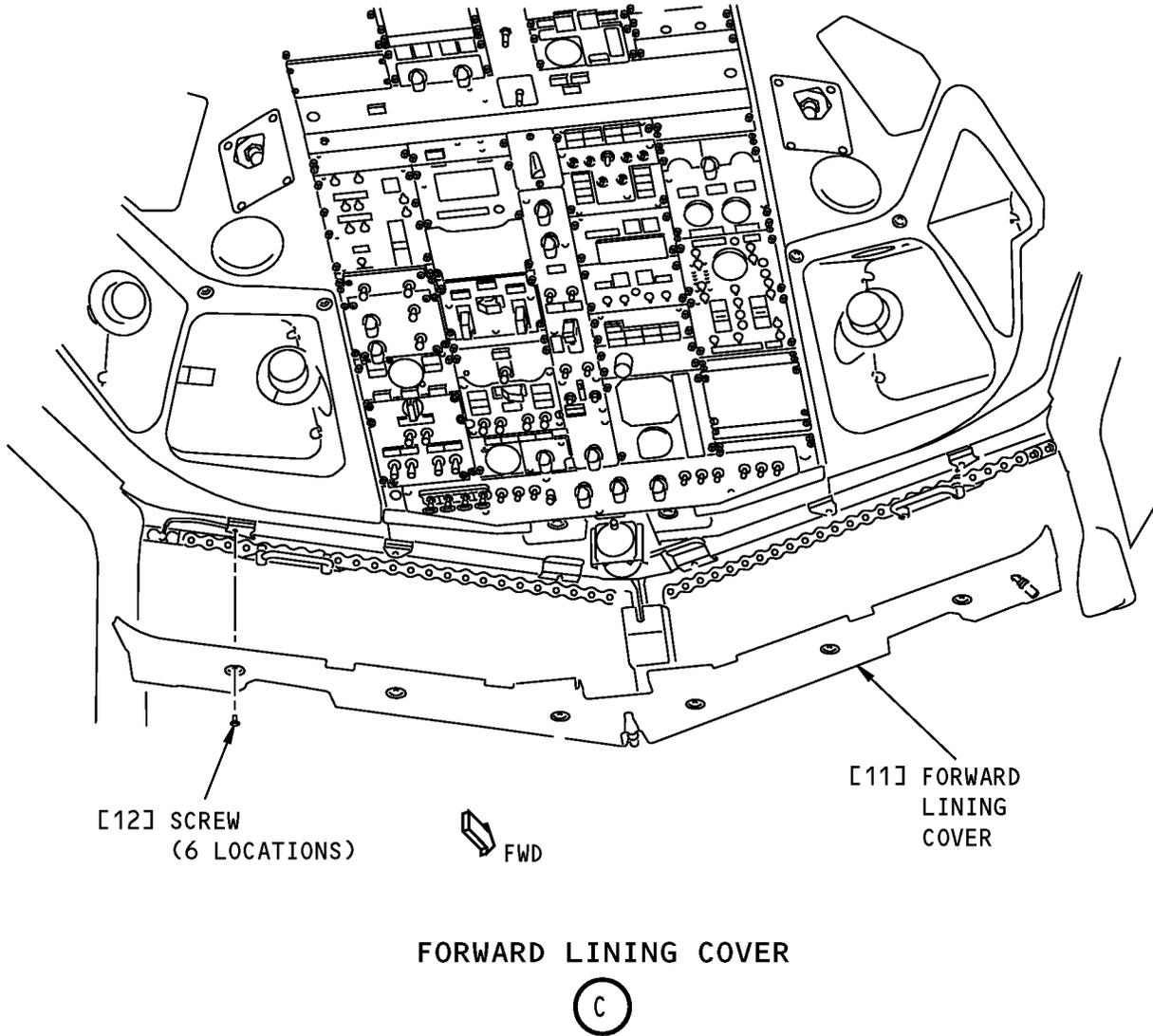
**Flight Compartment Forward Ceiling Installation
Figure 204 (Sheet 3 of 7)/25-11-21-990-809**

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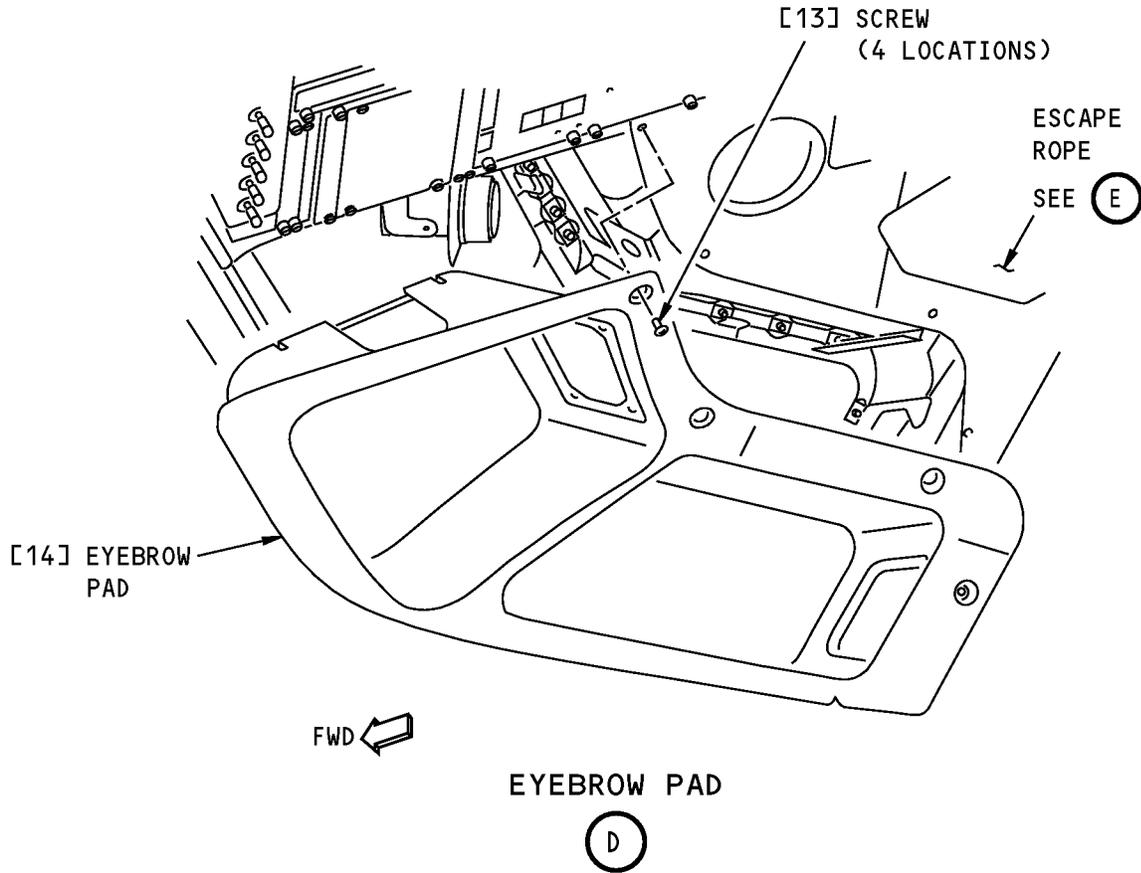
Flight Compartment Forward Ceiling Installation
Figure 204 (Sheet 4 of 7)/25-11-21-990-809

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**Flight Compartment Forward Ceiling Installation
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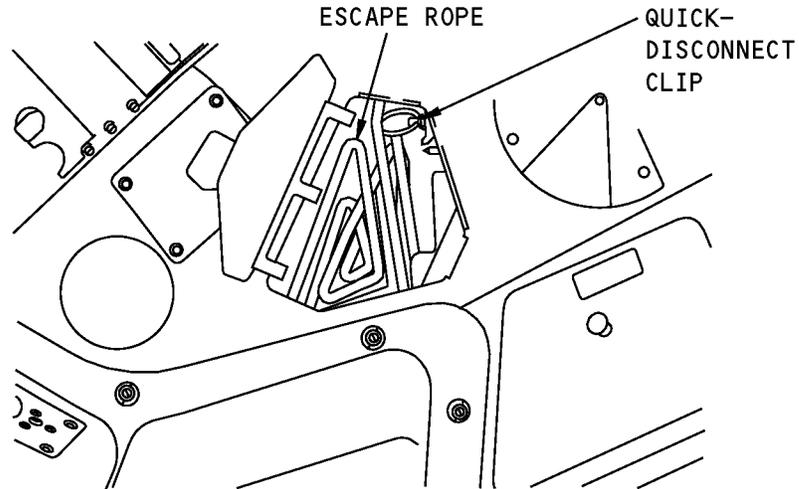
EFFECTIVITY
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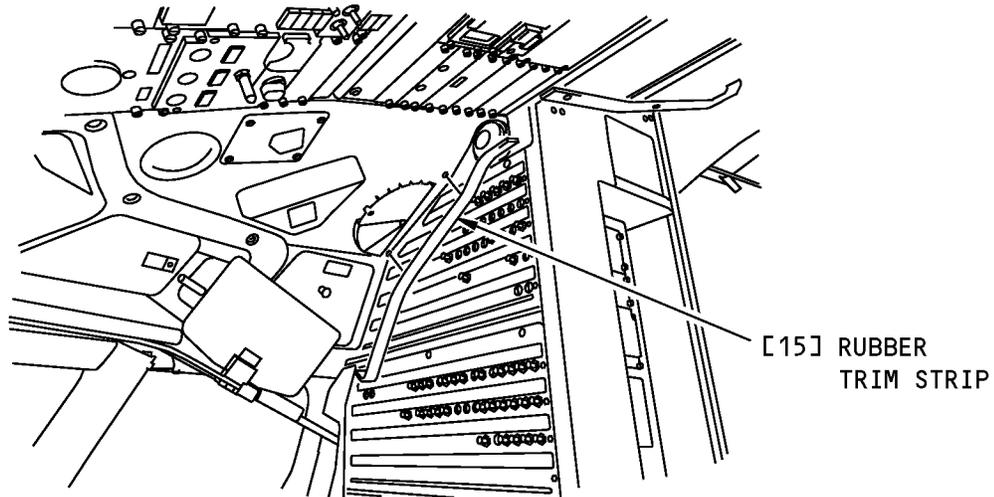
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ESCAPE ROPE
(RIGHT SIDE IS SHOWN,
LEFT SIDE IS ALMOST THE SAME)

(E)



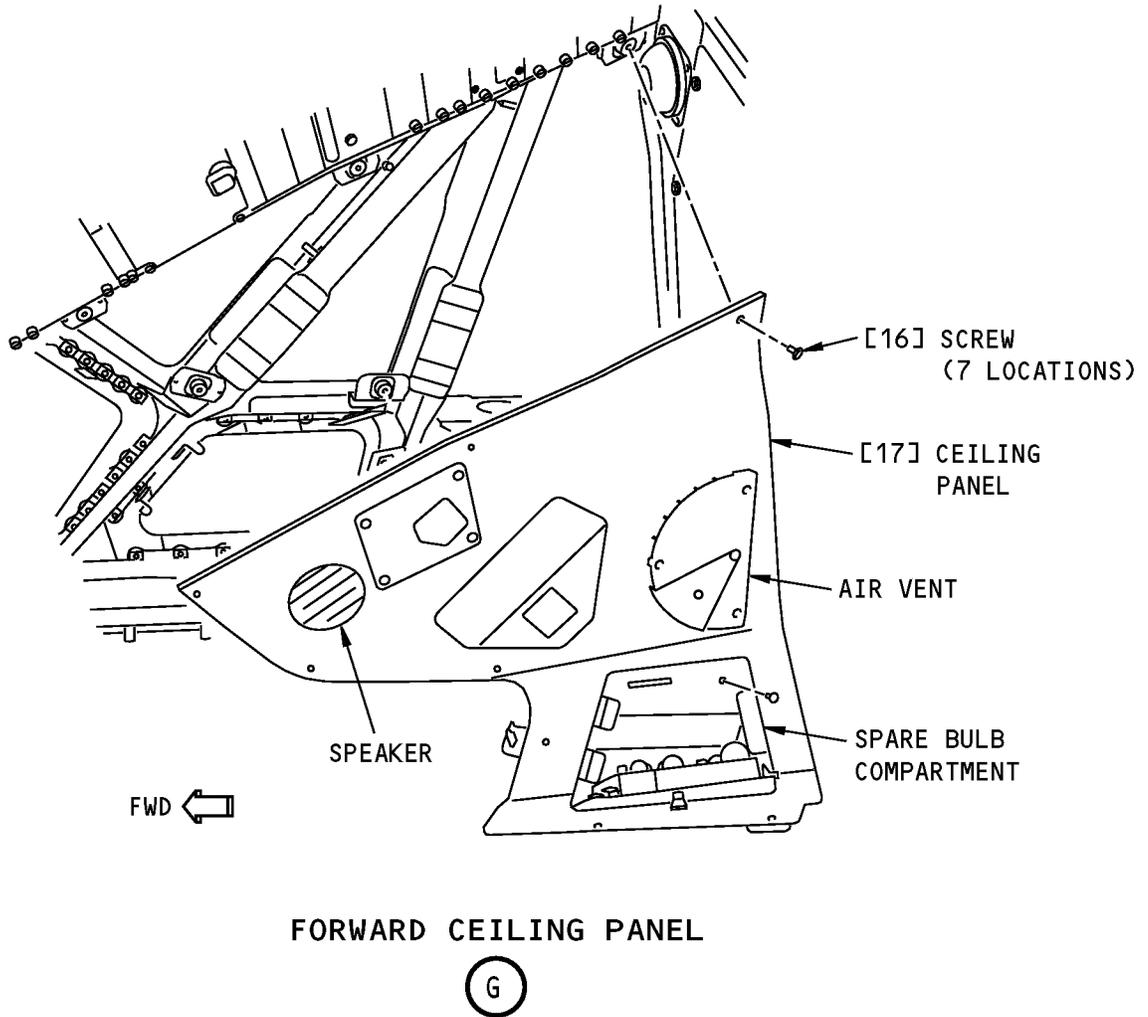
RUBBER TRIM STRIP
(RIGHT SIDE IS SHOWN,
LEFT SIDE IS OPPOSITE)

(F)

Flight Compartment Forward Ceiling Installation
Figure 204 (Sheet 6 of 7)/25-11-21-990-809

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**Flight Compartment Forward Ceiling Installation
Figure 204 (Sheet 7 of 7)/25-11-21-990-809**

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HAP 031-054, 101-999

TASK 25-11-21-700-802

7. Roller Sunshade Removal

(Figure 205)

A. General

- (1) This procedure is for airplanes equipped with the roller sunshade installed on the number 2 and 3 windows.
- (2) Do this task to remove the roller sunshade.

B. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

C. Procedure

SUBTASK 25-11-21-720-003

- (1) Do these steps to remove the roller sunshade.
 - (a) Remove the electrical connector.
 - (b) Remove the light.
 - (c) Remove the applicable window lining fasteners [1].
 - (d) Remove the applicable window lining [2].
 - (e) Remove the roller sunshade fasteners [3].
 - (f) Remove the roller sunshade [4].

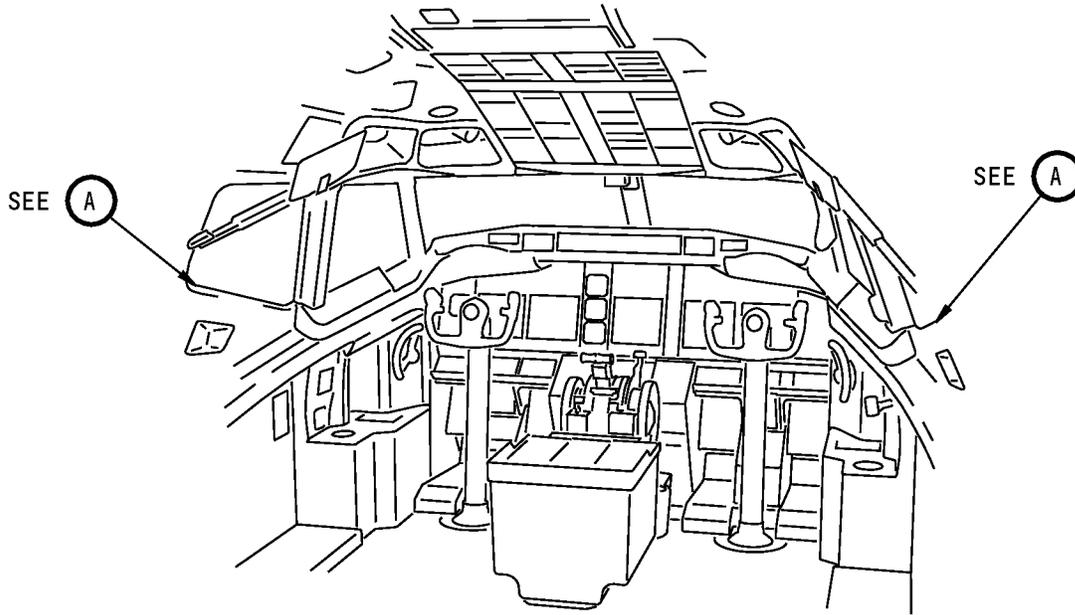
END OF TASK

EFFECTIVITY	
HAP ALL	

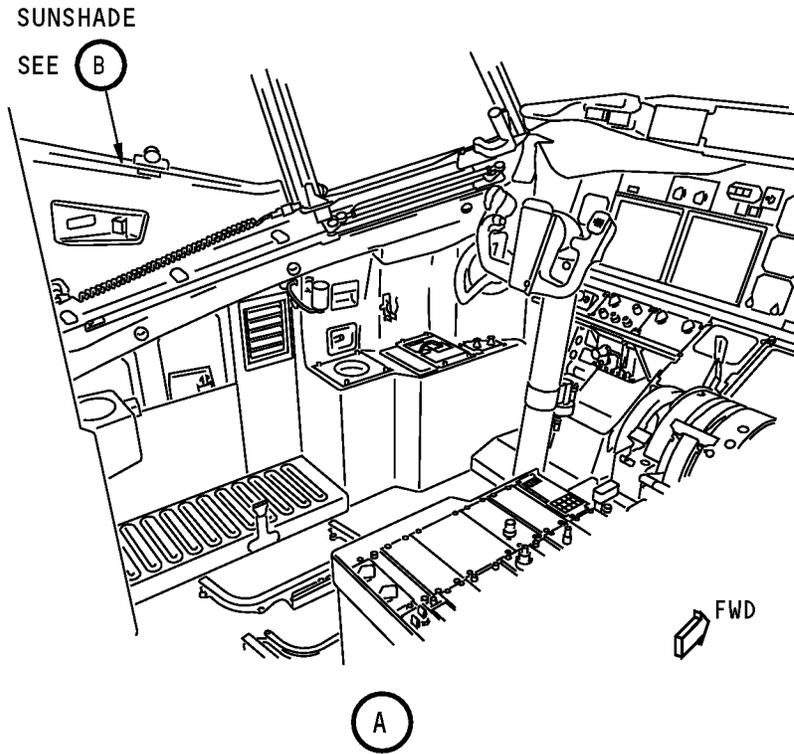
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FLIGHT COMPARTMENT



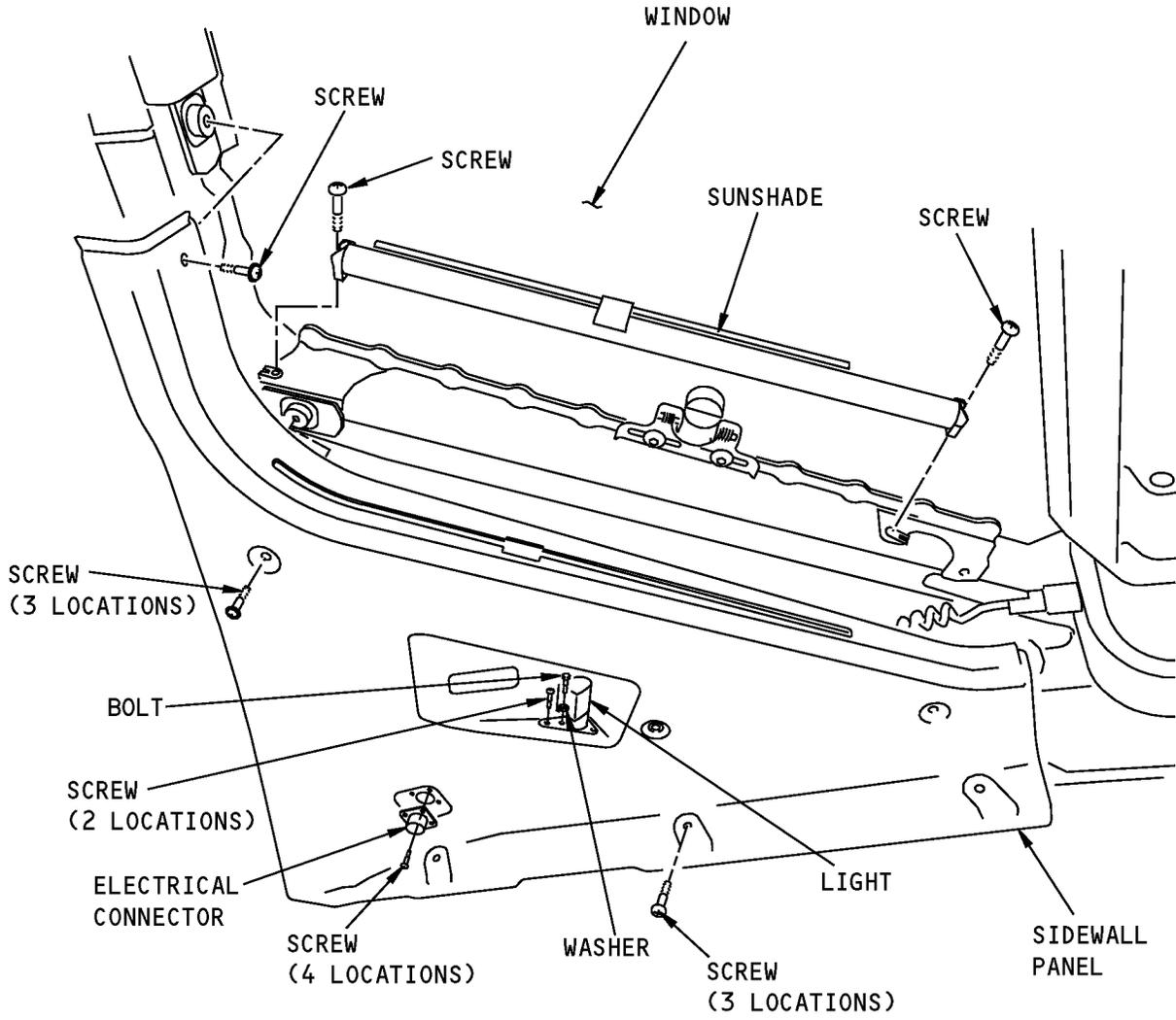
**Sunshade Installation
Figure 205 (Sheet 1 of 2)/25-11-21-990-807**

EFFECTIVITY
HAP 031-054, 101-999

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**SUNSHADE
(EXAMPLE)**

B

**Sunshade Installation
Figure 205 (Sheet 2 of 2)/25-11-21-990-807**

EFFECTIVITY
HAP 031-054, 101-999

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HAP 031-054, 101-999 (Continued)

TASK 25-11-21-700-803

8. Roller Sunshade Installation

(Figure 205)

A. General

- (1) This procedure is for airplanes equipped with the roller sunshade installed on the number 2 and 3 windows.
- (2) Do this task to install the roller sunshade.

B. Location Zones

<u>Zone</u>	<u>Area</u>
211	Flight Compartment - Left
212	Flight Compartment - Right

C. Procedure

SUBTASK 25-11-21-720-004

- (1) Do these steps to install the roller sunshade.
 - (a) Position the roller sunshade [4] for installation.
 - (b) Install the roller sunshade fasteners [3].
 - (c) Position the window lining [2] for installation.
 - (d) Install the light.
 - (e) Install the electrical connector.
 - (f) Install the window lining fasteners [1].

————— **END OF TASK** —————

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FLIGHT COMPARTMENT FORWARD SIDE PANELS - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) Flight Compartment Forward Side Panel Removal
- (2) Flight Compartment Forward Side Panel Installation

TASK 25-11-22-000-801

2. Flight Compartment Forward Side Panel Removal

(Figure 401)

A. General

- (1) This procedure applies to the Captain's and First Officer's Forward Side Panel.

B. References

Reference	Title
25-11-01-000-801	Captain's and First Officer's Seat Removal (P/B 401)
32-51-41-000-801	Nose Landing Gear Steering Control Wheel Removal (P/B 401)
35-12-85-000-802	Oxygen Mask/Regulator Removal (P/B 401)

C. Location Zones

Zone	Area
210	Subzone - Control Compartment - Body Station 178.00 to Body Station 259.50
211	Flight Compartment - Left
212	Flight Compartment - Right

D. Procedure

SUBTASK 25-11-22-860-001

- (1) Open these circuit breakers and install safety tags:

F/O Electrical System Panel, P6-2

Row	Col	Number	Name
D	22	C00086	AUDIO F/O
D	23	C00083	AUDIO CAPT

F/O Electrical System Panel, P6-3

Row	Col	Number	Name
A	9	C00308	CONTROL CABIN LIGHTING MAP & KIT
B	9	C00331	PANEL & INSTR 28V PRI CAPT & CTR
B	10	C00335	PANEL & INSTR 28V PRI F/O
D	8	C00701	EMER PANEL LTG

SUBTASK 25-11-22-020-001

- (2) Remove the applicable seat. Do this task: Captain's and First Officer's Seat Removal, TASK 25-11-01-000-801.

SUBTASK 25-11-22-020-002

- (3) Remove the oxygen box from the panel.
 - (a) For airplanes with the nasal mask oxygen box, do these steps;

NOTE: Use these steps such that you do not need to open the oxygen system.

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- 1) Remove the oxygen box from the spacer and move aside.
- 2) Remove the spacer and drop it down through the opening.
- 3) Drop the oxygen box down through the opening.

NOTE: There is a fastener [15] that must be removed with access through this opening.

- (b) For airplanes with the full face mask oxygen box, do this task: Oxygen Mask/Regulator Removal, TASK 35-12-85-000-802.

- 1) There is a fastener [15] that must be removed with access through this opening.

SUBTASK 25-11-22-010-001

- (4) Remove Map/Chart Holder.

NOTE: This must be removed to provide access to the fastener, [16].

SUBTASK 25-11-22-010-002

- (5) Remove the fasteners to disconnect the glareshield lower cover assembly [1].

SUBTASK 25-11-22-020-003

- (6) Remove the quarter sill lining [3]

SUBTASK 25-11-22-020-004

- (7) Remove the raceway cover [5].

- (a) Remove screws [7].
- (b) Remove Flight Kit Tiedown [4].

SUBTASK 25-11-22-000-001

- (8) Remove the bracket [11] from the forward panel to the mid panel [8].

- (a) Remove screws [9] and [10].

SUBTASK 25-11-22-020-007

- (9) Remove utility light [22].

- (a) Slide cord through slot in panel.

SUBTASK 25-11-22-000-002

- (10) Do this task: Nose Landing Gear Steering Control Wheel Removal, TASK 32-51-41-000-801.

NOTE: If removing the panel on an airplane without a steering control wheel on the first officer's side, disregard this step.

SUBTASK 25-11-22-000-003

- (11) Remove the tiller assembly access screw [13] and access cover [12].

SUBTASK 25-11-22-000-004

- (12) Remove panel fasteners [14].

SUBTASK 25-11-22-000-005

- (13) Remove the Map/Chart light control module from the P21-1 panel or P23-1 panel.

SUBTASK 25-11-22-020-005

- (14) Disconnect the Captain or First Officer handmike from the sidewall connector.

SUBTASK 25-11-22-020-006

- (15) Disconnect the oxygen light [18].

- (a) Remove the connector [17].

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SUBTASK 25-11-22-030-004

(16) Disconnect the oxygen hose to the oxygen box.

SUBTASK 25-11-22-020-008

(17) Remove the interphone jack [20].

(a) Disconnect the connector [21].

SUBTASK 25-11-22-080-001

(18) Remove the panel [6].

CAUTION: THE PANEL IS VERY FRAGILE. IF THE PANEL IS HUNG UP WHEN TRYING TO REMOVE IT, MAKE SURE ALL FASTENERS ARE REMOVED AND THAT THE INTERPHONE JACK HOUSING IS CLEARING THE AIRPLANE STRUCTURE.

(a) Hold panel at the top forward corner and bend down and inboard slightly, only enough to clear obstacles.

(b) Hold panel at the rear bottom corner and pull inboard and back.

————— END OF TASK —————

TASK 25-11-22-400-801

3. Flight Compartment Forward Side Panel Installation

(Figure 401)

A. General

(1) This procedure is the same for the Captain's and First Officers side depending on applicable panel equipment.

B. References

Reference	Title
23-51-00-710-801	Flight Interphone System - Operational Test (P/B 501)
25-11-01-400-801	Captain's and First Officer's Seat Installation (P/B 401)
32-51-41-400-802	Nose Landing Gear Steering Control Wheel Installation (P/B 401)
35-12-00-700-802	Crew Oxygen Mask-Regulator Test (P/B 501)
35-12-85-400-802	Oxygen Mask/Regulator Installation (P/B 401)

C. Location Zones

Zone	Area
210	Subzone - Control Compartment - Body Station 178.00 to Body Station 259.50
211	Flight Compartment - Left
212	Flight Compartment - Right

D. Procedure

SUBTASK 25-11-22-420-001

(1) Position the panel for installation.

(a) Make sure all connections are accessible.

SUBTASK 25-11-22-400-001

(2) Connect the electrical connector for the Map/Chart lightplate control assembly .

SUBTASK 25-11-22-430-001

(3) Install the screws for the Map/Chart lightplate control assembly.

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SUBTASK 25-11-22-420-002

(4) Connect the electrical connector for the interphone jack [20].

SUBTASK 25-11-22-420-003

(5) Connect the electrical connector for the utility light [22].

(a) Slide cord through slot in panel and slot in grommet.

SUBTASK 25-11-22-420-008

(6) Connect the electrical connector for the oxygen box.

SUBTASK 25-11-22-420-009

(7) Install the oxygen hose for the oxygen box. Torque nut to 60 - 80 inch-pounds.

SUBTASK 25-11-22-420-010

(8) Install the screw [9] for the bracket [11].

SUBTASK 25-11-22-430-002

(9) Install the screws [10] for the utility light [22].

SUBTASK 25-11-22-420-004

(10) Install the electrical connector [17] for the oxygen light [18].

SUBTASK 25-11-22-420-011

(11) Install the oxygen light [18].

SUBTASK 25-11-22-400-002

(12) If applicable, connect the Digital Audio Control.

SUBTASK 25-11-22-400-003

(13) Install map/chart holder

(a) Install fastener [16].

(b) Install holder.

SUBTASK 25-11-22-410-002

(14) Install the panel [6].

(a) Grab panel at the forward top corner and bend down slightly.

(b) Grab panel at the rear bottom corner and push forward and outboard.

(c) Install fasteners [14].

(d) Install the bracket [11] from the forward panel to the mid panel.

SUBTASK 25-11-22-430-003

(15) Install the screw [13] for the access cover [12].

SUBTASK 25-11-22-410-003

(16) If applicable, do this task: Nose Landing Gear Steering Control Wheel Installation,
TASK 32-51-41-400-802

(a) Make sure that the access cover [12] is aligned properly before nose landing gear steering control wheel [2] is installed to make sure no damage occurs.

SUBTASK 25-11-22-410-004

(17) Install the raceway cover [5].

SUBTASK 25-11-22-410-005

(18) Install the quarter sill lining [3]

SUBTASK 25-11-22-410-006

(19) Install the glareshield lower cover assembly [1].

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SUBTASK 25-11-22-410-007

(20) Install the applicable seat, do this task: Captain's and First Officer's Seat Installation, TASK 25-11-01-400-801.

SUBTASK 25-11-22-860-002

(21) Remove the safety tags and close these circuit breakers:

F/O Electrical System Panel, P6-2

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	22	C00086	AUDIO F/O
D	23	C00083	AUDIO CAPT

F/O Electrical System Panel, P6-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	9	C00308	CONTROL CABIN LIGHTING MAP & KIT
B	9	C00331	PANEL & INSTR 28V PRI CAPT & CTR
B	10	C00335	PANEL & INSTR 28V PRI F/O
D	8	C00701	EMER PANEL LTG

SUBTASK 25-11-22-410-001

(22) Install the oxygen box.

(a) For airplanes with the nasal mask oxygen box, do these steps;

- 1) Install fastener [15].
- 2) Pull oxygen box up through opening.
- 3) Pull spacer up through opening.
- 4) Install spacer on panel.
- 5) Install oxygen box on the spacer.

(b) For airplanes with the full face mask oxygen box;

- 1) Install fastener [15].
- 2) Do this task: Oxygen Mask/Regulator Installation, TASK 35-12-85-400-802.

SUBTASK 25-11-22-710-001

(23) Do a test of the flight kit/reading light:

(a) At the back of the light, use the knob to set the switch to the on mode.

- 1) Make sure the light comes on.

(b) Set the switch to the off mode.

- 1) Make sure the light goes off.

SUBTASK 25-11-22-710-002

(24) Do a test of the Map switch on the Map/Chart lightplate control module:

(a) At the P21 or P22 panel, set the applicable switch for the map light to the dim mode and then to bright.

- 1) Make sure the intensity of the light changes from dim to bright.

(b) Set the switch to the off mode.

- 1) Make sure the light goes off.

SUBTASK 25-11-22-710-003

(25) Do a test of the Chart switch on the Map/Chart lightplate control module:

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- (a) At the P21 or P22 panel, set the applicable switch for the chart light to the dim mode and then to bright.
 - 1) Make sure the intensity of the light changes from dim to bright.
- (b) Set the switch to the off mode.
 - 1) Make sure the light goes off.

SUBTASK 25-11-22-710-004

- (26) Do an operational test of the crew oxygen mask to make sure it operates correctly, do this task: Crew Oxygen Mask-Regulator Test, TASK 35-12-00-700-802.

SUBTASK 25-11-22-710-005

- (27) Do a test of the boom microphone for a voice transmission between two flight crew stations, do this task: Flight Interphone System - Operational Test, TASK 23-51-00-710-801.

————— **END OF TASK** —————

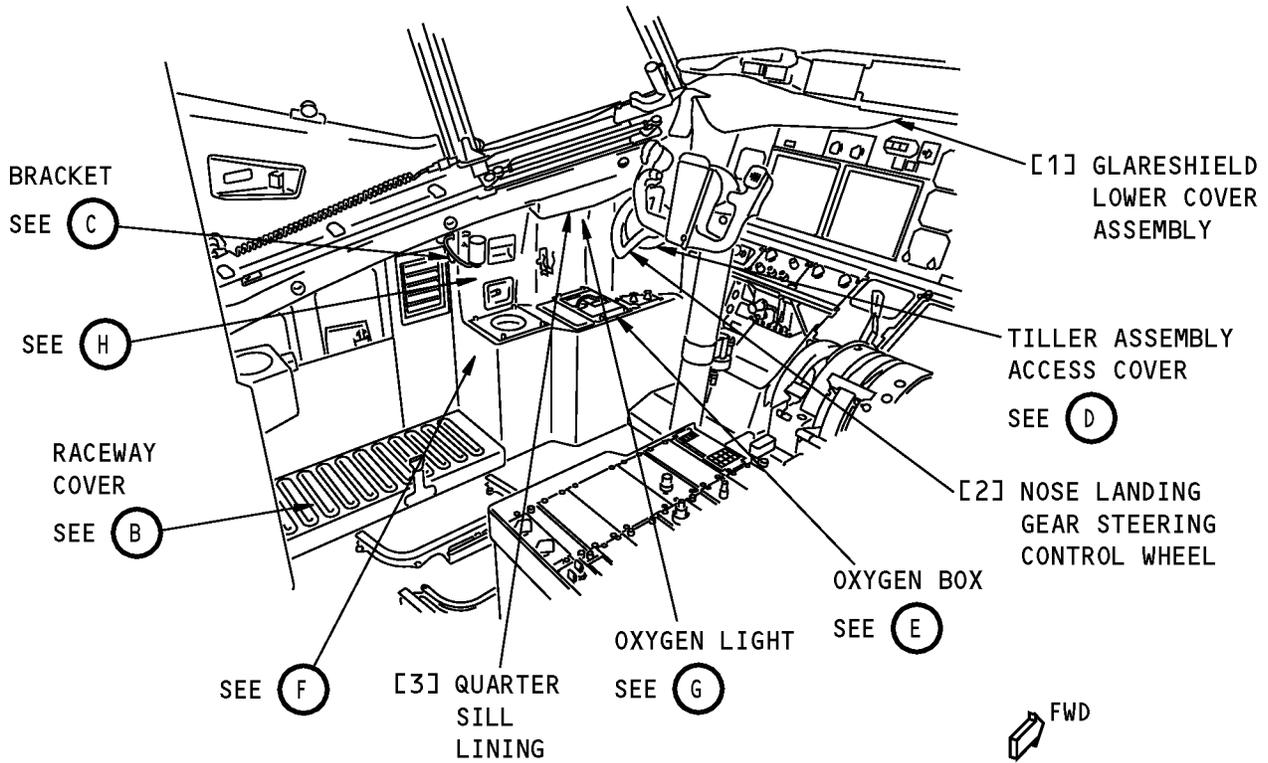
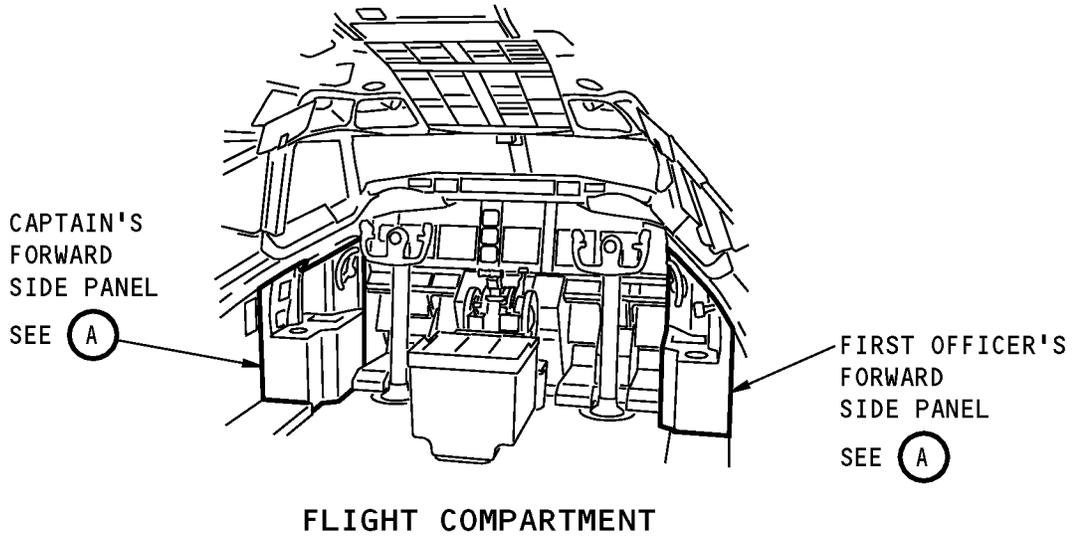
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**CAPTAIN'S FORWARD SIDE PANEL
(FIRST OFFICER'S PANEL IS OPPOSITE)**

(A)

**Flight Compartment Forward Side Panels
Figure 401 (Sheet 1 of 4)/25-11-22-990-801**

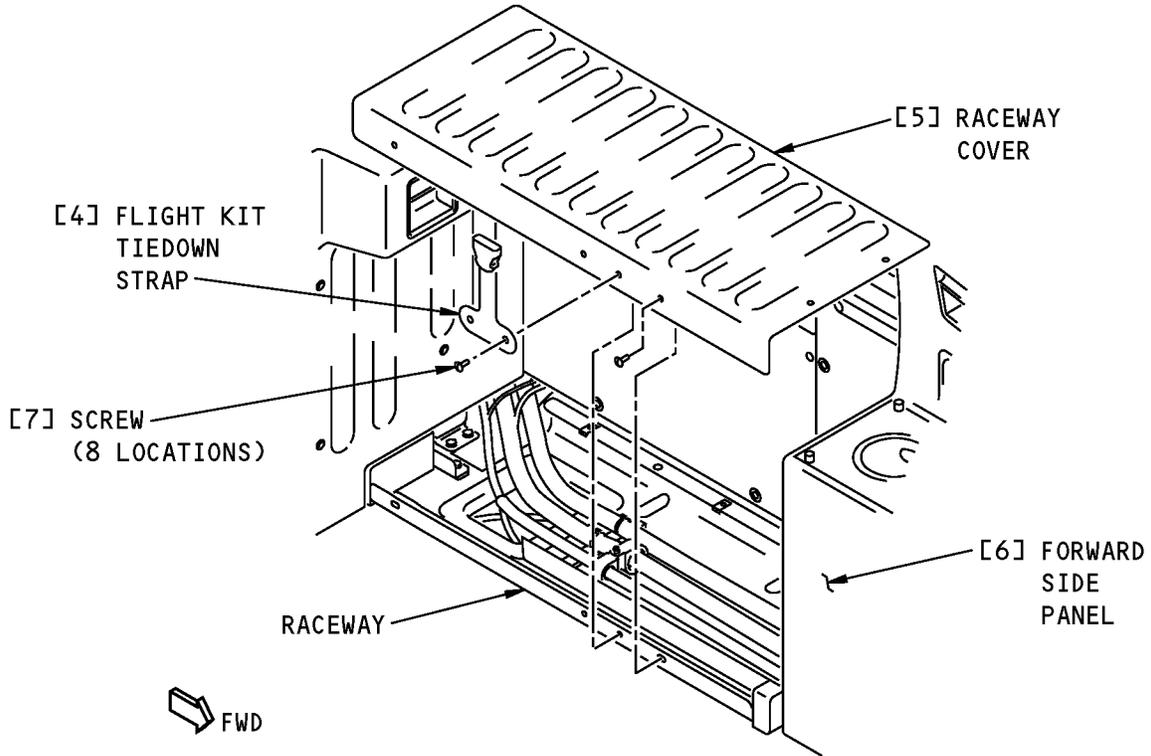
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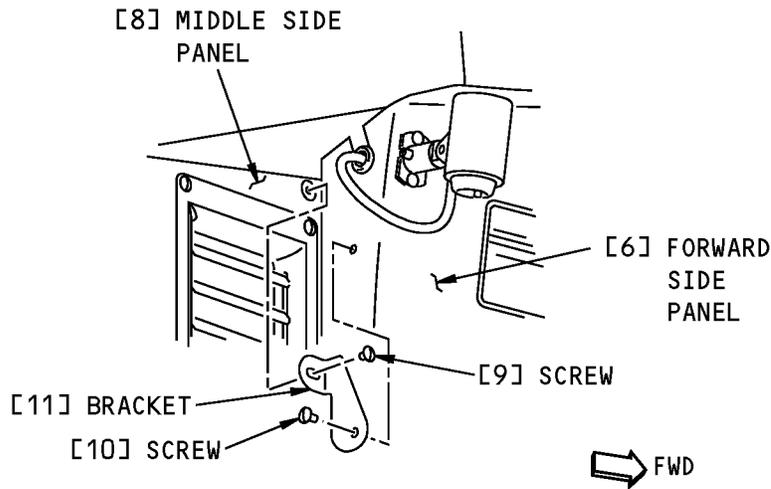
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(B)



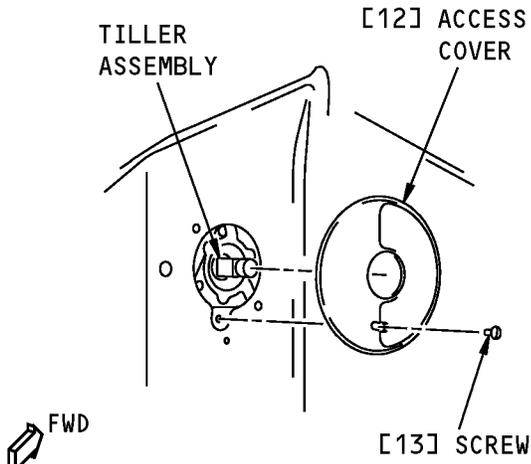
(C)

**Flight Compartment Forward Side Panels
Figure 401 (Sheet 2 of 4)/25-11-22-990-801**

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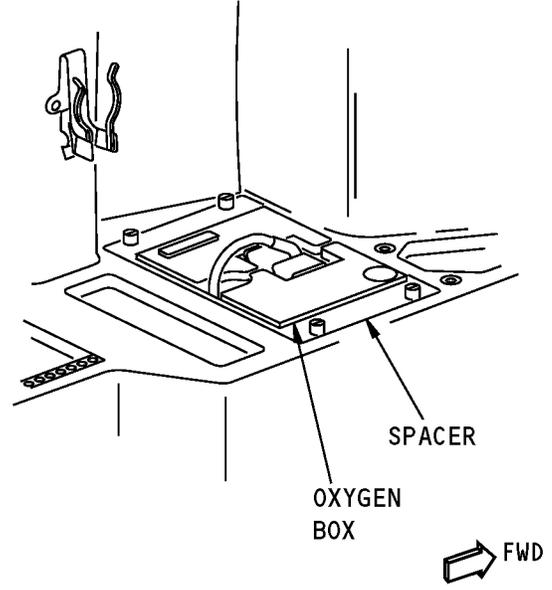
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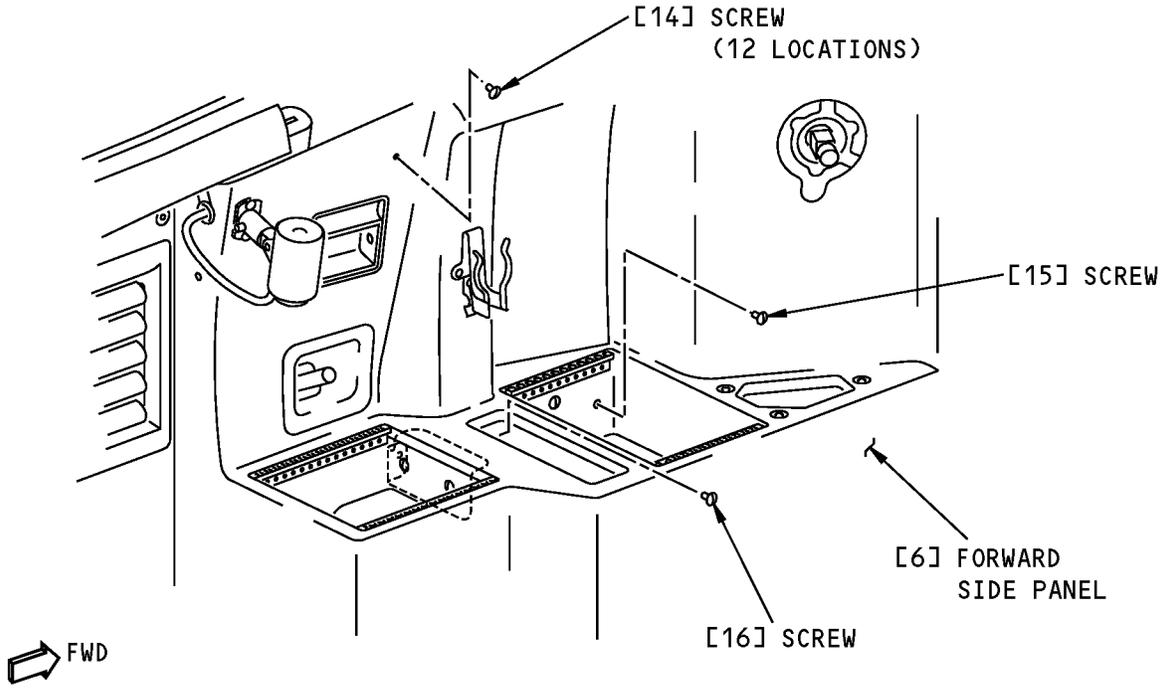
TILLER ASSEMBLY
ACCESS COVER

(D)



OXYGEN BOX

(E)



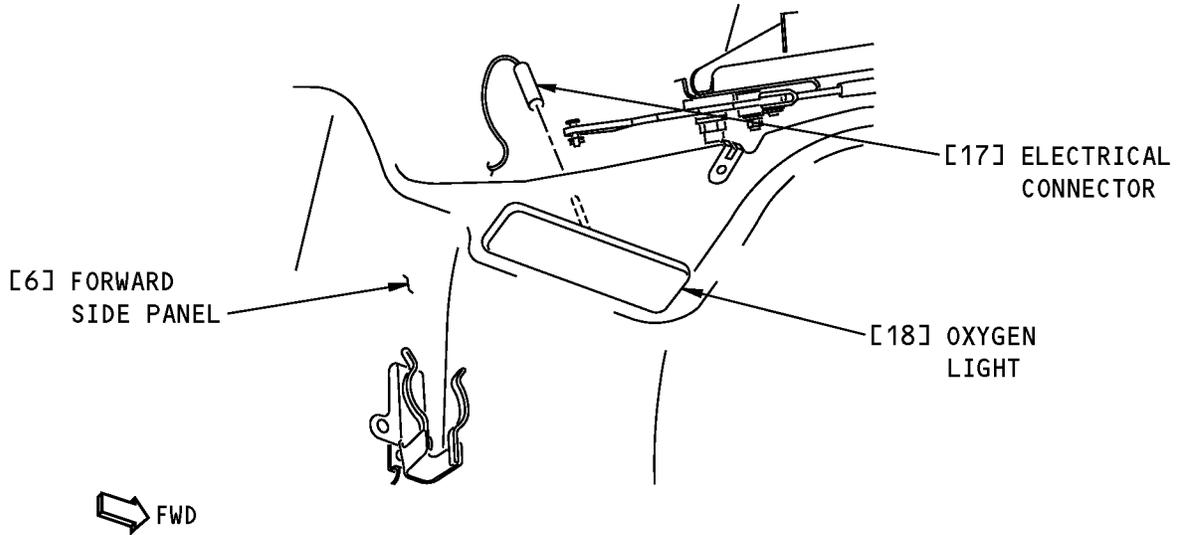
(F)

Flight Compartment Forward Side Panels
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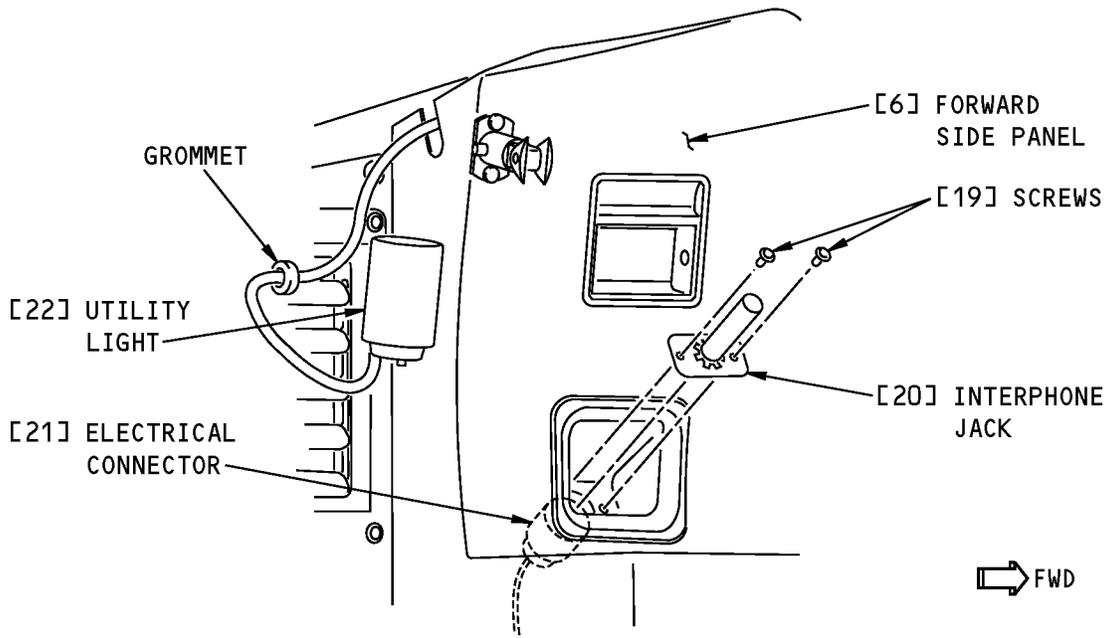
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OXYGEN LIGHT

(G)



UTILITY LIGHT AND INTERPHONE JACK

(H)

**Flight Compartment Forward Side Panels
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WINDOW SHADE AND REVEAL ASSEMBLY - REMOVAL/INSTALLATION

1. General

A. This procedure contains these tasks:

- (1) Window Shade and Reveal Assembly Removal,
- (2) Window Shade and Reveal Assembly Installation.
- (3) Emergency Exit Door Window Shade and Reveal Assembly Removal,
- (4) Emergency Exit Door Window Shade and Reveal Assembly Installation.

TASK 25-21-12-020-801

2. Window Shade and Reveal Assembly Removal

(Figure 401)

A. General

- (1) This procedure includes steps to remove the window shade and reveal assembly, or to remove only the window shade.
- (2) Not all window assemblies are the same. Some may have a latch and pawl at the bottom of the window sill, others are snap fit, with no need for a skin wedge release tool.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-21-12-910-001

WARNING: PUT ON SAFETY GLASSES BEFORE YOU REMOVE THE WINDOW SHADE. THE PLASTIC REVEAL TABS CAN BREAK. THE BROKEN PIECES CAN CAUSE INJURIES TO YOUR EYES.

- (1) Obey this Warning during this task.

SUBTASK 25-21-12-980-001

- (2) Move the shade to the closed position.

SUBTASK 25-21-12-010-005

- (3) To remove the window shade separately from the window shade and reveal assembly, use the skin wedge release tool to unlatch and pull the bottom of the inner reveal from the wall panel, and then slide out the shade.

SUBTASK 25-21-12-010-003

- (4) Insert the skin wedge release tool, or available similar tool, in the corner and under the lower edge of the window shade and reveal assembly [1], and push the tool down to disengage the latch.

NOTE: If you use a screwdriver, be careful not to damage the window reveal or the wall panel.

SUBTASK 25-21-12-010-004

CAUTION: DO NOT CATCH THE RUBBER SEAL ON THE LATCH ASSEMBLY WHEN YOU REMOVE THE WINDOW AND REVEAL ASSEMBLY. YOU CAN CAUSE DAMAGE TO THE RUBBER SEAL.

- (5) Carefully move the tool to the opposite corner of the window shade and reveal assembly [1], and pull out the assembly approximately 1 inch from its seated position.

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SUBTASK 25-21-12-010-001

- (6) Use the skin wedge release tool to keep the latch disengaged, and pull out the lower edge of the window shade and reveal assembly [1] until it is free of the sidewall panel.

SUBTASK 25-21-12-010-002

- (7) Remove the window shade and reveal assembly [1] from the panel.

————— END OF TASK —————

TASK 25-21-12-400-801

3. Window Shade and Reveal Assembly Installation

(Figure 401)

A. General

- (1) This procedure includes steps to install the window shade and reveal assembly, or to install only the window shade.
- (2) Not all window assemblies are the same. Some may have a latch and pawl at the bottom of the window sill, others are snap fit, with no need for a skin wedge release tool.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

NOTE: The window shade is installed with the window shade and reveal assembly [1].

SUBTASK 25-21-12-210-001

- (1) Put the seal support ring on the reveal tab.

NOTE: Lift the window shade to the not fully up position, and put it into the sheath opening when you install the window shade and reveal assembly [1].

NOTE: The corner flanges must be adjacent to the bracket tongue in the top corners of the panel opening.

SUBTASK 25-21-12-210-002

- (2) Hold the top part of the window shade and reveal assembly [1] while you apply a light force in the up direction.
 - (a) Turn the window shade and reveal assembly [1] into the correct position.

NOTE: When the latch clicks, the window shade and reveal assembly [1] is installed.

SUBTASK 25-21-12-420-001

- (3) Gradually push on the lower corners of the window shade and reveal assembly [1] until it is installed flat around the window opening in the panel assembly.

SUBTASK 25-21-12-020-001

- (4) Release the seal support ring.

————— END OF TASK —————

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TASK 25-21-12-000-801

4. Emergency Exit Door Window Shade and Reveal Assembly Removal

(Figure 402)

A. General

- (1) Each emergency exit door has a window shade and reveal assembly.
- (2) The 737-600 and the 737-700 airplanes have a Left Emergency Exit Door at STA 627.5 and a Right Emergency Exit Door at STA 627.5.
- (3) The 737-800 airplanes have Left Emergency Exit Doors at STA 589.5 and STA 627.5, and Right Emergency Exit Doors at STA 589.5 and STA 627.5.

B. References

Reference	Title
52-22-51-000-801	Emergency Exit Door Lining Removal (P/B 401)

C. Location Zones

Zone	Area
832	Left Forward Emergency Exit
833	Left Emergency Exit (STA 627.5)
842	Right Forward Emergency Exit
843	Right Emergency Exit (STA 627.5)

D. Procedure

SUBTASK 25-21-12-020-003

- (1) Do this task: Emergency Exit Door Lining Removal, TASK 52-22-51-000-801.

SUBTASK 25-21-12-020-004

- (2) Remove the reveal assembly [22] and the spacer ring [21] from the support assembly.
 - (a) Remove the spring clips [23] that attach the reveal assembly [22] and the spacer ring [21] to the support assembly.
 - (b) Remove the reveal assembly [22] and the spacer ring [21].

SUBTASK 25-21-12-020-005

- (3) Remove the shade roller assembly [24] from the support assembly.
 - (a) Turn the attach clip [25] out of the way.
 - (b) Remove the window shade roller assembly [24].

————— END OF TASK —————

TASK 25-21-12-400-802

5. Emergency Exit Door Window Shade and Reveal Installation

(Figure 402)

A. General

- (1) Each emergency exit door has a window shade and reveal assembly.
- (2) The 737-600 and the 737-700 airplanes have a Left Emergency Exit Door at STA 627.5 and a Right Emergency Exit Door at STA 627.5.
- (3) The 737-800 airplanes have Left Emergency Exit Doors at STA 589.5 and STA 627.5, and Right Emergency Exit Doors at STA 589.5 and STA 627.5.

EFFECTIVITY HAP ALL	
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B. References

Reference	Title
52-22-51-400-801	Emergency Exit Door Lining Installation (P/B 401)

C. Location Zones

Zone	Area
832	Left Forward Emergency Exit
833	Left Emergency Exit (STA 627.5)
842	Right Forward Emergency Exit
843	Right Emergency Exit (STA 627.5)

D. Procedure

SUBTASK 25-21-12-420-004

- (1) Attach the shade roller assembly [24] to the support assembly.
 - (a) Turn the roller shaft 8 to 12 full turns to preload the window shade spring.

NOTE: Look at the spring end of the roller and wind the shade clockwise.
 - (b) Turn the attach clip [25] to install the window shade roller assembly [24] to the support assembly.

SUBTASK 25-21-12-420-005

- (2) Attach the spacer ring [21] and the reveal assembly [22] to the support assembly.
 - (a) Install the spring clips [23].

SUBTASK 25-21-12-420-006

- (3) Do this task: Emergency Exit Door Lining Installation, TASK 52-22-51-400-801.

————— **END OF TASK** —————

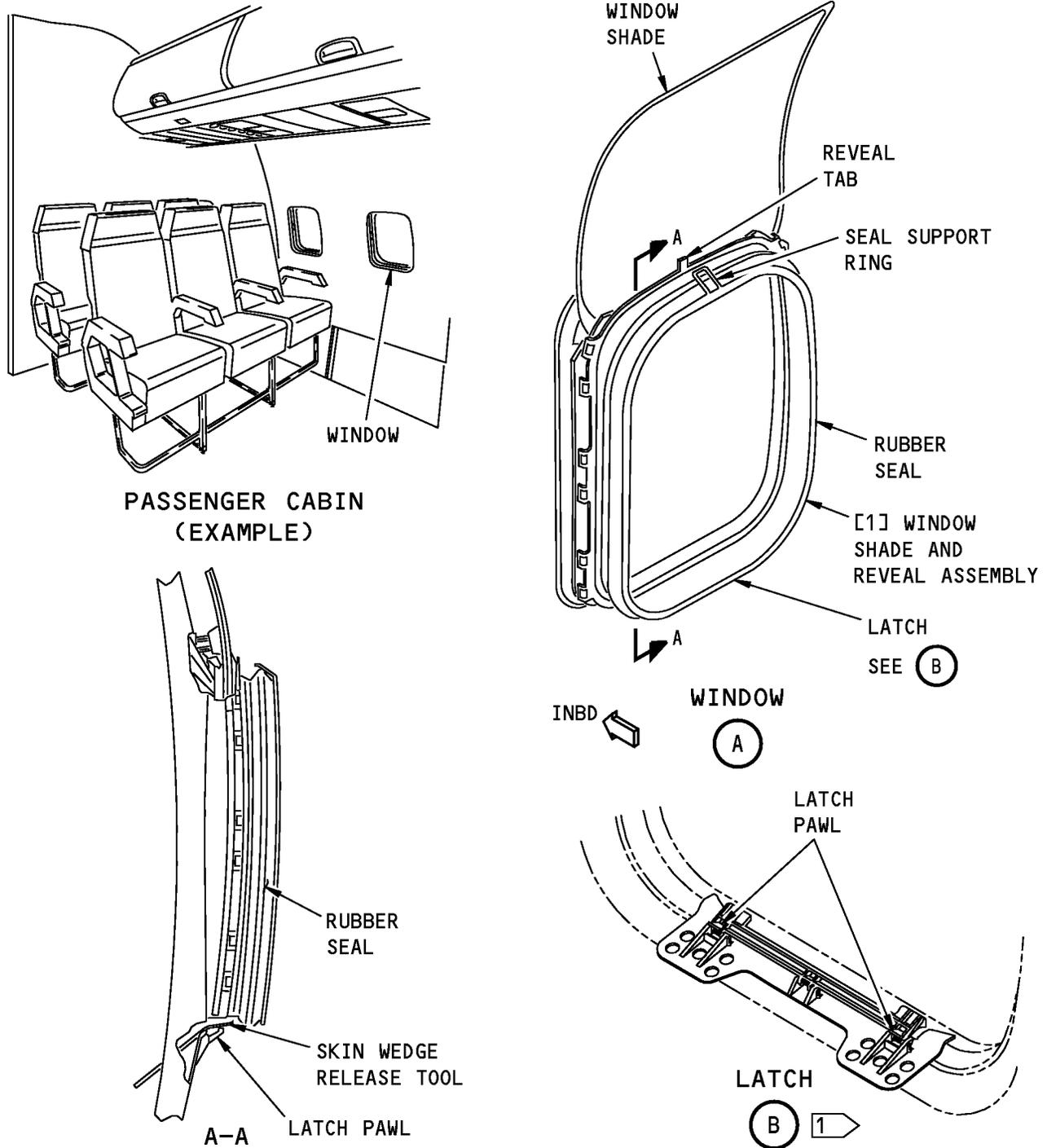
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1 NOT ALL WINDOW ASSEMBLIES ARE THE SAME. SOME MAY HAVE A LATCH AND PAWL AT THE BOTTOM OF THE WINDOWSILL, OTHERS ARE SNAP FIT, WITH NO NEED FOR A SKIN WEDGE RELEASE TOOL.

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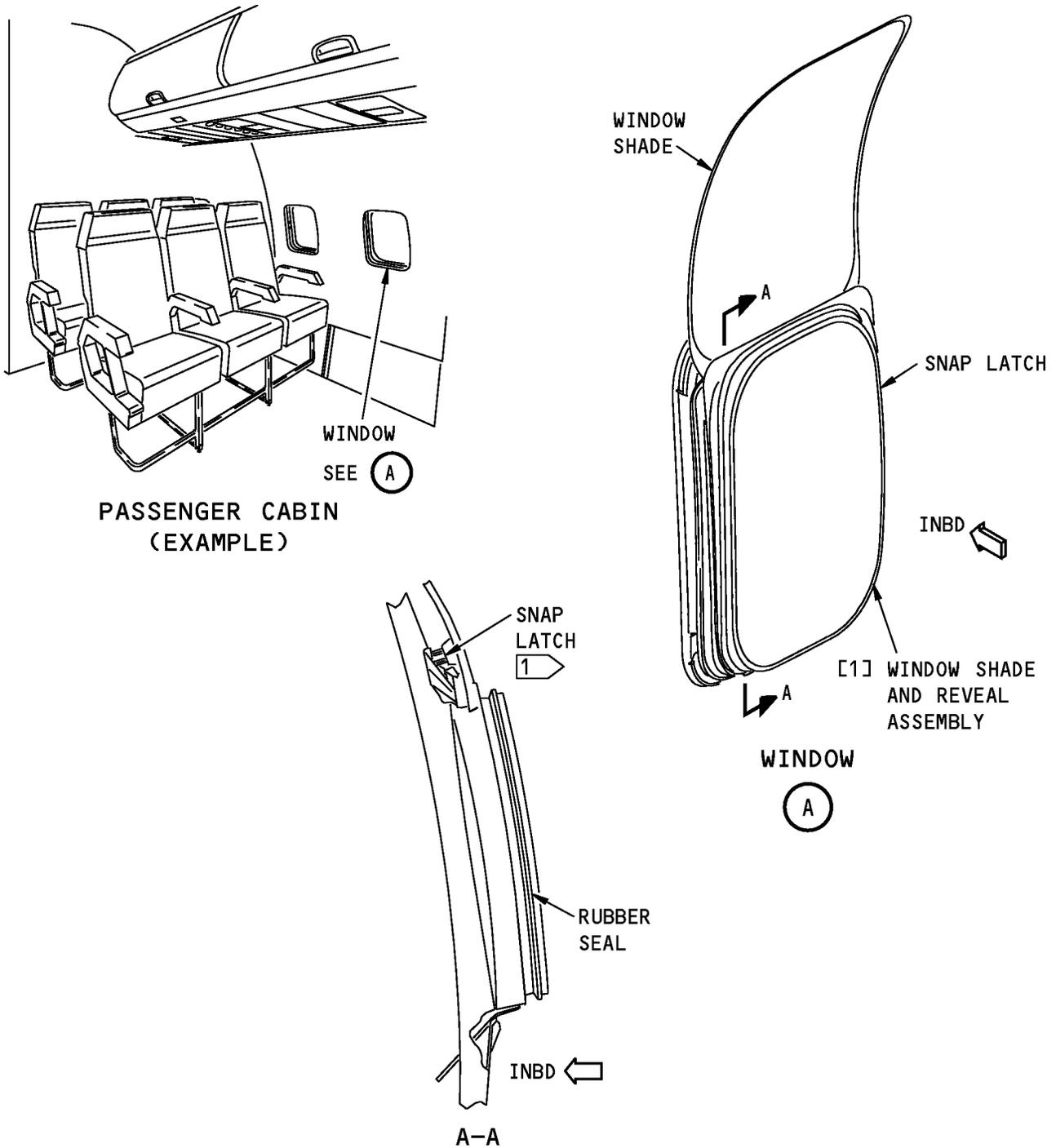
Window Shade and Reveal Installation
Figure 401 (Sheet 1 of 2)/25-21-12-990-801

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1 NOT ALL WINDOW ASSEMBLIES ARE THE SAME. SOME MAY HAVE A LATCH AND PAWL AT THE BOTTOM OF THE WINDOWSILL, OTHERS ARE SNAP FIT, WITH NO NEED FOR A SKIN WEDGE RELEASE TOOL.

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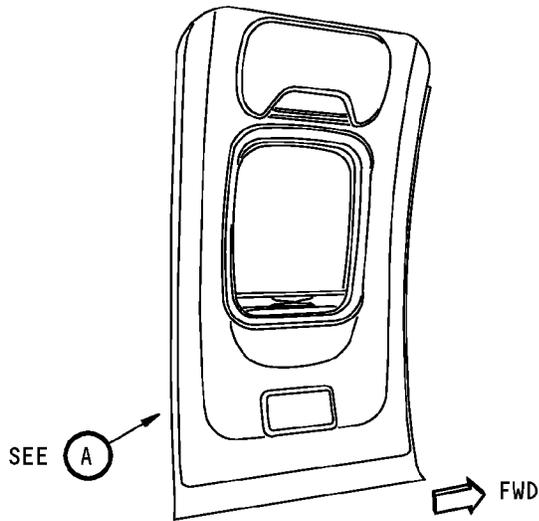
Window Shade and Reveal Installation
Figure 401 (Sheet 2 of 2)/25-21-12-990-801

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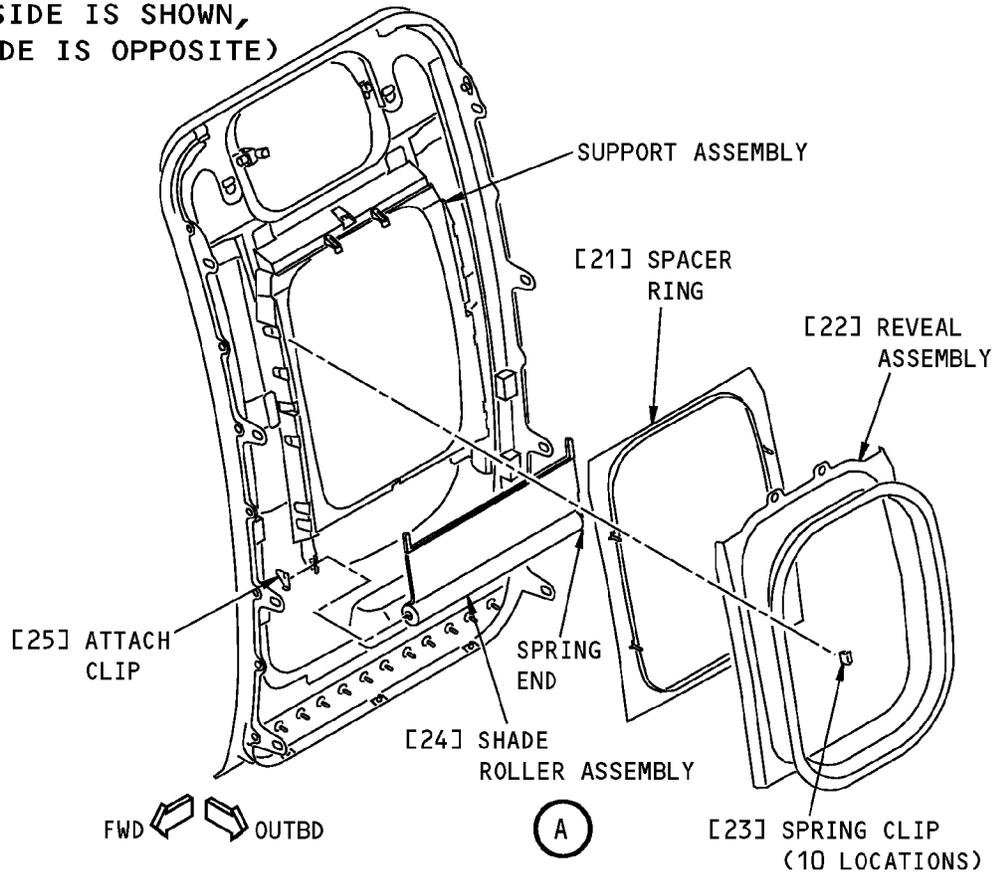
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**EMERGENCY EXIT DOOR LINER
(EXAMPLE)
(LEFT SIDE IS SHOWN,
RIGHT SIDE IS OPPOSITE)**



**Emergency Exit Door Window Shade and Reveal Installation
Figure 402/25-21-12-990-802**

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EMERGENCY EXIT DOORWAY LINING - REMOVAL/INSTALLATION

1. General

- A. This procedure has these tasks:
(1) Emergency Exit Doorway Lining Removal,
(2) Emergency Exit Doorway Lining Installation.

TASK 25-21-20-000-801

2. Emergency Exit Doorway Lining Removal

(Figure 401)

A. References

Table with 2 columns: Reference, Title. Row: 25-21-46-000-801, Sidewall Panel Removal (P/B 401)

B. Location Zones

Table with 2 columns: Zone, Area. Includes HAP 001-013, 015-026, 028-054 and HAP ALL with zones 832-843.

C. Procedure

SUBTASK 25-21-20-860-001

- (1) Open these circuit breakers and install safety tags:

CAPT Electrical System Panel, P18-3

Table with 4 columns: Row, Col, Number, Name. Lists circuit breakers A, B with passenger cabin lighting emergency charger labels.

Power Distribution Panel Number 1, P91

Table with 4 columns: Row, Col, Number, Name. Lists circuit breaker A with door area heater label.

HAP 037-054, 101-999

Table with 4 columns: Row, Col, Number, Name. Lists circuit breaker D with door area heater label.

Power Distribution Panel Number 2, P92

Table with 4 columns: Row, Col, Number, Name. Lists circuit breakers E with window light labels.

Effectivity box containing HAP ALL

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SUBTASK 25-21-20-010-001

WARNING: MAKE SURE THE DOOR OPENING PATH IS CLEAR BEFORE YOU RELEASE THE DOOR HANDLE. THE DOOR IS SPRING LOADED TO OPEN AUTOMATICALLY AND INJURIES COULD OCCUR.

(2) Open the emergency exit door.

SUBTASK 25-21-20-010-002

(3) Remove the seat intrusion control block [15], if applicable.

(a) Remove the screws [16] and the washers [17].

(b) Remove the seat intrusion control block [15].

SUBTASK 25-21-20-010-003

(4) Remove a sidewall panel adjacent to the emergency exit door. To remove a sidewall panel, do this task: Sidewall Panel Removal, TASK 25-21-46-000-801.

SUBTASK 25-21-20-020-001

(5) Remove the closeout lining assembly [1].

(a) Pull the closeout lining assembly [1] up and inboard.

(b) Remove the screws [2] and the washers [3].

(c) Disconnect the heater blanket electrical lead [4].

(d) Remove the closeout lining assembly [1].

SUBTASK 25-21-20-020-002

(6) Remove the trim strip assemblies [8] and [9].

NOTE: The trim strip assembly [8] is opposite the trim strip assembly [9]. Use the same procedure to remove the trim strip assemblies.

(a) Remove the screw [6] and the dimpled washer [7].

(b) Remove the nuts [10] and the washers [11] and [12].

(c) Disconnect the heater blanket electrical wiring.

(d) Remove the trim strip assemblies [8] and [9].

SUBTASK 25-21-20-020-003

(7) Remove the upper lining assembly [5].

(a) Disengage the zipper that attaches the seal on the upper lining assembly [5] to the moisture control seal.

(b) Remove the screws [13] and the washers [14].

(c) Disconnect the emergency exit light wiring.

(d) Remove the upper lining assembly [5].

————— **END OF TASK** —————

TASK 25-21-20-400-801

3. Emergency Exit Doorway Lining Installation

(Figure 401)

A. References

Reference	Title
25-21-46-400-801	Sidewall Panel Installation (P/B 401)

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B. Location Zones

Zone	Area
HAP 001-013, 015-026, 028-054	
832	Left Forward Emergency Exit
833	Left Emergency Exit (STA 627.5)
842	Right Forward Emergency Exit
843	Right Emergency Exit (STA 627.5)
HAP ALL	

C. Procedure

SUBTASK 25-21-20-860-002

- (1) Make sure that these circuit breakers are open and have safety tags:

CAPT Electrical System Panel, P18-3

Row	Col	Number	Name
A	10	C01357	PASSENGER CABIN LIGHTING EMER CHGR L AFT
B	10	C01358	PASSENGER CABIN LIGHTING EMER CHGR R AFT

Power Distribution Panel Number 1, P91

Row	Col	Number	Name
HAP 001-013, 015-026, 028-036			
A	16	C01280	DOOR AREA HTR-FWD

HAP 037-054, 101-999

D	9	C01280	DOOR AREA HTR-FWD
---	---	--------	-------------------

Power Distribution Panel Number 2, P92

Row	Col	Number	Name
HAP ALL			
E	11	C00594	WINDOW LIGHT RIGHT
E	12	C00776	WINDOW LIGHT LEFT

SUBTASK 25-21-20-420-001

- (2) Install the upper lining assembly [5].
- Connect the emergency exit light wiring.
 - Bend the clips on the upper lining assembly [5] a small amount to install them below the sidewall that is installed.
NOTE: Make sure that the electrical wires are put behind the upper lining assembly [5].
 - Put the top of the upper lining assembly [5] into the slot in the A/C extrusion.
NOTE: Use the slotted holes to adjust the upper lining assembly [5] to touch the A/C extrusion.
 - Install the screws [13] and the washers [14].
NOTE: Do not tighten the screws [13].

SUBTASK 25-21-20-420-002

- (3) Install the trim strip assemblies [8] and [9].
- NOTE: The trim strip assembly [8] is opposite the trim strip assembly [9]. Use the same procedure to install the trim strip assemblies.

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- (a) Connect the heater blanket electrical wiring.
- (b) Put the top of the trim assemblies [8] and [9] below the upper lining assembly [5].
- (c) Install the screw [6] and the dimpled washer [7].
- (d) Install the washers [11] and [12] and the nuts [10].

NOTE: Add or remove the washers [12] to make sure that the distance between the linings on the forward and the aft sides is the same.

SUBTASK 25-21-20-420-003

- (4) Complete the installation of the upper lining assembly [5].
 - (a) Push up on the upper lining assembly [5] and tighten the screws [13].
 - (b) Engage the zipper to attach the seal on the upper lining assembly [5] to the moisture seal.

SUBTASK 25-21-20-420-004

- (5) Install the closeout lining assembly [1].
 - (a) Connect the heater blanket electrical lead [4].
 - (b) Engage the bottom of the trim assembly [8] and [9] into the closeout lining assembly [1].
 - (c) Install the screws [2] and the washers [3].

SUBTASK 25-21-20-410-001

- (6) Do this task: Sidewall Panel Installation, TASK 25-21-46-400-801.

SUBTASK 25-21-20-410-002

- (7) Install the seat intrusion control block [15], if applicable.
 - (a) Install the washers [16] and the washers [17].

NOTE: Install the washers [17] between the air grille and the seat intrusion control block [15] as necessary to fill in the space between the air grilles.

SUBTASK 25-21-20-410-003

- (8) Close the emergency exit door.
 - (a) Engage the prop support assembly on the rear side of the closeout lining assembly [1].
 - (b) Close the emergency exit door.

SUBTASK 25-21-20-860-003

- (9) Remove the safety tags and close these circuit breakers:

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	10	C01357	PASSENGER CABIN LIGHTING EMER CHGR L AFT
B	10	C01358	PASSENGER CABIN LIGHTING EMER CHGR R AFT

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
HAP 001-013, 015-026, 028-036			
A	16	C01280	DOOR AREA HTR-FWD
HAP 037-054, 101-999			
D	9	C01280	DOOR AREA HTR-FWD

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HAP 037-054, 101-999 (Continued)

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
HAP ALL			
E	11	C00594	WINDOW LIGHT RIGHT
E	12	C00776	WINDOW LIGHT LEFT

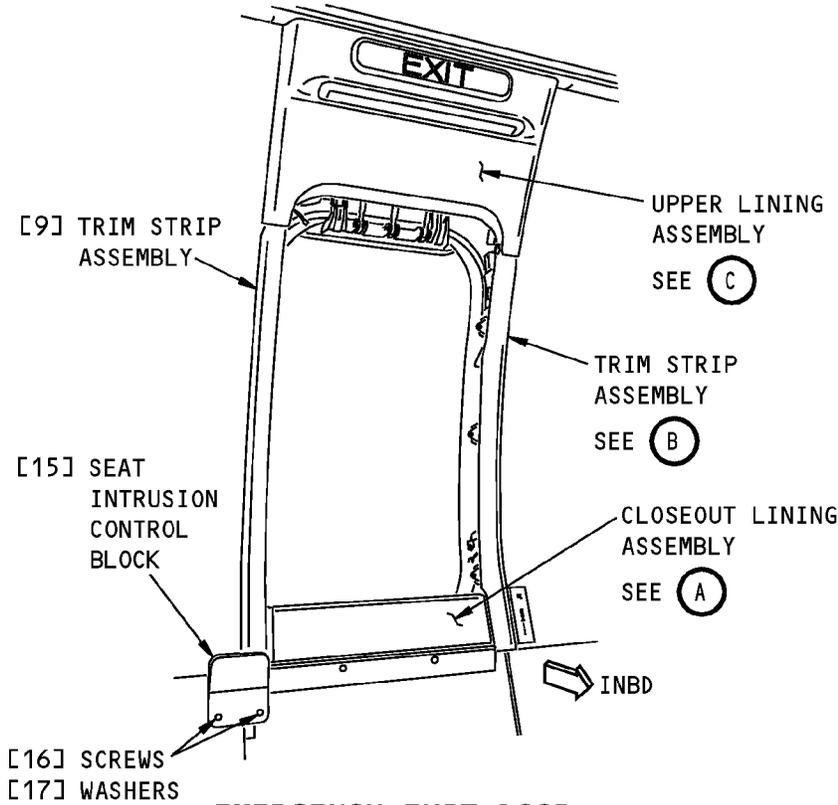
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EFFECTIVITY
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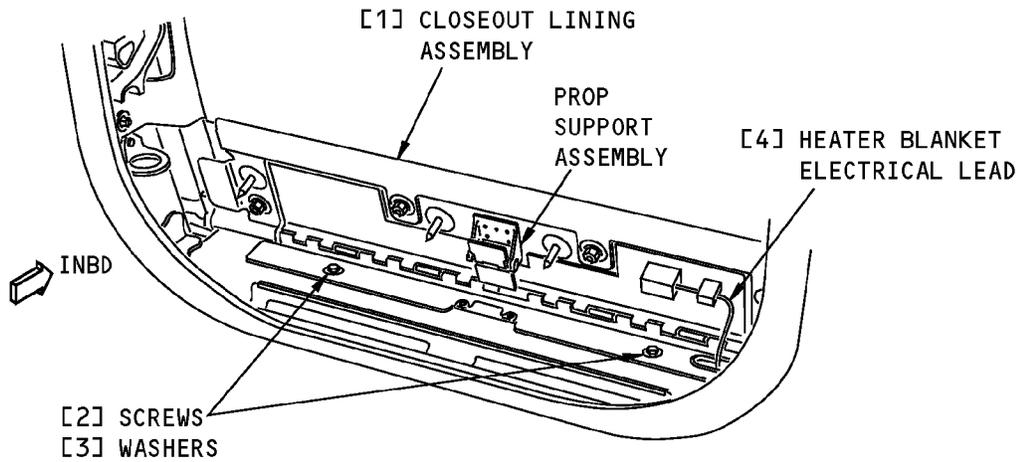
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**EMERGENCY EXIT DOOR
(EXAMPLE)**



**CLOSEOUT LINING ASSEMBLY
(EXAMPLE)**

(A)

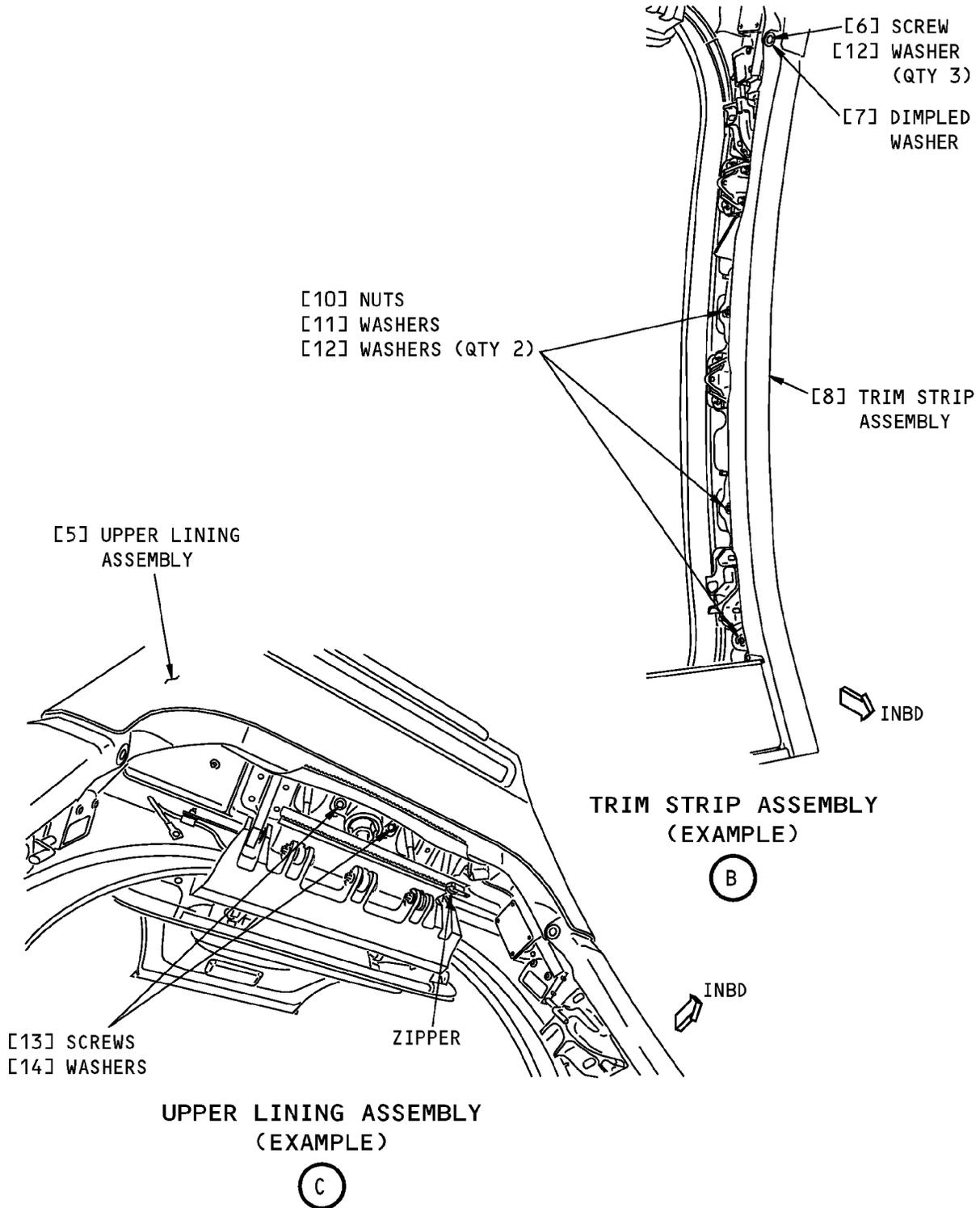
**Emergency Exit Doorway Lining Installation
Figure 401 (Sheet 1 of 2)/25-21-20-990-801**

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**Emergency Exit Doorway Lining Installation
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DOORWAY HEADER PANEL, AFT DOORS - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) A task to remove the doorway header panel from the aft doors,
- (2) A task to install the doorway header panel at the aft doors.

B. These tasks are applicable to the left and the right aft doors.

TASK 25-21-24-000-801

2. Doorway Header Panel Removal, Aft Doors

(Figure 401)

A. Location Zones

Zone	Area
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

B. Procedure

SUBTASK 25-21-24-020-001

- (1) Remove the seal depressor [8] and retainers [7]. To remove them, pull back the seal depressor [8] and remove the screws [9].

SUBTASK 25-21-24-020-002

- (2) Remove the plug buttons [5] that are along the top edge of the panel [2].

SUBTASK 25-21-24-020-003

- (3) Hold the panel up and remove the bolts [4] at the top edge of the panel and the screws [6] at the door opening.

SUBTASK 25-21-24-020-004

- (4) Lower the panel [2] until you can disconnect the ECS duct and the electrical connector.

SUBTASK 25-21-24-020-005

- (5) Remove the panel [2].

————— **END OF TASK** —————

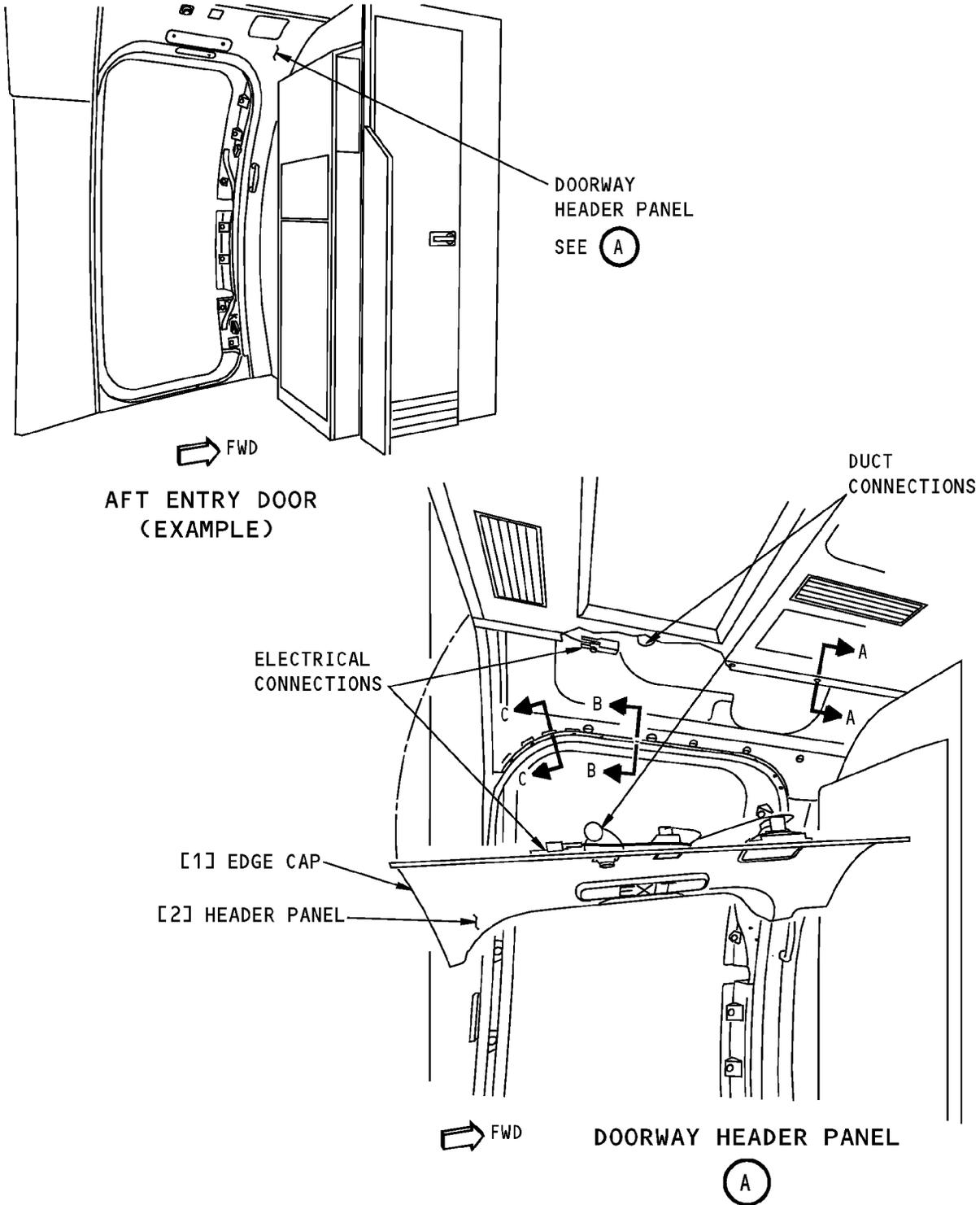
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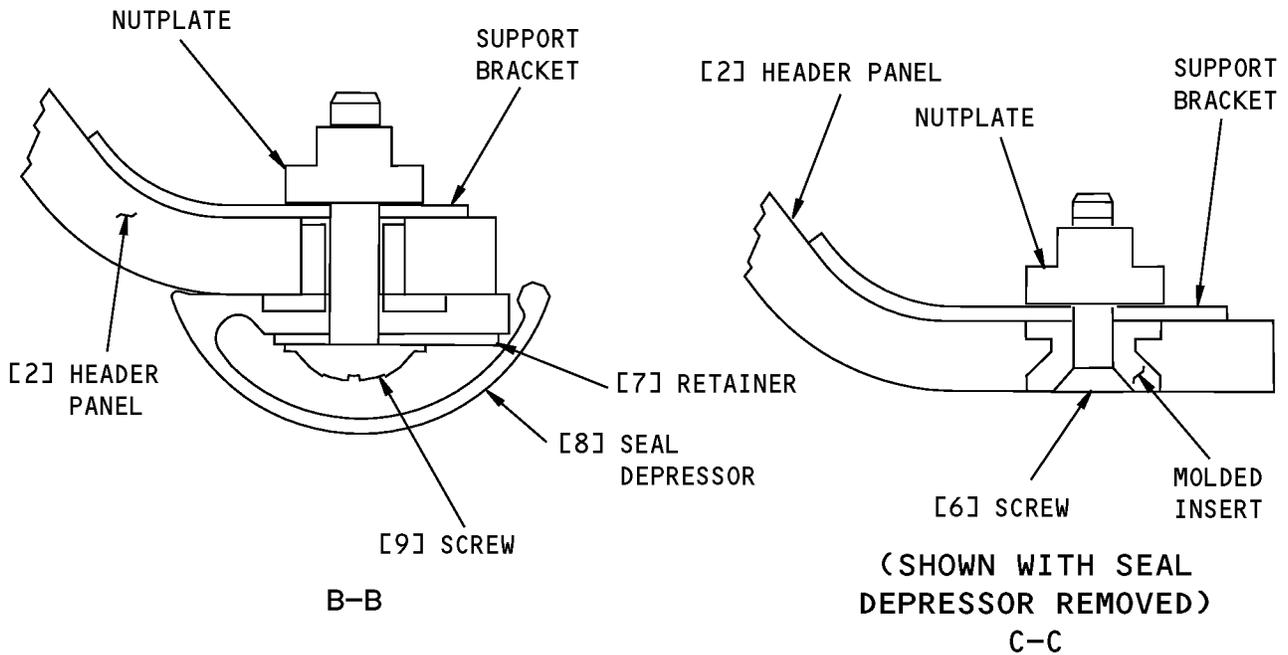
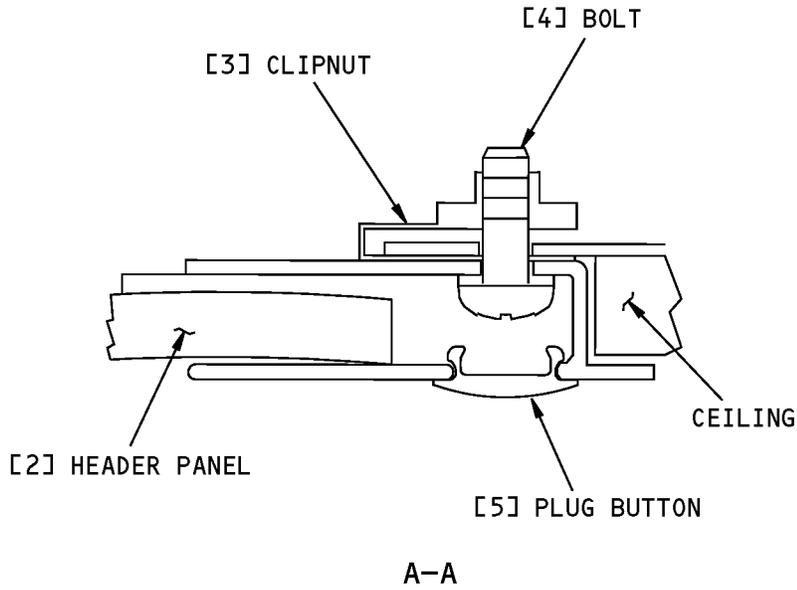


**Aft Doorway Header Panel Installation
Figure 401 (Sheet 1 of 2)/25-21-24-990-801**

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**Aft Doorway Header Panel Installation
Figure 401 (Sheet 2 of 2)/25-21-24-990-801**

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AIRCRAFT MAINTENANCE MANUAL

TASK 25-21-24-400-801

3. Doorway Header Panel Installation, Aft Doors

(Figure 401)

A. Consumable Materials

Reference	Description	Specification
A00027	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010, Type 60

B. Location Zones

Zone	Area
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

C. Prepare for the Installation

SUBTASK 25-21-24-420-001

(1) If you will install a new panel [2], then do these steps:

- (a) Apply adhesive, A00027 (clear grade 2), to the back edge of the panel where you will install the edge cap [1].
- (b) Put the edge cap [1] on the panel.
- (c) After you install the panel (per the steps below) adjust the edge cap [1] so that it touches the adjacent wall.

SUBTASK 25-21-24-420-002

(2) If you will install the same panel [2] that you removed, then do these steps:

- (a) Hold the panel in its position and make sure the edge cap [1] aligns with the adjacent wall satisfactorily.
- (b) If there is a large clearance between the edge cap and the wall, or if the screw holes in the panel will not align with the nut plates (because the edge cap touches the wall), then do these steps:
 - 1) Remove the edge cap [1] from the panel. It is held with adhesive, A00027.
 - 2) Apply new adhesive, A00027 (clear grade 2), to the back edge of the panel.
 - 3) Put the edge cap [1] back on the panel.
 - 4) After you install the panel (per the steps below) adjust the edge cap [1] so that it touches the adjacent wall.

D. Procedure

SUBTASK 25-21-24-420-003

(1) Hold the panel [2] up and connect the electrical connector and the ECS duct.

SUBTASK 25-21-24-420-004

(2) Install the bolts [4] at top of the panel, and the screws [6] around the door opening.

SUBTASK 25-21-24-420-005

(3) Install the seal depressor [8] and retainers [7] with the screws [9].

SUBTASK 25-21-24-420-006

(4) Install the plug buttons [5] along the top edge of the panel [2].

————— **END OF TASK** —————

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HAP ALL

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AIRCRAFT MAINTENANCE MANUAL

SIDEWALL LINING PANELS (AFT ENTRY AND AFT SERVICE DOORWAYS) - REMOVAL/INSTALLATION

1. General

A. This procedure contains two tasks:

- (1) Sidewall Lining Panel Removal (Aft Entry and Service Doorways),
- (2) Sidewall Lining Panel Installation (Aft Entry and Service Doorways).

TASK 25-21-25-020-801

2. Sidewall Lining Panel Removal (Aft Entry and Service Doorways)

(Figure 401)

A. Location Zones

<u>Zone</u>	<u>Area</u>
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

B. Prepare for the Removal

SUBTASK 25-21-25-840-001

- (1) Open this circuit breaker and install safety tag:

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	9	C00119	VAC OUTLET AFT

SUBTASK 25-21-25-840-002

- (2) Remove the cover for the aft electrical outlet.

SUBTASK 25-21-25-840-003

- (3) Remove the passenger equipment if it is necessary to get access to the sidewall lining [2].

C. Procedure

SUBTASK 25-21-25-020-009

- (1) Unfold the rubber seal [3] that covers the seal retainer [1].

SUBTASK 25-21-25-020-010

- (2) Remove the screws [4] and washers [5] that attach the seal retainer [1] to the reveal assembly.

SUBTASK 25-21-25-020-004

- (3) Remove the lining that is aft of the door.

(a) Move the lining forward and remove it.

SUBTASK 25-21-25-020-005

- (4) Remove the lining around the top part of the door opening.

(a) Move the lining down and inboard and remove the lining.

SUBTASK 25-21-25-020-006

- (5) Remove the aid handle that is forward of the entry door, if installed.

SUBTASK 25-21-25-020-008

- (6) Remove the lining that is forward of the door.

(a) Move the lining aft and inboard and remove it.

————— **END OF TASK** —————

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HAP ALL

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TASK 25-21-25-420-801

3. Sidewall Lining Panel Installation (Aft Entry and Service Doorways)

(Figure 401)

A. Location Zones

<u>Zone</u>	<u>Area</u>
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

B. Procedure

SUBTASK 25-21-25-420-001

(1) Move the lining edges into the slot at the trim angle and onto the reveal assembly.

SUBTASK 25-21-25-420-003

(2) Install the rubber seal [3] around the door opening.

SUBTASK 25-21-25-420-007

(3) Install the seal retainer [1] over the bottom of the rubber seal [3].

SUBTASK 25-21-25-420-008

(4) Attach the seal retainer [1] to the reveal assembly with screws [4] and washers [5].

SUBTASK 25-21-25-420-004

(5) Install the aid handle that is forward of the entry door, if applicable.

C. Put the Airplane Back to Its Usual Condition.

SUBTASK 25-21-25-420-006

(1) Install any equipment which you may have removed to gain access.

SUBTASK 25-21-25-840-005

(2) Install the cover for the aft electrical outlet.

SUBTASK 25-21-25-840-006

(3) Remove the safety tag and close this circuit breaker:

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
E	9	C00119	VAC OUTLET AFT

————— **END OF TASK** —————

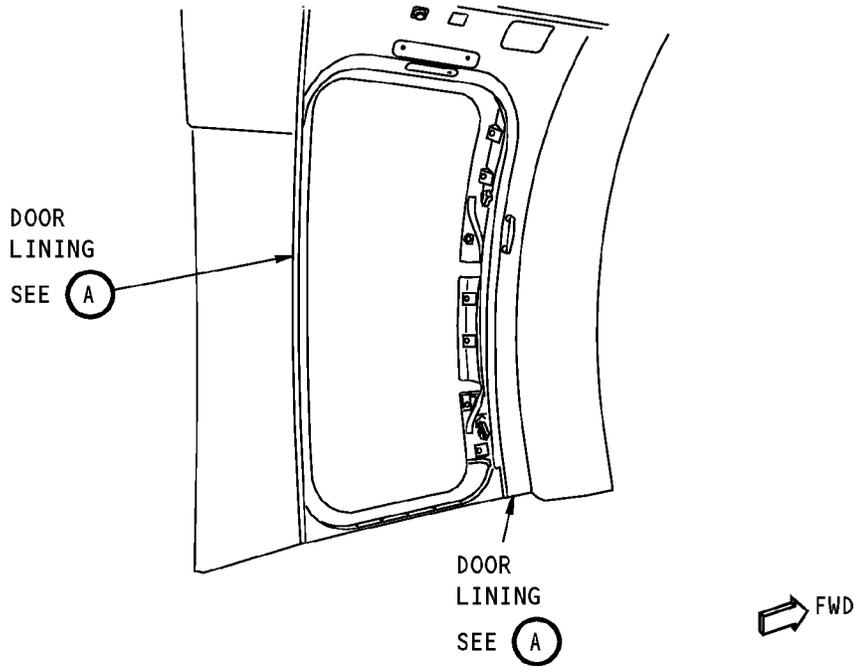
EFFECTIVITY
HAP ALL

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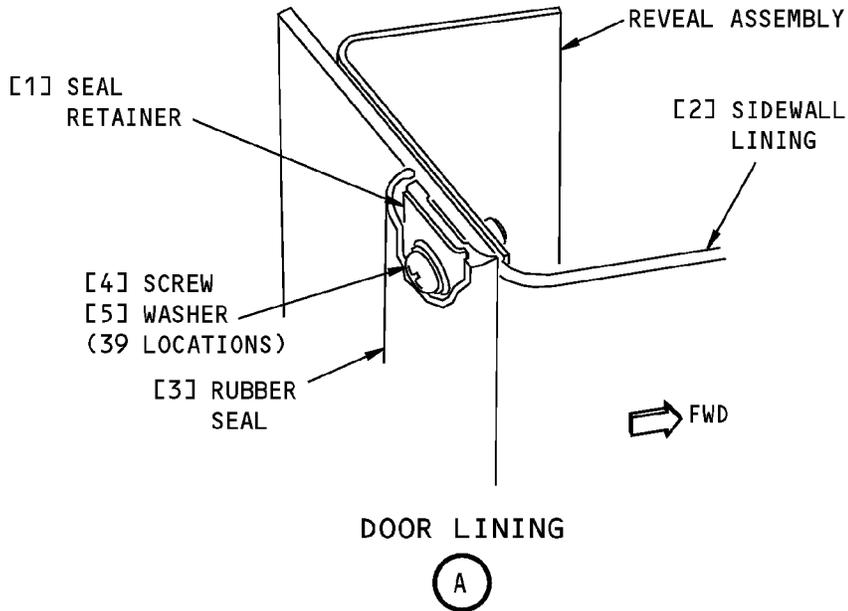
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**AFT ENTRY DOOR
(AFT SERVICE DOOR IS OPPOSITE)**



**Sidewall Lining Panels (Aft Entry and Service Door) Installation
Figure 401/25-21-25-990-801**

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AIRCRAFT MAINTENANCE MANUAL

DOORWAY HEADER PANEL, FORWARD ENTRY DOOR - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) A task to remove the doorway header panel from the forward entry door,
- (2) A task to install the doorway header panel at the forward entry door.

TASK 25-21-30-020-801

2. Doorway Header Panel Removal, Forward Entry Door

(Figure 401)

A. Procedure

SUBTASK 25-21-30-020-001

- (1) Remove the seal depressor [8] and retainers [7]. To remove them, pull back the seal depressor [8] and remove the screws [9].

SUBTASK 25-21-30-020-002

- (2) Remove the plug buttons [5] that are along the top edge of the panel [2].

SUBTASK 25-21-30-020-003

- (3) Hold the panel up and remove the bolts [4] at the top edge of the panel and the screws [6] at the door opening.

SUBTASK 25-21-30-020-004

- (4) Lower the panel [2] until you can disconnect the ECS duct and the electrical connector.

SUBTASK 25-21-30-020-005

- (5) Remove the panel [2].

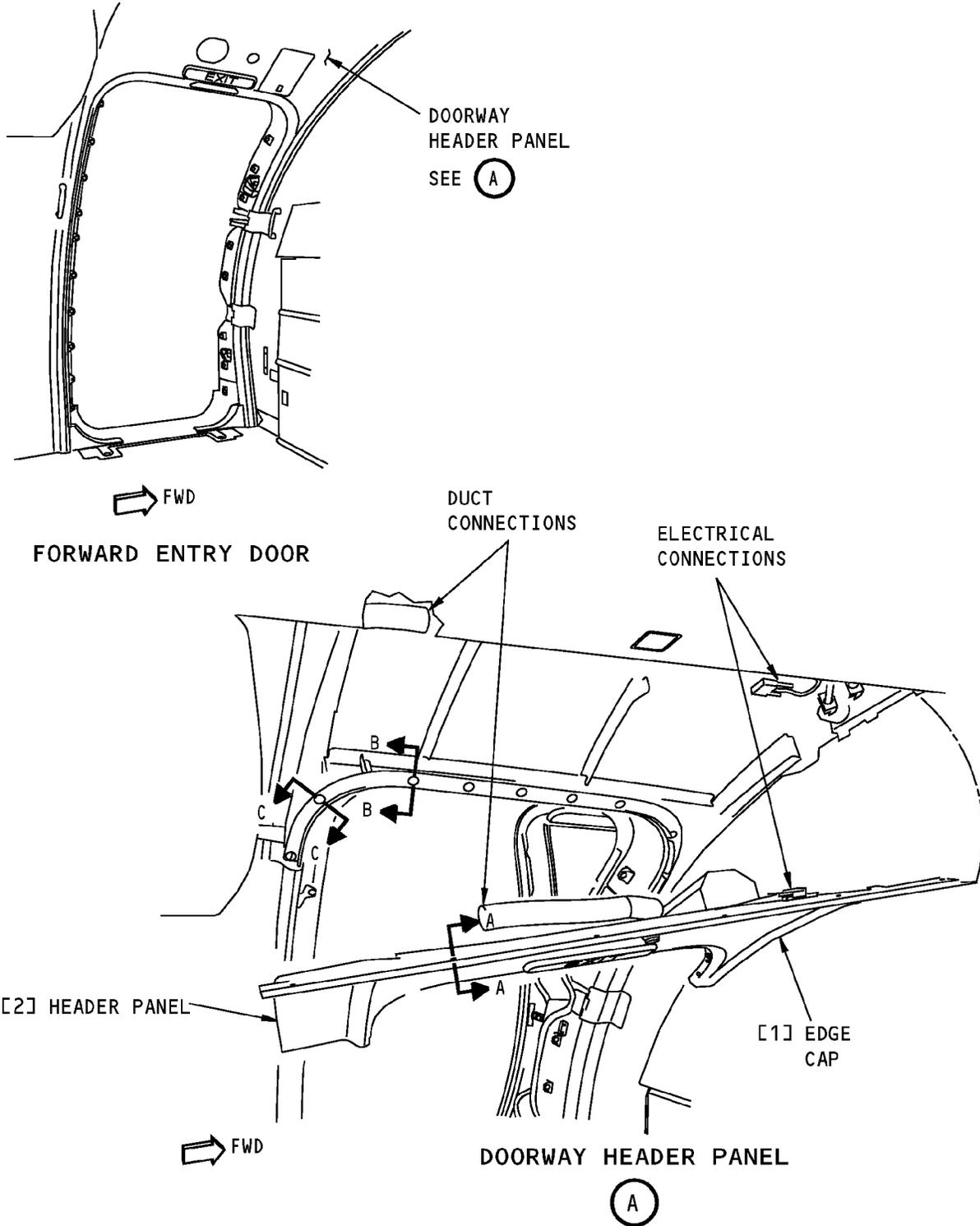
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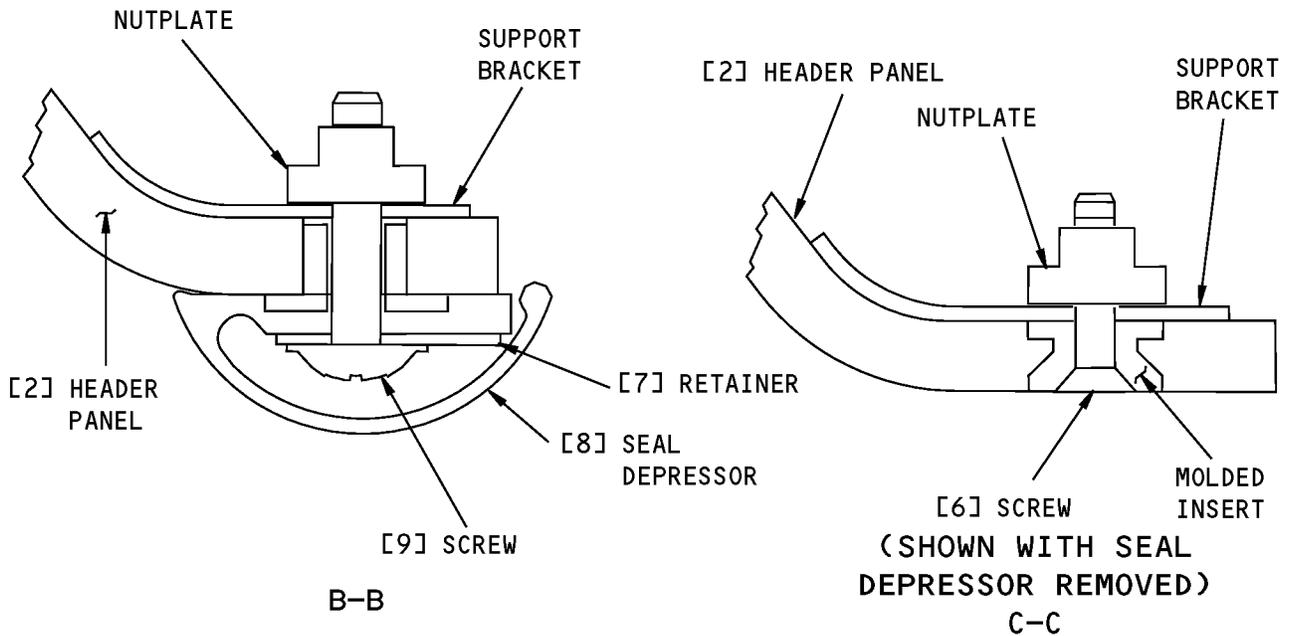
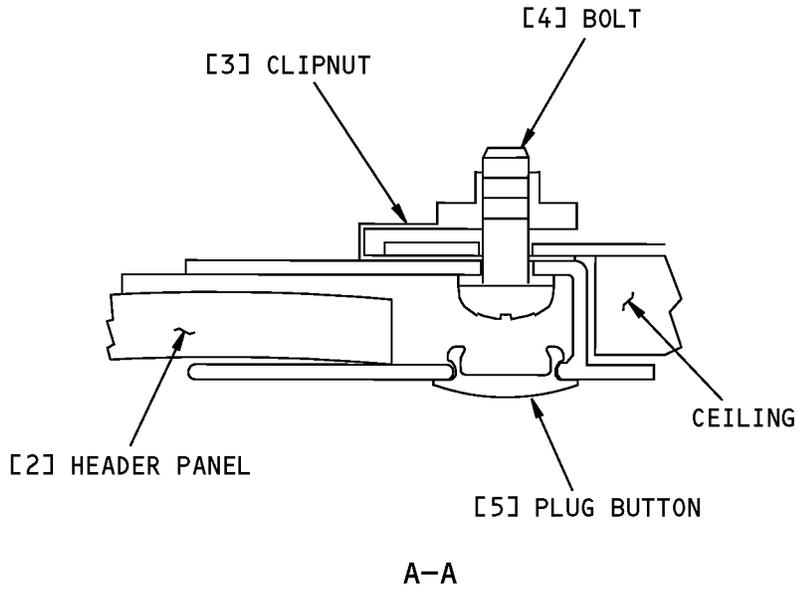


**Forward Entry Doorway Header Panel Installation
Figure 401 (Sheet 1 of 2)/25-21-30-990-801**

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**Forward Entry Doorway Header Panel Installation
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TASK 25-21-30-420-801

3. Doorway Header Panel Installation, Forward Entry Door

(Figure 401)

A. Consumable Materials

Reference	Description	Specification
A00027	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010, Type 60

B. Prepare for the Installation

SUBTASK 25-21-30-420-001

(1) If you will install a new panel [2], then do these steps:

- (a) Apply adhesive, A00027 (clear grade 2), to the back edge of the panel where you will install the edge cap [1].
- (b) Put the edge cap [1] on the panel.
- (c) After you install the panel (per the steps below) adjust the edge cap [1] so that it touches the adjacent wall.

SUBTASK 25-21-30-420-002

(2) If you will install the same panel [2] that you removed, then do these steps:

- (a) Hold the panel in its position and make sure the edge cap [1] aligns with the adjacent wall satisfactorily.
- (b) If there is a large clearance between the edge cap and the wall, or if the screw holes in the panel will not align with the nut plates (because the edge cap touches the wall), then do these steps:
 - 1) Remove the edge cap [1] from the panel. It is held with adhesive, A00027.
 - 2) Apply new adhesive, A00027 (clear grade 2), to the back edge of the panel.
 - 3) Put the edge cap [1] back on the panel.
 - 4) After you install the panel (per the steps below) adjust the edge cap [1] so that it touches the adjacent wall.

C. Procedure

SUBTASK 25-21-30-420-003

(1) Hold the panel [2] up and connect the electrical connector and the ECS duct.

SUBTASK 25-21-30-420-004

(2) Install the bolts [4] at top of the panel, and the screws [6] around the door opening.

SUBTASK 25-21-30-420-005

(3) Install the seal depressor [8] and retainers [7] with the screws [6].

SUBTASK 25-21-30-420-006

(4) Install the plug buttons [5] along the top edge of the panel [2].

————— **END OF TASK** —————

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SIDEWALL LINING PANELS (FORWARD ENTRY DOORWAYS) - REMOVAL/INSTALLATION

1. General

A. This procedure contains two tasks:

- (1) Sidewall Lining Panel Removal (Forward Entry Doorway),
- (2) Sidewall Lining Panel Installation (Forward Entry Door).

TASK 25-21-31-420-801

2. Sidewall Lining Panel Removal (Forward Entry Doorway)

(Figure 401)

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Procedure

SUBTASK 25-21-31-020-001

- (1) Remove the passenger equipment if it is necessary to get access to the sidewall lining panel.

SUBTASK 25-21-31-020-002

- (2) If installed, remove the aid handle that is forward of the galley door.

SUBTASK 25-21-31-020-003

- (3) Remove the rubber seal from the retainer around the door opening.

SUBTASK 25-21-31-020-004

- (4) Remove the screws that attach the trim angle.

- (a) Remove the trim angles with the seal retainer.

SUBTASK 25-21-31-020-005

- (5) Remove the fasteners that attach the panel to the sidewall structure.

SUBTASK 25-21-31-020-006

- (6) Remove the forward and aft kick plates.

SUBTASK 25-21-31-020-007

- (7) Remove the panel that is forward of the door.

- (a) Move the panel aft and remove it.

————— **END OF TASK** —————

TASK 25-21-31-420-802

3. Sidewall Lining Panel Installation (Forward Entry Doorway)

(Figure 401)

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Procedure

SUBTASK 25-21-31-420-001

- (1) Install the panel that is aft of the door.

- (a) Move the panel aft below the trim strip.

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SUBTASK 25-21-31-420-002

(2) Install the panel that is forward of the door.

(a) Move the panel aft into the slot on the open strip and attach fasteners.

SUBTASK 25-21-31-420-003

(3) Install the trim angles and the seal retainer.

SUBTASK 25-21-31-420-004

(4) Install the rubber seal.

SUBTASK 25-21-31-420-005

(5) Install the kick plates.

SUBTASK 25-21-31-420-006

(6) Install the aid handle, if applicable.

SUBTASK 25-21-31-420-007

(7) Install the hinge cover panel.

SUBTASK 25-21-31-420-008

(8) Install all the passenger equipment which you removed for access to doorway lining panels.

————— **END OF TASK** —————

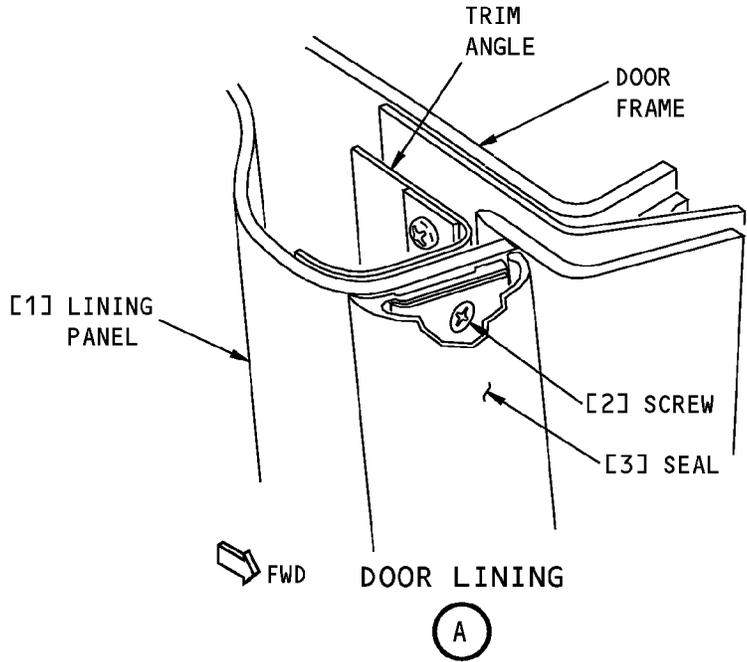
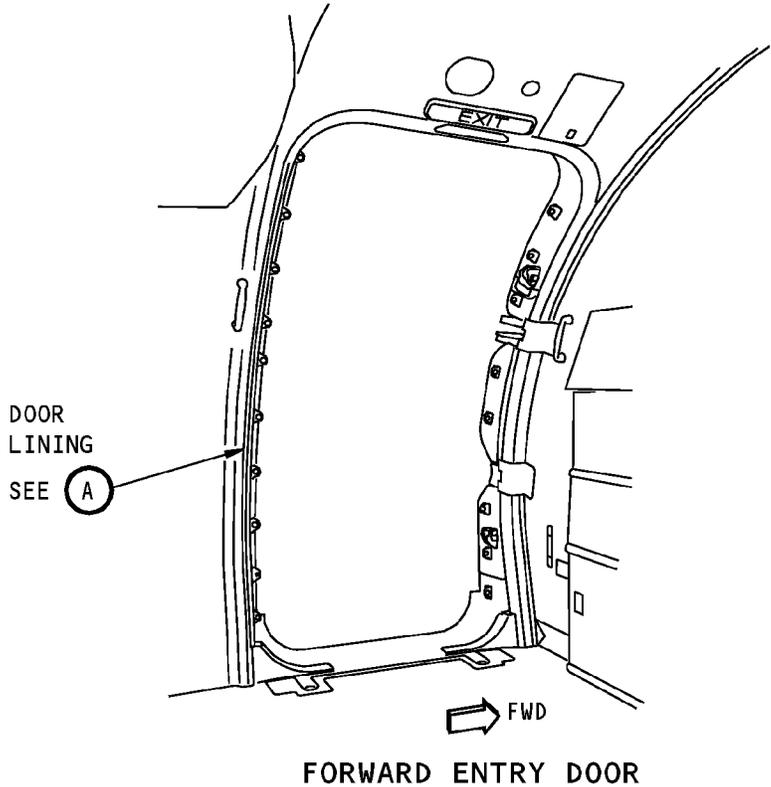
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**Sidewall Lining Panels (Forward Entry Door) Installation
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DOORWAY HEADER PANEL, FORWARD GALLEY DOOR - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) A task to remove the doorway header panel from the forward galley door,
- (2) A task to install the doorway header panel at the forward galley door.

TASK 25-21-34-000-801

2. Doorway Header Panel Removal, Forward Galley Door

(Figure 401)

A. Procedure

SUBTASK 25-21-34-020-001

- (1) Remove the seal depressor [8] and retainers [7]. To remove them, pull back the seal depressor [8] and remove the screws [6].

SUBTASK 25-21-34-020-002

- (2) Remove the plug buttons [5] that are along the top edge of the panel [1].

SUBTASK 25-21-34-020-003

- (3) Hold the panel up and remove the bolts [4] at the top edge of the panel and the screws [6] at the door opening.

SUBTASK 25-21-34-020-004

- (4) Lower the panel [1] until you can disconnect the ECS duct and the electrical connector.

SUBTASK 25-21-34-020-005

- (5) Remove the panel [1].

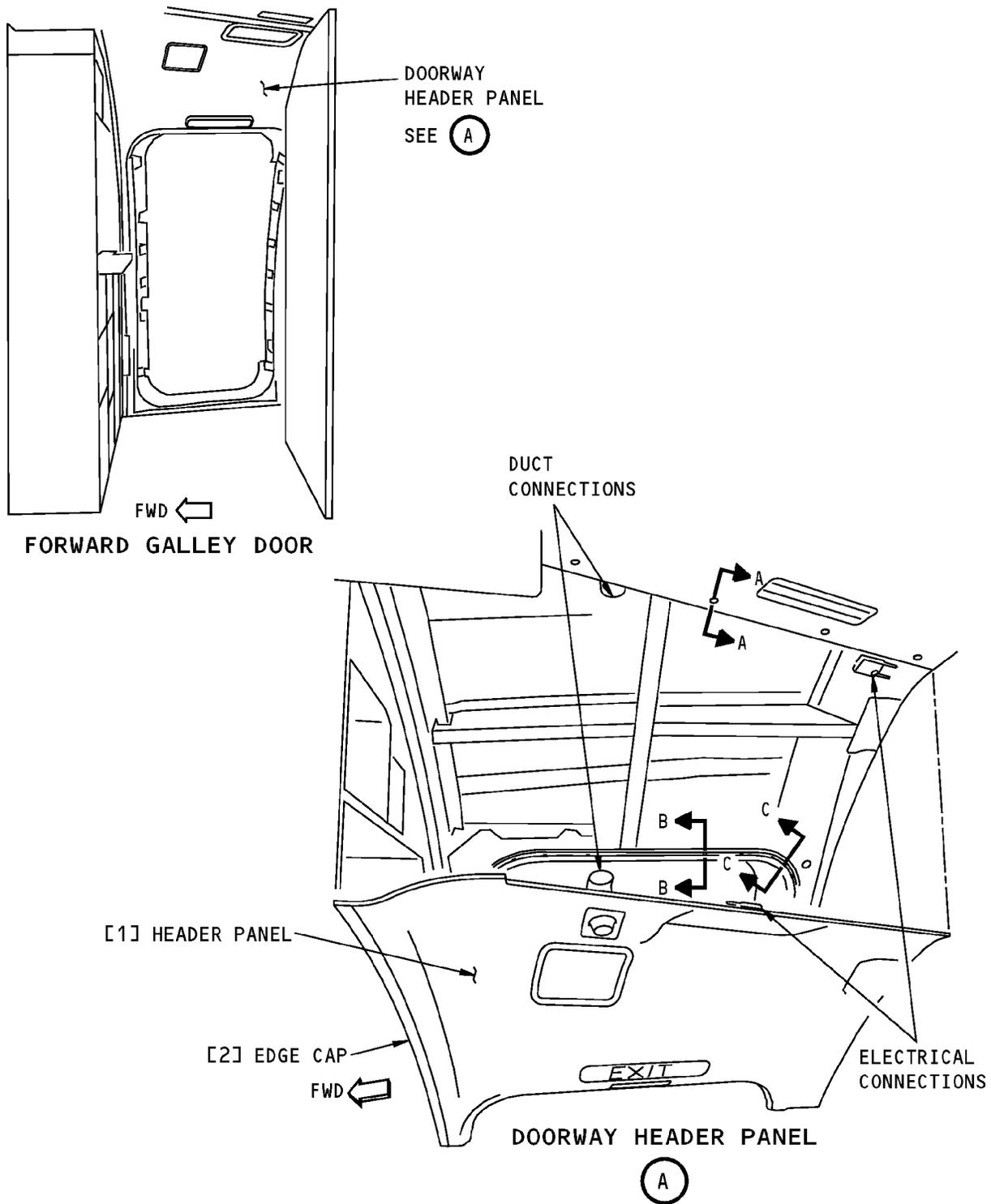
————— **END OF TASK** —————

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**Forward Galley Doorway Header Panel Installation
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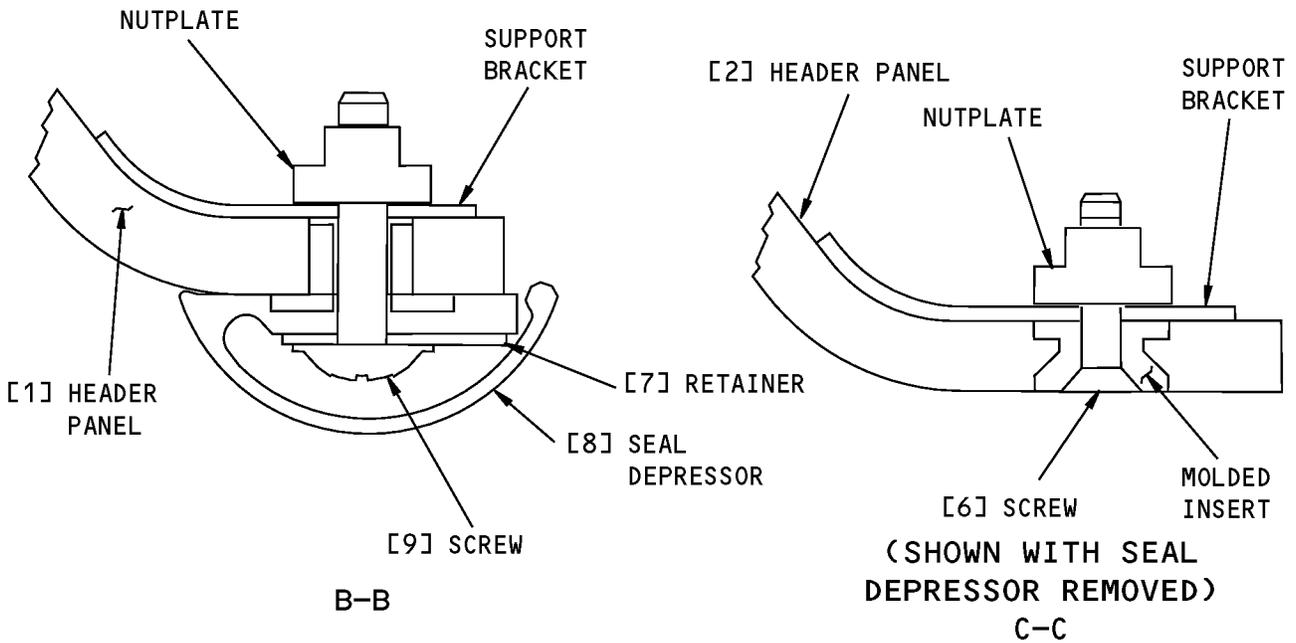
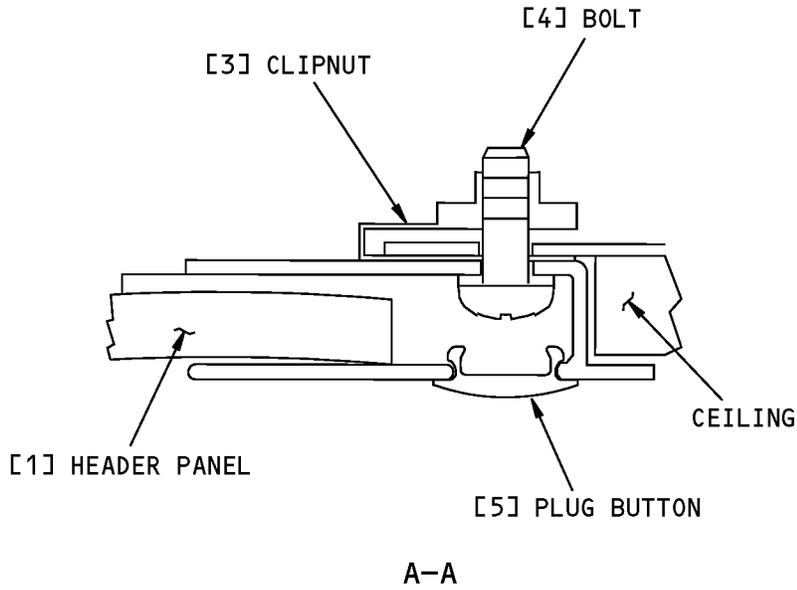
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**Forward Galley Doorway Header Panel Installation
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TASK 25-21-34-400-801

3. Doorway Header Panel Installation, Forward Galley Door

(Figure 401)

A. Consumable Materials

Reference	Description	Specification
A00027	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010, Type 60

B. Prepare for the Installation

SUBTASK 25-21-34-420-001

- (1) If you will install a new panel [1], then do these steps:
 - (a) Apply adhesive, A00027 (clear grade 2), to the back edge of the panel where you will install the edge cap [2].
 - (b) Put the edge cap [2] on the panel.
 - (c) After you install the panel (per the steps below) adjust the edge cap [2] so that it touches the adjacent wall.

SUBTASK 25-21-34-420-002

- (2) If you will install the same panel [1] that you removed, then do these steps:
 - (a) Hold the panel in its position and make sure the edge cap [2] aligns with the adjacent wall satisfactorily.
 - (b) If there is a large clearance between the edge cap and the wall, or if the screw holes in the panel will not align with the nut plates (because the edge cap touches the wall), then do these steps:
 - 1) Remove the edge cap [2] from the panel. It is held with adhesive, A00027.
 - 2) Apply new adhesive, A00027 (clear grade 2), to the back edge of the panel.
 - 3) Put the edge cap [2] back on the panel.
 - 4) After you install the panel (per the steps below) adjust the edge cap [2] so that it touches the adjacent wall.

C. Procedure

SUBTASK 25-21-34-420-003

- (1) Hold the panel [1] up and connect the electrical connector and the ECS duct.

SUBTASK 25-21-34-420-004

- (2) Install the bolts [4] at top of the panel, and the screws [6] around the door opening.

SUBTASK 25-21-34-420-005

- (3) Install the seal depressor [8] and retainers [7] with the screws [9].

SUBTASK 25-21-34-420-006

- (4) Install the plug buttons [5] along the top edge of the panel [1].

————— END OF TASK —————

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DOOR SURROUND PANELS (FORWARD GALLEY DOORWAY) - REMOVAL/INSTALLATION

1. General

A. This procedure has two tasks:

- (1) Door Surround Panel Removal (Forward Galley Doorway),
- (2) Door Surround Panel Installation (Forward Galley Doorway).

TASK 25-21-35-020-801

2. Door Surround Panel Removal (Forward Galley Doorway)

(Figure 401)

A. General

- (1) This procedure only applies to the door surround panel installed on the structure around the forward galley doorway.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-21-35-020-001

- (1) Remove the passenger equipment if it is necessary to get access to the door surround lining panels.

SUBTASK 25-21-35-020-002

- (2) Remove the screws common to the seal and seal retainer.
 - (a) Remove the seal and seal retainer.

SUBTASK 25-21-35-020-003

- (3) Remove the remaining countersunk screws located under the the seal.

SUBTASK 25-21-35-020-004

- (4) Remove the fasteners that attach the panel to the sidewall structure if they are installed.

SUBTASK 25-21-35-020-005

- (5) Remove the panel that is forward of the door.
 - (a) Move the panel up approximately one inch then aft to remove it.

SUBTASK 25-21-35-020-006

- (6) Remove the panel that is aft of the door.
 - (a) Move the panel up approximately one inch then forward to remove it

————— **END OF TASK** —————

TASK 25-21-35-420-801

3. Door Surround Panels Installation (Forward Galley Doorway)

(Figure 401)

A. General

- (1) This procedure only applies to the sidewall lining panels installed on the structure around the forward galley doorway.

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B. Location Zones

<u>Zone</u>	<u>Area</u>
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-21-35-420-001

- (1) Install the panel that is aft of the door.
 - (a) Move the panel aft below the trim strip.

SUBTASK 25-21-35-420-002

- (2) Install the panel that is forward of the door.
 - (a) Move the panel into the slot on the trim strip.

SUBTASK 25-21-35-420-003

- (3) Install the rubber seal and the seal retainer.

SUBTASK 25-21-35-420-004

- (4) Install the passenger equipment removed for access to the sidewall lining panels.

————— **END OF TASK** —————

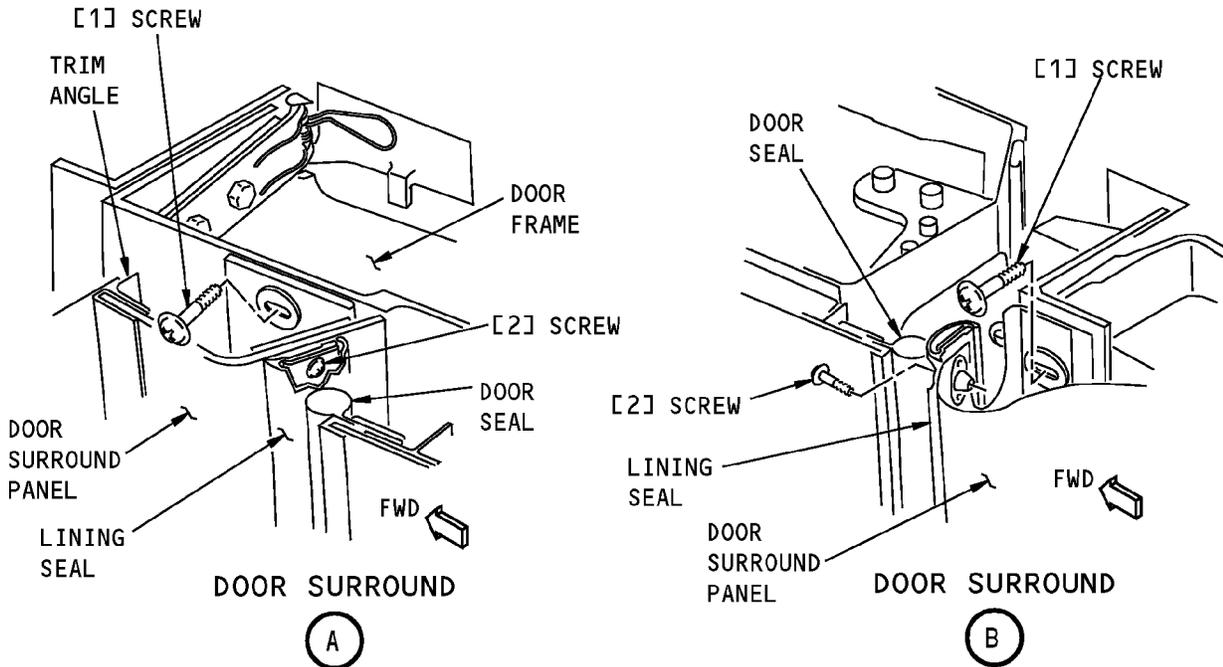
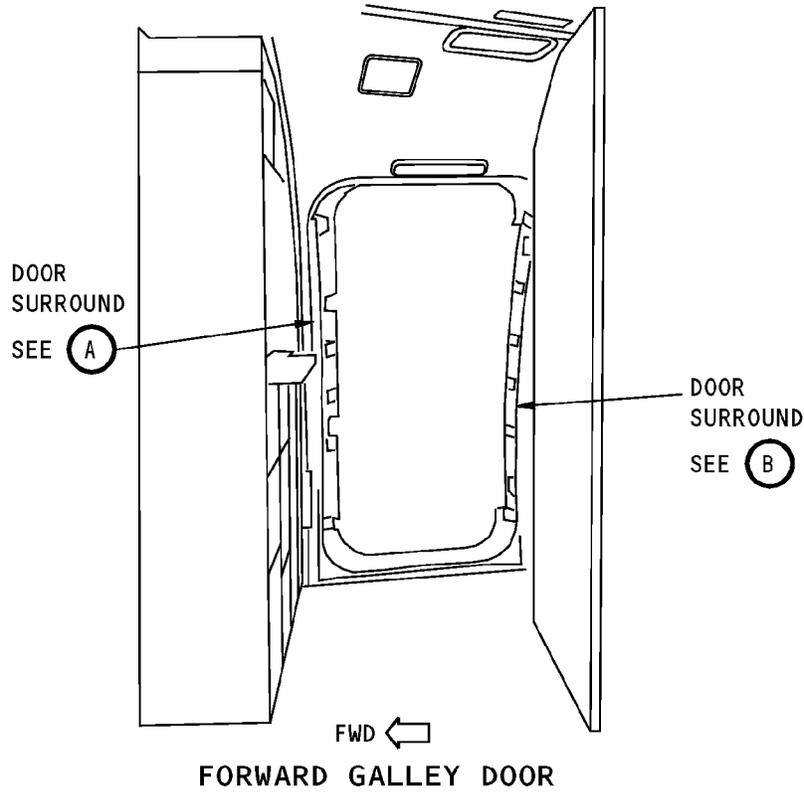
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**Door Surround Panels (Forward Galley Door) Installation
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SCULPTURED CEILING PANEL - REMOVAL/INSTALLATION

1. General

A. This procedure contains the following tasks:

- (1) Sculptured Ceiling Panel Removal,
(2) Sculptured Ceiling Panel Installation.

TASK 25-21-45-000-801

2. Sculptured Ceiling Panel Removal

(Figure 401)

A. Location Zones

Table with 2 columns: Zone, Area. Row 1: 200, Upper Half of Fuselage

B. Procedure

SUBTASK 25-21-45-020-001

CAUTION: BE CAREFUL WITH THE PANELS. PANELS CAN BE DAMAGED IF HIT OR SOILED.

- (1) Depress the release lever to release the hinge (Detail A).

SUBTASK 25-21-45-020-002

- (2) Move the panel outboard (Detail A) until the inboard edge disengages from the air outlet extrusion (Section A-A).

SUBTASK 25-21-45-020-003

- (3) Lower the panel and disconnect the lanyard (Section B-B).

SUBTASK 25-21-45-020-004

- (4) Remove the panel.

END OF TASK

TASK 25-21-45-400-801

3. Sculptured Ceiling Panel Installation

(Figure 401)

A. Location Zones

Table with 2 columns: Zone, Area. Row 1: 200, Upper Half of Fuselage

B. Procedure

SUBTASK 25-21-45-420-001

CAUTION: BE CAREFUL WITH THE PANELS. PANELS CAN BE DAMAGED IF HIT OR SOILED.

- (1) Place the outboard panel edge over the stow bin with the ceiling panel hinge halves resting over the stowbin hinge halves (Detail A).

SUBTASK 25-21-45-420-002

- (2) Connect the lanyards (Section B-B). Be sure that both the short lanyard and the long lanyard lengths are attached for a complete installation.

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SUBTASK 25-21-45-420-003

- (3) Lift and move the panel edge inboard until the edge engages with the air outlet extrusion (Section A-A).

NOTE: The hinges are locked in the inboard position (Detail A).

SUBTASK 25-21-45-420-004

- (4) Align the panels as necessary. Use the adjustments provided by the ceiling hinge as follows:
- (a) Forward and Aft: Rotate the adjustment knob on the locating hinge.
 - (b) Inboard and Outboard: A plus or minus 0.15 adjustment is provided by the slot of the stowbin hinge half.
 - (c) Up and Down: A plus or minus 0.15 adjustment is provided by the slot of the adjustment screw.

NOTE: Be sure to tighten fasteners following adjustments along the slotted holes.

C. Put the Airplane Back to Its Usual Condition

————— **END OF TASK** —————

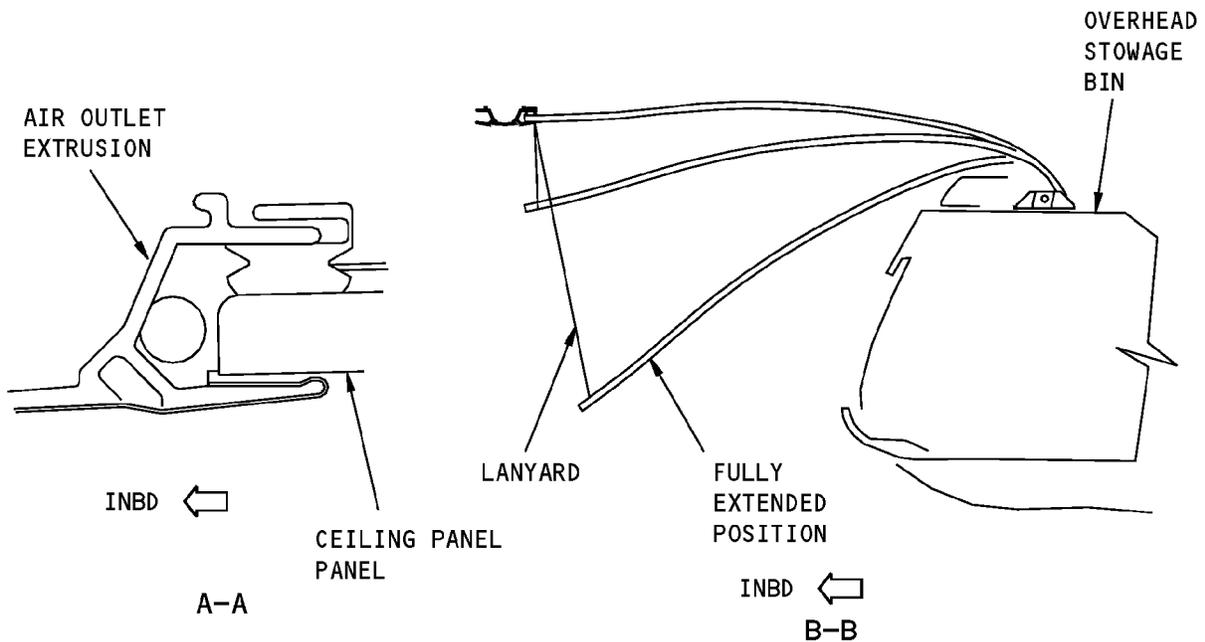
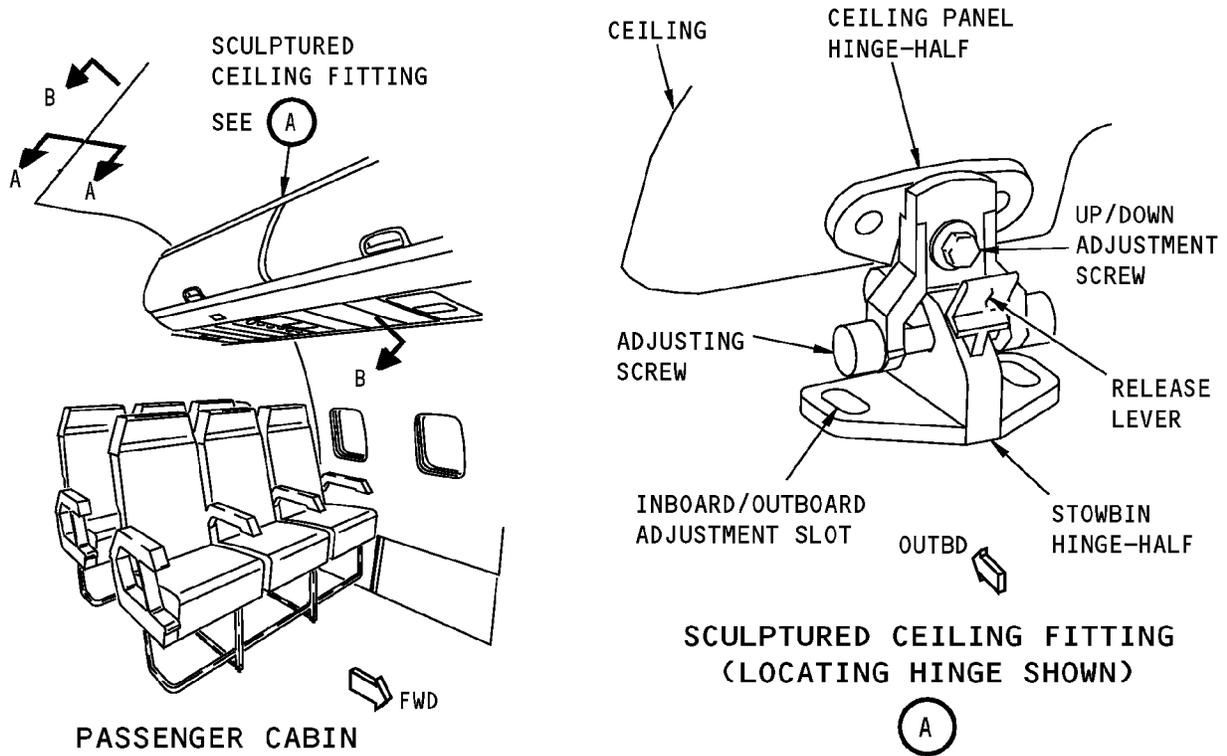
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Sculptured Ceiling Installation
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SIDEWALL PANEL ASSEMBLY - REMOVAL/INSTALLATION

1. General

A. This procedure contains these tasks:

- (1) Sidewall Panel Removal,
- (2) Sidewall Panel Installation.

TASK 25-21-46-000-801

2. Sidewall Panel Removal

(Figure 401)

A. References

Reference	Title
21-23-03-000-801	Return Air Grill Removal (P/B 201)
24-22-00-860-812	Remove Electrical Power (P/B 201)
25-21-12-020-801	Window Shade and Reveal Assembly Removal (P/B 401)
25-22-00-000-801	Passenger Seat Removal (P/B 401)

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Prepare for the Procedure

SUBTASK 25-21-46-860-001

- (1) Do this task: Remove Electrical Power, TASK 24-22-00-860-812 (if necessary).

SUBTASK 25-21-46-020-001

- (2) Remove the passenger seats where necessary to gain access to the panels (TASK 25-22-00-000-801).

NOTE: Remove the window shade and reveal - TASK 25-21-12-020-801 - before the removal of the sidewall panel if you do not remove the passenger seats.

D. Procedure

SUBTASK 25-21-46-020-002

CAUTION: DO NOT SCRATCH OR HIT THE SIDEWALL PANEL ASSEMBLIES WHEN YOU REMOVE THE TRIM STRIPS. YOU CAN EASILY CAUSE DAMAGE TO THE SIDEWALL PANELS.

- (1) Remove the trim strips [2].
 - (a) Remove the air grille from below the panel, do this task: Return Air Grill Removal, TASK 21-23-03-000-801.
 - (b) Remove the trim strips [2] down on each side of the panel until they are clear of the sidewall panel [1].

SUBTASK 25-21-46-020-003

- (2) Hold the sidewall panel [1] and remove the screws [3] at the shock mounts [6].

SUBTASK 25-21-46-020-004

- (3) Move the sidewall panel [1] down until the top edge of the panel disengages from the air outlet extrusion.

SUBTASK 25-21-46-020-005

- (4) Remove the electrical connector from the sidewall light if required.

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SUBTASK 25-21-46-020-006

CAUTION: DO NOT SCRATCH OR HIT THE SIDEWALL PANEL ASSEMBLIES WHEN YOU REMOVE THEM. YOU CAN EASILY CAUSE DAMAGE TO THE SIDEWALL PANELS.

(5) Remove the sidewall panel [1].

————— **END OF TASK** —————

TASK 25-21-46-400-801

3. Sidewall Panel Installation

(Figure 401)

A. References

Reference	Title
21-23-03-400-802	Return Air Grill Installation (P/B 201)
24-22-00-860-811	Supply Electrical Power (P/B 201)
25-22-00-400-802	Passenger Seat Installation (P/B 401)

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-21-46-420-001

(1) Install the sidewall panel [1].

SUBTASK 25-21-46-420-002

(2) Connect the electrical connector to the sidewall light if required.

SUBTASK 25-21-46-420-003

(3) Put the top edge of the sidewall panel [1] into the air outlet extrusion.

SUBTASK 25-21-46-420-004

(4) Align and hold the sidewall panel [1] and install the screws [3] and the washers [6].

SUBTASK 25-21-46-420-005

(5) Put the trim strips [2] into the bottom edges of the sidewall panel [1] and lift to the lower shock mounts [6].

SUBTASK 25-21-46-420-006

(6) Tighten the screws [3] at the lower shock mounts.

SUBTASK 25-21-46-420-007

(7) Tighten the screws [3] as you install the trim strips [2] to align the sidewall panel [1].

SUBTASK 25-21-46-400-001

(8) Install the air grilles, do this task: Return Air Grill Installation, TASK 21-23-03-400-802.

D. Put the Airplane Back to its Usual Condition

SUBTASK 25-21-46-420-009

(1) Install the passenger seats if you removed them for access (TASK 25-22-00-400-802).

SUBTASK 25-21-46-860-002

(2) Do this task: Supply Electrical Power, TASK 24-22-00-860-811 (if required).

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SUBTASK 25-21-46-710-001

(3) Do an operational check of the applicable electrical equipment.

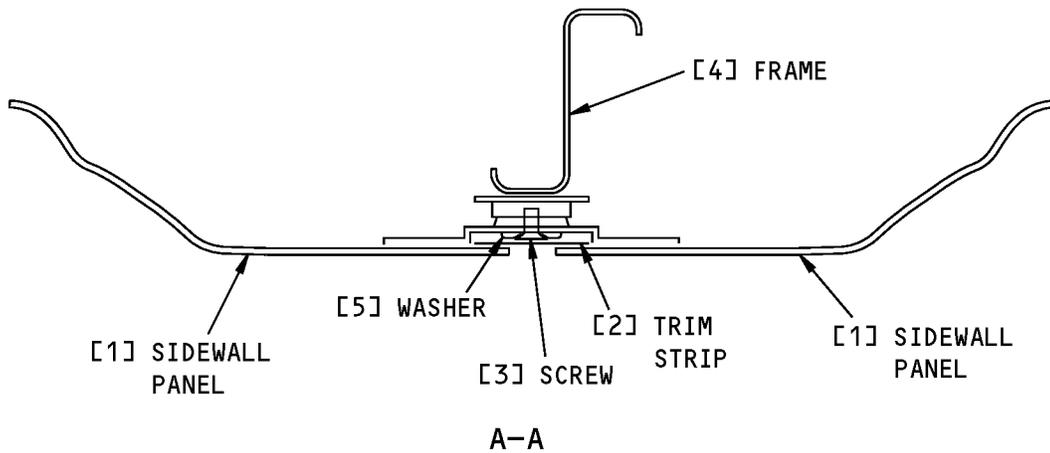
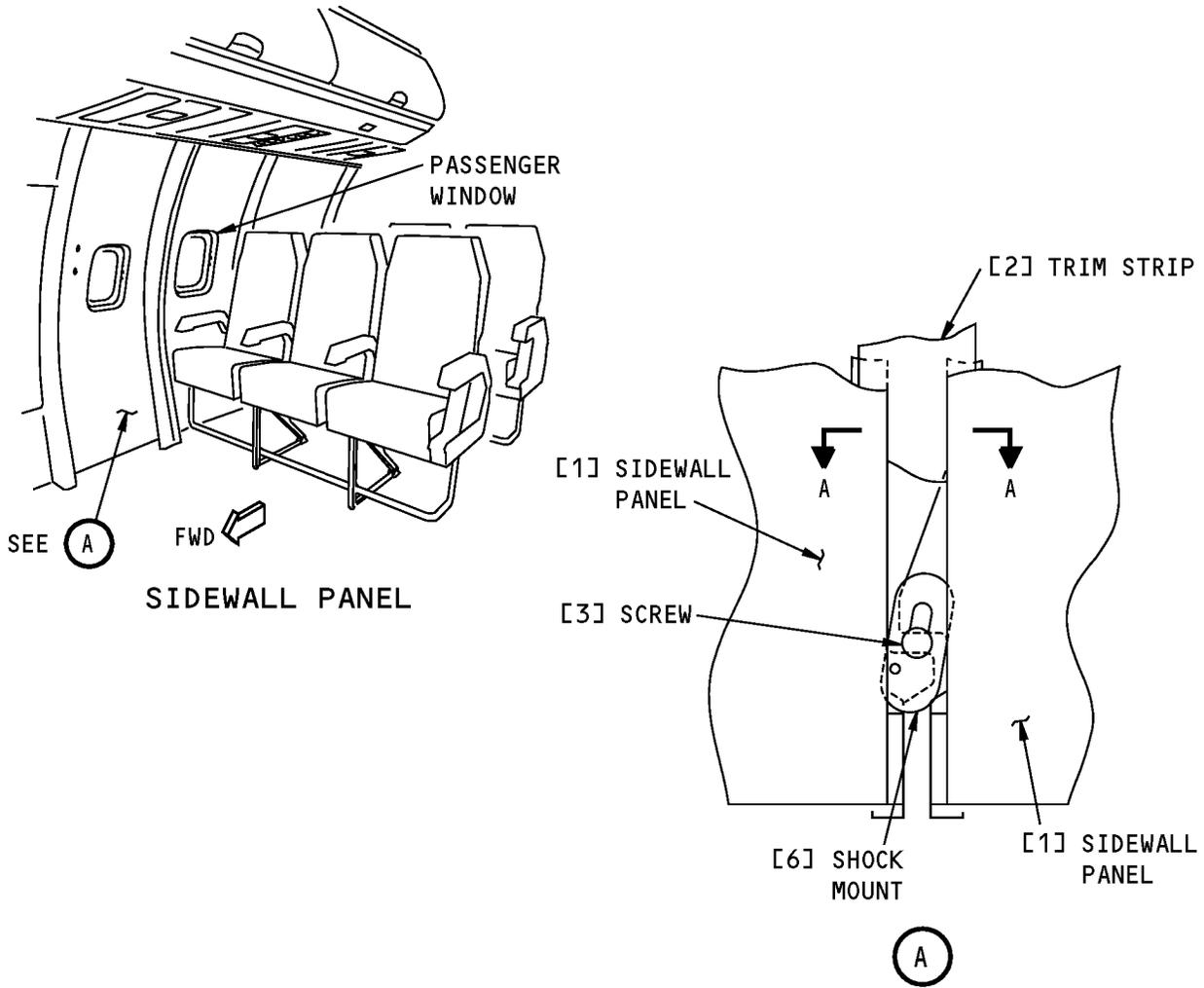
————— **END OF TASK** —————

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Sidewall Panel Installation
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FORWARD AND AFT LOWERED CEILING PANELS - REMOVAL/INSTALLATION

1. General

A. This procedure contains these tasks:

- (1) Lowered Ceiling Removal. This task is a combination of the other tasks in this procedure.
- (2) Lowered Ceiling Installation. This task is a combination of the other tasks in this procedure.
- (3) Prepare to Remove the Lowered Ceiling Panels. This task is the first step in the tasks below.
- (4) Bullnose Panel Removal.
- (5) Bullnose Panel Installation.
- (6) Plug Panel Removal.
- (7) Plug Panel Installation.
- (8) Horseshoe Panel Removal.
- (9) Horseshoe Panel Installation.
- (10) Close Out Panel Removal, Forward Lowered Ceiling.
- (11) Close Out Panel Installation, Forward Lowered Ceiling.
- (12) Close Out Panel Removal, Aft Lowered Ceiling.
- (13) Close Out Panel Installation, Aft Lowered Ceiling.
- (14) Entry Panel Removal.
- (15) Entry Panel Installation.
- (16) Put the Airplane Back to Its Usual Condition. This task is the last step in the tasks above.

TASK 25-21-71-000-801

2. Lowered Ceiling Removal

(Figure 401, Figure 402)

A. General

- (1) Remove the individual parts of the lowered ceiling in the order shown in this procedure.

B. Procedure

SUBTASK 25-21-71-020-001

- (1) Do this task: Bullnose Panel Removal, TASK 25-21-71-000-802.

SUBTASK 25-21-71-020-002

- (2) Do this task: Plug Panel Removal, TASK 25-21-71-000-803.

SUBTASK 25-21-71-020-003

- (3) Do this task: Horseshoe Panel Removal, TASK 25-21-71-000-804.

SUBTASK 25-21-71-020-004

- (4) Remove the close out panel [10], if applicable.

These are the tasks:

Close Out Panel Removal, Forward Lowered Ceiling, TASK 25-21-71-000-805,

Close Out Panel Removal, Aft Lowered Ceiling, TASK 25-21-71-000-806.

SUBTASK 25-21-71-020-005

- (5) Do this task: Entry Panel Removal, TASK 25-21-71-000-807.

END OF TASK

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TASK 25-21-71-400-801

3. Lowered Ceiling Installation

(Figure 401, Figure 402)

A. General

- (1) Install the individual parts of the lowered ceiling in the order shown in this procedure.

B. Procedure

SUBTASK 25-21-71-420-001

- (1) Do this task: Entry Panel Installation, TASK 25-21-71-400-807.

SUBTASK 25-21-71-420-002

- (2) Install the close out panel [10], if applicable.

These are the tasks:

Close Out Panel Installation, Forward Lowered Ceiling, TASK 25-21-71-400-805,

Close Out Panel Installation, Aft Lowered Ceiling, TASK 25-21-71-400-806.

SUBTASK 25-21-71-420-003

- (3) Do this task: Horseshoe Panel Installation, TASK 25-21-71-400-804.

SUBTASK 25-21-71-420-004

- (4) Do this task: Plug Panel Installation, TASK 25-21-71-400-803.

SUBTASK 25-21-71-420-005

- (5) Do this task: Bullnose Panel Installation, TASK 25-21-71-400-802.

————— END OF TASK —————

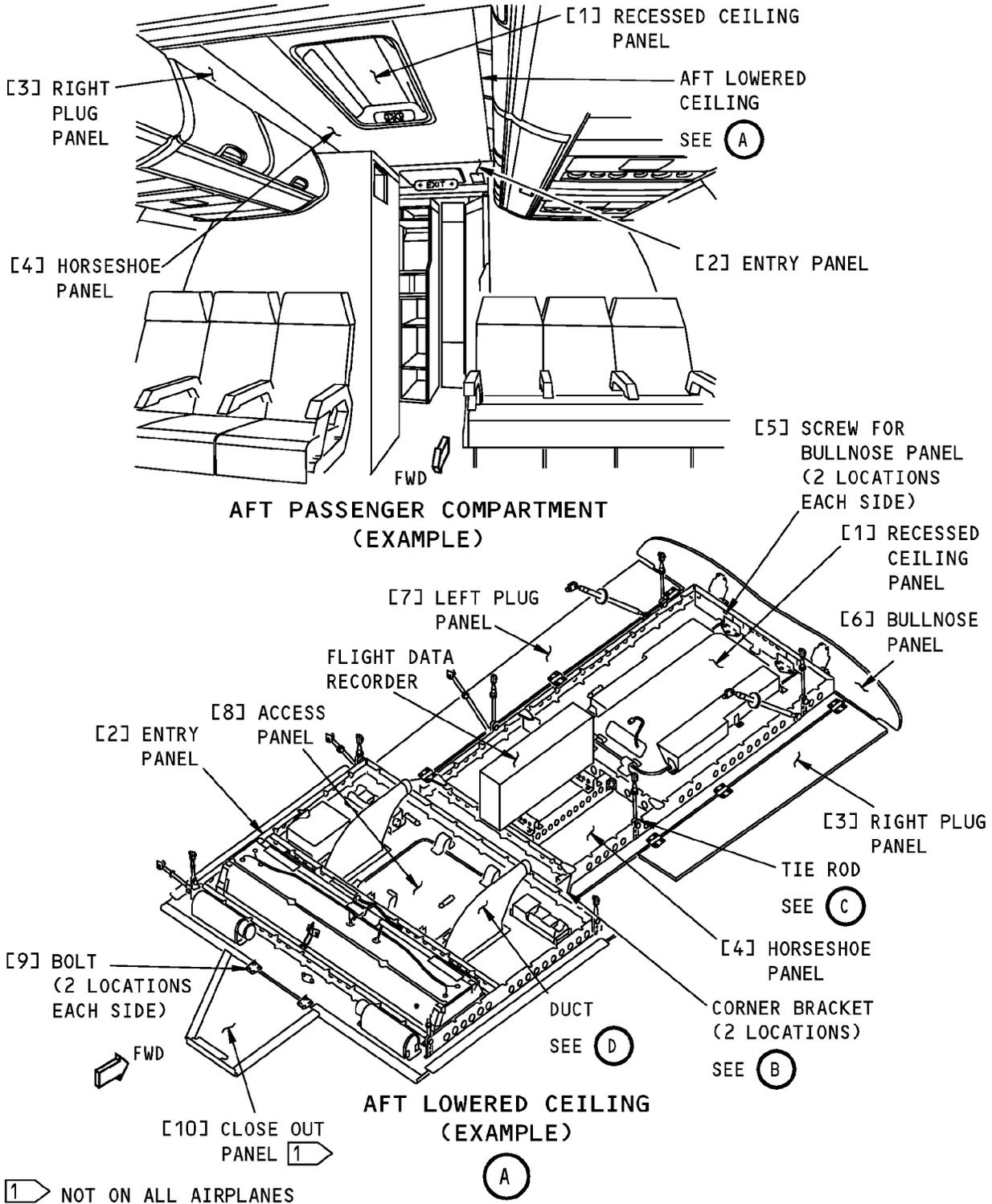
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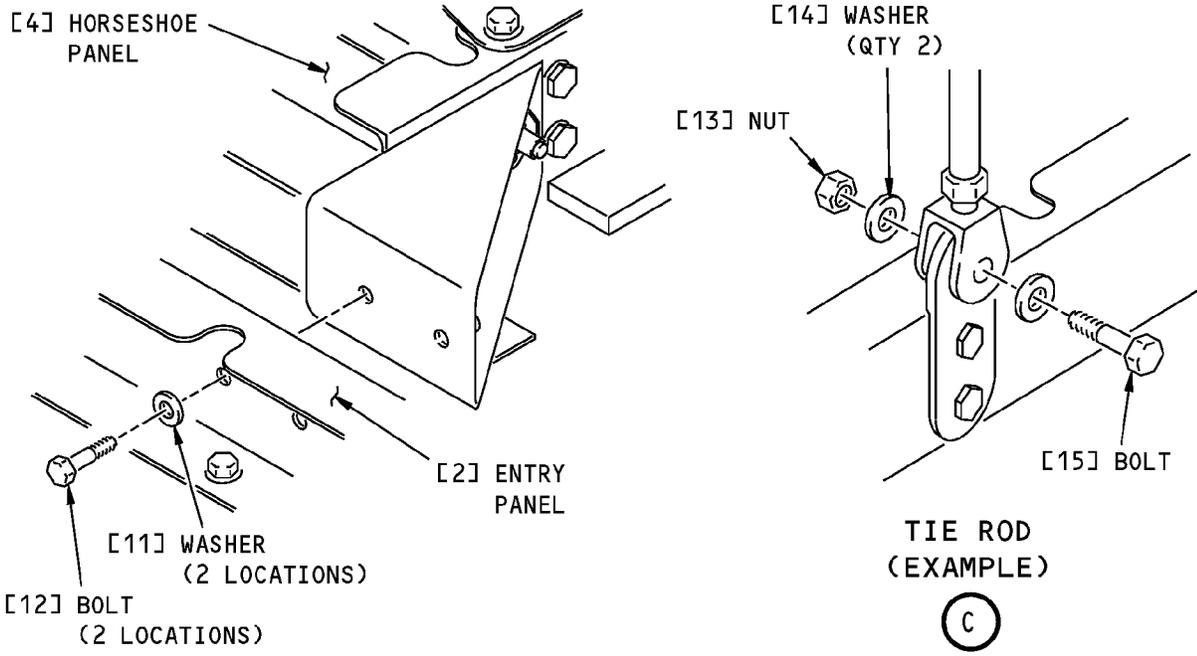


Aft Lowered Ceiling Installation
Figure 401 (Sheet 1 of 2)/25-21-71-990-803

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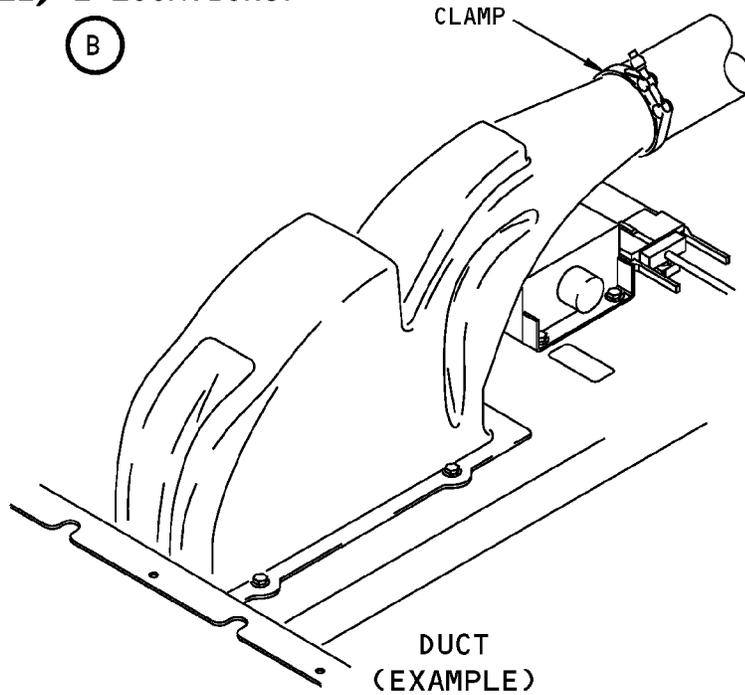
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**CORNER BRACKET
(EXAMPLE, 2 LOCATIONS)**

B



**DUCT
(EXAMPLE)**

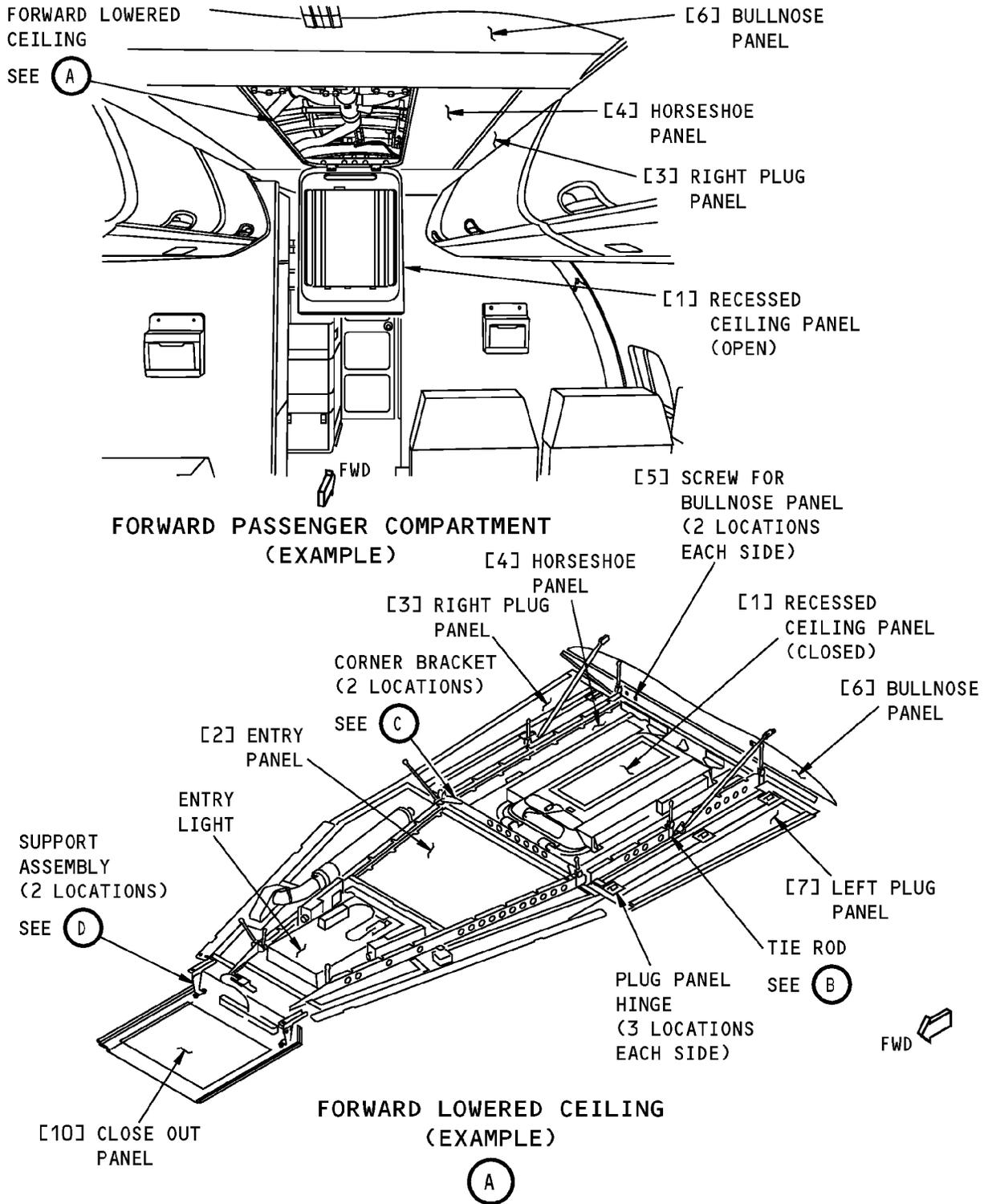
D

**Aft Lowered Ceiling Installation
Figure 401 (Sheet 2 of 2)/25-21-71-990-803**

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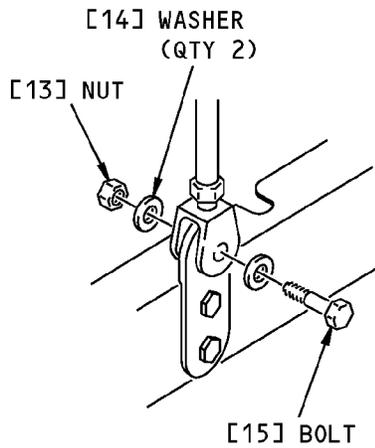


**Forward Lowered Ceiling Installation
Figure 402 (Sheet 1 of 2)/25-21-71-990-804**

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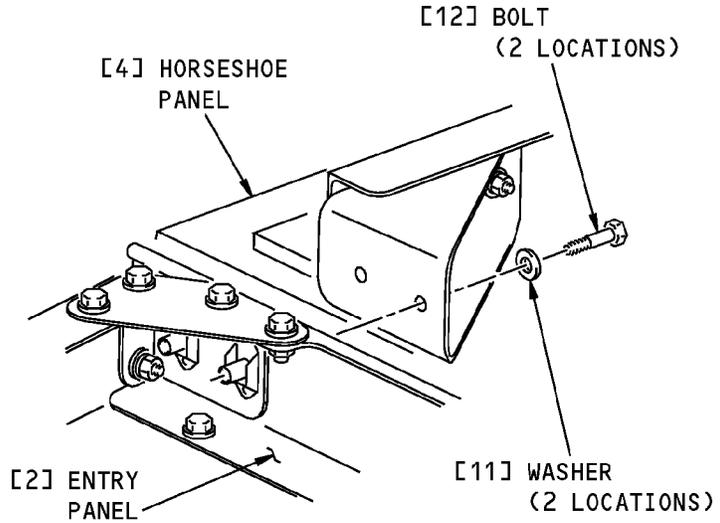
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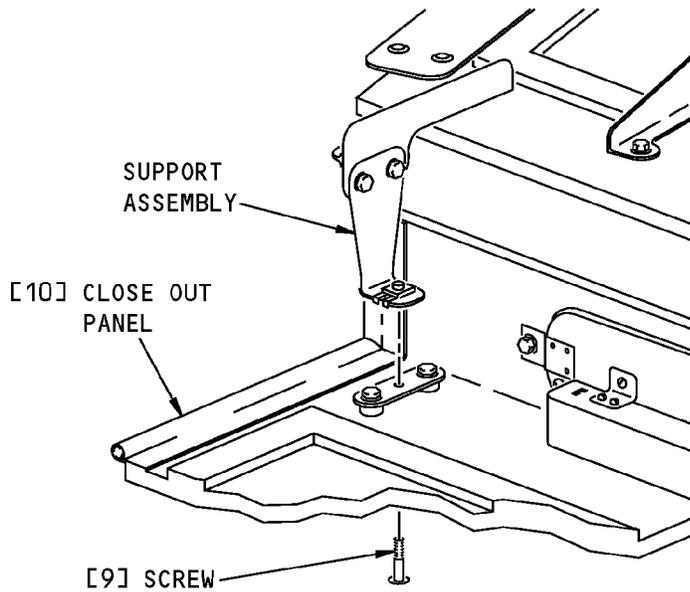
**TIE ROD
(EXAMPLE)**

(B)



**CORNER BRACKET
(EXAMPLE)**

(C)



**SUPPORT ASSEMBLY
(EXAMPLE)**

(D)

**Forward Lowered Ceiling Installation
Figure 402 (Sheet 2 of 2)/25-21-71-990-804**

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TASK 25-21-71-840-801

4. Prepare to Remove the Lowered Ceiling Panels

A. References

Reference	Title
24-22-00-860-812	Remove Electrical Power (P/B 201)

B. Procedure

SUBTASK 25-21-71-860-001

(1) Do this task: Remove Electrical Power, TASK 24-22-00-860-812.

SUBTASK 25-21-71-010-001

(2) If necessary, remove all equipment or furnishings which prevent the panel removal.

————— **END OF TASK** —————

TASK 25-21-71-000-802

5. Bullnose Panel Removal

(Figure 401, Figure 402)

A. General

(1) This procedure is for either the forward or aft bullnose panel [6].

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-21-71-840-001

(1) Do this task: Prepare to Remove the Lowered Ceiling Panels, TASK 25-21-71-840-801.

SUBTASK 25-21-71-010-002

(2) Remove the passenger compartment transition panels and gap cover.

SUBTASK 25-21-71-010-003

(3) Remove the light valance from the bin top.

SUBTASK 25-21-71-010-004

(4) Do these steps to open the recessed ceiling panel [1] that is in the center of the horseshoe panel [4]:

- (a) Locate the two clearance holes in the panel gap.
- (b) Put a 1/8-inch allen wrench through the access hole.
- (c) Turn the allen wrench 90° counterclockwise to release the latches.

NOTE: This will allow the door to open a few inches.

(d) Disconnect the lanyard and open the recessed ceiling panel [1] fully.

SUBTASK 25-21-71-020-006

CAUTION: BE CAREFUL WITH THE PANEL. YOU CAN CAUSE DAMAGE TO THE SURFACE OF THE PANEL IF YOU HIT IT OR GET IT SOILED.

(5) Remove the four screws [5] and washers that attach the support brackets for the bullnose panel [6] to the cross member for the horseshoe panel [4].

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(a) Rotate the panel out of position.

————— END OF TASK —————

TASK 25-21-71-400-802

6. Bullnose Panel Installation

(Figure 401, Figure 402)

A. General

(1) This procedure is for either the forward or aft bullnose panel [6].

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-21-71-420-006

CAUTION: BE CAREFUL WITH THE PANEL. YOU CAN CAUSE DAMAGE TO THE SURFACE OF THE PANEL IF YOU HIT IT OR GET IT SOILED.

(1) Put the bullnose panel [6] into position.

(a) Install the four screws [5] and washers that attach the bullnose support brackets to the cross member for the horseshoe panel [4].

SUBTASK 25-21-71-410-001

(2) Do these steps to close the recessed ceiling panel [1]:

(a) Attach the lanyard and close the recessed ceiling panel [1].

(b) Do these steps to lock the two latches:

1) Put a 1/8-inch allen wrench in the latch access hole.

2) Turn the allen wrench 90° clockwise.

SUBTASK 25-21-71-410-002

(3) Install the light valance at the bin top.

SUBTASK 25-21-71-410-003

(4) Install the passenger compartment transition panels and gap cover.

SUBTASK 25-21-71-840-002

(5) Do this task: Put the Airplane Back to Its Usual Condition, TASK 25-21-71-840-802.

————— END OF TASK —————

TASK 25-21-71-000-803

7. Plug Panel Removal

(Figure 401, Figure 402)

A. General

(1) This procedure is for either the forward or the aft right plug panel [3] and the left plug panel [7].

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

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C. Procedure

SUBTASK 25-21-71-840-003

(1) Do this task: Prepare to Remove the Lowered Ceiling Panels, TASK 25-21-71-840-801.

SUBTASK 25-21-71-010-005

(2) Do these steps to open the recessed ceiling panel [1] that is in the center of the horseshoe panel [4]:

- (a) Locate the two clearance holes in the panel gap.
- (b) Put a 1/8-inch allen wrench through the access hole.
- (c) Turn the allen wrench 90° counterclockwise to release the latches.

NOTE: This will allow the door to open a few inches.

(d) Disconnect the lanyard and open the recessed ceiling panel [1] fully.

SUBTASK 25-21-71-020-007

(3) Remove the two screws and washers at each hinge location.

SUBTASK 25-21-71-020-008

CAUTION: BE CAREFUL WITH THE PANEL. YOU CAN CAUSE DAMAGE TO THE SURFACE OF THE PANEL IF YOU HIT IT OR GET IT SOILED.

(4) Rotate the panel out of position.

————— **END OF TASK** —————

TASK 25-21-71-400-803

8. Plug Panel Installation

(Figure 401, Figure 402)

A. General

(1) This procedure is for either the forward or the aft right plug panel [3] and the left plug panel [7].

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-21-71-420-007

CAUTION: BE CAREFUL WITH THE PANEL. YOU CAN CAUSE DAMAGE TO THE SURFACE OF THE PANEL IF YOU HIT IT OR GET IT SOILED.

(1) Put the plug panel into its correct position.

NOTE: There will be approximately a 1/4 inch (6 mm) clearance between the plug panel and the horseshoe panel [4] and the bullnose panel [6].

SUBTASK 25-21-71-420-008

(2) Install the two screws and washers at each hinge location.

SUBTASK 25-21-71-410-004

(3) Do these steps to close the recessed ceiling panel [1]:

- (a) Attach the lanyard and close the recessed ceiling panel [1].
- (b) Do these steps to lock the two latches:
 - 1) Put a 1/8-inch allen wrench in the latch access hole.

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2) Turn the allen wrench 90° clockwise.

SUBTASK 25-21-71-840-004

(4) Do this task: Put the Airplane Back to Its Usual Condition, TASK 25-21-71-840-802.

————— **END OF TASK** —————

TASK 25-21-71-000-804

9. Horseshoe Panel Removal

(Figure 401, Figure 402)

A. General

(1) This procedure is for either the forward or aft horseshoe panel [4].

B. References

Reference	Title
31-31-11-000-802	Flight Data Recorder Removal (P/B 401)

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Procedure

SUBTASK 25-21-71-840-005

(1) Do this task: Prepare to Remove the Lowered Ceiling Panels, TASK 25-21-71-840-801.

SUBTASK 25-21-71-020-009

(2) You must remove the bullnose panel [6] before you remove the horseshoe panel [4]. If you have not removed the bullnose panel [6], then, do this task: Bullnose Panel Removal, TASK 25-21-71-000-802.

SUBTASK 25-21-71-020-028

(3) You must remove the right plug panel [3] and the left plug panel [7] before you remove the horseshoe panel [4]. If you have not removed the plug panels [3] and [7], then, do this task: Plug Panel Removal, TASK 25-21-71-000-803.

SUBTASK 25-21-71-010-006

(4) Do these steps to open the recessed ceiling panel [1] that is in the center of the horseshoe panel [4]:

- (a) Locate the two clearance holes in the panel gap.
- (b) Put a 1/8-inch allen wrench through the access hole.
- (c) Turn the allen wrench 90° counterclockwise to release the latches.

NOTE: This will allow the door to open a few inches.

(d) Disconnect the lanyard and open the recessed ceiling panel [1] fully.

SUBTASK 25-21-71-020-010

(5) For the horseshoe panel [4] that is part of the aft lowered ceiling, do these steps:

- (a) Do this task: Flight Data Recorder Removal, TASK 31-31-11-000-802.
- (b) Disconnect the electrical connector and bounding jumper from the shelf for the flight data recorder.

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SUBTASK 25-21-71-020-011

(6) Disconnect the electrical connector that is at one side of the recessed ceiling panel [1].

SUBTASK 25-21-71-020-012

(7) For the horseshoe panel [4] that is part of the forward lowered ceiling, do this step:

(a) Remove the five screws and washers that attach the front edge of the horseshoe panel [4] to the cross member.

SUBTASK 25-21-71-020-013

(8) Remove the two bolts [12] and washers [11] from each corner bracket.

SUBTASK 25-21-71-020-014

CAUTION: BE CAREFUL WITH THE PANEL. YOU CAN CAUSE DAMAGE TO THE SURFACE OF THE PANEL IF YOU HIT IT OR GET IT SOILED.

(9) Hold the panel and remove the nuts [13], bolts [15], and washers [14] that attach the seven tie-rods to the horseshoe panel [4].

NOTE: Keep the nut, bolt, and washers with each tie-rod. They are not all the same.

SUBTASK 25-21-71-020-015

(10) Lower the panel out of its position.

————— END OF TASK —————

TASK 25-21-71-400-804

10. Horseshoe Panel Installation

(Figure 401, Figure 402)

A. General

(1) This procedure is for either the forward or aft horseshoe panel [4].

B. References

Reference	Title
31-31-11-400-802	Flight Data Recorder Installation (P/B 401)

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Procedure

SUBTASK 25-21-71-420-009

CAUTION: BE CAREFUL WITH THE PANEL. YOU CAN CAUSE DAMAGE TO THE SURFACE OF THE PANEL IF YOU HIT IT OR GET IT SOILED.

(1) Lift the horseshoe panel [4] into its correct position.

NOTE: If the plug panels [3] and [7] are attached, fold them up until you get them past the stowage bins.

SUBTASK 25-21-71-010-007

(2) Open the recessed ceiling panel [1].

SUBTASK 25-21-71-420-010

(3) Connect the seven tie-rods with the bolts [15], washers [14], and nuts [13].

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SUBTASK 25-21-71-420-011

(4) For the horseshoe panel [4] that is part of the forward lowered ceiling, do this step:

- (a) Install the five screws and washers that attach the front edge of the horseshoe panel [4] to the cross member.

SUBTASK 25-21-71-420-012

(5) Install the two bolts [12] and washers [11] in each corner bracket.

SUBTASK 25-21-71-420-013

(6) Connect the electrical connector that is adjacent to the recessed ceiling panel [1].

SUBTASK 25-21-71-420-014

(7) For the horseshoe panel [4] that is part of the aft lowered ceiling, do these steps:

- (a) Connect the electrical connector and bounding jumper to the shelf for the flight data recorder.
(b) Do this task: Flight Data Recorder Installation, TASK 31-31-11-400-802.

SUBTASK 25-21-71-420-025

(8) Do this task: Plug Panel Installation, TASK 25-21-71-400-803.

SUBTASK 25-21-71-420-015

(9) Do this task: Bullnose Panel Installation, TASK 25-21-71-400-802.

SUBTASK 25-21-71-410-005

(10) Do these steps to close the recessed ceiling panel [1]:

- (a) Attach the lanyard and close the recessed ceiling panel [1].
(b) Do these steps to lock the two latches:
1) Put a 1/8-inch allen wrench in the latch access hole.
2) Turn the allen wrench 90 degrees clockwise.

SUBTASK 25-21-71-840-006

(11) Do this task: Put the Airplane Back to Its Usual Condition, TASK 25-21-71-840-802.

END OF TASK

TASK 25-21-71-000-805

11. Close Out Panel Removal, Forward Lowered Ceiling

(Figure 402)

A. Location Zones

Table with 2 columns: Zone, Area. Row 1: 200, Upper Half of Fuselage

B. Procedure

SUBTASK 25-21-71-840-007

(1) Do this task: Prepare to Remove the Lowered Ceiling Panels, TASK 25-21-71-840-801.

SUBTASK 25-21-71-020-029

(2) Loosen the screws [9].

SUBTASK 25-21-71-020-016

(3) Disconnect the electrical connector near the aft edge of the close out panel [10].

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SUBTASK 25-21-71-020-018

CAUTION: BE CAREFUL WITH THE PANEL. YOU CAN CAUSE DAMAGE TO THE SURFACE OF THE PANEL IF YOU HIT IT OR GET IT SOILED.

- (4) Move the aft edge of the close out panel [10] aft and down to disengage the spring clips at the front edge of the panel.

————— END OF TASK —————

TASK 25-21-71-400-805

12. Close Out Panel Installation, Forward Lowered Ceiling

(Figure 402)

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Procedure

SUBTASK 25-21-71-420-016

CAUTION: BE CAREFUL WITH THE PANEL. YOU CAN CAUSE DAMAGE TO THE SURFACE OF THE PANEL IF YOU HIT IT OR GET IT SOILED.

- (1) Put the forward edge of the close out panel [10] in the spring clips.

SUBTASK 25-21-71-420-018

- (2) Connect the electrical connector.

SUBTASK 25-21-71-420-026

- (3) Install the screws [9].

SUBTASK 25-21-71-840-008

- (4) Do this task: Put the Airplane Back to Its Usual Condition, TASK 25-21-71-840-802.

————— END OF TASK —————

TASK 25-21-71-000-806

13. Close Out Panel Removal, Aft Lowered Ceiling

(Figure 401)

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Procedure

SUBTASK 25-21-71-840-009

- (1) Do this task: Prepare to Remove the Lowered Ceiling Panels, TASK 25-21-71-840-801.

SUBTASK 25-21-71-010-009

- (2) Do these steps to get access through the entry light:
 - (a) Release the three latches at the aft edge of the light. To release them, push a small screwdriver up through the small hole in the light bezel at each latch location.
 - (b) Lower the aft edge of the light and disconnect the lanyard.
 - (c) Fully lower the aft edge of the light.

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SUBTASK 25-21-71-020-019

- (3) Disconnect the electrical connector to the exit sign near the forward edge of the entry panel [2].

SUBTASK 25-21-71-020-020

- (4) Remove the four bolts [9] that attach the close out panel [10] to the two brackets at the forward edge of the panel.

SUBTASK 25-21-71-020-021

CAUTION: BE CAREFUL WITH THE PANEL. YOU CAN CAUSE DAMAGE TO THE SURFACE OF THE PANEL IF YOU HIT IT OR GET IT SOILED.

- (5) Move the close out panel [10] aft to release its forward edge, then lower the forward edge and move the panel forward. The back edge is held by a spring clip.

————— **END OF TASK** —————

TASK 25-21-71-400-806

14. Close Out Panel Installation, Aft Lowered Ceiling

(Figure 401)

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Procedure

SUBTASK 25-21-71-420-019

CAUTION: BE CAREFUL WITH THE PANEL. YOU CAN CAUSE DAMAGE TO THE SURFACE OF THE PANEL IF YOU HIT IT OR GET IT SOILED.

- (1) Put the aft edge of the close out panel [10] in the spring clips. Push the panel up and aft, and then forward to engage its forward edge.

SUBTASK 25-21-71-420-020

- (2) Install the four bolts [9] at the forward edge of the panel.

SUBTASK 25-21-71-410-007

- (3) Do these steps to close the entry light:
 - (a) Lift the aft edge of the light and connect the lanyard.
 - (b) Fully close the aft edge of the light.

SUBTASK 25-21-71-840-010

- (4) Do this task: Put the Airplane Back to Its Usual Condition, TASK 25-21-71-840-802.

————— **END OF TASK** —————

TASK 25-21-71-000-807

15. Entry Panel Removal

(Figure 401, Figure 402)

A. General

- (1) This procedure is for either the forward or aft entry panel [2].

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B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-21-71-840-011

(1) Do this task: Prepare to Remove the Lowered Ceiling Panels, TASK 25-21-71-840-801.

SUBTASK 25-21-71-020-022

(2) If installed, you must remove the close out panel [10] before you remove the entry panel [2]. If you have not removed the close out panel [10], then remove the applicable close out panel.

These are the tasks:

Close Out Panel Removal, Forward Lowered Ceiling, TASK 25-21-71-000-805,

Close Out Panel Removal, Aft Lowered Ceiling, TASK 25-21-71-000-806.

SUBTASK 25-21-71-010-010

(3) For the entry panel [2] that is part of the forward lowered ceiling, do these steps to get access through the entry light (if the light is not already open):

- (a) Unlock the two 1/4-turn fasteners for the light bezel (at the right hand side of the light).
- (b) Lower the right side of the bezel down and disconnect the lanyard.
- (c) Continue to lower the right side of the bezel until you can disengage the spring clips on the left side. Remove the bezel.
- (d) Unlock the two 1/4-turn fasteners in the light housing. There is one on each side of the light, near the forward end of the housing.
- (e) Lower the forward edge of the entry light housing and disconnect the lanyard.
- (f) Fully lower the forward edge of the light housing.
- (g) Disconnect the electrical connector for the light.
- (h) Remove the light housing. To remove it, lift it up a small amount and move it forward.

SUBTASK 25-21-71-010-011

(4) For the entry panel [2] that is part of the aft lowered ceiling, do these steps to get access through the access panel [8]:

- (a) Release the two latches at the aft edge of the access panel [8]. To release them, use a small screwdriver.
- (b) Lower the aft edge of the access panel [8] and disconnect the lanyard.
- (c) Fully lower the aft edge of the access panel [8].

SUBTASK 25-21-71-020-023

(5) Disconnect the electrical connector for these parts:

- (a) The electrical connectors for each battery pack
- (b) The electrical connector for the light
- (c) The electrical connector for the oxygen box (aft entry panel [2] only).

SUBTASK 25-21-71-020-024

(6) Remove the hoses from lavatory and galley vents and from the ACS plenums.

SUBTASK 25-21-71-020-025

(7) If the horseshoe panel [4] is installed, then do these steps to disconnect the entry panel [2] from the horseshoe panel:

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- (a) Remove the two bolts [12] and washers [11] from each corner bracket.
- (b) For the entry panel [2] that is part of the forward lowered ceiling, do this step:
 - 1) Remove the five screws and washers that attach the front edge of the horseshoe panel [4] to the cross member of the entry panel [2].

SUBTASK 25-21-71-020-026

CAUTION: BE CAREFUL WITH THE PANEL. YOU CAN CAUSE DAMAGE TO THE SURFACE OF THE PANEL IF YOU HIT IT OR GET IT SOILED.

- (8) Hold the panel and remove the nuts [13], bolts [15], and washers [14] that attach the six tie-rods to the entry panel [2].

NOTE: Keep the nut, bolt, and washers with each tie-rod. They are not all same.

SUBTASK 25-21-71-020-027

- (9) Lower the panel out of its position.

————— **END OF TASK** —————

TASK 25-21-71-400-807

16. Entry Panel Installation

(Figure 401, Figure 402)

A. General

- (1) This procedure is for either the forward or aft entry panel [2].

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-21-71-420-021

CAUTION: BE CAREFUL WITH THE PANEL. YOU CAN CAUSE DAMAGE TO THE SURFACE OF THE PANEL IF YOU HIT IT OR GET IT SOILED.

- (1) Put the panel into position.
 - (a) Install the bolts [15], nuts [13], and washers [14] to attach the six tie-rods.

SUBTASK 25-21-71-420-022

- (2) If the horseshoe panel [4] is installed, then do these steps to connect the entry panel [2] to the horseshoe panel:
 - (a) Install the two bolts [12] and washers [11] at each corner bracket.
 - (b) For the entry panel [2] that is part of the forward lowered ceiling, do this step:
 - 1) Install the five screws and washers that attach the front edge of the horseshoe panel [4] to the cross member of the entry panel [2].

SUBTASK 25-21-71-420-023

- (3) Connect the hoses to the lavatory and galley ducts and to the ACS plenums.

SUBTASK 25-21-71-420-024

- (4) Connect the electrical connectors for these parts:
 - (a) The electrical connectors for each battery pack
 - (b) The electrical connector for the light

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HAP ALL	

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(c) The electrical connector for the oxygen box (aft entry panel [2] only).

SUBTASK 25-21-71-840-012

(5) Do this task: Put the Airplane Back to Its Usual Condition, TASK 25-21-71-840-802.

END OF TASK

TASK 25-21-71-840-802

17. Put the Airplane Back to Its Usual Condition

A. References

Reference	Title
24-22-00-860-811	Supply Electrical Power (P/B 201)

B. Procedure

SUBTASK 25-21-71-410-008

(1) Install all equipment and furnishings that you removed for access.

SUBTASK 25-21-71-860-002

(2) Do this task: Supply Electrical Power, TASK 24-22-00-860-811.

END OF TASK

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PASSENGER SEATS - REMOVAL/INSTALLATION

1. General

A. This procedure contains these tasks:

- (1) Passenger Seat Removal,
- (2) Passenger Seat Installation.

TASK 25-22-00-000-801

2. Passenger Seat Removal

(Figure 401)

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Procedure

SUBTASK 25-22-00-860-006

- (1) Open the applicable circuit breakers and attach DO-NOT-CLOSE tags for the electrical equipment, if installed.

SUBTASK 25-22-00-020-001

- (2) Remove the covers on the front and rear seat tracks.

SUBTASK 25-22-00-860-002

- (3) Disconnect the electrical connectors for the electrical equipment, if installed.

HAP ALL; AIRPLANES WITH EMERGENCY LIGHTING INSTALLED ON THE SEAT

SUBTASK 25-22-00-860-003

- (4) Disconnect the electrical connectors for the emergency lighting installed on the seat.

HAP 031-054, 101-999

SUBTASK 25-22-00-020-048

- (5) For Economy Class seats, do these steps:

NOTE: This task applies to Recaro Model 3510 passenger seats.

- (a) Loosen the anti-rattle nut on the forward track fitting to the fully up position.
- (b) Loosen the screw on the rear track fitting to the fully up position.

HAP ALL

SUBTASK 25-22-00-010-008

- (6) If installed, remove passenger lifevest located in lifevest container.

NOTE: N/A this step if seat is not being routed to shop.

SUBTASK 25-22-00-860-018

- (7) Route seat to shop if necessary.

————— **END OF TASK** —————

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TASK 25-22-00-400-802

3. Passenger Seat Installation

(Figure 401)

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Passenger Seat Installation Preparation

HAP 031-054, 101-999

SUBTASK 25-22-00-420-359

- (1) For Economy Class seats, do these steps:

NOTE: This task applies to Recaro Model 3510 passenger seats.

- (a) Make sure the anti-rattle nut on the forward leg track fitting is loosened until it is in the fully up position.
- (b) Make sure the screw on the rear track fitting is loosened until it is in the fully up position.

HAP ALL

C. Passenger Seat Track Fitting Tightening Procedure

SUBTASK 25-22-00-420-002

- (1) Install the seat in the tracks.

HAP 031-054, 101-999

SUBTASK 25-22-00-210-001

- (2) Make sure the seat track fittings are correctly installed in the seat tracks.

- (a) Tighten the fittings.
- (b) For Economy Class seats, do these steps:

NOTE: This task applies to Recaro Model 3510 passenger seats.

- 1) Tighten the screw on the rear leg track fitting to 80 ± 8 in-lb (9.04 ± 0.91 N·m).

NOTE: Screw is installed correctly when the screw head is flush with the top of the seat track fitting.

- 2) Tighten the anti-rattle nut on the forward leg track fitting manually plus 1/4 turn.

HAP 001-013, 015-026, 028-030

SUBTASK 25-22-00-420-031

CAUTION: DO NOT TIGHTEN THE SCREW TOO MUCH. YOU CAN CAUSE DAMAGE TO THE SCREW IF YOU TIGHTEN THE SCREW TOO MUCH.

- (3) Tighten the screw on the rear track fitting to 79.7 ± 8 pound-inches (9 ± 1 newton-meters).

SUBTASK 25-22-00-420-049

- (4) Tighten the front anti-rattle device with your fingers to a maximum of 70 pound-inches (7.9 newton-meters).

HAP ALL

<p>EFFECTIVITY</p> <p>HAP ALL</p>	
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SUBTASK 25-22-00-860-004

- (5) FOR AIRPLANES WITH EMERGENCY LIGHTING INSTALLED ON THE SEAT; connect the electrical connectors for the emergency lighting installed on the seat.

SUBTASK 25-22-00-420-053

- (6) Connect the electrical connectors for the electrical equipment, if installed.

SUBTASK 25-22-00-420-006

- (7) Install the seat track covers.

SUBTASK 25-22-00-860-005

- (8) Close the applicable circuit breakers and remove the DO-NOT-CLOSE tags for the seat electrical equipment, if installed.

————— **END OF TASK** —————

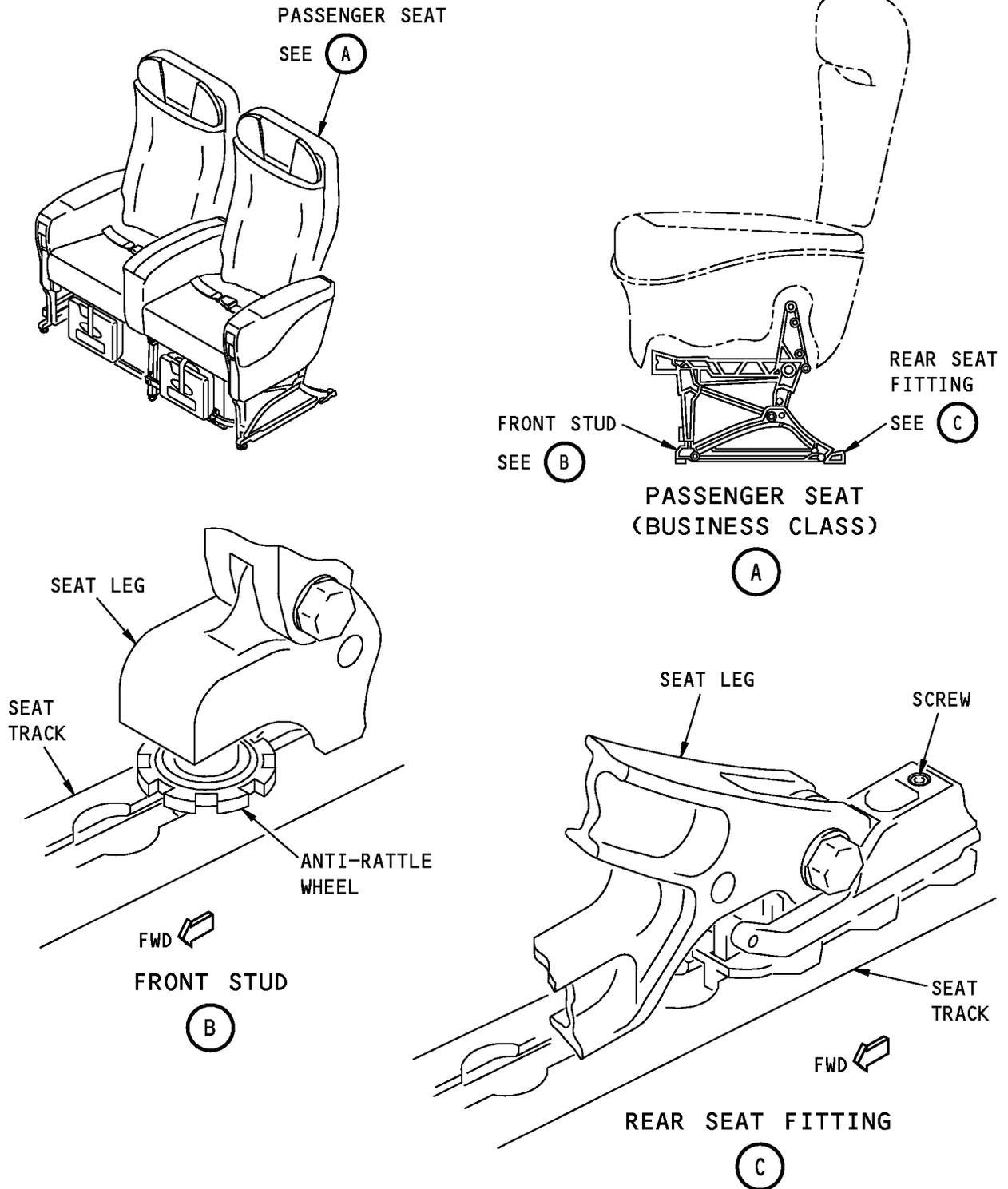
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Passenger Seat Installation
Figure 401 (Sheet 1 of 3)/25-22-00-990-801

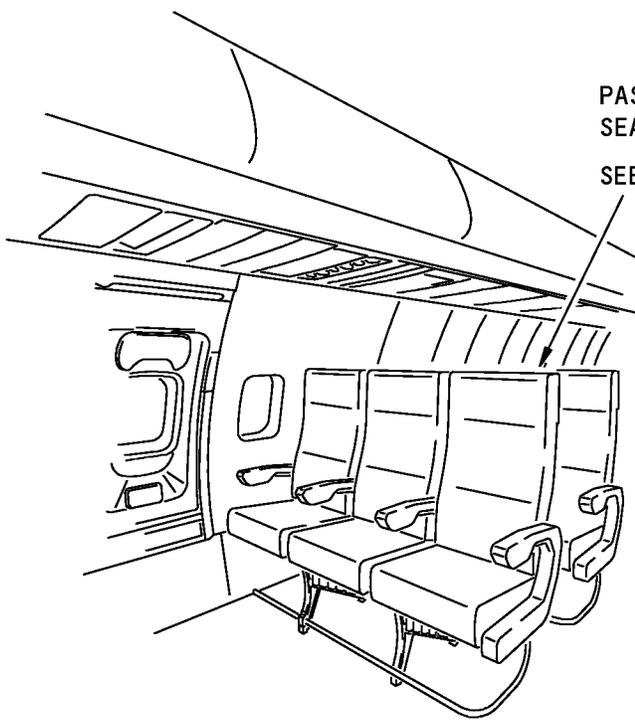
EFFECTIVITY
HAP ALL

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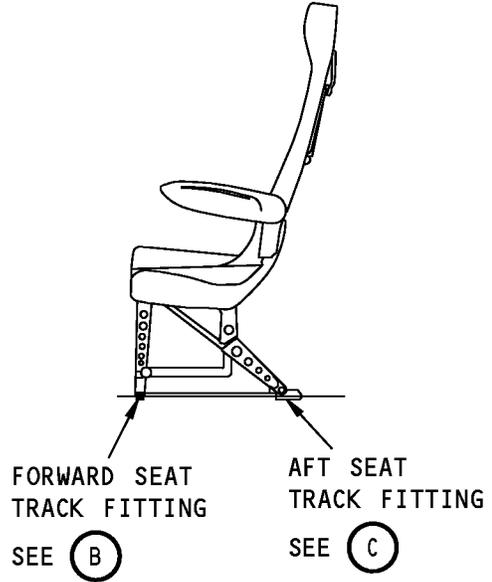
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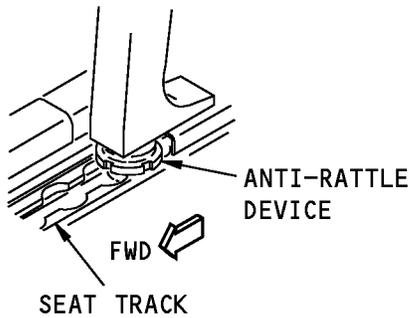


**PASSENGER COMPARTMENT
(EXAMPLE)**



**RECARO MODEL 3510 PASSENGER SEAT
(EXAMPLE)**

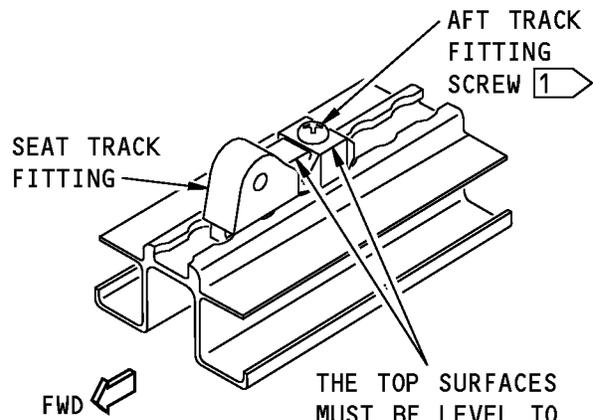
(A)



NOTE: MAKE SURE THAT THE FRONT STUD IS ENGAGED IN THE SEAT TRACK.

**FORWARD SEAT TRACK
FITTING**

(B)



THE TOP SURFACES
MUST BE LEVEL TO
BE CORRECTLY
INSTALLED

**AFT SEAT TRACK
FITTING**

(C)

1 WHEN YOU LOOSEN THE SCREW, DO NOT BACK IT OUT PAST THE STOP POINT.

**Passenger Seat Installation
Figure 401 (Sheet 2 of 3)/25-22-00-990-801**

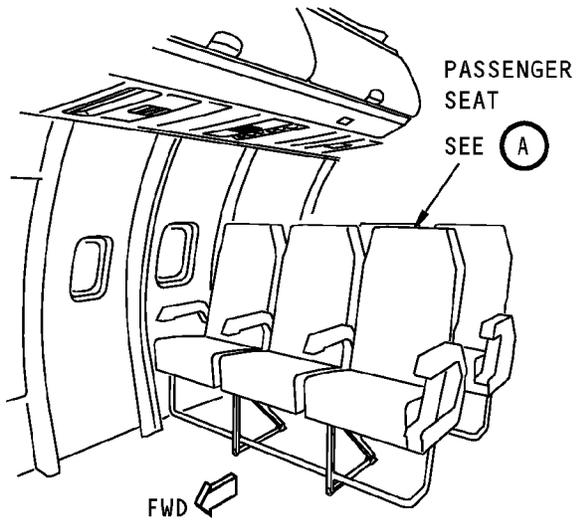
EFFECTIVITY
HAP 031-054, 101-999

25-22-00

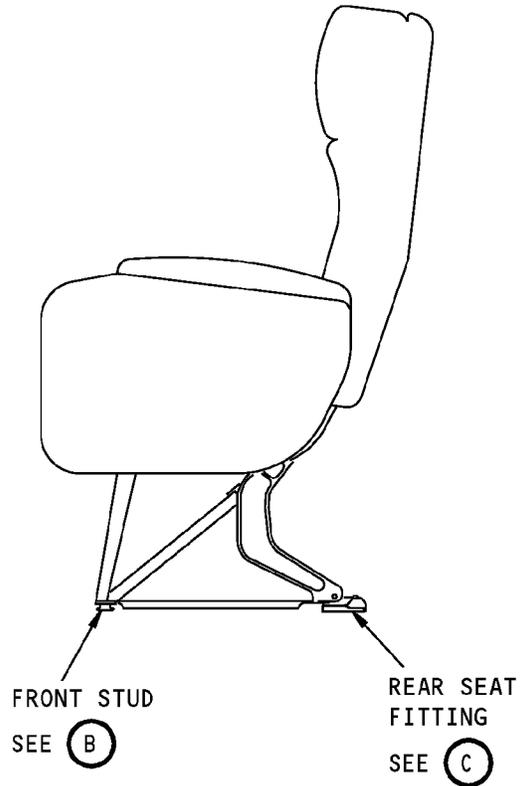
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**737-600/700/800/900
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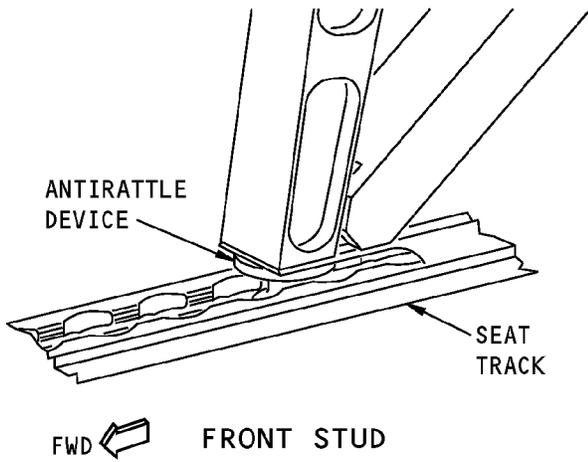


**PASSENGER COMPARTMENT
(EXAMPLE)**



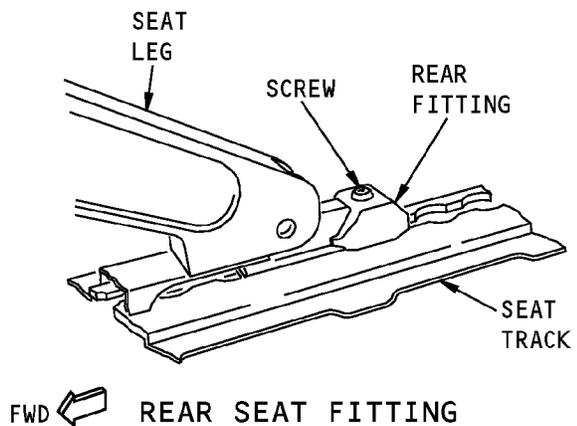
**PASSENGER SEAT
(EXAMPLE)**

(A)



FRONT STUD

(B)



REAR SEAT FITTING

(C)

**Passenger Seat Installation
Figure 401 (Sheet 3 of 3)/25-22-00-990-801**

EFFECTIVITY
HAP 001-013, 015-026, 028-030, 047-054, 101-999

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PASSENGER SEATS - INSPECTION/CHECK

1. General

- A. This procedure contains scheduled maintenance task data.
- B. This procedure has these tasks:
 - (1) Passenger Seat Belt Check,
 - (2) Passenger Seat Recline Operational Check and Inspection,
 - (3) Passenger Seat Breakover Check at Emergency Exits,
 - (4) Passenger Seat Recline Restriction Check at Emergency Exits,
 - (5) Track-mounted Passenger Seat Check and Inspection.

TASK 25-22-00-200-801

2. Passenger Seat Belt Check

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Procedure

SUBTASK 25-22-00-210-002

- (1) Do a visual check to make sure the seat belts are not worn, frayed, or damaged.

SUBTASK 25-22-00-280-001

- (2) Pull on the seat belts to make sure they are attached tightly to the seat.

SUBTASK 25-22-00-280-002

- (3) Do these steps to make sure the seat belt operates correctly:

- (a) Put the tongue end of the belt in the buckle.

NOTE: You can hear a click when the tongue is engaged in the buckle.

- (b) Lift the release handle on the buckle to disengage the belt halves.

————— **END OF TASK** —————

TASK 25-22-00-710-801

3. Passenger Seat Recline Operational Check and Inspection

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Procedure

SUBTASK 25-22-00-710-001

- (1) Push the recline button and push on the back of the seat.

- (a) Make sure the seat back reclines.

SUBTASK 25-22-00-710-002

- (2) Release the recline button and the back of the seat.

- (a) Make sure the seat back stays reclined.

SUBTASK 25-22-00-710-003

- (3) Push the recline button.

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HAP ALL	

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- (a) Make sure the seat back moves to its upright position.

SUBTASK 25-22-00-710-004

- (4) Release the recline button, and push on the back of the seat.

- (a) Make sure the seat back does not recline.

END OF TASK

TASK 25-22-00-710-802

4. Passenger Seat Breakover Check at Emergency Exits

A. Location Zones

Table with 2 columns: Zone, Area. Row 1: 200, Upper Half of Fuselage

B. Procedure

SUBTASK 25-22-00-980-001

- (1) Make sure the passenger seats that are forward and aft of all the emergency exits do not breakover into the pathways of the emergency exits.

NOTE: The Interior Configuration Specification for your airplanes should show requirements for the emergency exit aisles.

END OF TASK

TASK 25-22-00-710-803

5. Passenger Seat Recline Restriction Check at Emergency Exits

Figure 601

A. General

- (1) This is a scheduled maintenance task.

B. Location Zones

Table with 2 columns: Zone, Area. Row 1: 231, Forward Passenger Compartment - Forward Entry Door to Sta 663.75 - Left. Row 2: 232, Forward Passenger Compartment - Forward Entry Door to Sta 663.75 - Right

C. Procedure

SUBTASK 25-22-00-211-001

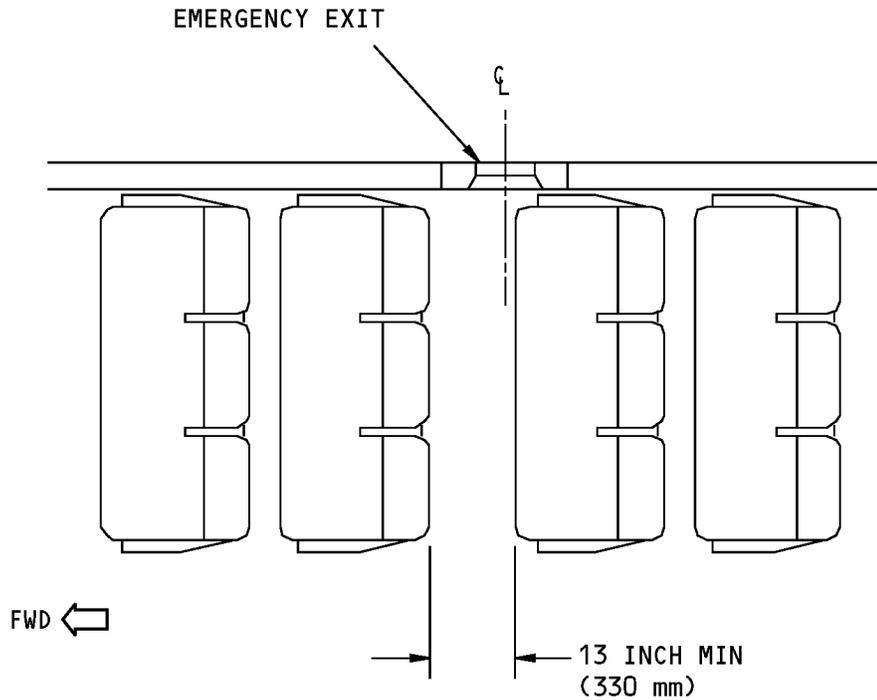
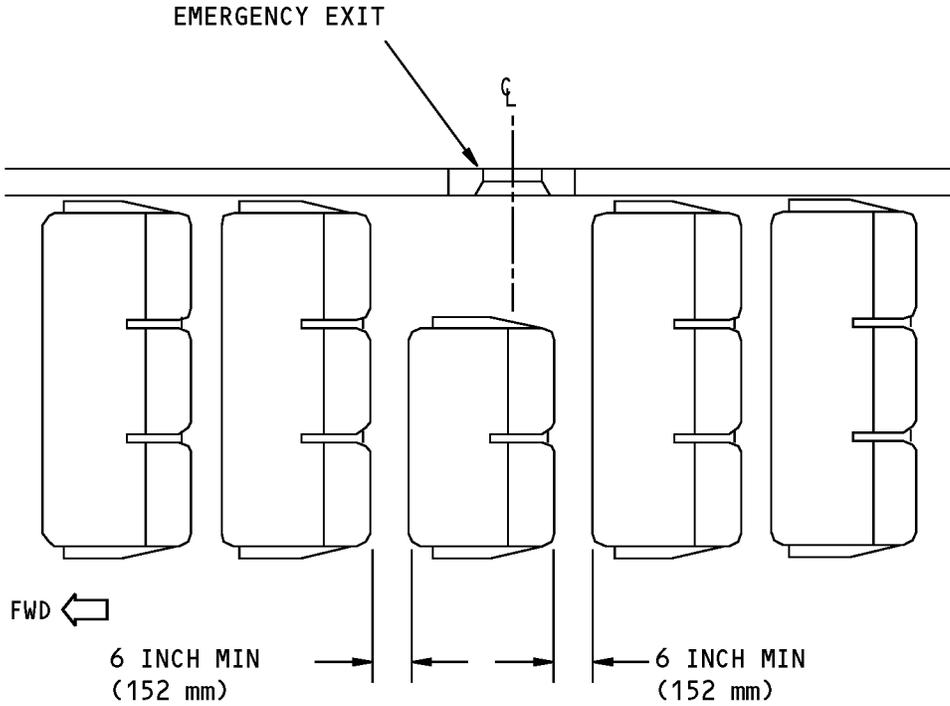
- (1) Make sure that the passenger seats that are in the area of the emergency exit doors do not recline into the emergency exist aisles as defined by these dimensions. (a) The minimum dimension of the emergency exit aisle for a triple seat is 13 in. (33 cm). (b) The minimum dimension of the emergency exit aisle for a double seat is 6 in. (15.2 cm).

END OF TASK

EFFECTIVITY HAP ALL D633A101-HAP

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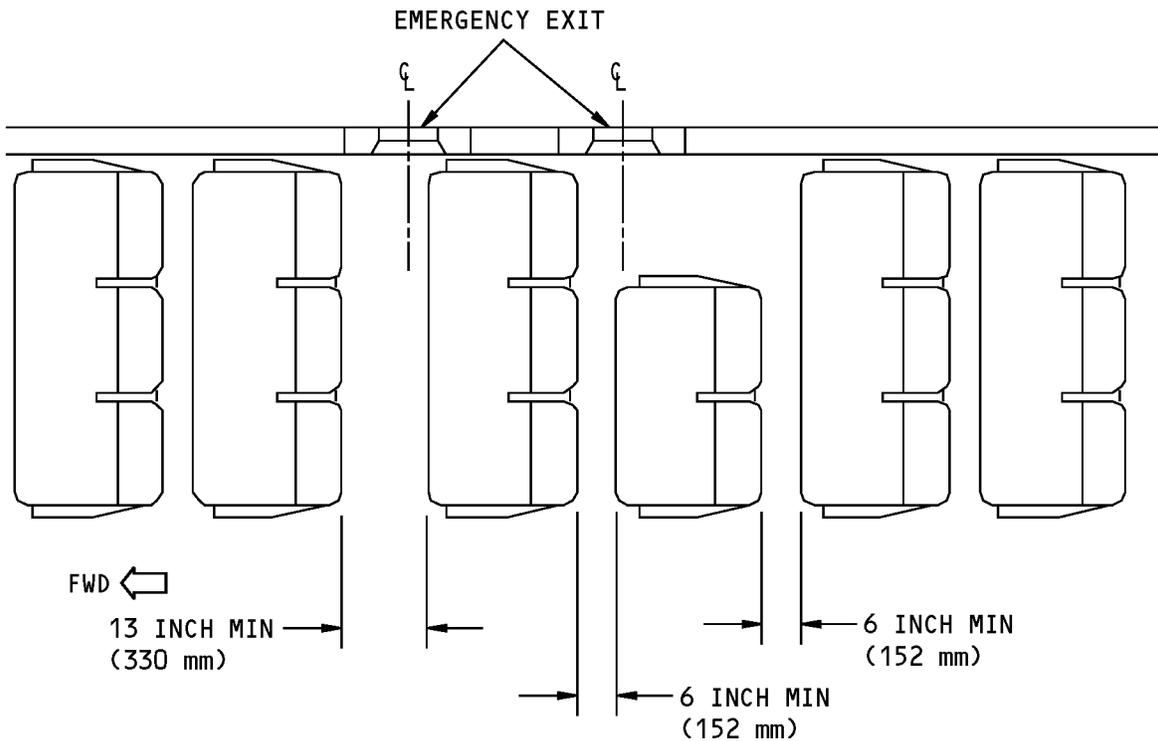
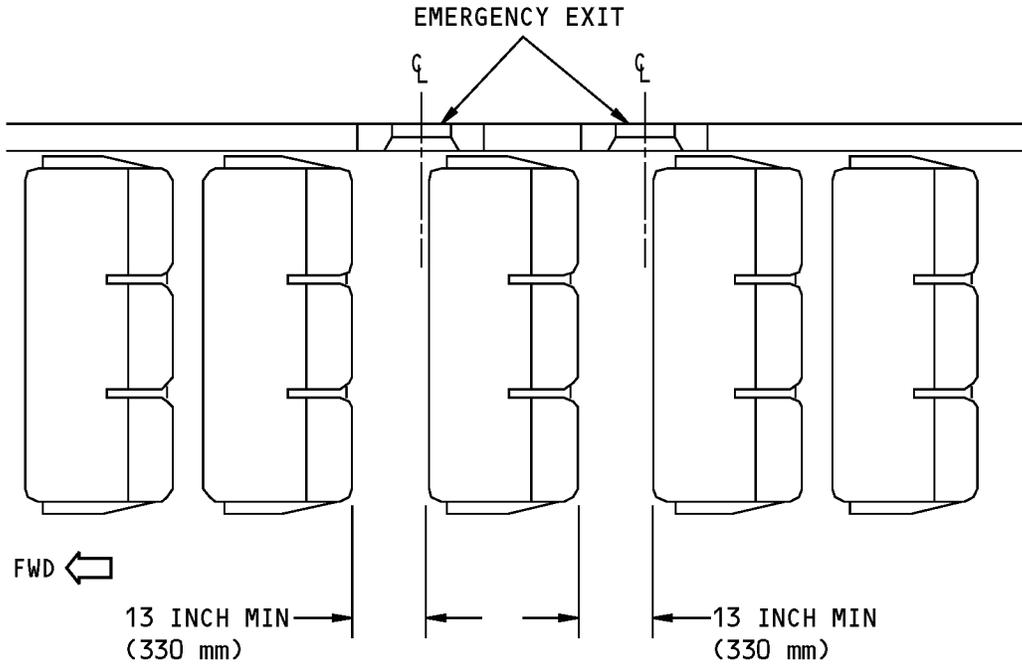
**Minimum Emergency Exit Aisle Dimensions
Figure 601 (Sheet 1 of 2)/25-22-00-990-841**

EFFECTIVITY
HAP 101-999

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Minimum Emergency Exit Aisle Dimensions
Figure 601 (Sheet 2 of 2)/25-22-00-990-841

EFFECTIVITY
HAP 001-013, 015-026, 028-054

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TASK 25-22-00-200-804

6. Track-mounted Passenger Seat Check and Inspection

A. General

(1) This procedure is a scheduled maintenance task.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-22-00-210-016

(1) Make sure the seat track fittings are installed correctly.

SUBTASK 25-22-00-700-001

(2) Hold the seat back and try to move the seat forward and aft. The seat assembly must not move at the seat track fittings.

SUBTASK 25-22-00-010-004

(3) Remove the seat track covers if the seat moves.

SUBTASK 25-22-00-430-018

(4) Tighten the rear seat track fitting to the recommended torque.

SUBTASK 25-22-00-430-019

(5) Tighten the forward anti-rattle device manually plus 1/4 turn. If there is no anti-rattle, tighten front fitting to the recommended torque.

END OF TASK

EFFECTIVITY
HAP ALL

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ATTENDANT/LAVATORY SERVICE UNITS - REMOVAL/INSTALLATION

1. General

- A. This procedure contains two tasks:
(1) Attendant/Lavatory Service Units Removal,
(2) Attendant/Lavatory Service Units Installation.

TASK 25-23-13-000-801

2. Attendant/Lavatory Service Unit Removal

Figure 401

A. General

- (1) The attendant and lavatory service units contain emergency oxygen masks and an oxygen generator.
(2) The attendant and lavatory service units are also called oxygen boxes.
(3) You can remove the oxygen masks and oxygen generator with the attendant or lavatory service units installed.

B. References

Table with 2 columns: Reference, Title. Row: 35-22-11-000-811-001, Oxygen Generator Deactivation (P/B 201)

C. Location Zones

Table with 2 columns: Zone, Area. Row: 200, Upper Half of Fuselage

D. Procedure

SUBTASK 25-23-13-040-001

- (1) Deactivate the applicable service unit [1]. To deactivate it, do this task: Oxygen Generator Deactivation, TASK 35-22-11-000-811-001

SUBTASK 25-23-13-020-001

- (2) Remove the screws [2] from the side of the service unit [1].

NOTE: The screws are on the inside edge of the oxygen box.

NOTE: Some service units have easy access to the back (top) side. Examples of these would be the one in the aft lowered ceiling, and the ones in lavatories where the lavatory ceiling can be opened. If you want, you can remove these service units by removing the screws from the back (top) side of the ceiling panel.

SUBTASK 25-23-13-020-002

- (3) Move the service unit [1] inboard and disconnect the electrical connector.

SUBTASK 25-23-13-020-003

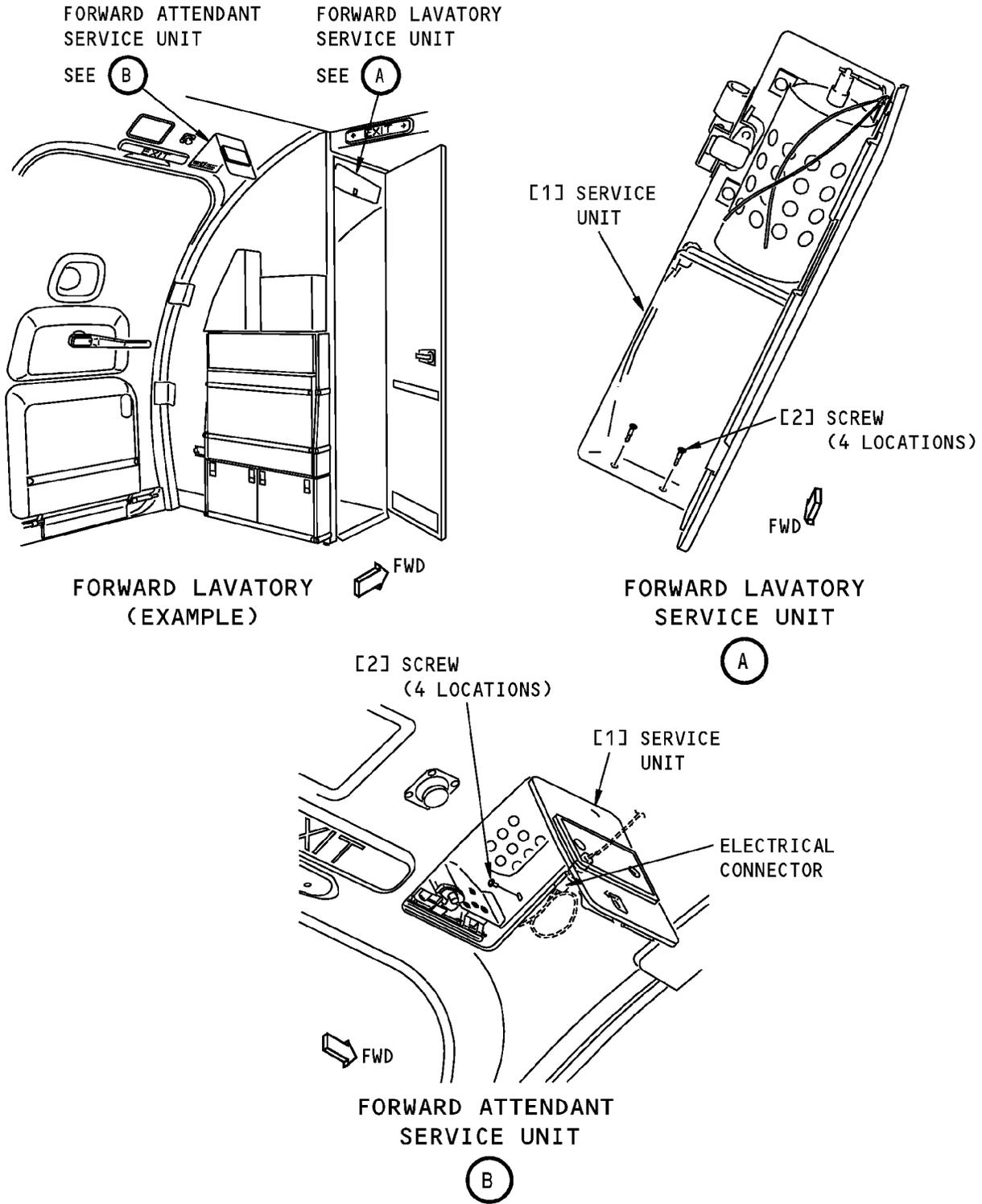
- (4) Remove the Service Unit [1].

END OF TASK

EFFECTIVITY HAP ALL D633A101-HAP

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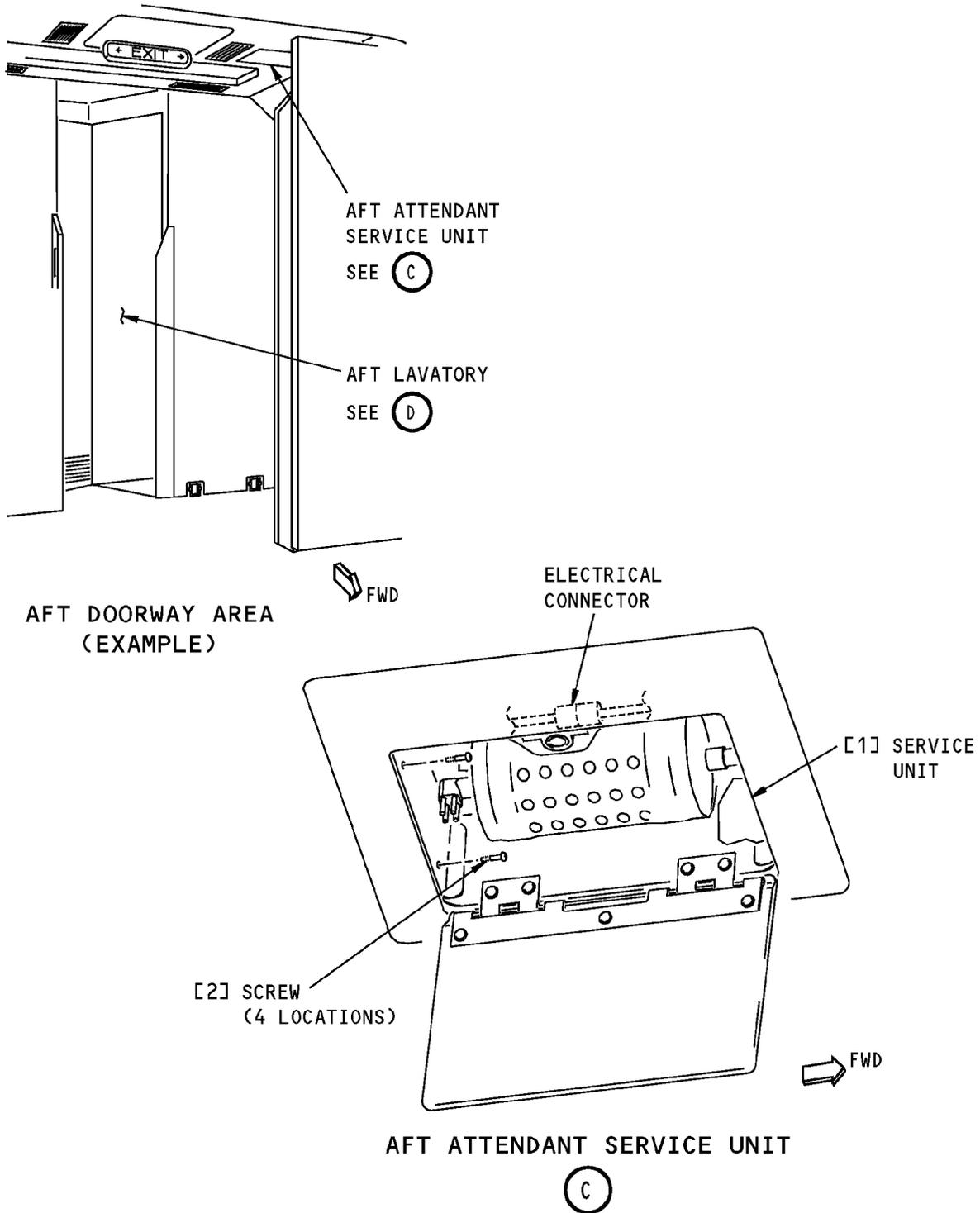
Attendant and Lavatory Service Unit Installation
Figure 401 (Sheet 1 of 3)/25-23-13-990-801

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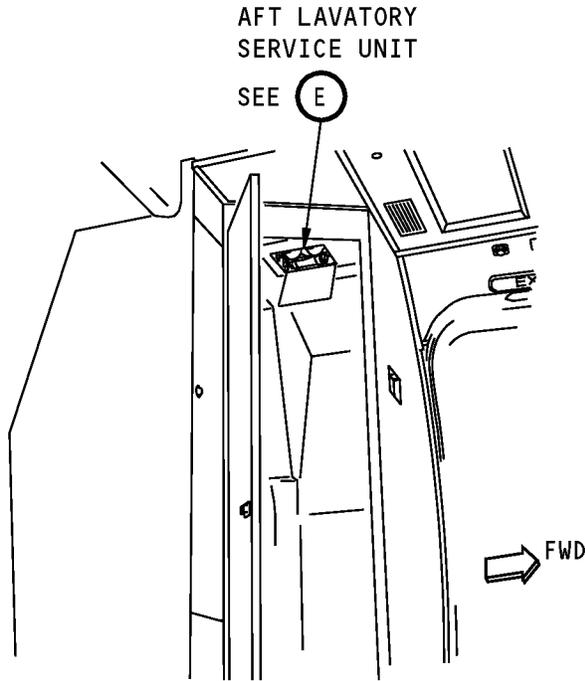


**Attendant and Lavatory Service Unit Installation
Figure 401 (Sheet 2 of 3)/25-23-13-990-801**

EFFECTIVITY
HAP ALL

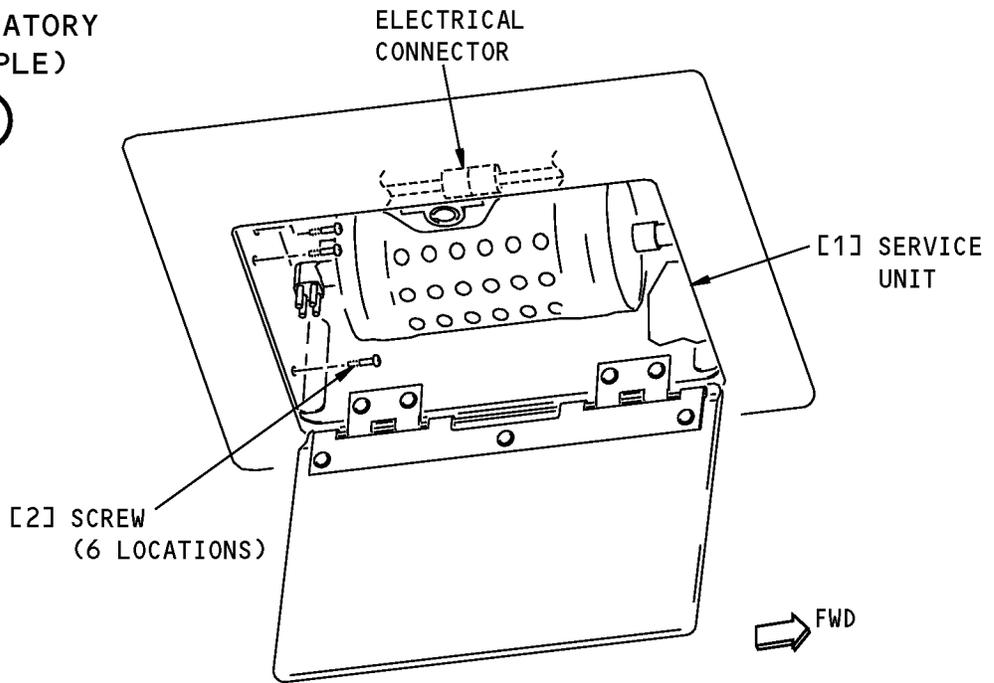
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AFT LAVATORY
(EXAMPLE)

D



AFT LAVATORY SERVICE UNIT

E

Attendant and Lavatory Service Unit Installation
Figure 401 (Sheet 3 of 3)/25-23-13-990-801

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TASK 25-23-13-400-801

3. Attendant/Lavatory Service Unit Installation

(Figure 401)

A. General

- (1) The attendant and lavatory service units contain emergency oxygen masks and an oxygen generator.
- (2) The attendant and lavatory service units are also called oxygen boxes.
- (3) You can remove the oxygen masks and oxygen generator with the attendant or lavatory service units installed.

B. References

Reference	Title
35-22-11-400-811-001	Oxygen Generator Activation (P/B 201)

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Procedure

SUBTASK 25-23-13-420-001

- (1) Connect the electrical connector for the service unit [1].

SUBTASK 25-23-13-420-002

- (2) Put the service unit [1] into the opening in the ceiling panel.

SUBTASK 25-23-13-420-003

- (3) Install the screws [2].

SUBTASK 25-23-13-440-001

- (4) Activate the service unit [1]. do this task: Oxygen Generator Activation, TASK 35-22-11-400-811-001

————— **END OF TASK** —————

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PASSENGER SERVICE UNIT (PSU) - MAINTENANCE PRACTICES

1. General

A. This procedure contains these tasks:

- (1) Passenger Service Unit (PSU) Removal,
- (2) Passenger Service Unit (PSU) Installation,
- (3) Three-piece Adjustable PSU Spacer Panel Removal,
- (4) Three-piece Adjustable PSU Spacer Panel Installation,
- (5) Two-piece Adjustable PSU Spacer Panel Removal.
- (6) Two-piece Adjustable PSU Spacer Panel Installation.
- (7) Passenger Service Unit (PSU) Adjustment

TASK 25-23-61-000-801

2. Passenger Service Unit (PSU) Removal

(Figure 201)

A. References

Reference	Title
35-22-11-000-811-001	Oxygen Generator Deactivation (P/B 201)

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-23-61-860-001

(1) Open these circuit breakers and install safety tags:

Power Distribution Panel Number 2, P92

Row	Col	Number	Name
B	1	C00094	PASS READING LIGHTS-RIGHT STA340-464
B	2	C00095	PASS READING LIGHTS-RIGHT
B	3	C00096	PASS READING LIGHTS-RIGHT
B	4	C00097	PASS READING LIGHTS-RIGHT
B	5	C00098	PASS READING LIGHTS-RIGHT
B	6	C00099	PASS READING LIGHTS-RIGHT
B	7	C00774	PASS READING LIGHTS-RIGHT

SUBTASK 25-23-61-860-005

(2) Open these circuit breakers and install safety tags:

Power Distribution Panel Number 1, P91

Row	Col	Number	Name
B	1	C00087	PASS READING LIGHTS LEFT
B	2	C00088	PASS READING LIGHTS-LEFT
B	3	C00089	PASS READING LIGHTS-LEFT
B	4	C00090	PASS READING LIGHTS-LEFT
B	5	C00091	PASS READING LIGHTS-LEFT
B	6	C00092	PASS READING LIGHTS-LEFT
B	7	C00773	PASS READING LIGHTS-LEFT

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SUBTASK 25-23-61-860-006

- (3) Open these circuit breakers and install safety tags:

CAPT Electrical System Panel, P18-3

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
A	8	C01403	PASSENGER CABIN PASS CALL LEFT
B	8	C01404	PASSENGER CABIN PASS CALL RIGHT
C	8	C01406	PASSENGER CABIN SIGNS FASTEN SEAT BELT RIGHT
C	9	C01405	PASSENGER CABIN SIGNS FASTEN SEAT BELT LEFT
C	10	C01408	PASSENGER CABIN SIGNS NO SMOKING RIGHT
C	11	C01407	PASSENGER CABIN SIGNS NO SMOKING LEFT
D	11	C00442	PASSENGER CABIN SIGNS PASS SIGN CONT
F	8	C00785	OXYGEN MAN CONT
F	9	C00784	OXYGEN PASS RIGHT
F	10	C00783	OXYGEN PASS LEFT

HAP 001-013, 015-026, 028-054

SUBTASK 25-23-61-860-007

- (4) Open these circuit breakers and install safety tags:

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
B	8	C01152	PASS READING LIGHTS-LEFT STA768-880
B	9	C01153	PASS READING LIGHTS-L STA880-937

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
B	8	C01437	PASS READING LIGHTS-R STA768-880
B	9	C01438	PASS READING LIGHTS-R STA880-937

HAP ALL

SUBTASK 25-23-61-010-001

- (5) Lower the PSU.

- (a) Release the latches.

- 1) Put a small allen wrench or other applicable tool in the access holes.
- 2) Partially lower the PSU and disconnect the lanyard.
- 3) Move the PSU to the fully lowered position.

SUBTASK 25-23-61-410-001

- (6) Do this task: Oxygen Generator Deactivation, TASK 35-22-11-000-811-001.

NOTE: This task isolates the oxygen generator and installs the safety pin.

NOTE: This task must be done before the PSU can be shipped, or transported.

SUBTASK 25-23-61-020-001

- (7) Disconnect the gasper air duct.

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SUBTASK 25-23-61-020-008

CAUTION: DO NOT TOUCH THE PSU ELECTRICAL CONTACT PINS. THE PSU CAN CONTAIN AN ELECTROSTATIC DISCHARGE SENSITIVE SWITCH MODULE. TO PREVENT DAMAGE TO THE SWITCH MODULE INSTALL A PROTECTIVE CAP ON THE CONNECTOR PLUG AFTER IT IS DISCONNECTED.

(8) Disconnect the electrical connector.

SUBTASK 25-23-61-020-002

(9) Hold the PSU and disconnect the lanyard from the support structure.

SUBTASK 25-23-61-020-003

(10) Push the plungers on the clamps to release the hinge points from the air outlet extrusion.

SUBTASK 25-23-61-860-008

(11) Check that the Call Select switch position is 1 or 2. The switch must be put in the same position when installed.

NOTE: The call select switch sends a signal to the aft or forward exit sign.

————— **END OF TASK** —————

TASK 25-23-61-400-801

3. Passenger Service Unit (PSU) Installation

(Figure 201)

A. General

- (1) The reference line on the oxygen mask is from the center of the oxygen mask deployment.
- (2) The seat reference line is from the point where the seat back touches the seat cushion.

B. References

Reference	Title
24-22-00-860-811	Supply Electrical Power (P/B 201)
24-22-00-860-812	Remove Electrical Power (P/B 201)
33-23-00-820-803	Reading Light - Adjustment (P/B 201)
35-22-11-400-811-001	Oxygen Generator Activation (P/B 201)

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Procedure

SUBTASK 25-23-61-420-001

(1) Put the outboard edge of the PSU on the air conditioning extrusion.

SUBTASK 25-23-61-420-002

(2) Push the plunger to attach the clamps to the holes in the air outlet extrusion.

NOTE: When installed correctly the plunger is extended.

SUBTASK 25-23-61-420-003

(3) Attach the lanyard to the nearest hole on the support structure.

SUBTASK 25-23-61-420-004

(4) Connect the gasper air duct.

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CAUTION: DO NOT INSTALL THE WIRE-BUNDLE/GASPER-HOSE BRACKET TOO CLOSE TO THE AFT EDGE OF THE PSU. THE WIRE-BUNDLE/GASPER-HOSE BRACKET WILL CUT THE OXYGEN HOSE IF THE BRACKET IS ADJACENT TO THE OXYGEN GENERATOR.

- (a) Attach the wire-bundle/gasper-hose bracket.

SUBTASK 25-23-61-440-001

WARNING: DO NOT REMOVE THE RELEASE PIN WHEN YOU ACTIVATE THE OXYGEN GENERATOR. THE OXYGEN GENERATOR WILL GET VERY HOT (450°F) (232.2°C). YOU CAN GET A VERY SERIOUS BURN INJURY.

- (5) Do this task: Oxygen Generator Activation, TASK 35-22-11-400-811-001.

NOTE: You must remove the safety pin when you activate the oxygen generator. The oxygen generator will not operate in an emergency if the safety pin is still installed.

SUBTASK 25-23-61-860-002

- (6) Make sure that the Call Select switch is put in the same position as the removed Call Select switch. The switch position can be 1 or 2.

NOTE: The call select switch sends a signal to the aft or forward exit sign.

SUBTASK 25-23-61-420-005

- (7) Close the PSU panel, to positively latch the PSU to the inboard PSU rails, the following steps shall be taken during the PSU installation:

- (a) Make sure that the inboard edge of the PSU clears the inboard edge of the stow-bin rail.
- (b) Make sure that the clicking sound of the cam-latch is heard.
- (c) Apply down pull pressure to the panel to make sure that it is latched after installation is complete.

- 1) Lower the PSU to the service position if access to the panel is blocked by an adjacent PSU.

SUBTASK 25-23-61-820-001

- (8) Adjust the reading lights if it is necessary Reading Light - Adjustment, TASK 33-23-00-820-803.

E. Put the Airplane in its Normal Condition

SUBTASK 25-23-61-860-003

- (1) Do this task: Supply Electrical Power, TASK 24-22-00-860-811.

SUBTASK 25-23-61-710-001

- (2) Make sure the electrical devices in the PSU operate correctly.

SUBTASK 25-23-61-860-004

- (3) Do this task: Remove Electrical Power, TASK 24-22-00-860-812.

————— **END OF TASK** —————

TASK 25-23-61-000-802

4. Three-piece Adjustable PSU Spacer Panel Removal

(Figure 201)

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

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B. Procedure

SUBTASK 25-23-61-010-002

- (1) Lower the adjacent spacer panel or PSU.

SUBTASK 25-23-61-010-003

- (2) Push the latch extension of the cam latches and pull downward on the panel bases until all latches disengage from the bin rail.

SUBTASK 25-23-61-020-004

- (3) Lower the inboard edge of the spacer panel while you pull the panel inboard to remove the index springs from the air outlet extrusion.

————— END OF TASK —————

TASK 25-23-61-400-802

5. Three-piece Adjustable PSU Spacer Panel Installation

(Figure 201)

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Procedure

SUBTASK 25-23-61-420-006

- (1) Adjust the panel to the necessary width.

NOTE: This can be done while you hold the panel slider and push or pull on the panel base. Repeat this to adjust the other panel base. Use the raised numbers on the slider panel to get the correct width adjustment.

SUBTASK 25-23-61-420-007

- (2) Put the index springs into the air outlet extrusion holes.

SUBTASK 25-23-61-420-008

- (3) Push the inboard edge of the spacer panel outboard and upward until the cam latches engage the bin rail.

SUBTASK 25-23-61-420-009

- (4) Push the panel bases apart to close any gaps with the adjacent panels.

SUBTASK 25-23-61-420-010

- (5) Apply upward pressure to the panel base under the cam latches to fully engage the latches.

NOTE: The latches will generally make a "click" sound when they fully engage.

————— END OF TASK —————

TASK 25-23-61-000-803

6. Two-piece Adjustable PSU Spacer Panel Removal

(Figure 201)

A. General

- (1) A termination panel is one which is against the stowage bin end cap.

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B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-23-61-010-004

- (1) Lower the panel adjacent to the panel slider side of the spacer panel until the spring clips no longer grasp the adjacent panel wall.

SUBTASK 25-23-61-020-005

- (2) Push the latch extensions of the cam latches and pull downward on the panel base until the latches disengage from the bin rail.

SUBTASK 25-23-61-020-006

- (3) Pull the corner spring coil inboard while you lower the inboard edge of the spacer panel.
 - (a) Pull the spacer panel inboard to remove the index springs from air outlet extrusion.

————— **END OF TASK** —————

TASK 25-23-61-400-803

7. Two-piece Adjustable PSU Panel Installation

(Figure 201)

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Procedure

SUBTASK 25-23-61-420-011

- (1) Adjust the panel to the necessary width.

SUBTASK 25-23-61-420-012

- (2) Lower the adjacent panel but do not remove it from the air outlet extrusion.

SUBTASK 25-23-61-420-013

- (3) Locate the index springs into the holes of the air outlet extrusion.

SUBTASK 25-23-61-420-014

- (4) Make sure the spring clip grasps the wall of the adjacent panel.
 - (a) Move the inboard edge of the spacer panel or raise the inboard edge of the adjacent panel.

SUBTASK 25-23-61-420-015

- (5) Push the inboard edge of both the spacer panel and the adjacent panel outboard and upward together until the cam latches engage the bin rail.

SUBTASK 25-23-61-420-016

- (6) Push the panel base forward or aft as necessary to close the gaps between the panels.

SUBTASK 25-23-61-420-017

- (7) Apply upward pressure to the panel base under the cam latches to fully engage the latches.

NOTE: The latches will generally make a "click" sound when they fully engage.

————— **END OF TASK** —————

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TASK 25-23-61-820-801

8. Passenger Service Unit (PSU) Adjustment

(Figure 201)

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Procedure

SUBTASK 25-23-61-820-002

(1) Adjust the PSU:

- (a) Lower the PSU and the adjacent spacer panels.
- (b) Disengage the index pin on the support clamp from the index hole on the air conditioning extrusion.
- (c) Move the outboard support clamps and the PSU forward or aft to install the PSU in the necessary position.
- (d) Engage the index pin on the support clamp with the index hole in the air conditioning extrusion.

NOTE: The forward edge of the PSU is ideally 18 inches (45.7 cm) forward of the cushion reference point. The cushion reference point is where the seat back intersects the seat cushion.

CAUTION: DO NOT INSTALL THE WIRE-BUNDLE/GASPER-HOSE BRACKET TOO CLOSE TO THE AFT EDGE OF THE PSU. THE WIRE-BUNDLE/GASPER-HOSE BRACKET MAY CUT THE OXYGEN HOSE IF THE BRACKET IS ADJACENT TO THE OXYGEN GENERATOR.

- (e) Attach the wire-bundle/gasper-hose bracket 3.5 to 11.5 inches (8.9-29.2 cm) forward of the aft edge of the PSU panel, between the outboard latches.
- (f) Make sure the PSU is free to move when the unit is in the closed position.
 - 1) Make sure the cold air hose does not have any kinks or excessive bends.
- (g) If it is necessary, move the wire bundle, or the cold air hose to a new outlet along the side-wall.
- (h) Lift the adjacent spacer panels.
 - 1) Close the PSU.

SUBTASK 25-23-61-820-003

- (2) Push the applicable spacer panel base forward or aft as required to close the gaps between the panels.

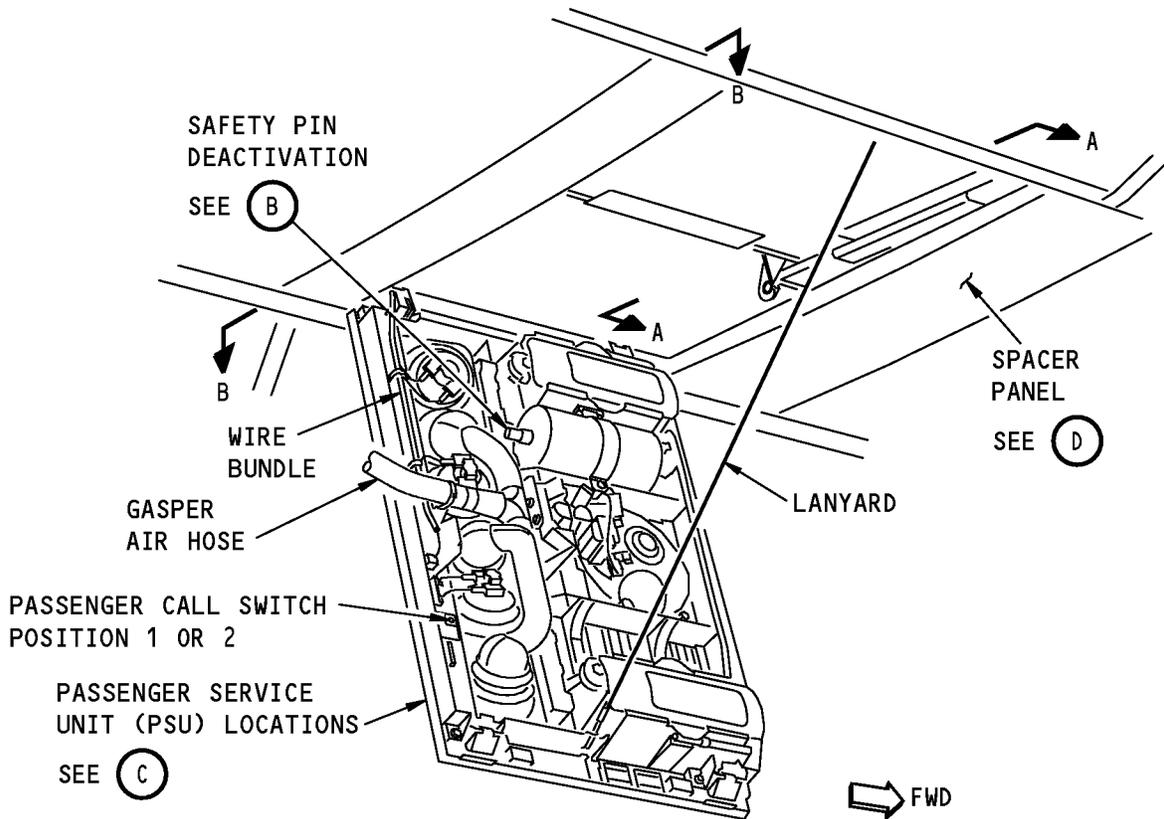
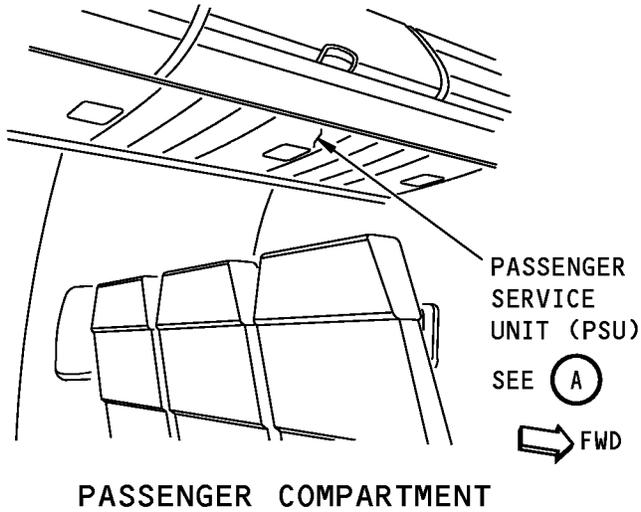
————— **END OF TASK** —————

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**PASSENGER SERVICE UNIT (PSU)
(EXAMPLE)**

(A)

F90204 S0006566873_V2

**Passenger Service Unit (PSU) Installation
Figure 201 (Sheet 1 of 4)/25-23-61-990-801**

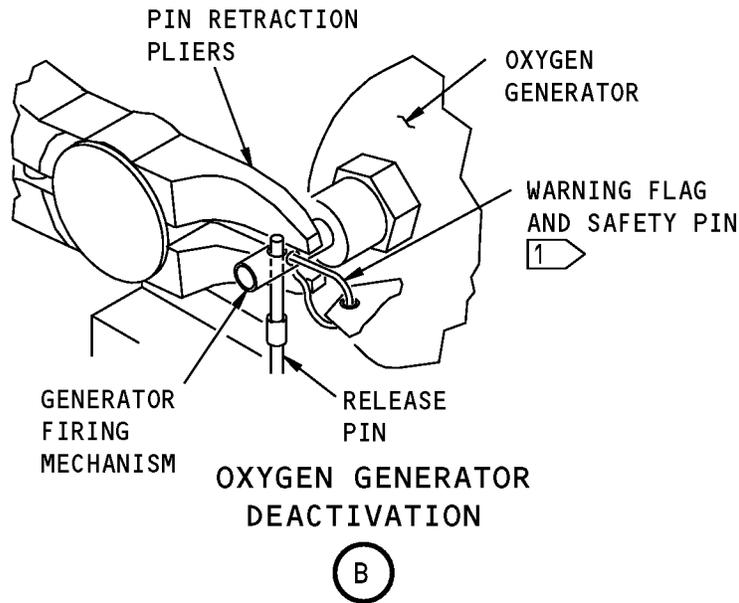
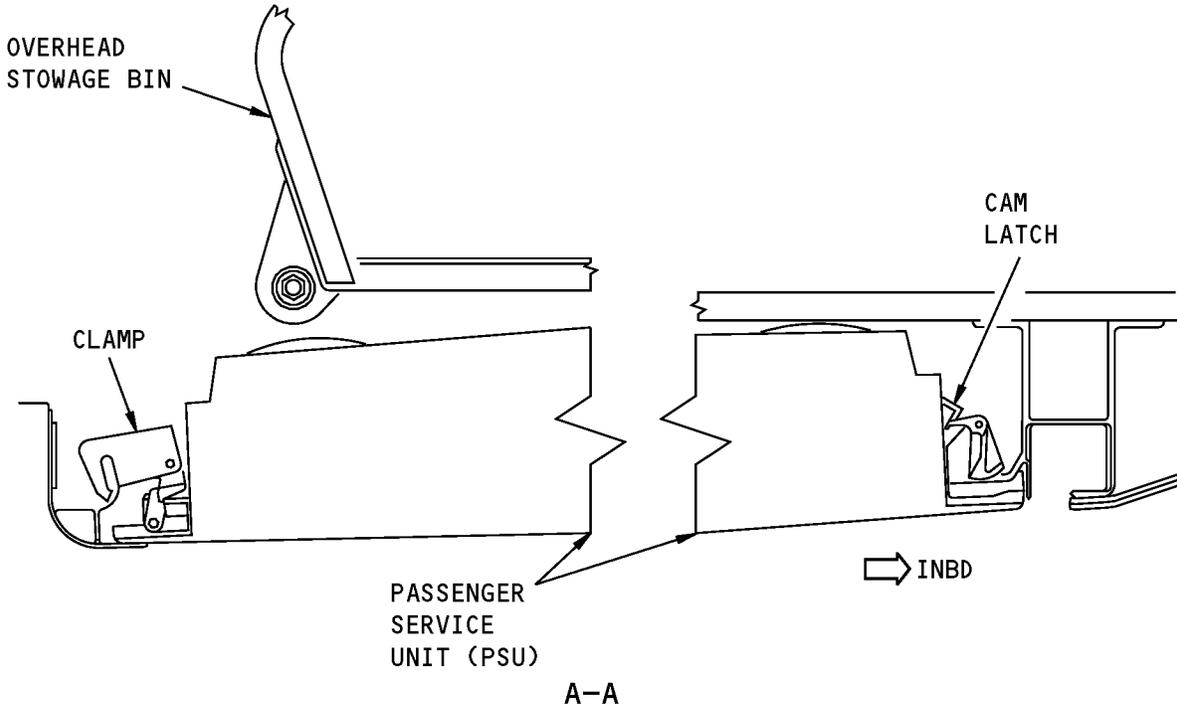
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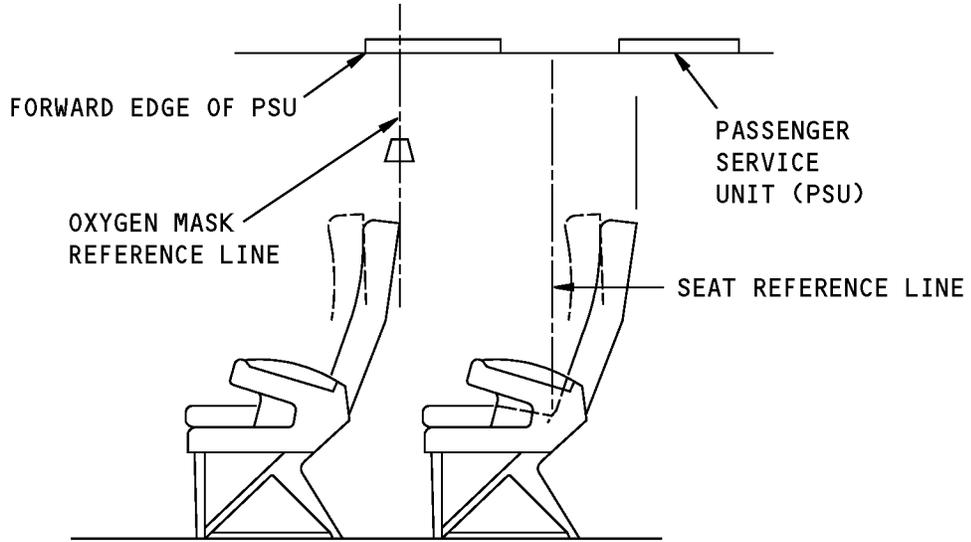
1 SAFETY PIN MUST BE REMOVED WHEN PSU IS INSTALLED, SO THAT GENERATOR WILL OPERATE IN AN EMERGENCY

Passenger Service Unit (PSU) Installation
Figure 201 (Sheet 2 of 4)/25-23-61-990-801

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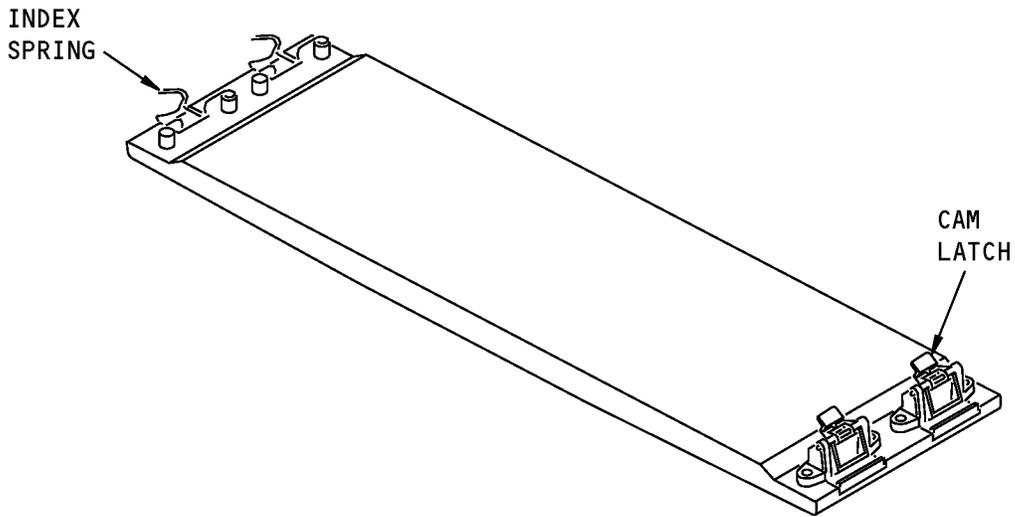
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**PASSENGER SERVICE UNIT (PSU) LOCATIONS
(EXAMPLE)**

(C)



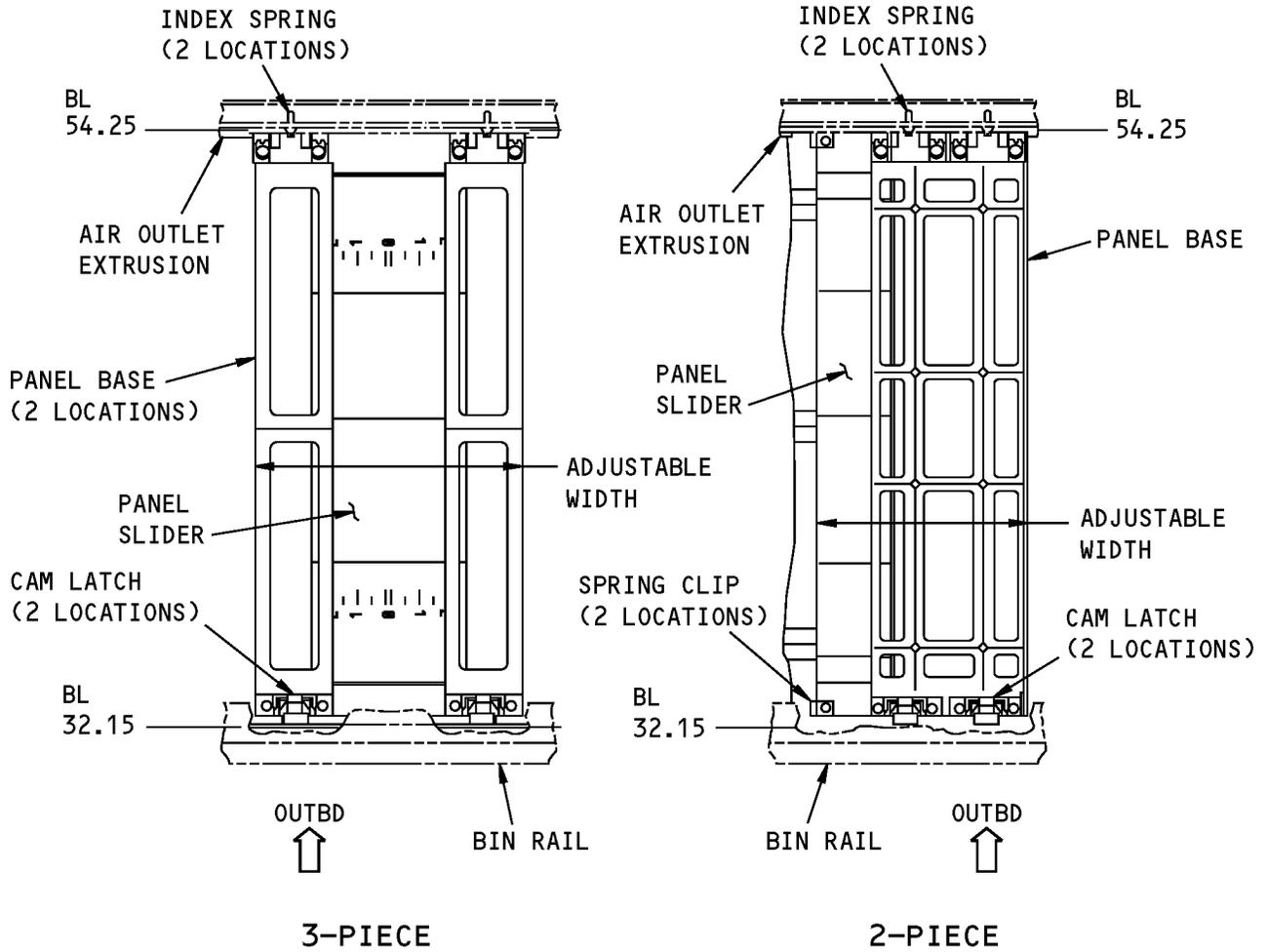
**SPACER PANEL
(EXAMPLE)**

(D)

**Passenger Service Unit (PSU) Installation
Figure 201 (Sheet 3 of 4)/25-23-61-990-801**

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**SPACER PANEL
(ADJUSTABLE, EXAMPLE)
B-B**

**Passenger Service Unit (PSU) Installation
Figure 201 (Sheet 4 of 4)/25-23-61-990-801**

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MONUMENT MOUNTED CURTAIN AND TRACK - REMOVAL/INSTALLATION

1. General

A. This procedure contains these tasks:

- (1) Monument Mounted Curtain and Track Removal,
- (2) Monument Mounted Curtain and Track Installation.

TASK 25-24-05-000-801

2. Monument Mounted Curtain and Track Removal

(Figure 401)

A. References

Reference	Title
25-21-71-000-805	Close Out Panel Removal, Forward Lowered Ceiling (P/B 401)

B. Location Zones

Zone	Area
222	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Right

C. Prepare for the Procedure

SUBTASK 25-24-05-010-001

- (1) Do this task: Close Out Panel Removal, Forward Lowered Ceiling, TASK 25-21-71-000-805.

D. Procedure

SUBTASK 25-24-05-020-001

- (1) Remove the curtain [2] from the curtain track [1].

SUBTASK 25-24-05-020-002

- (2) Remove the screws [3] and washers [4] on the curtain track.

SUBTASK 25-24-05-000-001

- (3) If it is necessary to remove the support brackets [9], do the steps that follow.

- (a) Remove the screws [5], washers [6], spacers [7] and bolts [8].

————— END OF TASK —————

TASK 25-24-05-400-801

3. Monument Mounted Curtain and Track Installation

(Figure 401)

A. Location Zones

Zone	Area
222	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Right

B. Procedure

SUBTASK 25-24-05-000-002

- (1) If the support brackets [9] were removed, do the steps that follow.

- (a) Install the screws [5], washers [6], spacers [7] and bolts [8].

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SUBTASK 25-24-05-020-003

- (2) Install the curtain track [1] to the support brackets [9], with the screws [3] and washers [4] on the curtain track.

SUBTASK 25-24-05-420-001

- (3) Install the curtain [2] on the curtain track [1].

————— **END OF TASK** —————

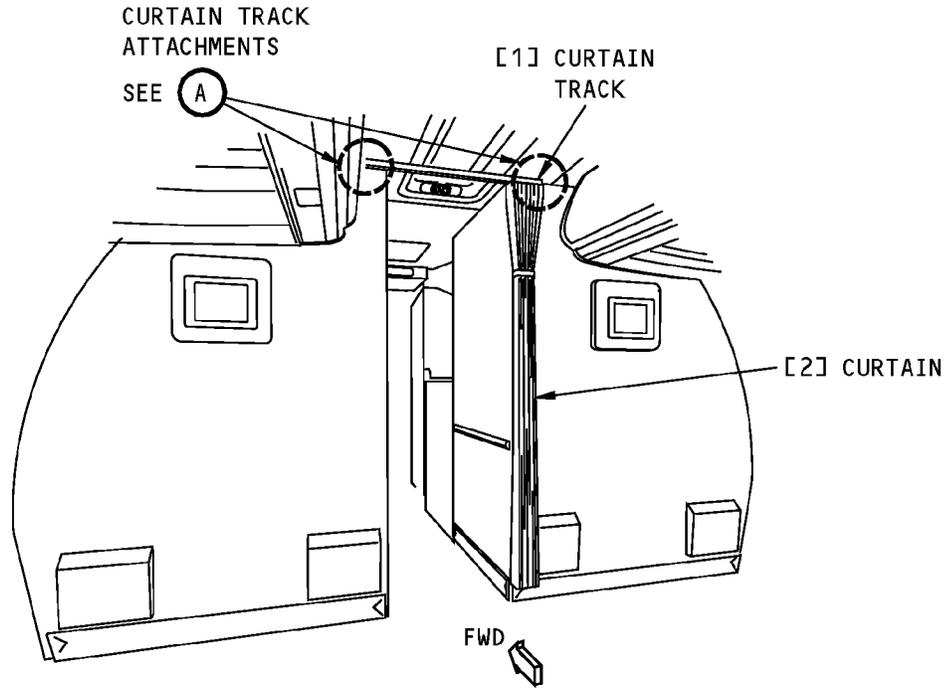
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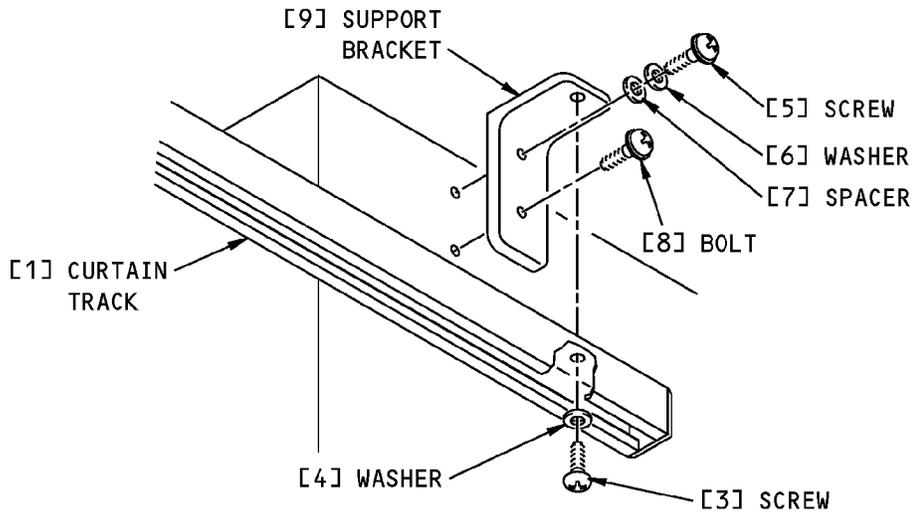
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**FORWARD PASSENGER COMPARTMENT
(EXAMPLE)**



**CURTAIN TRACK ATTACHMENT
(EXAMPLE)**

(A)

**Monument Mounted Curtain and Track Installation
Figure 401/25-24-05-990-801**

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CEILING MOUNTED CURTAIN TRACK - REMOVAL/INSTALLATION

1. General

A. This procedure contains these tasks:

- (1) Ceiling mounted curtain track removal
- (2) Ceiling mounted curtain track installation

TASK 25-24-07-000-801

2. Ceiling Mounted Curtain Track Removal

(Figure 401)

A. References

Reference	Title
25-21-71-000-805	Close Out Panel Removal, Forward Lowered Ceiling (P/B 401)

B. Location Zones

Zone	Area
222	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Right

C. Prepare for the removal

SUBTASK 25-24-07-010-001

- (1) Do this task: Close Out Panel Removal, Forward Lowered Ceiling, TASK 25-21-71-000-805.

D. Procedure

SUBTASK 25-24-07-020-001

- (1) Remove the curtain assembly [4] from the curtain track [2].

SUBTASK 25-24-07-020-002

- (2) Remove the screws [3] on the curtain track [2] from the ceiling assembly [1].

SUBTASK 25-24-07-000-001

- (3) Remove the curtain track [2].

————— **END OF TASK** —————

TASK 25-24-07-400-801

3. Ceiling Mounted Curtain Track Installation

(Figure 401)

A. References

Reference	Title
25-21-71-400-805	Close Out Panel Installation, Forward Lowered Ceiling (P/B 401)

B. Location Zones

Zone	Area
220	Subzone - Passenger Compartment - Body Station 259.50 to 360.00

C. Procedure

SUBTASK 25-24-07-000-002

- (1) Mount the curtain track [2] to the ceiling assembly [1].

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SUBTASK 25-24-07-000-003

(2) Attach the screws [3] through curtain track [2] and into the ceiling assembly [1].

SUBTASK 25-24-07-420-001

(3) Install the curtain assembly [4] on the curtain track [2].

D. Put the Airplane Back to It's Usual Condition

SUBTASK 25-24-07-420-002

(1) Do this task: Close Out Panel Installation, Forward Lowered Ceiling, TASK 25-21-71-400-805.

————— **END OF TASK** —————

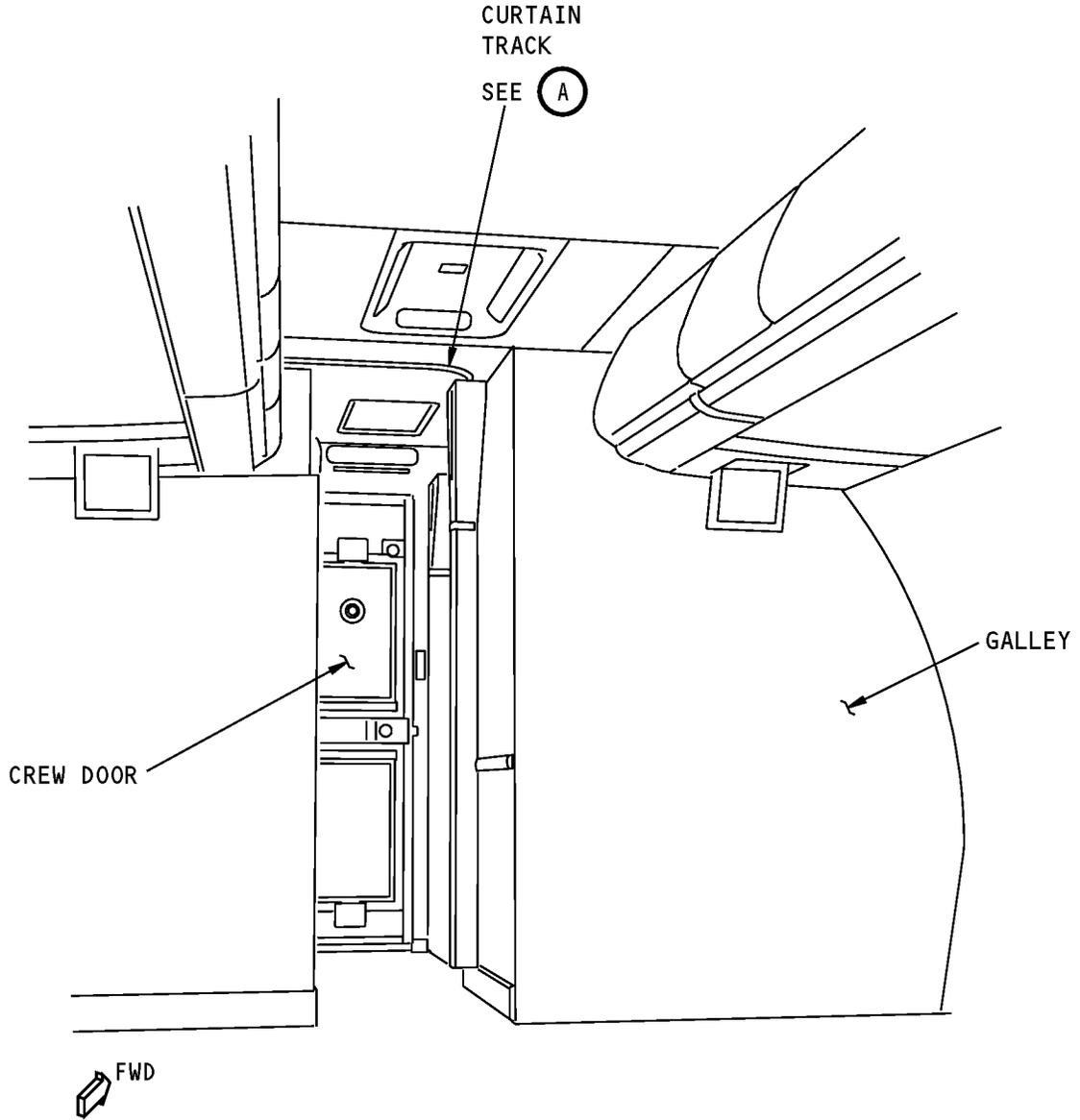
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**FORWARD PASSENGER COMPARTMENT
(EXAMPLE)**

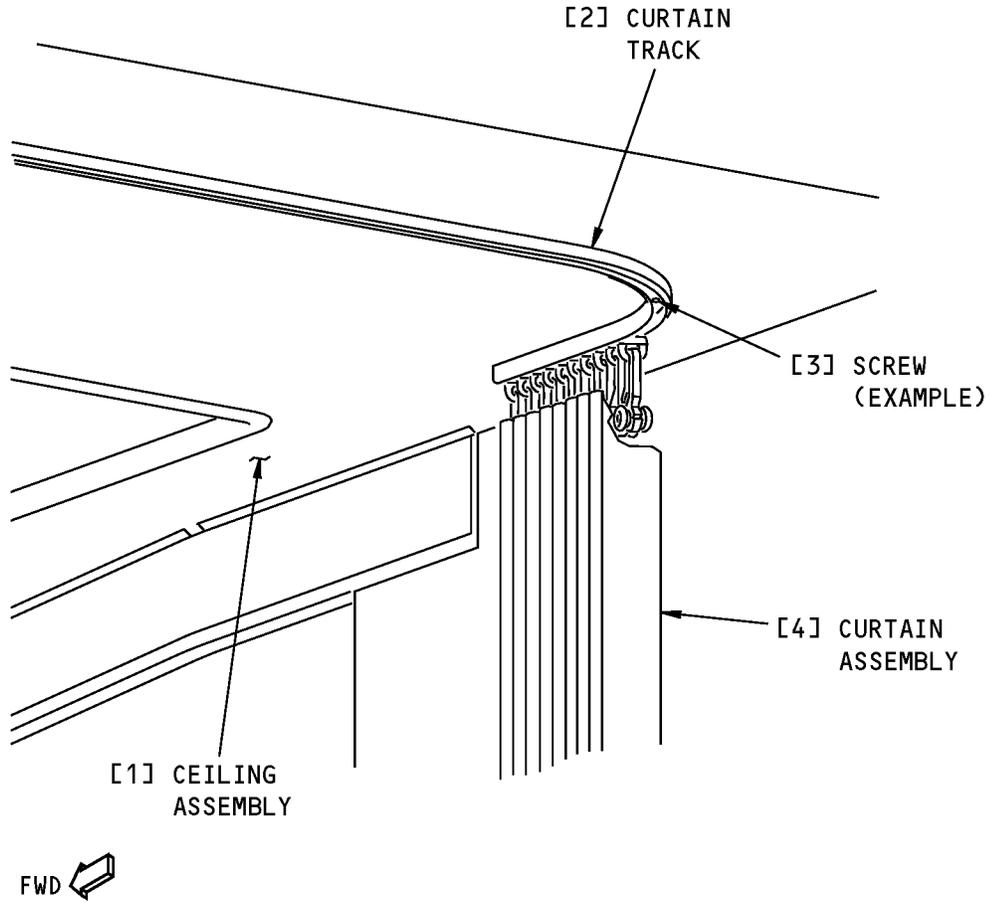
**Ceiling Mounted Curtain Track Installation
Figure 401 (Sheet 1 of 2)/25-24-07-990-801**

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**CURTAIN TRACK
(EXAMPLE)**

A

**Ceiling Mounted Curtain Track Installation
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CLASS DIVIDER HEADER - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) Fixed Class Divider Header Removal,
- (2) Fixed Class Divider Header Installation,

B. The fixed class divider has three components: a header assembly, a left divider assembly and right divider assembly. Each component is removed and installed independently.

TASK 25-24-10-000-801

2. Fixed Class Divider Header Removal

(Figure 401)

A. References

Reference	Title
25-21-45-000-801	Sculptured Ceiling Panel Removal (P/B 401)

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Prepare for the Removal

SUBTASK 25-24-10-010-001

- (1) Remove the ceiling panel above the class divider. To remove the ceiling panel, do this task: Sculptured Ceiling Panel Removal, TASK 25-21-45-000-801.

D. Fixed Class Divider Header Removal

SUBTASK 25-24-10-020-001

- (1) Do these steps to remove the header assembly [1] of the class divider:
 - (a) Disconnect the electrical connectors, if applicable.
 - (b) Do these steps to remove the curtain from the header assembly [1]:
 - 1) Open the tiebacks to release the curtains [3].
 - 2) Remove the screw [5], washer [6] and nutplate [7] from one end of the header assembly [1].

CAUTION: BE CAREFUL WITH THE CURTAINS. THE CURTAINS CAN BECOME DAMAGED AND DIRTY EASILY.

- 3) Move the sliders [4] out of the curtain track to remove the curtains [3] from the header assembly [1].

- (c) Remove the bolt [8], nut [10] and washers [9] to disconnect the header assembly [1] from the support clevis [11].

NOTE: When the header assembly is to be re-installed in the same location, record the location of the header assembly on the support clevis [11].

CAUTION: BE CAREFUL WITH THE HEADER ASSEMBLY. THE HEADER ASSEMBLY CAN BECOME DAMAGED AND DIRTY EASILY.

- (d) Carefully remove the header assembly [1].

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- (e) To move the class divider to a new location, remove the nuts [12] that attach the support clevis [11] to the top of the stowage bin.
 - 1) Remove the support clevis [11].

————— END OF TASK —————

TASK 25-24-10-400-801

3. Fixed Class Divider Header Installation

(Figure 401)

A. References

Reference	Title
25-21-45-400-801	Sculptured Ceiling Panel Installation (P/B 401)

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Fixed Class Divider Header Installation

SUBTASK 25-24-10-420-001

- (1) Do these steps to install the header assembly [1] of the class divider:
 - (a) If the class divider was moved to a new location, do these steps to attach the support clevis [11] to the top of the stowage bin.
 - 1) Put each support clevis [11] in its position on the studs on the top of the stowage bins.
 - 2) Install the nuts [12] that attach the support clevis [11] to the studs on the stowage bins.
 - (b) Put the header assembly [1] in its position.
 - (c) Install the washers [9] as necessary to center the header assembly [1] between the fittings on the support clevis [11].
 - (d) Install the bolt [8] and nut [10] to attach the header assembly [1] to the support clevis [11].

NOTE: Put the washers [9] that are not used to align the header assembly [1] under the nut [10].
 - (e) Connect the electrical connectors, if applicable.
 - (f) Do these steps to install the curtain [3] in the header assembly [1]:

CAUTION: BE CAREFUL WITH THE CURTAINS. THE CURTAINS CAN BECOME DAMAGED AND DIRTY EASILY.

- 1) Move the sliders [4] into the curtain track to install the curtains [3] in the header assembly [1].
- 2) Install the screw [5], washer [6], and nutplate [7] in the end of the header assembly [1].
- 3) Close the tiebacks around the curtains [3].

D. Put the Airplane Back to Its Usual Condition

SUBTASK 25-24-10-410-001

- (1) Install the ceiling panel(s) you removed for this task. To install the ceiling panel, do this task: Sculptured Ceiling Panel Installation, TASK 25-21-45-400-801.

————— END OF TASK —————

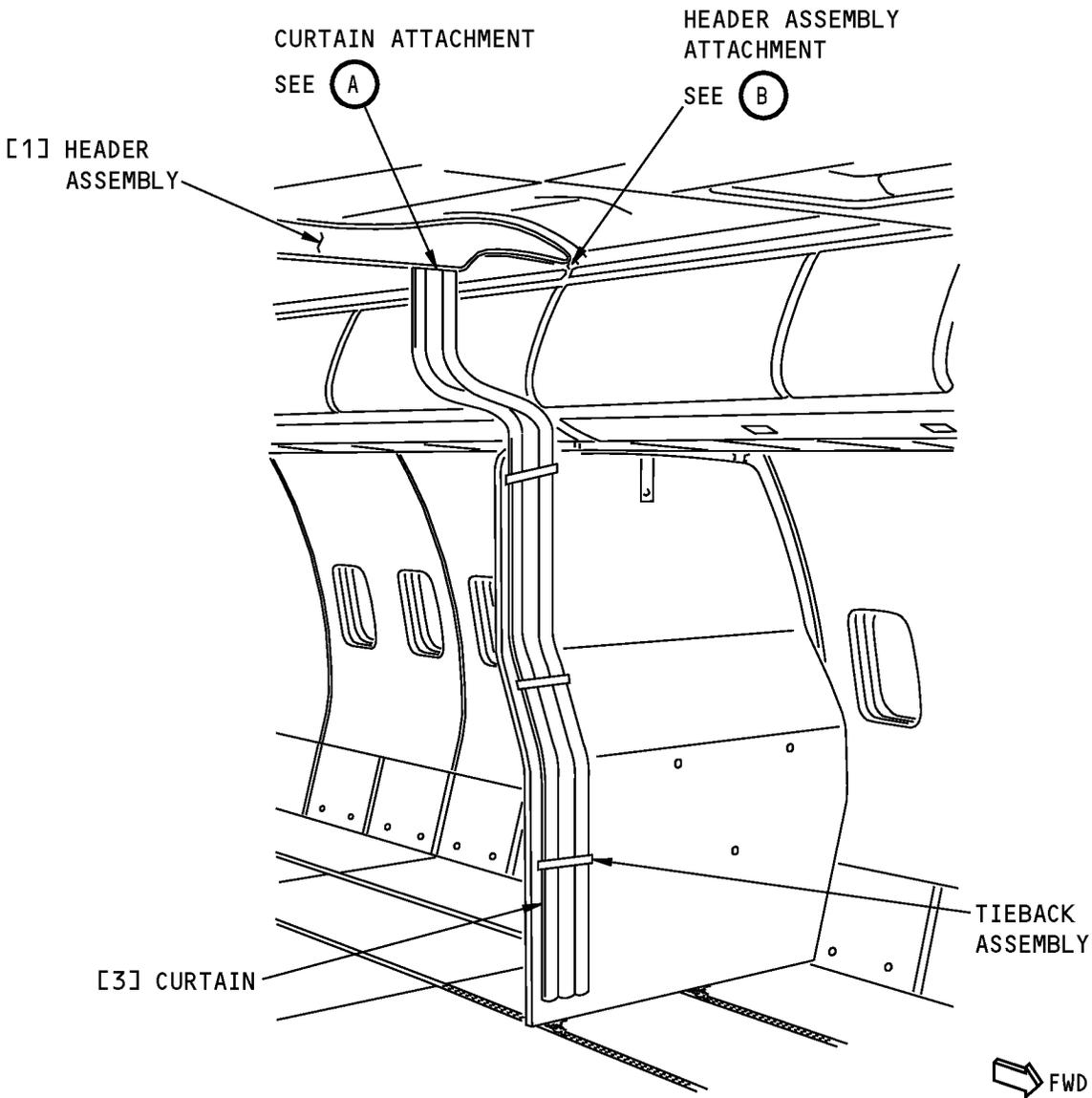
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**CLASS DIVIDER HEADER
(EXAMPLE)
(LEFT SIDE IS SHOWN, RIGHT SIDE IS OPPOSITE)**

**Fixed Class Divider Header Installation
Figure 401 (Sheet 1 of 2)/25-24-10-990-804**

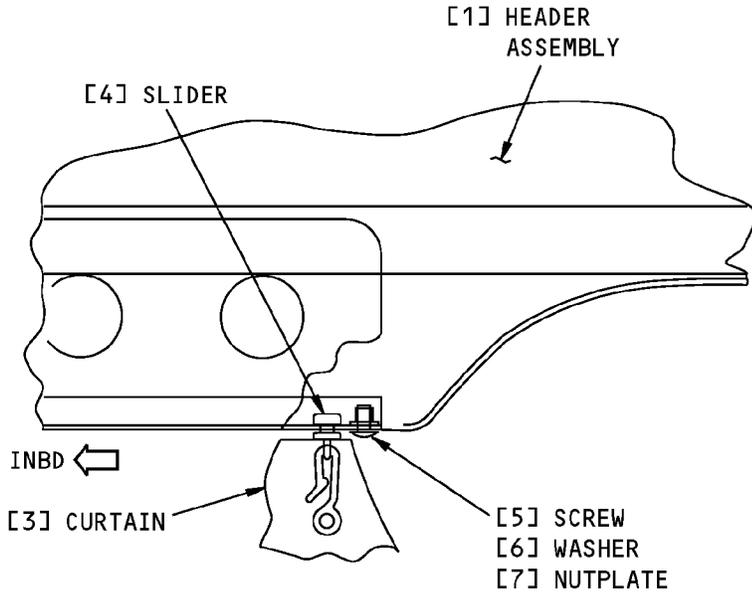
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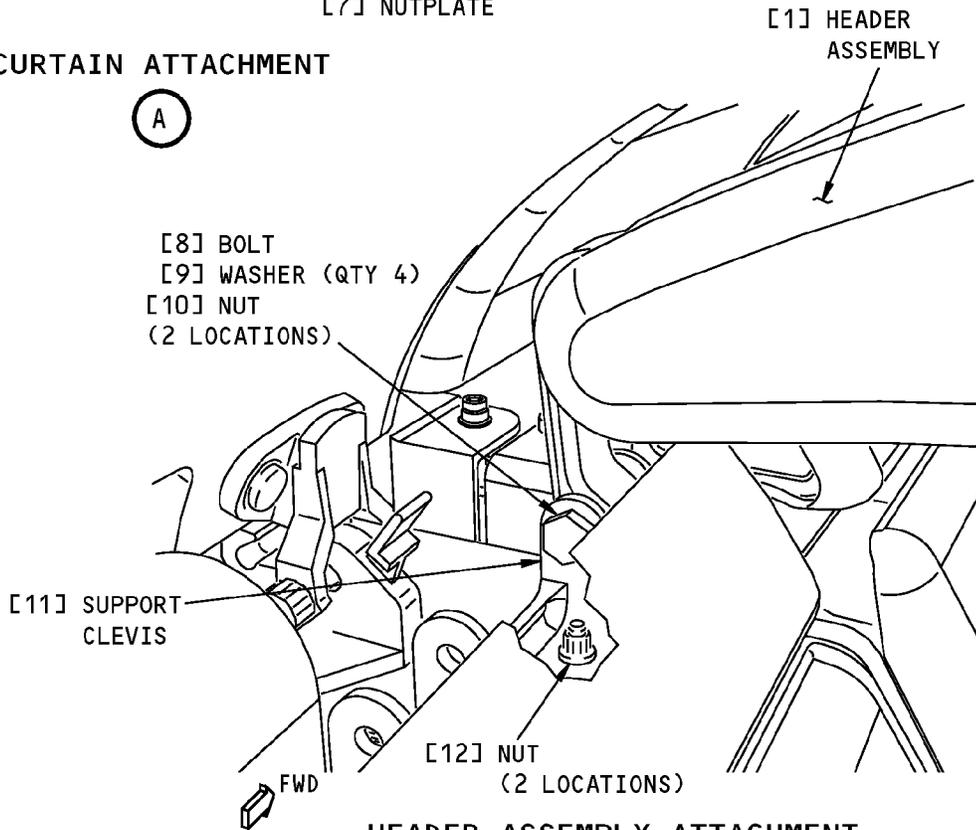
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CURTAIN ATTACHMENT

(A)



HEADER ASSEMBLY ATTACHMENT

(B)

**Fixed Class Divider Header Installation
Figure 401 (Sheet 2 of 2)/25-24-10-990-804**

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PARTITIONS - REMOVAL/INSTALLATION

1. General

- A. In this procedure, partitions refer to the windscreens, closets, and class dividers.
- B. All the tasks in this procedure are not necessary to remove and install all types of partitions.
- C. This procedure has these tasks:
 - (1) Prepare to Remove the Partition,
 - (2) Partition Removal,
 - (3) Top Attachment Removal,
 - (4) Bottom Attachment Removal,
 - (5) Partition Installation,
 - (6) Bottom Attachment Installation,
 - (7) Top Attachment Installation,
 - (8) Put the Airplane Back to Its Usual Condition.

TASK 25-24-15-840-801

2. Prepare to Remove the Partition

A. General

- (1) All the steps in this task are not necessary to prepare to remove all types of partitions.

B. References

Reference	Title
23-32-02-000-801-001	Video System Control Unit Removal (P/B 401)
24-22-00-860-812	Remove Electrical Power (P/B 201)
25-21-45-000-801	Sculptured Ceiling Panel Removal (P/B 401)
25-21-71-000-801	Lowered Ceiling Removal (P/B 401)
25-22-00-000-801	Passenger Seat Removal (P/B 401)
25-25-11-000-801	Attendant's Panel and Components Removal (P/B 401)
25-25-12-000-801	Attendants' Seat Removal (P/B 401)
33-51-14-960-802	Floor Proximity Light - Light Assembly Replacement (P/B 201)

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Procedure

SUBTASK 25-24-15-860-005

- (1) If there is electrical lighting or electrical equipment installed on the partition [1], do this task: Remove Electrical Power, TASK 24-22-00-860-812.
 - (a) Disconnect or remove the electrical lighting, if applicable. To disconnect or remove the lighting from the partition [1], do this task: Floor Proximity Light - Light Assembly Replacement, TASK 33-51-14-960-802.
 - (b) If there is an attendant's panel installed on the partition [1], do this task: Attendant's Panel and Components Removal, TASK 25-25-11-000-801.
 - (c) Remove the electrical equipment installed on the partition [1], if applicable.

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- 1) Disconnect the electrical connectors.

NOTE: To get access to the electrical connectors, it can be necessary to remove a cover assembly and wire clips.

SUBTASK 25-24-15-020-028

- (2) FOR PARTITIONS WITH A VIDEO CONTROL CENTER; do this task: Video System Control Unit Removal, TASK 23-32-02-000-801-001

SUBTASK 25-24-15-010-002

- (3) If it is necessary to get better access to the partition [1], do the applicable tasks that follow:
 - (a) Do this task: Lowered Ceiling Removal, TASK 25-21-71-000-801.
 - (b) Do this task: Sculptured Ceiling Panel Removal, TASK 25-21-45-000-801.
 - (c) Do this task: Passenger Seat Removal, TASK 25-22-00-000-801.

SUBTASK 25-24-15-020-016

- (4) If there is an attendants' seat attached to the partition [1], do this task: Attendants' Seat Removal, TASK 25-25-12-000-801.

SUBTASK 25-24-15-020-017

- (5) If there is a stowage unit installed on the partition [1], remove the stowage unit.

————— END OF TASK —————

TASK 25-24-15-000-804

3. Partition Removal

(Figure 401)

A. General

- (1) All the steps in this task are not necessary to remove all types of partitions.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-24-15-020-018

- (1) For partitions [1] with an upper attachment(s), do this task: Top Attachment Removal, TASK 25-24-15-000-805.

SUBTASK 25-24-15-020-019

- (2) Do this task: Bottom Attachment Removal, TASK 25-24-15-000-806.

SUBTASK 25-24-15-020-020

- (3) Carefully remove the partition [1] from its location.

HAP ALL; AIRPLANES WITH PARTITIONS WITH AN A/C EXTRUSION ATTACHMENT

SUBTASK 25-24-15-020-021

- (4) Do these steps to remove the outboard top support attachment (Figure 404):

NOTE: It is not necessary to disconnect or remove the outboard A/C top support attachment to remove the partition [1].

- (a) Loosen the setscrew [47] on the bottom of the partition attachment assembly [45].

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HAP ALL; AIRPLANES WITH PARTITIONS WITH AN A/C EXTRUSION ATTACHMENT (Continued)

- (b) Remove the locking screw [48] and the washer [49] on the partition attachment assembly [45].
- (c) Rotate the partition attachment assembly [45] and the extrusion attachment assembly [46] a small amount to remove them.

HAP ALL

————— END OF TASK —————

TASK 25-24-15-000-805

4. Top Attachment Removal

(Figure 402, Figure 404)

A. General

- (1) This task is for a partition with a top attachment(s).
- (2) All the steps in this task are not necessary to remove all types of partitions.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-24-15-020-022

- (1) If it is necessary, remove access covers to get access to the tie rod [20].

SUBTASK 25-24-15-020-023

- (2) Disconnect the tie rod [20], if applicable (Figure 402).
 - (a) For assemblies with a lockpin, do these steps:
 - 1) Remove the lockpin [23], the washer(s) [22], and the pin [21].

NOTE: Tag the attachment hardware for each location because different installations are possible.
 - (b) For assemblies with a nut, do these steps:
 - 1) Remove the nut [24], the washers [25], the bushing [26], and the bolt [27].

NOTE: Tag the attachment hardware for each location because different installations are possible.

HAP ALL; AIRPLANES WITH PARTITIONS WITH A STOWAGE BIN/PSU EXTRUSION ATTACHMENT

SUBTASK 25-24-15-020-024

- (3) Do these steps to disconnect the inboard top support attachment (Figure 404):
 - (a) Loosen the setscrew [41] on the fitting assembly [40] at the top of the partition [1].
 - (b) Push the latches of the fitting assembly [40] toward each other to disconnect the fitting assembly [40] from the stowage bin/PSU extrusion under the stowage bin.
 - (c) Move the fitting assembly [40] down into the partition [1].
 - (d) Move the latches away from each other to allow more clearance to remove the partition [1].

HAP ALL

————— END OF TASK —————

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TASK 25-24-15-000-806

5. Bottom Attachment Removal

(Figure 403)

A. General

- (1) All the steps in this task are not necessary to prepare to remove all types of partitions.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-24-15-020-025

- (1) If necessary, remove the kickstrip or the cover plate to get access to the lower attachments.

HAP ALL; AIRPLANES WITH PARTITIONS WITH SEAT TRACK FITTINGS

SUBTASK 25-24-15-020-026

- (2) To disconnect the lower attachment, do the applicable steps that follow:
 - (a) Remove the anti-rattle setscrew after engaging the plunger.
 - (b) Remove the applicable attachment hardware, such as a bolt [31], washer(s) [32], nut [33], plug [35], and spacer [36], that attach the partition [1] to the seat track fitting.

NOTE: Tag the attachment hardware for each location because different installations are possible.

NOTE: Some installations have an access plate and not a plug [35].
 - (c) Disconnect the seat track fitting at the bottom of the partition [1].
 - (d) Remove the seat track fitting.

NOTE: Tag the attachment hardware for each location because different installations are possible.

HAP ALL; AIRPLANES WITH PARTITIONS WITH HARD POINT FITTINGS

SUBTASK 25-24-15-020-027

- (3) To disconnect the lower attachment, do the applicable steps that follow:
 - (a) Remove the nut [33], washer(s) [32], and bolt [31] that attach the partition [1] to the hard point fitting.

NOTE: Tag the attachment hardware for each location because different installations are possible.

HAP ALL

————— **END OF TASK** —————

TASK 25-24-15-400-801

6. Partition Installation

(Figure 401)

A. General

- (1) All the steps in this task are not necessary to install all types of partitions.

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B. References

Reference	Title
23-32-02-400-801-001	Video System Control Unit Installation (P/B 401)

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Procedure

HAP ALL; AIRPLANES WITH PARTITIONS WITH AN A/C EXTRUSION ATTACHMENT

SUBTASK 25-24-15-420-017

(1) Do these steps to install the outboard top support attachment if it was removed (Figure 404):

NOTE: It was not necessary to disconnect or remove the outboard A/C top support attachment to remove the partition [1].

- (a) Put the partition attachment assembly [45] in its position on the A/C extrusion.
- (b) Put the extrusion attachment assembly [46] in its position under the A/C extrusion adjacent to the partition attachment assembly [45].
- (c) Loosely install the locking screw [48] and the washer [49].
- (d) Tighten the setscrew [47] to 10 to 15 pound-inches (1.1 to 1.7 newton-meters).
- (e) Tighten the locking screw [48].
- (f) Make sure that the partition attachment assembly [45] and the extrusion attachment assembly [46] are in the correct location.

NOTE: The attachment assemblies must be installed in the correct location before you continue the installation.

HAP ALL

SUBTASK 25-24-15-420-018

(2) Carefully put the partition [1] in its correct location.

SUBTASK 25-24-15-420-019

(3) Do this task: Bottom Attachment Installation, TASK 25-24-15-400-804.

SUBTASK 25-24-15-420-032

(4) FOR PARTITIONS WITH A VIDEO CONTROL CENTER; do this task: Video System Control Unit Installation, TASK 23-32-02-400-801-001.

SUBTASK 25-24-15-420-020

(5) If applicable, do this task: Top Attachment Installation, TASK 25-24-15-400-805.

SUBTASK 25-24-15-840-001

(6) Do this task: Put the Airplane Back to Its Usual Condition, TASK 25-24-15-840-802.

————— **END OF TASK** —————

TASK 25-24-15-400-804

7. Bottom Attachment Installation

(Figure 401, Figure 403)

A. General

(1) All the steps in this task are not necessary to install all types of partitions.

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B. Consumable Materials

Reference	Description	Specification
A00027	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010, Type 60
A00930	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010, Type 109

C. Location Zones

Zone	Area
232	Forward Passenger Compartment - Forward Entry Door to Sta 663.75 - Right

D. Procedure

SUBTASK 25-24-15-420-021

- (1) Put the seat track fittings in the seat tracks, if applicable.

HAP ALL; AIRPLANES WITH PARTITIONS WITH SEAT TRACK ATTACHMENT TYPE 1 FITTINGS

SUBTASK 25-24-15-420-022

- (2) Do these steps to install a partition [1] with Seat Track Attachment Type 1 Fittings:
 - (a) Connect the seat track fittings to the seat track.
 - (b) Engage the plunger on the seat track fitting.
 - (c) If applicable tighten the anti-rattle setscrew after engaging the plunger.

HAP ALL; AIRPLANES WITH PARTITIONS WITH SEAT TRACK ATTACHMENT TYPE 2 FITTINGS

SUBTASK 25-24-15-420-023

- (3) Do these steps to install a partition [1] with Seat Track Attachment Type 2 Fittings:
 - (a) Connect the seat track fittings to the seat track.
 - (b) Engage the plunger on the seat track fitting.

HAP ALL; AIRPLANES WITH PARTITIONS WITH SEAT TRACK ATTACHMENT TYPE 3 FITTINGS

SUBTASK 25-24-15-420-024

- (4) Do these steps to install a partition [1] with Seat Track Attachment Type 3 Fittings:
 - (a) Align the clevis on the bottom of the partition [1] with the seat track fitting.
 - (b) Install the bolt [31], washer(s) [32], and nut [33] to connect the partition [1] to the seat track fitting.
NOTE: Use the attachment hardware that you tagged when you removed the partition.
 - (c) Engage the plunger on the seat track fitting.

HAP ALL; AIRPLANES WITH PARTITIONS WITH SEAT TRACK ATTACHMENT TYPE 4 FITTINGS

SUBTASK 25-24-15-420-025

- (5) Do these steps to install a partition [1] with Seat Track Attachment Type 4 Fittings:
 - (a) Align the bottom of the partition with the seat track fitting.
 - (b) Install the bolt [31] and the washer(s) [32] to connect the partition to the seat track fitting.
NOTE: Use the attachment hardware that you tagged when you removed the partition.

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HAP ALL; AIRPLANES WITH PARTITIONS WITH SEAT TRACK ATTACHMENT TYPE 4 FITTINGS (Continued)

HAP ALL; AIRPLANES WITH PARTITIONS WITH SEAT TRACK ATTACHMENT TYPE 5 FITTINGS

SUBTASK 25-24-15-420-026

- (6) Do these steps to install a partition [1] with Seat Track Attachment Type 5 Fittings:
- (a) Align the bottom of the partition with the seat track fitting.
 - (b) Install the bolt [31], washer(s) [32], and the plug [35] to connect the partition [1] to the seat track fitting.

NOTE: Use the attachment hardware that you tagged when you removed the partition.

NOTE: Some installations have an access plate and not a plug [35].

HAP 031-040, 042-046, 048-053, 101-999

SUBTASK 25-24-15-420-033

- (7) Do these steps to install a partition [1] with Type 6 Fittings:
- (a) Install the spacer [36] on the seat track fitting bolt.
 - (b) Align the bottom of the partition [1] with the seat track fitting bolt.
 - (c) Install the washer [32].
 - (d) Tighten the nut [33] to 200 ± 40 in-lb (22.6 ± 4.5 N·m).

NOTE: Use the attachment hardware that you tagged when you removed the partition.

HAP ALL

SUBTASK 25-24-15-420-034

- (8) Do these steps to install a partition [1] with Type 7 Fittings:
- (a) Align the shim [38] on the seat track fitting.
 - (b) Align the bottom of the partition [1] with the seat track fitting.
 - (c) Install the bolt [31], washer [32] and bushing [37].
 - (d) Tighten the bolt [31] to 200 ± 20 in-lb (22.6 ± 2.3 N·m).

NOTE: Use the attachment hardware that you tagged when you removed the partition.

HAP ALL; AIRPLANES WITH PARTITIONS WITH HARD POINT FITTINGS

SUBTASK 25-24-15-420-027

- (9) Do these steps to install a partition with Hard Point Fittings:
- (a) Align the clevis on the bottom of the partition with the hard point fitting.
 - (b) Install the bolt [31], washer(s) [32], and nut [33] to connect the partition to the seat floor mount.

NOTE: Use the attachment hardware that you tagged when you removed the partition.

HAP ALL

SUBTASK 25-24-15-420-028

- (10) Make sure that the partition is vertical and, if applicable, that it is perpendicular to the seat tracks.

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SUBTASK 25-24-15-390-002

- (11) For installations in contact with an entry or service area mat, apply a bead of sealant of adhesive, A00027 or adhesive, A00930 to close the gap between the bottom of the partition walls and the entry or service area mat.
 - (a) Use a continuous fillet of sealant.

————— **END OF TASK** —————

TASK 25-24-15-400-805

8. Top Attachment Installation

(Figure 401, Figure 402, Figure 404)

A. General

- (1) This task is for a partition with a top attachment(s).
- (2) All the steps in this task are not necessary to install all types of partitions.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-24-15-420-029

- (1) Connect the tie rod [20], if applicable (Figure 402).
 - (a) For assemblies with a lockpin, install the pin [21], washers [22], and lockpin [23].
 - (b) For assemblies with a nut, install the bolt [27], the washers [25], the bushing [26], and the nut [24].

SUBTASK 25-24-15-420-030

- (2) Install the access covers, if applicable.

HAP ALL; AIRPLANES WITH PARTITIONS WITH A STOWAGE BIN/PSU EXTRUSION ATTACHMENT

SUBTASK 25-24-15-420-031

- (3) Do these steps to connect the inboard top support attachment (Figure 404):
 - (a) Lift the fitting assembly [40] and engage the latches in the stowage bin/PSU extrusion.

HAP ALL

————— **END OF TASK** —————

TASK 25-24-15-840-802

9. Put the Airplane Back to Its Usual Condition

A. General

- (1) All the steps in this task are not necessary to put the airplane back to its usual condition.

B. References

Reference	Title
24-22-00-860-811	Supply Electrical Power (P/B 201)
25-21-45-400-801	Sculptured Ceiling Panel Installation (P/B 401)
25-21-71-400-801	Lowered Ceiling Installation (P/B 401)
25-22-00-400-802	Passenger Seat Installation (P/B 401)

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(Continued)

Reference	Title
25-25-11-400-801	Attendant's Panel and Components Installation (P/B 401)
25-25-12-400-801	Attendants' Seat Installation (P/B 401)
33-51-14-960-802	Floor Proximity Light - Light Assembly Replacement (P/B 201)

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Procedure

SUBTASK 25-24-15-860-006

(1) If a stowage unit was removed from the partition, install the stowage unit.

SUBTASK 25-24-15-860-007

(2) If an attendants' seat was removed from the partition, do this task: Attendants' Seat Installation, TASK 25-25-12-400-801.

SUBTASK 25-24-15-860-008

(3) If electrical equipment was removed from the partition, install the electrical equipment.

- (a) Connect the electrical connectors.
- (b) Install the electrical equipment.
- (c) Install the cover assembly and wire clips, if applicable.

SUBTASK 25-24-15-860-009

(4) If an attendants' panel was removed from the partition, do this task: Attendant's Panel and Components Installation, TASK 25-25-11-400-801.

SUBTASK 25-24-15-860-010

(5) If electrical lighting was removed from the partition, do this task: Floor Proximity Light - Light Assembly Replacement, TASK 33-51-14-960-802.

SUBTASK 25-24-15-410-001

- (6) Do the applicable tasks that follow:
- (a) Do this task: Lowered Ceiling Installation, TASK 25-21-71-400-801.
 - (b) Do this task: Sculptured Ceiling Panel Installation, TASK 25-21-45-400-801.
 - (c) Do this task: Passenger Seat Installation, TASK 25-22-00-400-802.

SUBTASK 25-24-15-860-011

(7) If applicable, do this task: Supply Electrical Power, TASK 24-22-00-860-811.

————— END OF TASK —————

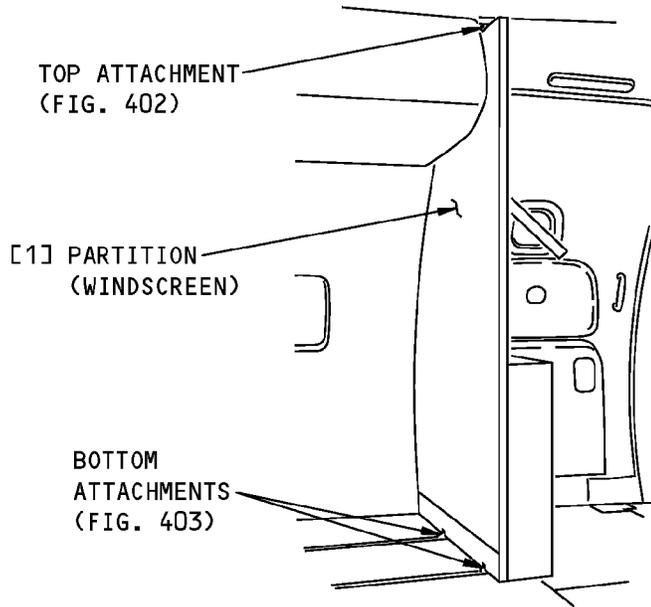
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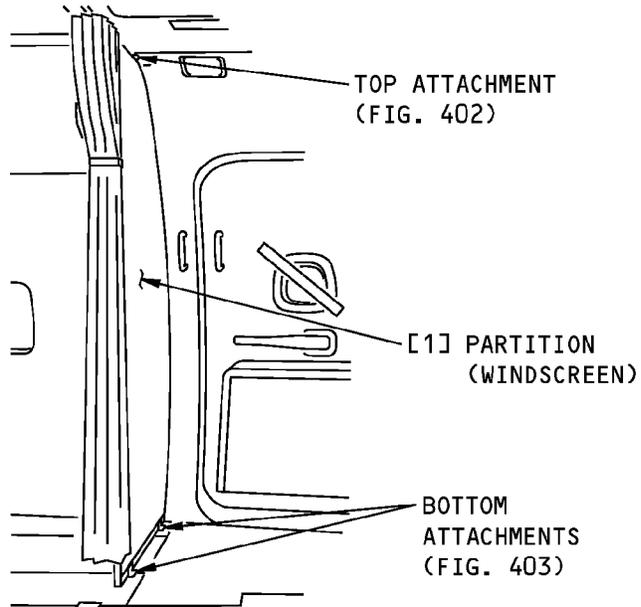
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**WINDSCREEN - FORWARD ENTRY DOOR
(EXAMPLE)**



**WINDSCREEN - AFT ENTRY DOOR
(EXAMPLE)**

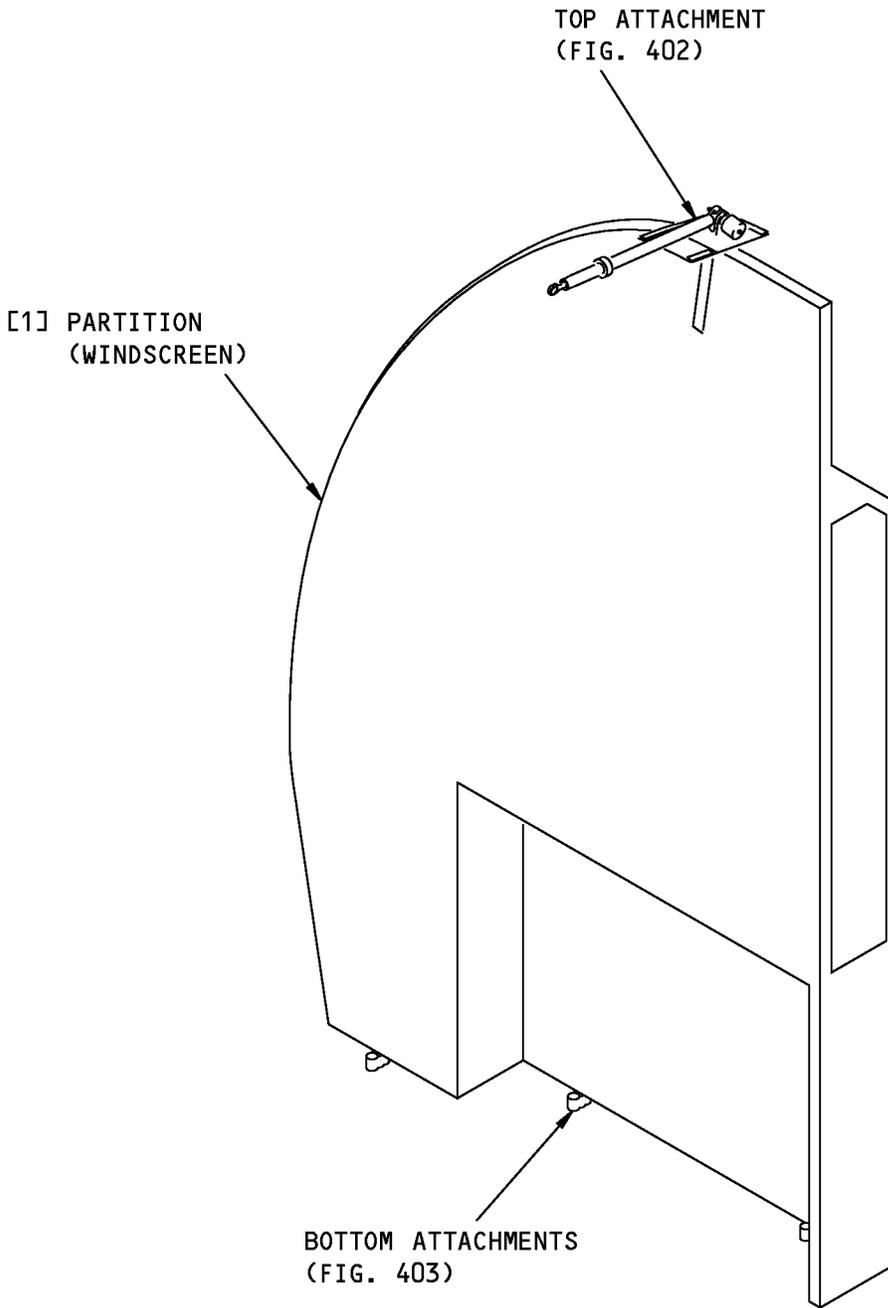
**Partition Installation
Figure 401 (Sheet 1 of 4)/25-24-15-990-801**

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**WINDSCREEN - FORWARD ENTRY DOOR
(EXAMPLE)**

**Partition Installation
Figure 401 (Sheet 2 of 4)/25-24-15-990-801**

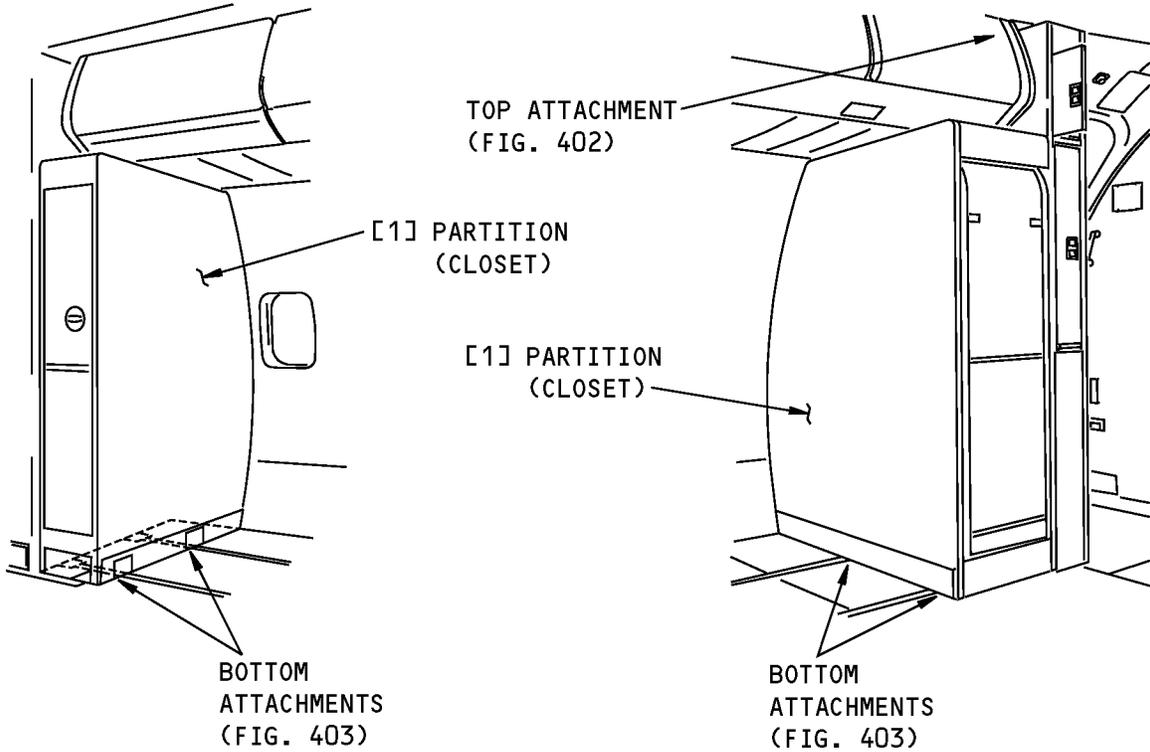
EFFECTIVITY
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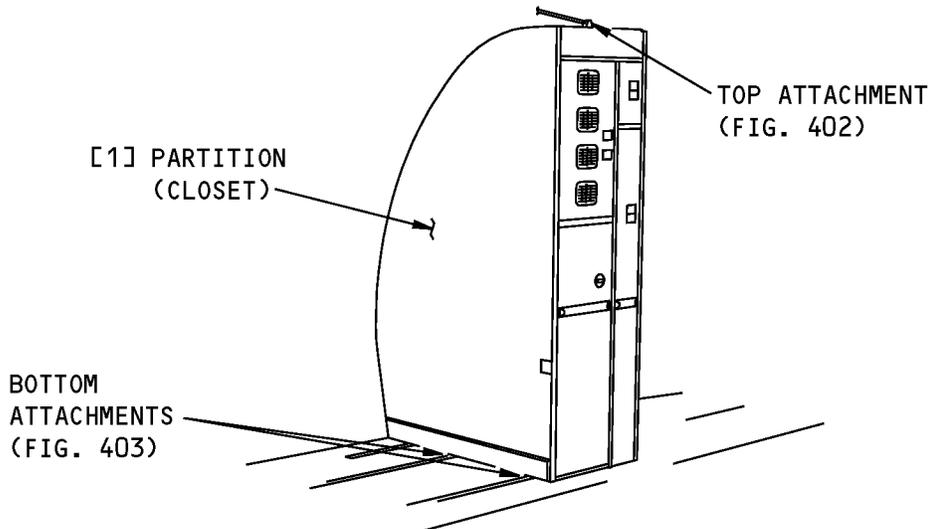
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**UNDERBIN CLOSET
(EXAMPLE)**

**FULL HEIGHT WINDSCREEN STORAGE
WITH UNDERBIN CLOSET
(EXAMPLE)**



**FULL HEIGHT CLOSET
(EXAMPLE)**

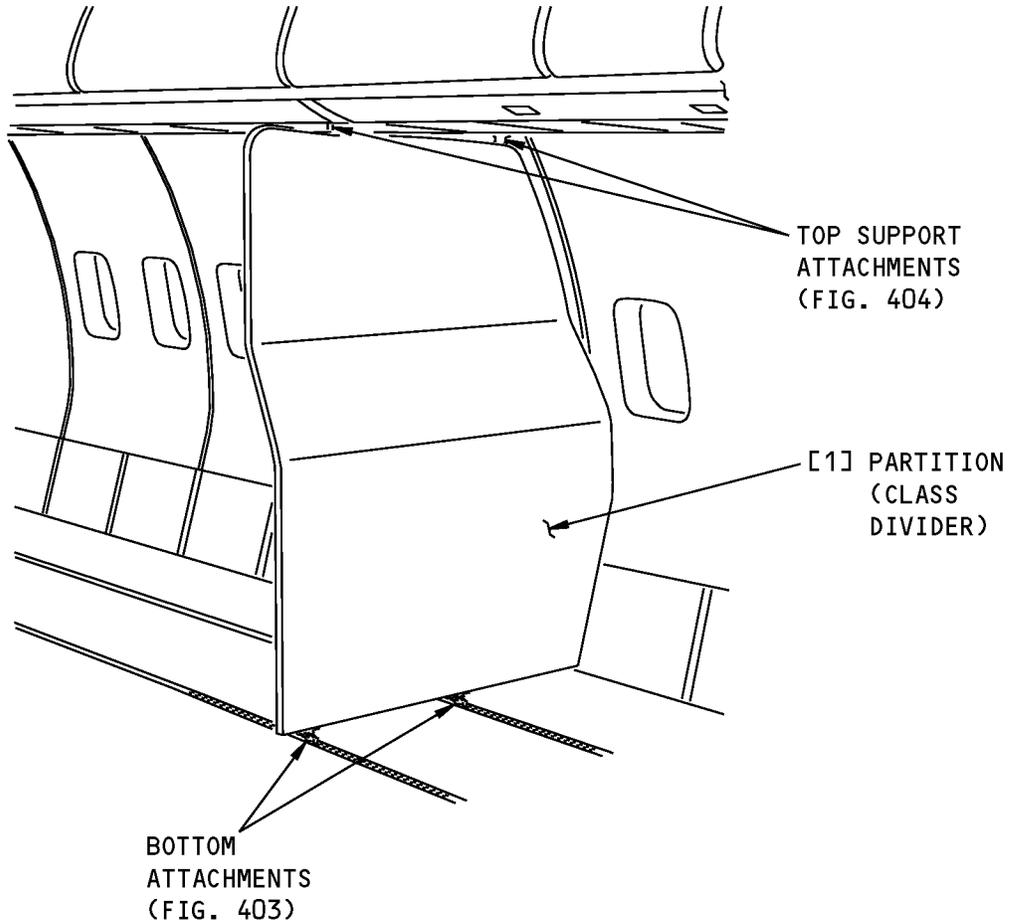
**Partition Installation
Figure 401 (Sheet 3 of 4)/25-24-15-990-801**

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**CLASS DIVIDER
(EXAMPLE)
(LEFT SIDE IS SHOWN, RIGHT SIDE IS OPPOSITE)**

**Partition Installation
Figure 401 (Sheet 4 of 4)/25-24-15-990-801**

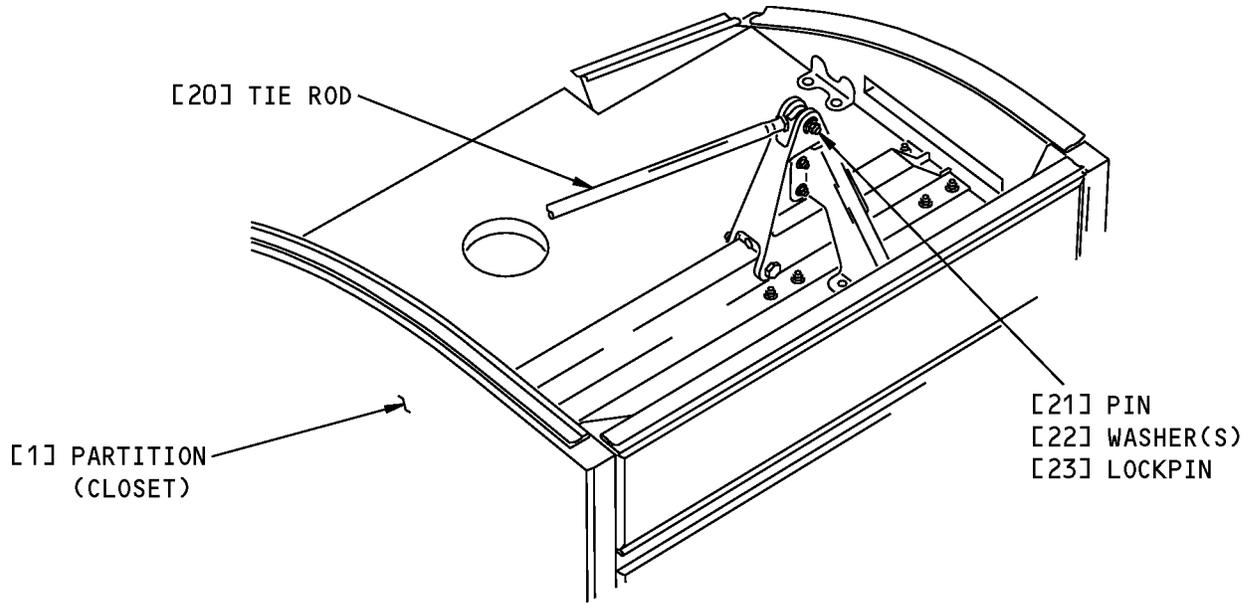
EFFECTIVITY
HAP ALL

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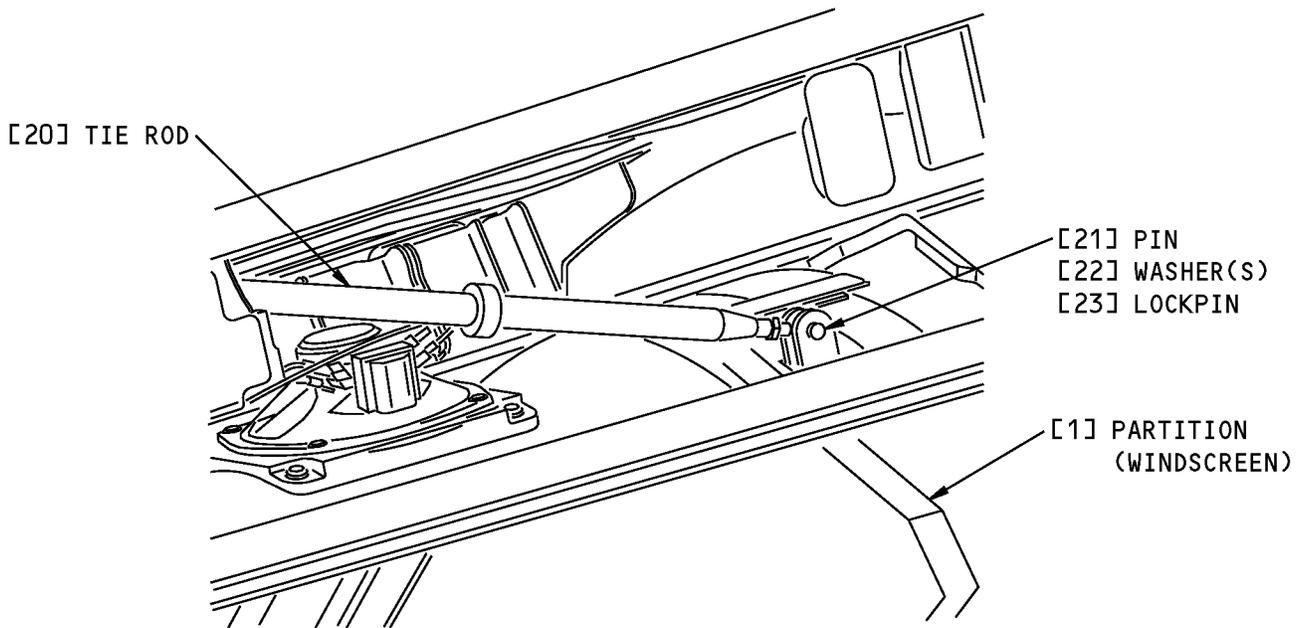
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**FULL HEIGHT CLOSET TOP ATTACHMENT
(EXAMPLE)**



**WINDSCREEN TOP ATTACHMENT
(EXAMPLE)**

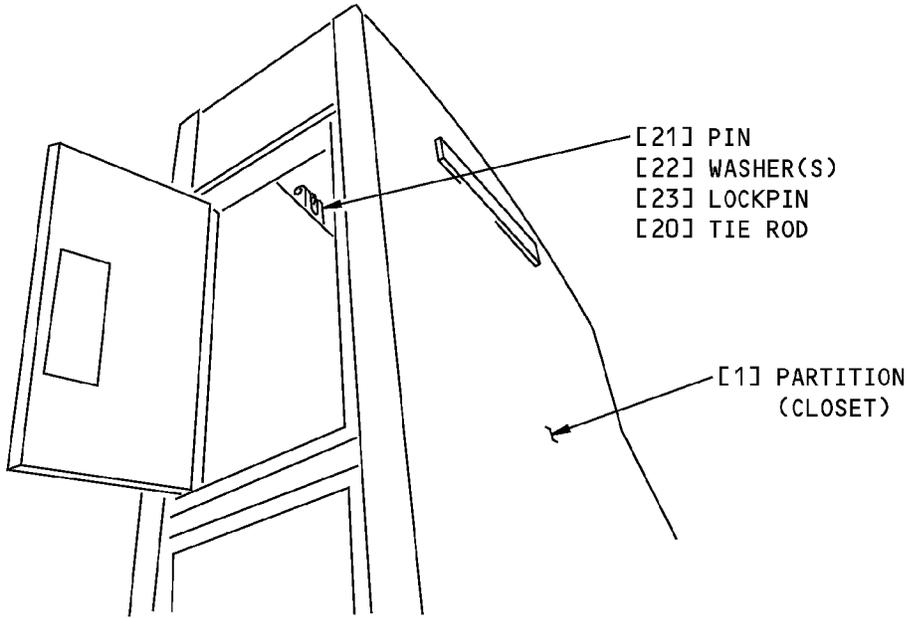
**Top Attachment Installation
Figure 402 (Sheet 1 of 4)/25-24-15-990-802**

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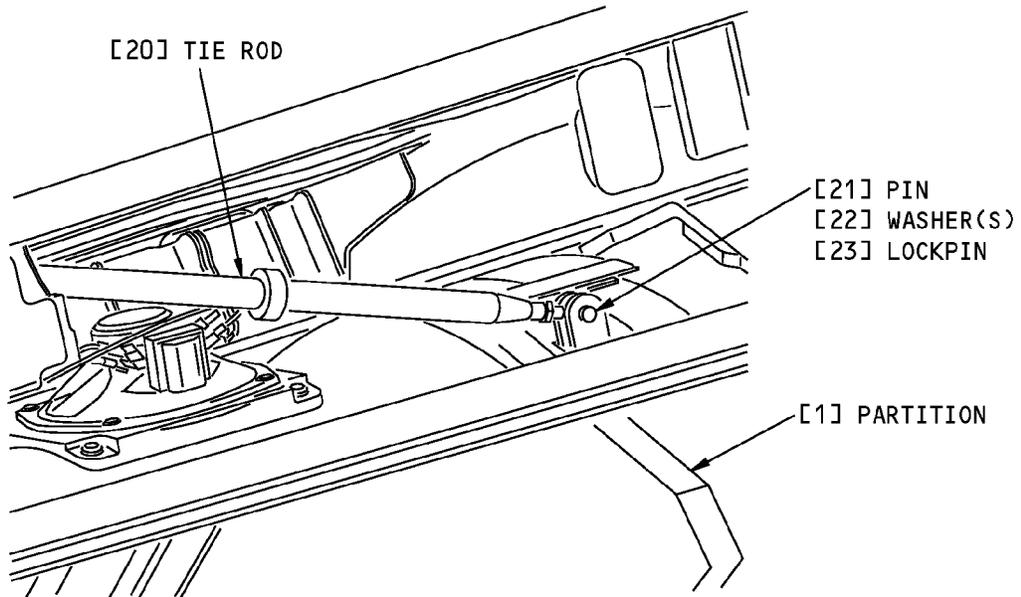
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**FULL HEIGHT/UNDERBIN CLOSET
TOP ATTACHMENT
(EXAMPLE)**



**TOP ATTACHMENT
(EXAMPLE)**

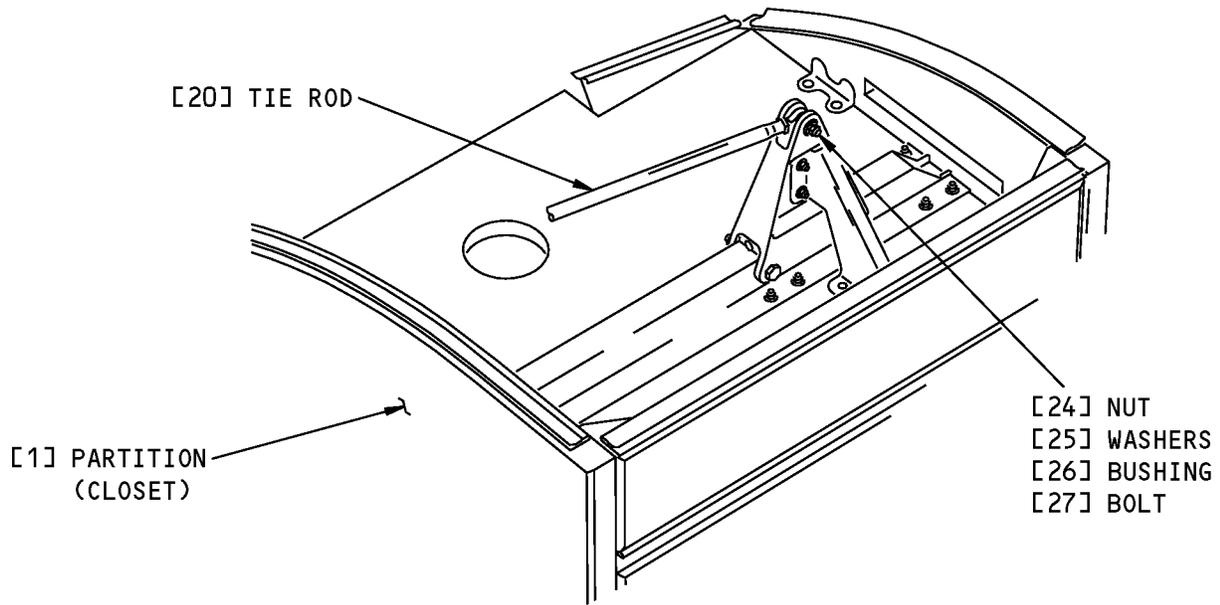
**Top Attachment Installation
Figure 402 (Sheet 2 of 4)/25-24-15-990-802**

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**FULL HEIGHT CLOSET TOP ATTACHMENT
(EXAMPLE)**

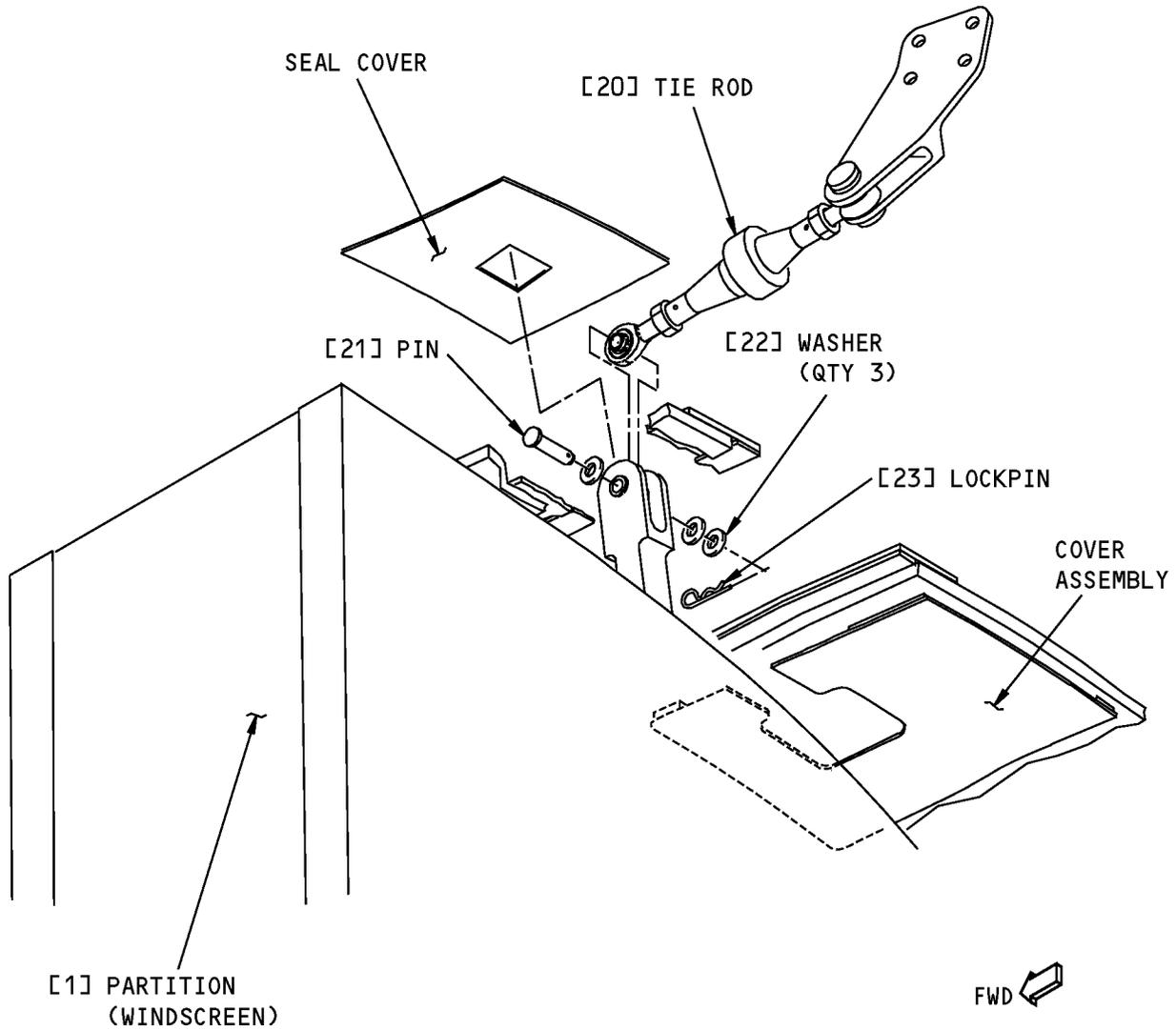
**Top Attachment Installation
Figure 402 (Sheet 3 of 4)/25-24-15-990-802**

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**WINDSCREEN TOP ATTACHMENT
(EXAMPLE)**

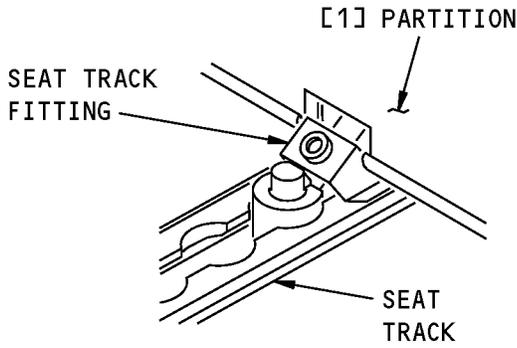
**Top Attachment Installation
Figure 402 (Sheet 4 of 4)/25-24-15-990-802**

EFFECTIVITY
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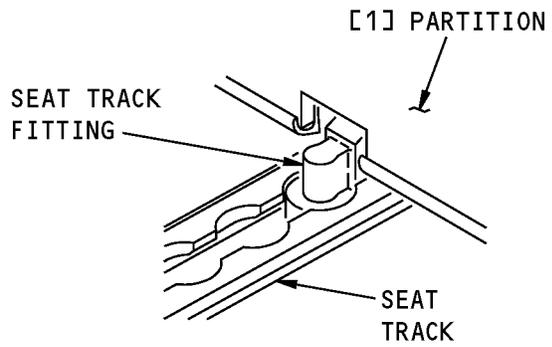
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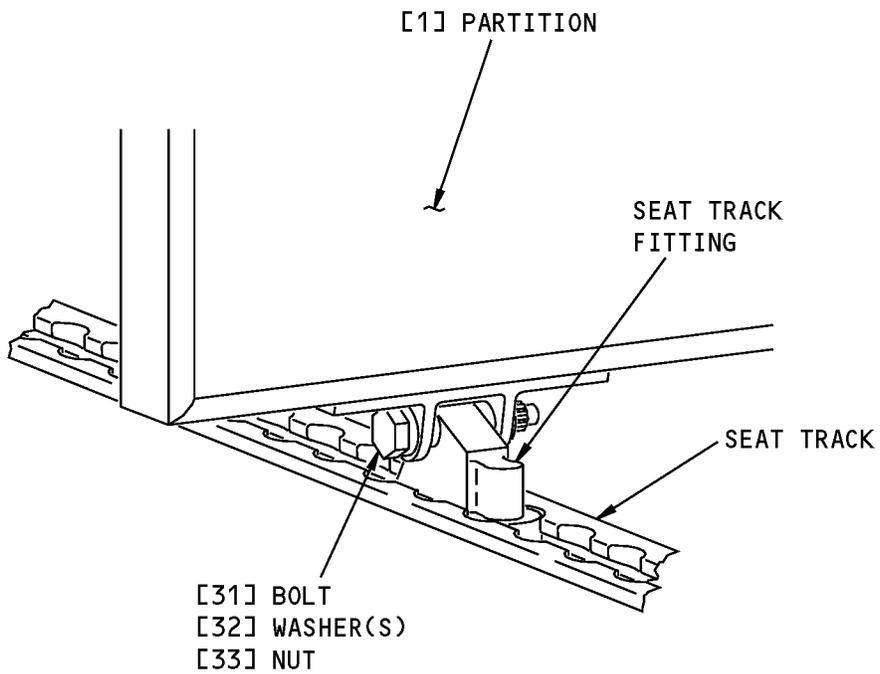
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**SEAT TRACK ATTACHMENT TYPE 1
(EXAMPLE)**



**SEAT TRACK ATTACHMENT TYPE 2
(EXAMPLE)**



**SEAT TRACK ATTACHMENT TYPE 3
(EXAMPLE)**

**Bottom Attachment Installation
Figure 403 (Sheet 1 of 5)/25-24-15-990-803**

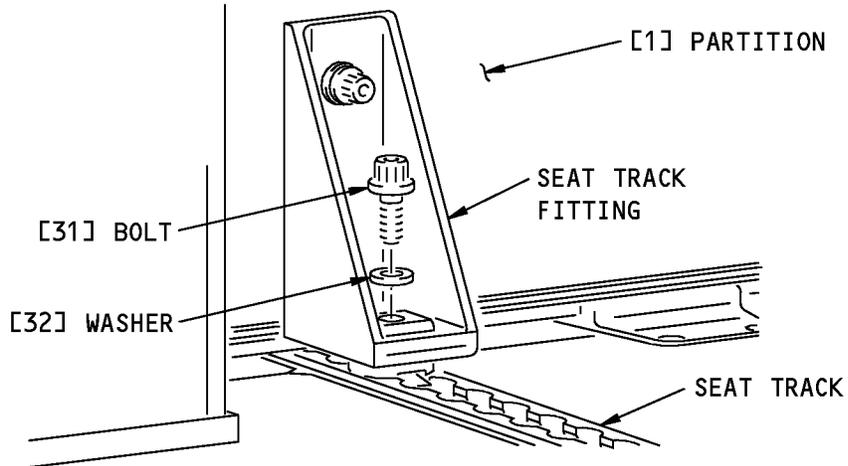
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HAP ALL

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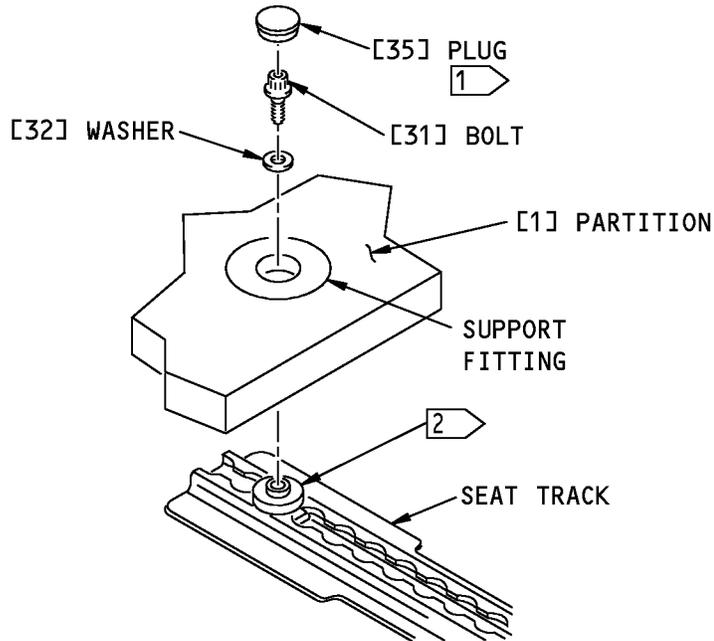
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**SEAT TRACK ATTACHMENT TYPE 4
(EXAMPLE)**



**SEAT TRACK ATTACHMENT TYPE 5
(EXAMPLE)**

1 SOME INSTALLATIONS HAVE AN ACCESS PLATE AND NOT A PLUG AT THIS LOCATION.

2 SOME INSTALLATIONS DO NOT HAVE A SEAT TRACK SPACER.

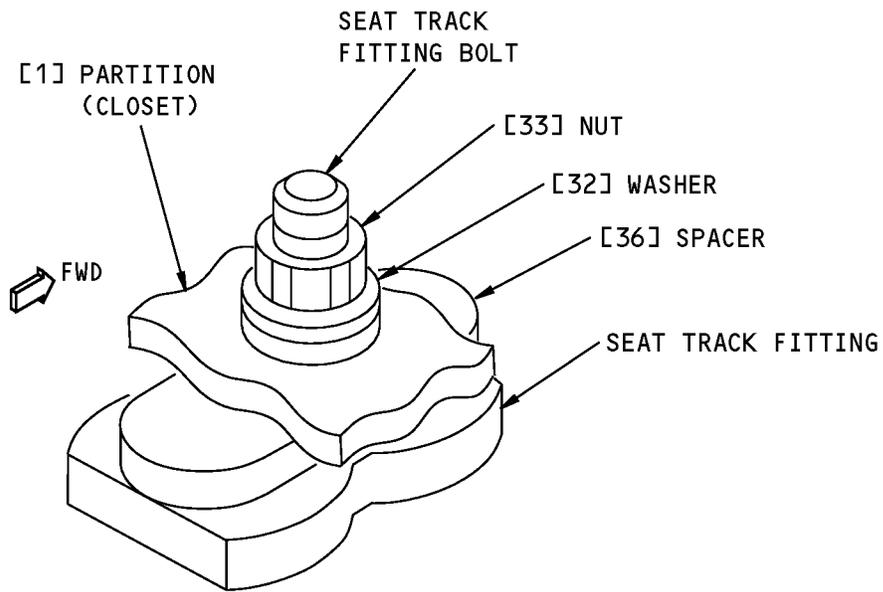
**Bottom Attachment Installation
Figure 403 (Sheet 2 of 5)/25-24-15-990-803**

EFFECTIVITY
HAP ALL

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**SEAT TRACK ATTACHMENT TYPE 6
(EXAMPLE)**

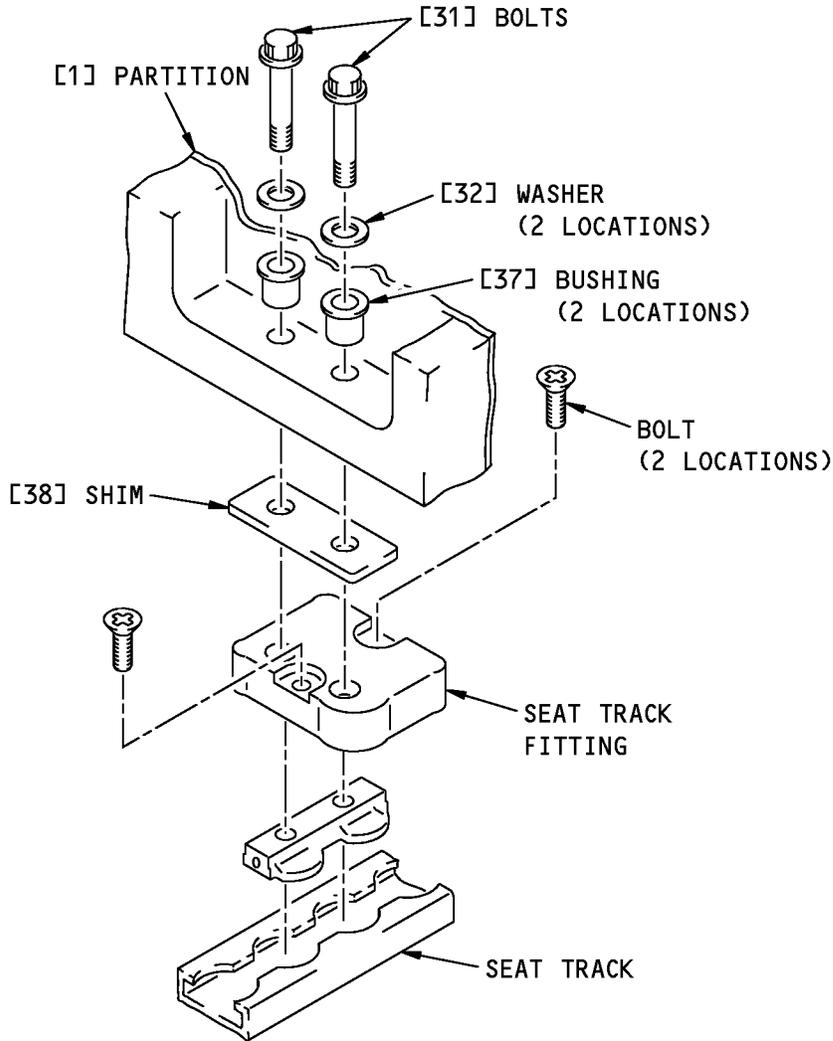
**Bottom Attachment Installation
Figure 403 (Sheet 3 of 5)/25-24-15-990-803**

EFFECTIVITY
HAP 031-040, 042-046, 048-053, 101-999

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**SEAT TRACK ATTACHMENT TYPE 7
(EXAMPLE)**

**Bottom Attachment Installation
Figure 403 (Sheet 4 of 5)/25-24-15-990-803**

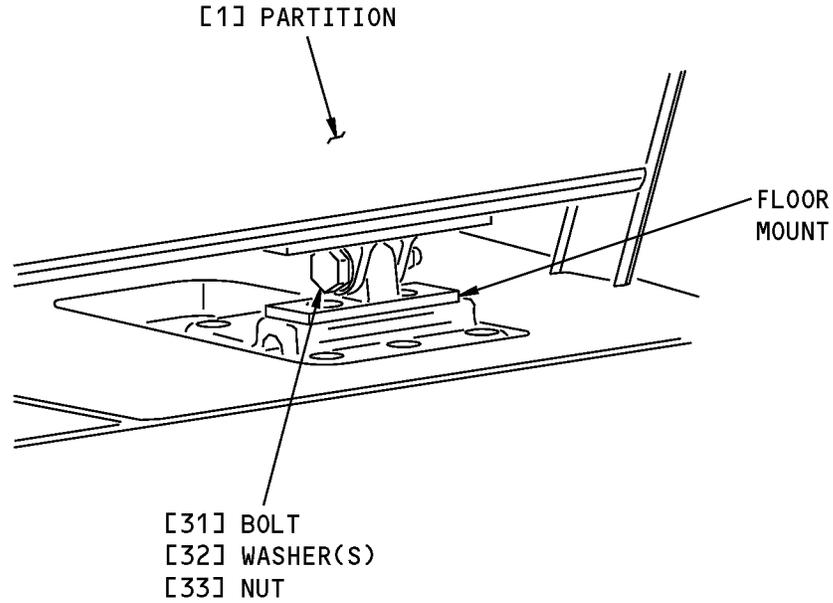
EFFECTIVITY
HAP ALL

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**HARD POINT FITTING ATTACHMENT
(EXAMPLE)**

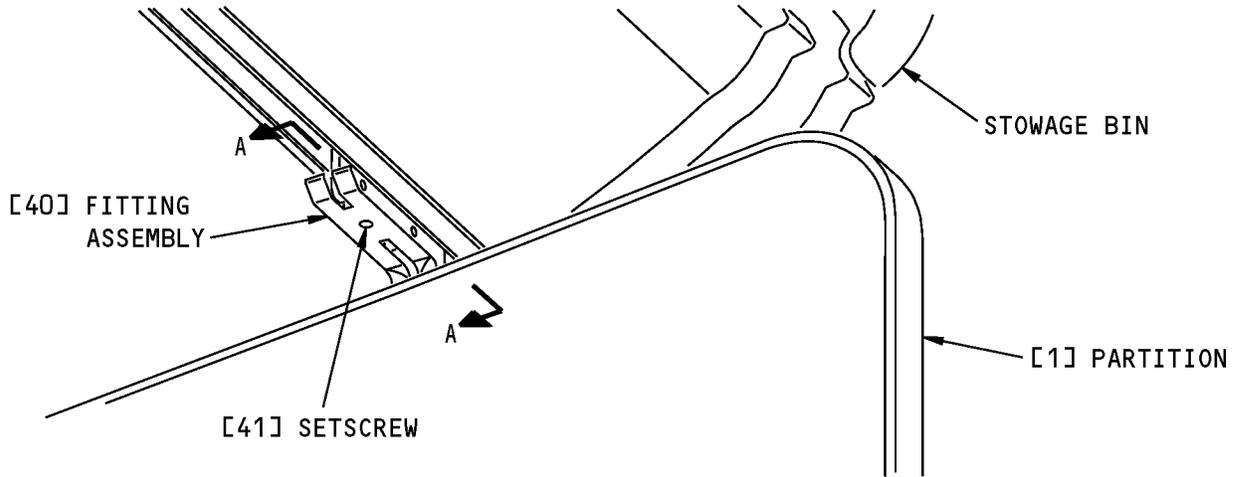
**Bottom Attachment Installation
Figure 403 (Sheet 5 of 5)/25-24-15-990-803**

EFFECTIVITY
HAP ALL

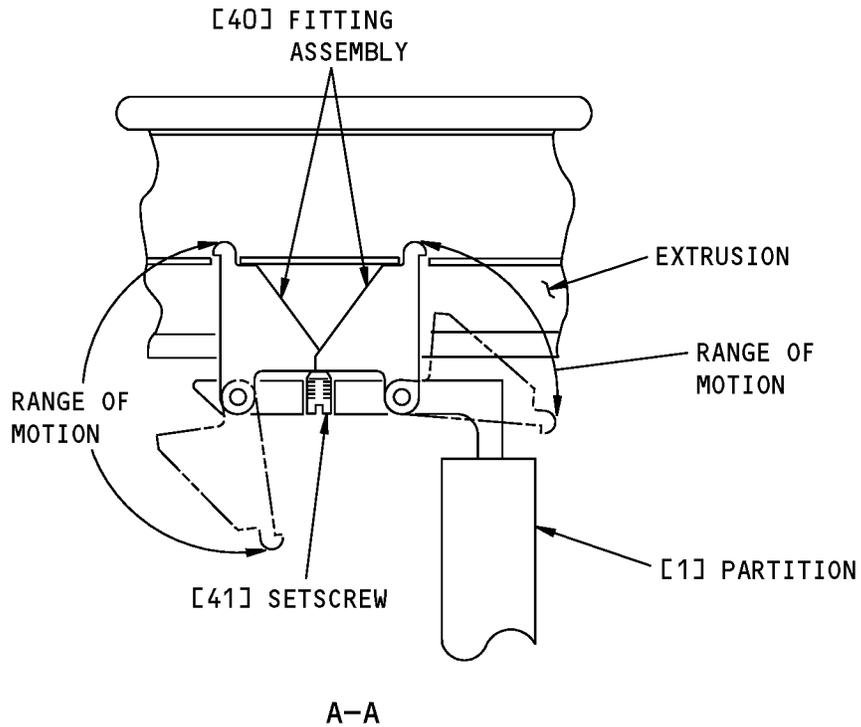
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**TOP SUPPORT AT STOWAGE
BIN/PSU EXTRUSION (INBOARD)
(EXAMPLE)**



**Top Support Installation
Figure 404 (Sheet 1 of 2)/25-24-15-990-804**

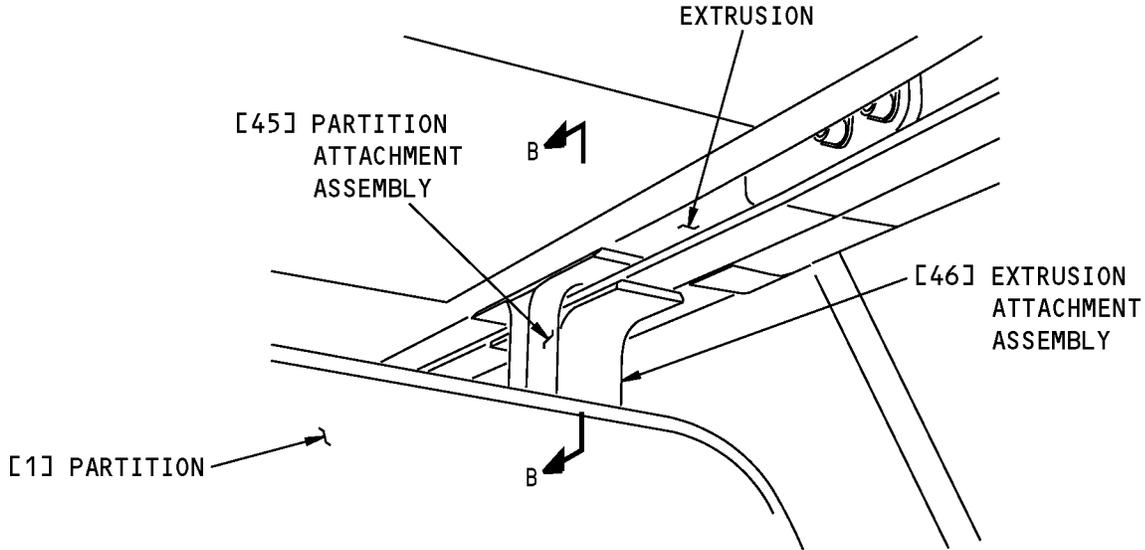
EFFECTIVITY
HAP ALL

25-24-15

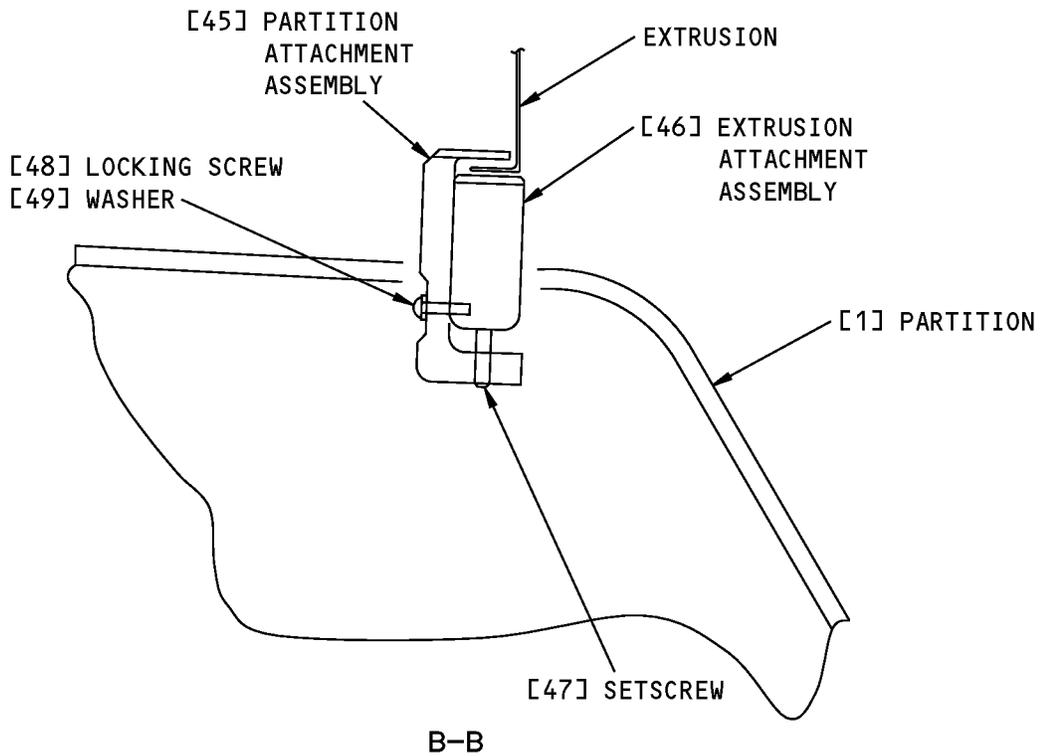
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**TOP SUPPORT AT A/C EXTRUSION (OUTBOARD)
(EXAMPLE)**



**Top Support Installation
Figure 404 (Sheet 2 of 2)/25-24-15-990-804**

EFFECTIVITY
HAP ALL

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OVERHEAD STOWAGE BIN - REMOVAL/INSTALLATION

1. General

- A. This procedure contains these tasks:
 - (1) Overhead Stowage Bin Removal
 - (2) Overhead Stowage Bin Installation

TASK 25-24-31-020-801

2. Overhead Stowage Bin Removal

NOTE: See Figure 401.

HAP 031-054, 101-999

NOTE: See Figure 402.

HAP ALL

A. References

Reference	Title
24-22-00-860-812	Remove Electrical Power (P/B 201)
25-21-45-000-801	Sculptured Ceiling Panel Removal (P/B 401)
25-23-61-000-801	Passenger Service Unit (PSU) Removal (P/B 201)
33-21-00-960-802	Window Light - Light Assembly Replacement (P/B 201)

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-24-31-860-001

- (1) Do this task: Remove Electrical Power, TASK 24-22-00-860-812.

SUBTASK 25-24-31-010-001

- (2) Do this task: Sculptured Ceiling Panel Removal, TASK 25-21-45-000-801.

SUBTASK 25-24-31-010-002

- (3) To remove the fluorescent light, if applicable, do this task: Window Light - Light Assembly Replacement, TASK 33-21-00-960-802.

SUBTASK 25-24-31-020-006

WARNING: MAKE SURE THERE IS A SUPPORT FOR THE OVERHEAD STOWAGE BIN AND THE ADJACENT STOWAGE BINS. IF THE STOWAGE BINS DO NOT HAVE A SUPPORT, THEY CAN FALL AND CAUSE DAMAGE TO EQUIPMENT OR INJURIES TO PERSONS.

- (4) Remove the passenger service unit [5] and the spacer panels to get access to the lower supports (TASK 25-23-61-000-801).

HAP 031-054, 101-999

SUBTASK 25-24-31-000-005

- (5) Remove the valance gap seal [21].

EFFECTIVITY HAP ALL

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HAP 031-054, 101-999 (Continued)

HAP ALL

SUBTASK 25-24-31-020-007

- (6) Overhead stowage bins with the Video Control Center (VCC), do these steps to disconnect the VCC: (Figure 401)
- (a) Disconnect the wire bundle [9].
 - (b) Disconnect the ground jumper [10].

HAP 001-013, 015-026, 028-030

SUBTASK 25-24-31-020-002

- (7) Remove the bolts to disconnect the turnbuckle [4] at the bottom outboard side of the stowage bin. (Figure 401)

NOTE: It is important to maintain the existing tie-rod and turnbuckle adjustments for installation and alignment.

SUBTASK 25-24-31-020-005

- (8) Remove the bolt to disconnect the tie-rod [8] at the top of the stowage bin.

SUBTASK 25-24-31-020-003

- (9) Remove the bolts to disconnect the top turnbuckles [2].

NOTE: Tag the attachment hardware for each location because different installations are possible.

SUBTASK 25-24-31-020-004

- (10) Remove the overhead stowage bin. Make sure that you protect all decorative surfaces.

NOTE: Record the distances between the bins before removal.

HAP 031-054, 101-999

SUBTASK 25-24-31-020-009

- (11) Do these steps to disconnect the hardware from the applicable stowage bins (Figure 402):

NOTE: It is important to maintain the existing diagonal strut and turnbuckle adjustments for the installation and the alignment. Tag the attachment hardware for each location because different installations are possible.

- (a) For all stowage bins do this step:
 - 1) Remove the bolt [37], washers [38], bushings [39] and the nut [40] to disconnect the turnbuckle at the bottom outboard side of the stowage bin.
- (b) For the constant bin do the applicable steps:
 - 1) Remove the bolt [27], washer [28] and the nut [29] to disconnect the diagonal strut at the top forward side of the stowage bin.
 - 2) Remove the bolt [23], washers [24], bushings [25] and the nut [26] to disconnect the turnbuckles at the top aft side between the adjacent stowage bin.
 - 3) Remove the bolt [34], washers [35] and the nut [36] to disconnect the turnbuckles at the top aft side of the aft stowage bin.
- (c) For the transition bin do these steps:

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HAP 031-054, 101-999 (Continued)

- 1) Remove the cotter pins [30], nuts [31], washers [32] and the bin join plate [33] at the top of the transition bin to the termination bin.
 - 2) Remove the bolt [27], washer [28] and the nut [29] to disconnect the diagonal strut at the top forward side of the stowage bin.
 - 3) Remove the bolt [23], washers [24], bushings [25] and the nut [26] to disconnect the turnbuckles at the top forward and aft sides of the stowage bin.
- (d) For the termination bin do these steps:
- 1) Remove the bolt [34], washers [35] and the nut [36] to disconnect the turnbuckles at the top end of the stowage bin.
 - 2) Remove the cotter pins [30], nuts [31], washers [32] and the bin join plate [33] at the top of the transition bin to the termination bin.
 - 3) Remove the bolt [23], washers [24], bushings [25] and the nut [26] to disconnect the turnbuckles at the top aft side of the stowage bin.

SUBTASK 25-24-31-020-014

CAUTION: BE CAREFUL NOT TO DAMAGE THE BIN GAP SEAL [22] BETWEEN THE STOWAGE BINS.

(12) Remove the overhead stowage bin. Make sure that you protect all decorative surfaces.

NOTE: Record the distances between the bins before removal.

HAP ALL

————— END OF TASK —————

TASK 25-24-31-400-801

3. Overhead Stowage Bin Installation

NOTE: See Figure 401.

HAP 031-054, 101-999

NOTE: See Figure 402.

HAP ALL

A. References

Reference	Title
24-22-00-860-811	Supply Electrical Power (P/B 201)
25-21-45-400-801	Sculptured Ceiling Panel Installation (P/B 401)
25-23-61-400-801	Passenger Service Unit (PSU) Installation (P/B 201)
25-23-61-400-802	Three-piece Adjustable PSU Spacer Panel Installation (P/B 201)
25-23-61-400-803	Two-piece Adjustable PSU Panel Installation (P/B 201)
33-21-00-960-802	Window Light - Light Assembly Replacement (P/B 201)

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

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C. Procedure

HAP 031-054, 101-999

SUBTASK 25-24-31-800-001

- (1) Inspect the bin gap seal [22]. Make sure the seal is serviceable and attached.

HAP 001-013, 015-026, 028-030

SUBTASK 25-24-31-420-001

- (2) Install the overhead stowage bin between the adjacent stowage bins or the structure.
(Figure 401)

SUBTASK 25-24-31-420-002

- (3) Install the hardware build-ups to attach the tie-rod [8], upper turnbuckle [2] and the lower turnbuckle [4].

HAP 031-054, 101-999

SUBTASK 25-24-31-420-010

- (4) Do these steps to connect the hardware to the applicable stowage bins (Figure 402):

- (a) For all stowage bins do this step:

- 1) Install the bolt [37], washers [38], bushings [39] and the nut [40] to connect the turnbuckle at the bottom outboard side of the stowage bin.

- (b) For the constant bin do the applicable steps:

- 1) Install the bolt [27], washer [28] and the nut [29] to connect the diagonal strut at the top forward side of the stowage bin.
- 2) Install the bolt [23], washers [24], bushings [25] and the nut [26] to connect the turnbuckles at the top aft side between the adjacent stowage bin.
- 3) Install the bolt [34], washers [35] and the nut [36] to connect the turnbuckles at the top aft side of the aft stowage bin.

- (c) For the transition bin do these steps:

- 1) Install the bin join plate [33], washers [32], nuts [31] and the cotter pins [30] at the top of the transition bin to the termination bin.
- 2) Install the bolt [27], washer [28] and the nut [29] to connect the diagonal strut at the top forward side of the stowage bin.
- 3) Install the bolt [23], washers [24], bushings [25] and the nut [26] to connect the turnbuckles at the top forward and aft sides of the stowage bin.

- (d) For the termination bin do these steps:

- 1) Install the bolt [34], washers [35] and the nut [36] to connect the turnbuckles at the top end of the stowage bin.
- 2) Install the bin join plate [33], washers [32], nuts [31] and the cotter pins [30] at the top of the transition bin to the termination bin.
- 3) Install the bolt [23], washers [24], bushings [25] and the nut [26] to connect the turnbuckles at the top aft side of the stowage bin.

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HAP 031-054, 101-999 (Continued)

HAP ALL

SUBTASK 25-24-31-420-003

- (5) Adjust the applicable turnbuckle hardware to support the weight of the stowage bin while you align the stowage bin with the adjacent stowage bins. Adjust to obtain desired design gaps between each bin.

HAP 031-054, 101-999

SUBTASK 25-24-31-400-005

- (6) Install the valance gap seal [21].

HAP ALL

SUBTASK 25-24-31-020-008

- (7) Overhead stowage bins with the Video Control Center (VCC), do these steps to connect the VCC: (Figure 401)
 - (a) Connect the ground jumper [10].
 - (b) Connect the wire bundle [9].

SUBTASK 25-24-31-410-002

- (8) To install the fluorescent light, do this task: Window Light - Light Assembly Replacement, TASK 33-21-00-960-802
if it is applicable.

SUBTASK 25-24-31-420-004

- (9) To install the PSUs, do this task: Passenger Service Unit (PSU) Installation, TASK 25-23-61-400-801
and, do this task: Three-piece Adjustable PSU Spacer Panel Installation, TASK 25-23-61-400-802
and, do this task: Two-piece Adjustable PSU Panel Installation, TASK 25-23-61-400-803.

SUBTASK 25-24-31-410-003

- (10) Do this task: Sculptured Ceiling Panel Installation, TASK 25-21-45-400-801.

SUBTASK 25-24-31-860-002

- (11) Do this task: Supply Electrical Power, TASK 24-22-00-860-811.

————— **END OF TASK** —————

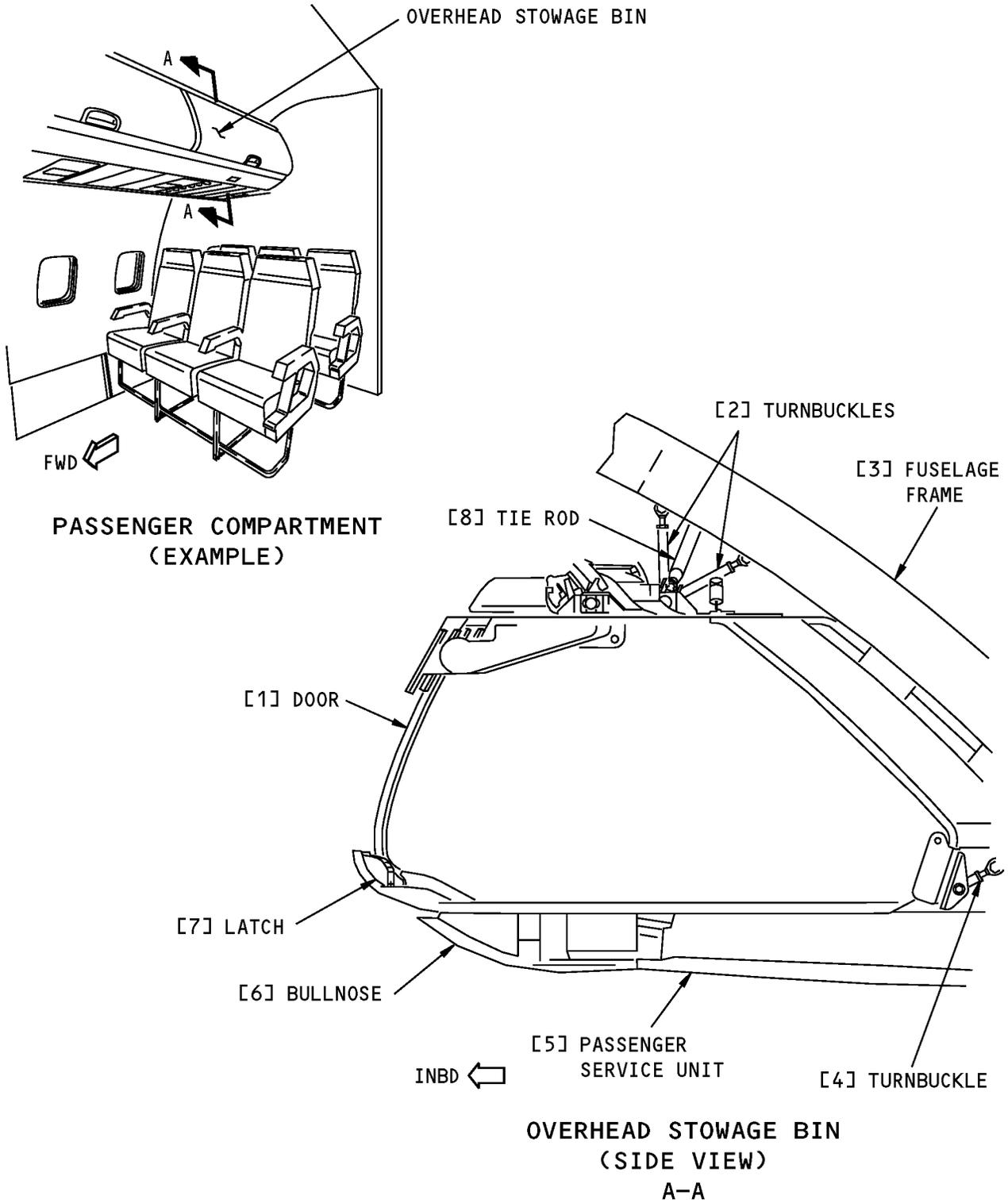
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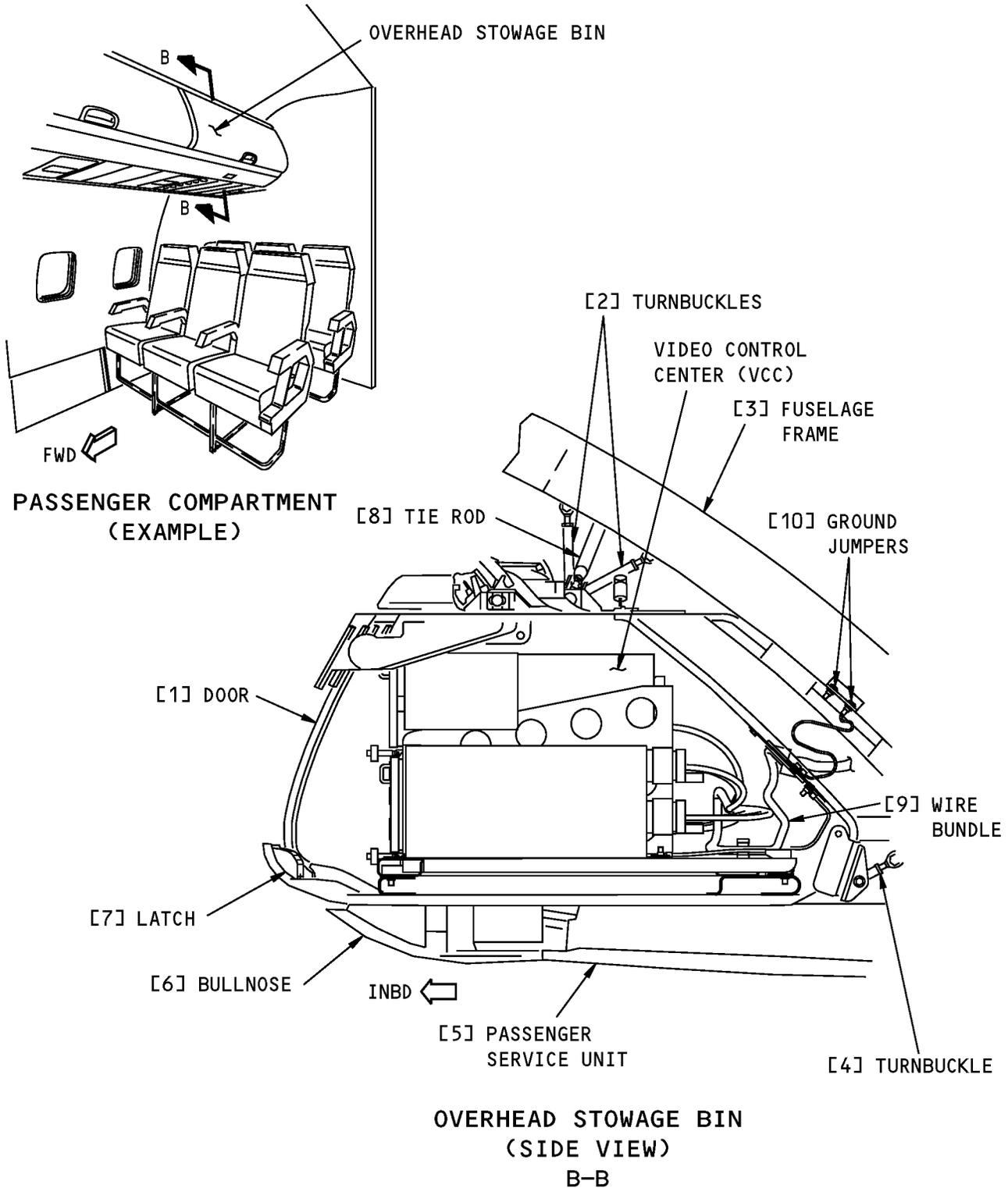


Overhead Storage Bin Installation
Figure 401 (Sheet 1 of 2)/25-24-31-990-801

EFFECTIVITY
 HAP 001-013, 015-026, 028-030

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**Overhead Stowage Bin Installation
Figure 401 (Sheet 2 of 2)/25-24-31-990-801**

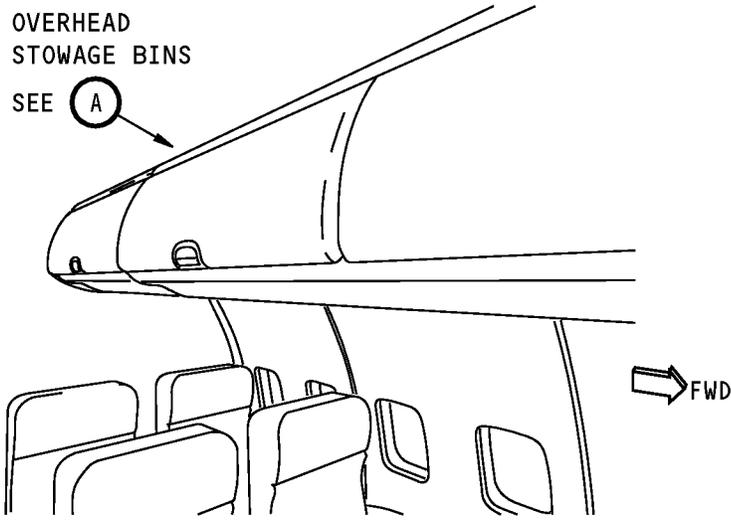
EFFECTIVITY
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OVERHEAD
STOWAGE BINS

SEE (A)



**PASSENGER COMPARTMENT
(EXAMPLE)**

UPPER
FITTING

SEE (D)

UPPER
FITTING

SEE (C)

[21] VALANCE
GAP SEAL

UPPER
FITTING

SEE (B)

LOWER
FITTING

SEE (E)

TERMINATION BIN

TRANSITION BIN

[22] BIN GAP
SEAL

CONSTANT BIN

FWD

INBD

**OVERHEAD STOWAGE BIN
(LEFT SIDE IS SHOWN, RIGHT SIDE IS OPPOSITE)**

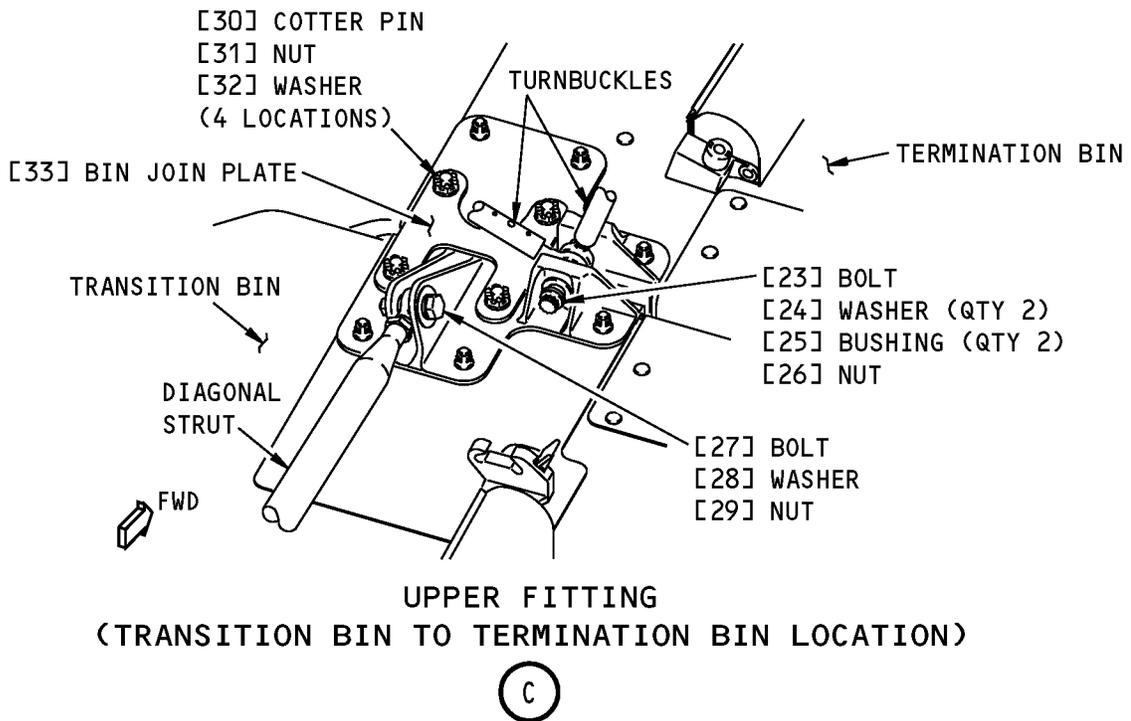
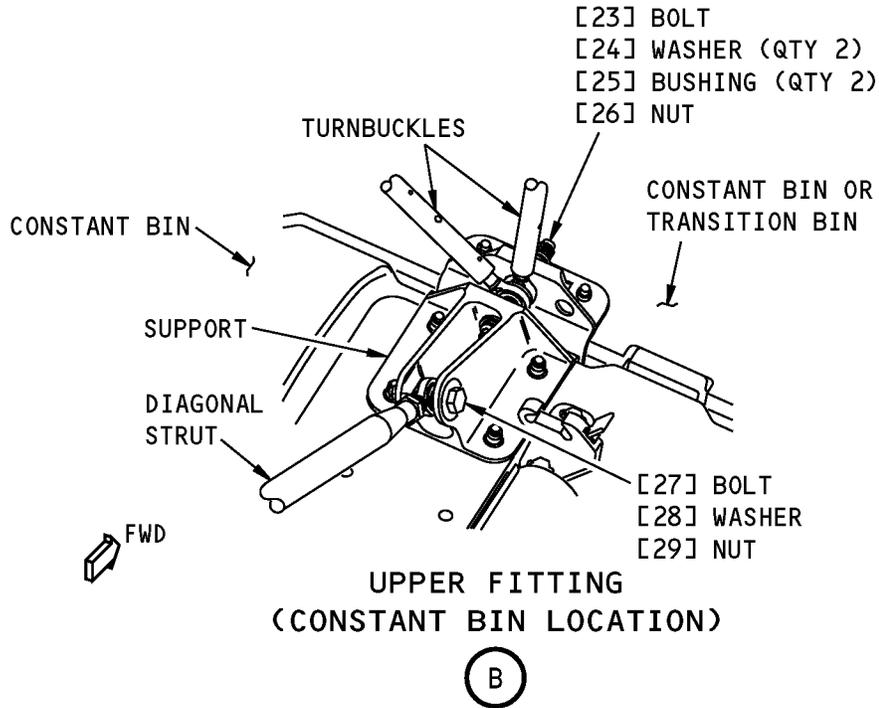
(A)

**Overhead Stowage Bin Installation
Figure 402 (Sheet 1 of 3)/25-24-31-990-802**

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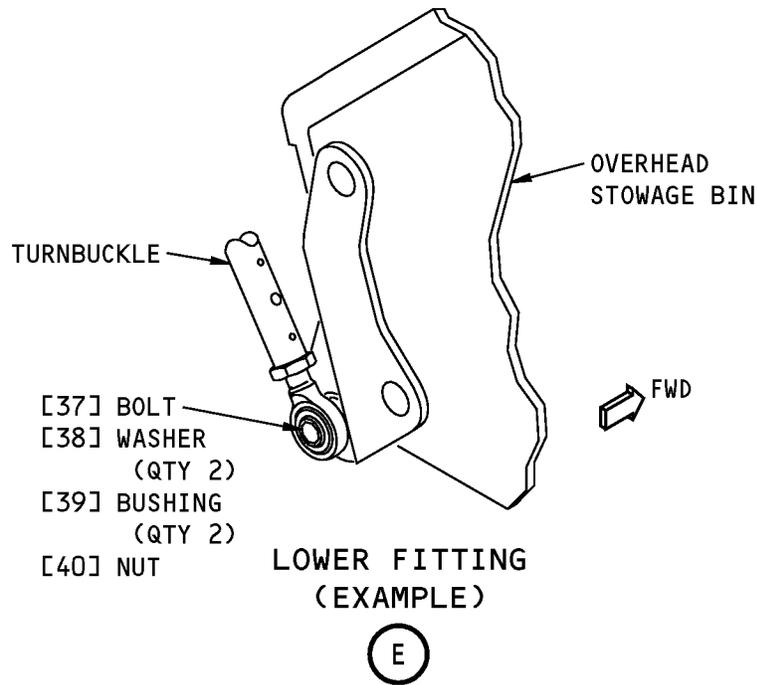
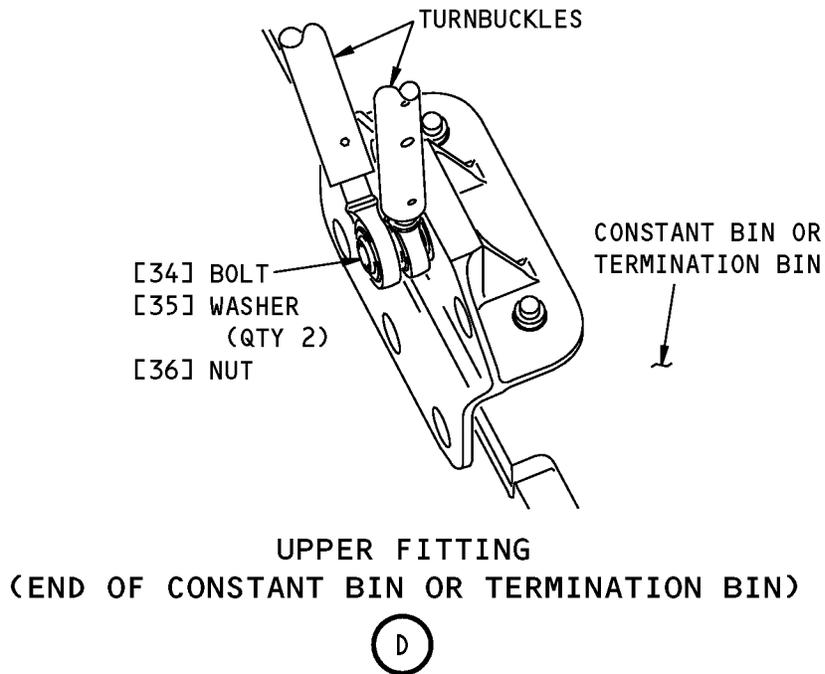


Overhead Stowage Bin Installation
Figure 402 (Sheet 2 of 3)/25-24-31-990-802

EFFECTIVITY
HAP 031-054, 101-999

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**Overhead Stowage Bin Installation
Figure 402 (Sheet 3 of 3)/25-24-31-990-802**

EFFECTIVITY
HAP 031-054, 101-999

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OVERHEAD STOWAGE BIN DOOR - MAINTENANCE PRACTICES

1. General

A. This procedure has these tasks:

HAP 001-013, 015-026, 028-030

- (1) Overhead Stowage Bin Door Actuator Removal
- (2) Overhead Stowage Bin Door Actuator Installation

HAP ALL

- (3) Overhead Stowage Bin Door Hinge Assembly Removal
- (4) Overhead Stowage Bin Door Hinge Assembly Installation
- (5) Overhead Stowage Bin Door Removal
- (6) Overhead Stowage Bin Door Installation,
- (7) Overhead Stowage Bin Door Latch Assembly Removal,
- (8) Overhead Stowage Bin Door Latch Assembly Installation.
- (9) Overhead Stowage Bin Door Latch - Alternate Release Method.
- (10) Overhead Stowage Bin Door Latch Assembly Adjustment.

HAP 001-013, 015-026, 028-030

TASK 25-24-36-020-801

2. Standard Stowage Bin Door Actuator Removal

Figure 201

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Procedure

SUBTASK 25-24-36-010-001

- (1) Open the stowage bin door [1] and hold it open.

SUBTASK 25-24-36-020-001

- (2) Remove the actuator pin [12], washers [5], and retaining ring [4] that attaches the outboard end of the actuator [7] to the hinge assembly [9].

SUBTASK 25-24-36-020-002

- (3) Remove the bolt [11] at the inboard end of the actuator [7].

NOTE: You access the bolt through a hole in the body of the hinge assembly [9].

SUBTASK 25-24-36-020-003

- (4) Remove the actuator [7].

————— **END OF TASK** —————

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HAP 001-013, 015-026, 028-030 (Continued)

TASK 25-24-36-400-801

3. Standard Stowage Bin Door Actuator Installation

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Procedure

SUBTASK 25-24-36-420-001

- (1) Open the stowage bin door [1].

SUBTASK 25-24-36-420-020

- (2) Attach the outboard end of the actuator [7] to the hinge assembly [9] with the actuator pin [12], washer [5], and retaining ring [4].

NOTE: Be sure the actuator is oriented properly (see the arrow on actuator).

SUBTASK 25-24-36-420-002

CAUTION: HOLD THE DOOR SO IT WILL NOT MOVE EXCESSIVELY. IF THE DOOR MOVES SIGNIFICANTLY, IT WILL DAMAGE THE OTHER HINGE ON THE DOOR.

- (3) Remove hinge pin [8], washers [5], and retaining ring to separate the two halves of the hinge assembly.

SUBTASK 25-24-36-420-004

- (4) Attach the inboard end of the actuator [7] with the bolt [11].

SUBTASK 25-24-36-820-001

- (5) Push on the stowage bin door [1] to compress the actuator [7] and align the hinge pivot.
 - (a) Install the hinge pin [8], washer [5], and retaining ring [4].

HAP ALL

————— END OF TASK —————

TASK 25-24-36-000-801

4. Overhead Stowage Bin Hinge Assembly Removal

A. References

Reference	Title
25-21-45-000-801	Sculptured Ceiling Panel Removal (P/B 401)

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

HAP 001-013, 015-026, 028-030

SUBTASK 25-24-36-000-001

- (1) Do these steps to remove the overhead stowage bin hinge assembly (Figure 201).

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HAP 001-013, 015-026, 028-030 (Continued)

- (a) Remove the ceiling panel above the hinge you will remove. To remove the ceiling panel, do this task: Sculptured Ceiling Panel Removal, TASK 25-21-45-000-801.
- (b) Open the stowage bin door [1].

CAUTION: IF YOU WILL REMOVE ONLY ONE OF THE TWO HINGES ON A STOWAGE BIN DOOR, THEN HOLD THE DOOR SO IT WILL NOT MOVE EXCESSIVELY. IF THE DOOR MOVES SIGNIFICANTLY, IT WILL DAMAGE THE OTHER HINGE ON THE DOOR.

- (c) Remove the four screws [10] that attach the hinge assembly [9] to the stowage bin door [1].
- (d) Remove two bolts [3] and [6] that attach the hinge assembly [9] to the stowage bin.
- (e) Remove the hinge assembly [9].

HAP 031-054, 101-999

SUBTASK 25-24-36-020-008

- (2) Do these steps to remove the overhead stowage bin hinge assembly. Figure 202
 - (a) Remove the stowage bin door [1].
 - (b) Remove the screws [4] and [5] that attach the hinge assembly [3] to the stowage bin.
 - (c) Remove the hinge assembly [3].

HAP ALL

END OF TASK

TASK 25-24-36-400-802

5. Overhead Stowage Bin Hinge Assembly Installation

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Procedure

HAP 001-013, 015-026, 028-030

SUBTASK 25-24-36-420-005

- (1) Do these steps to install the overhead stowage bin hinge assembly. Figure 201
 - (a) Install two bolts [3] and [6] that attach the hinge assembly [9] to the stowage bin.
 - (b) Install the four screws [10] that attach the hinge assembly [9] to the stowage bin door [1].
 - (c) Do these steps to make sure the stowage bin door is adjusted correctly:
 - 1) Close the stowage bin door [1].
 - a) Make sure the stowage bin door [1] closes fully.
 - b) Make sure the latch assembly engages correctly.
 - c) Make sure the stowage bin door [1] is aligned with the other stowage bin doors.
 - d) Make sure there is approximately the same space at each end of the stowage bin door.

EFFECTIVITY

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HAP 001-013, 015-026, 028-030 (Continued)

- (d) If the stowage bin door [1] does not meet the conditions above, then do these steps to adjust the stowage bin door:
 - 1) Loosen four screws [10] that attach the hinge assembly [9] to the stowage bin door [1].
 - 2) Adjust the position of the stowage bin door [1].
 - 3) Tighten the screws [10].

HAP 031-054, 101-999

SUBTASK 25-24-36-820-002

- (2) Do these steps to install the overhead stowage bin hinge assembly. Figure 202
 - (a) Align the hinge assembly [3] to the mounting holes on the stowage bin [6].
 - (b) Install the screws [4] and [5].
 - (c) Install the stowage bin door [1].

HAP ALL

————— END OF TASK —————

TASK 25-24-36-000-802

6. Overhead Stowage Bin Door Removal

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Procedure

HAP 031-054, 101-999

NOTE: Figure 202

HAP 001-013, 015-026, 028-030

NOTE: Figure 201

HAP ALL

SUBTASK 25-24-36-010-009

- (1) Open the stowage bin door [1].

SUBTASK 25-24-36-020-009

- (2) Hold the door and remove the four screws [10] from each hinge [9].

SUBTASK 25-24-36-020-010

- (3) Remove the stowage bin door [1].

————— END OF TASK —————

TASK 25-24-36-400-803

7. Overhead Stowage Bin Door Installation

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

<p>EFFECTIVITY</p> <p>HAP ALL</p>	
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B. Procedure

HAP 001-013, 015-026, 028-030

NOTE: Figure 201

HAP 031-054, 101-999

NOTE: Figure 202

HAP ALL

SUBTASK 25-24-36-420-008

(1) Put the stowage bin door [1] in its correct position.

SUBTASK 25-24-36-420-009

(2) Attach the stowage bin door [1] to the two hinge assemblies [9] with the screws [10].

————— **END OF TASK** —————

TASK 25-24-36-000-803

8. Overhead Stowage Bin Latch Assembly Removal

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Procedure

SUBTASK 25-24-36-010-003

(1) Open the stowage bin door [1].

HAP 001-013, 015-026, 028-030

SUBTASK 25-24-36-420-021

(2) Do these steps to remove the latch assembly: Figure 201

- (a) Remove the screws [13] and washers [14], and remove the inner door panel [15].
- (b) If the latch has a lock, then do these steps to remove the lock:
 - 1) Remove the screws [16] and the cover [17].
 - 2) Remove the screws [22] and the backplate [23].
 - 3) Lift the cam and pull it and the pin [24] out of the latch housing [18].
 - 4) Disengage the locking tabs and remove the nut [25].
 - 5) Remove the lock [20] and washer [21].
- (c) Remove the four screws [19].
- (d) Remove the latch housing [18].

HAP 031-054, 101-999

SUBTASK 25-24-36-000-002

(3) Do these steps to remove the latch assembly: (Figure 202)

- (a) Remove the screws [7] from the bezel [2].
- (b) Remove the bezel [2].
- (c) If the latch has a lock, then do these steps to remove the lock: (Figure 202)

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HAP 031-054, 101-999 (Continued)

- 1) Remove the screws [16] and the cover [17].
- 2) Remove the screws [22] and the backplate [23].
- 3) Lift the cam and pull it and the pin [24] out of the latch housing [18].
- 4) Disengage the locking tabs and remove the nut [25].
- 5) Remove the lock [20] and washer [21].
- (d) Remove the screws [8] that attach the latch assembly [9] to the door.
- (e) Remove the latch assembly [9].

HAP ALL

END OF TASK

TASK 25-24-36-400-804

9. Overhead Stowage Bin Latch Assembly Installation

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Procedure

HAP 001-013, 015-026, 028-030

SUBTASK 25-24-36-420-010

- (1) Do these steps to install the latch assembly: (Figure 201)
 - (a) Put the latch housing [18] in its position.
 - (b) Install the screws [19].
 - (c) If the latch has a lock, then do these steps to install the lock:
 - 1) Put the washer [21] on the lock [20] and put the lock in its hole in the stowage bin door [1].
 - 2) Install the nut [25] and bend the locking tabs to hold it.
 - 3) Install the cam and pin [24].
 - 4) Install the backplate [23] with the screws [22].
 - 5) Install the cover [17] with the screws [16].
 - (d) Make sure the door latches correctly.
 - (e) Install the inner door panel [15] with the screws [13] and washers [14].

HAP 031-054, 101-999

SUBTASK 25-24-36-420-022

- (2) Do these steps to install the latch assembly: (Figure 202)
 - (a) Put the latch assembly [9] in position for installation.
 - (b) Install the screws [8] in the latch assembly [9].
 - (c) If the latch has a lock, then do these steps to install the lock: (Figure 202)
 - 1) Put the washer [21] on the lock [20] and put the lock in its hole in the stowage bin door [1].

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HAP 031-054, 101-999 (Continued)

- 2) Install the nut [25] and bend the locking tabs to hold it.
- 3) Install the cam and pin [24].
- 4) Install the backplate [23] with the screws [22].
- 5) Install the cover [17] with the screws [16].
- (d) Install the bezel [2] with the screws [7].
- (e) Close the stowage bin door [1].
 - 1) Make sure the stowage bin door [1] latches correctly.
 - 2) Adjust the latch assembly [9] if it is necessary.

HAP ALL

END OF TASK

TASK 25-24-36-820-801

10. Overhead Stowage Bin Door Latch - Alternate Release Method

A. General

- (1) This task opens the overhead stowage bin door when the latch assembly does not operate correctly.

HAP 001-013, 015-026, 028-030

NOTE: Figure 201

HAP 031-054, 101-999

NOTE: Figure 202

HAP ALL

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-24-36-820-003

- (1) Put a small diameter rod (less than 0.11 inch) into the manual release hole and push to release the latch.

SUBTASK 25-24-36-820-004

- (2) Replace or adjust latch, if it is necessary.

END OF TASK

TASK 25-24-36-820-802

11. Overhead Stowage Bin Door Adjustment - Closed Position

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

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B. Procedure

HAP 001-013, 015-026, 028-030

NOTE: Figure 201

HAP 031-054, 101-999

NOTE: Figure 202

HAP ALL

SUBTASK 25-24-36-280-001

(1) Open the stowage bin door [1].

SUBTASK 25-24-36-010-007

(2) Loosen the four screws [10] until you can move the door relative to the hinges.

NOTE: There are two hinges. Each hinge has four screws.

SUBTASK 25-24-36-410-002

(3) Close the stowage bin door.

SUBTASK 25-24-36-820-005

(4) Adjust the position of the stowage bin door until it meets these conditions:

- (a) The stowage bin door [1] is aligned with the other stowage bin doors.
- (b) There is approximately the same space at each end of the stowage bin door.

SUBTASK 25-24-36-420-017

(5) Open the stowage bin door.

NOTE: Be careful not to move the door on the hinges.

SUBTASK 25-24-36-420-018

(6) Tighten the eight screws [10]

SUBTASK 25-24-36-820-006

(7) Close the stowage bin door.

- (a) Make sure it closes correctly.

END OF TASK

TASK 25-24-36-820-803

12. Overhead Stowage Bin Door Adjustment - Open Position

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Procedure

SUBTASK 25-24-36-280-002

(1) Open the stowage bin door [1].

SUBTASK 25-24-36-010-010

(2) Open the stowage bin doors adjacent to the door you will adjust.

SUBTASK 25-24-36-410-003

(3) Adjust the set screws that are above the hinge pins until the door is aligned with the adjacent doors.

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SUBTASK 25-24-36-820-008

(4) Close the stowage bin doors.

————— **END OF TASK** —————

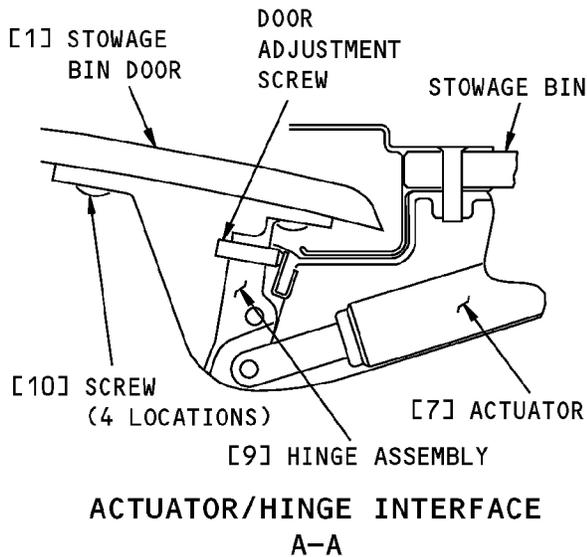
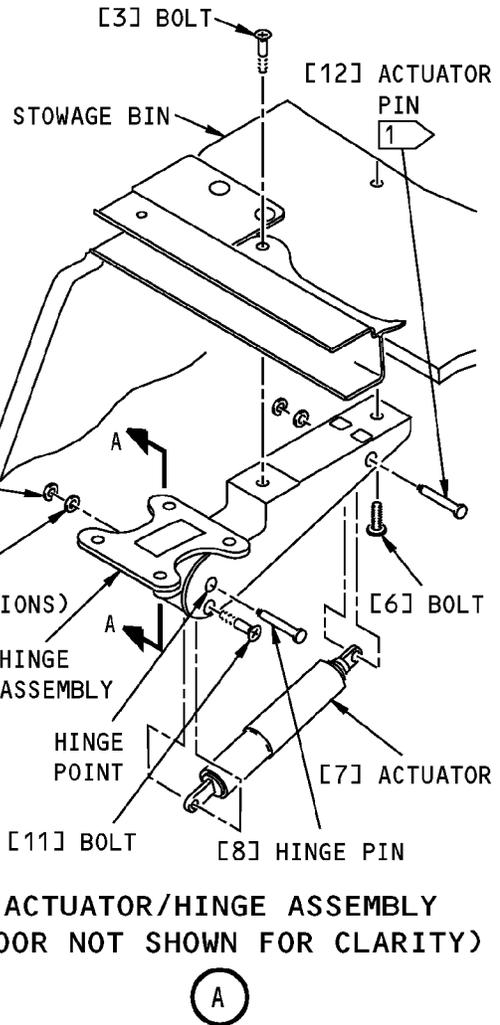
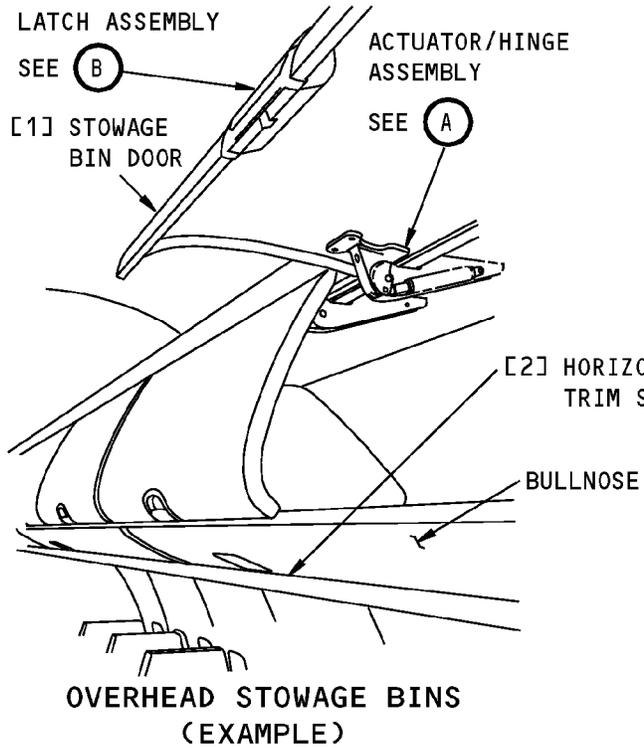
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1 THE RETAINING RING GOES ON THE SIDE OF THE HINGE THAT IS NEAREST THE EDGE OF THE DOOR.

**Overhead Stowage Bin Door Installation
Figure 201 (Sheet 1 of 2)/25-24-36-990-801**

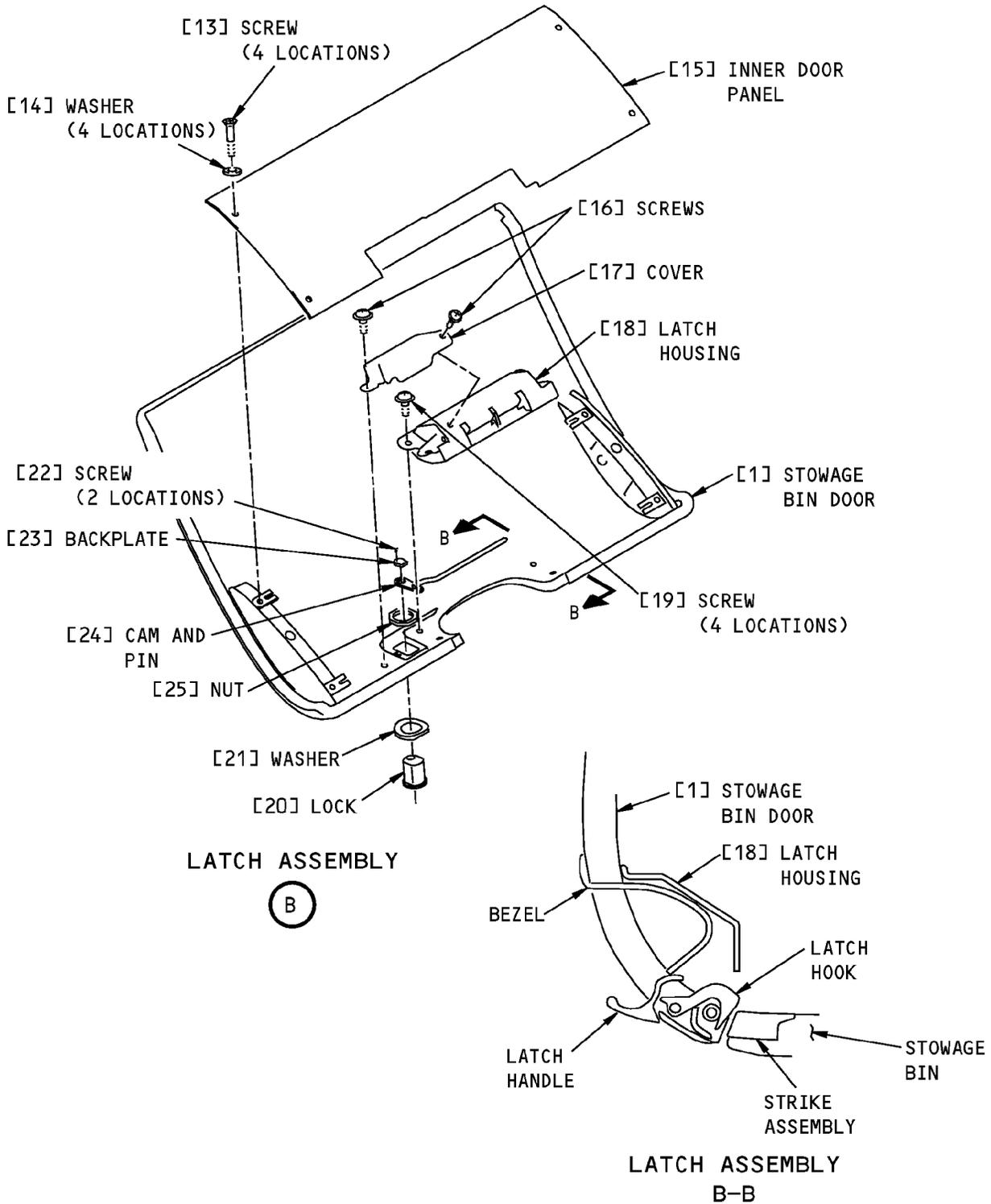
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HAP 001-013, 015-026, 028-030

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**Overhead Stowage Bin Door Installation
Figure 201 (Sheet 2 of 2)/25-24-36-990-801**

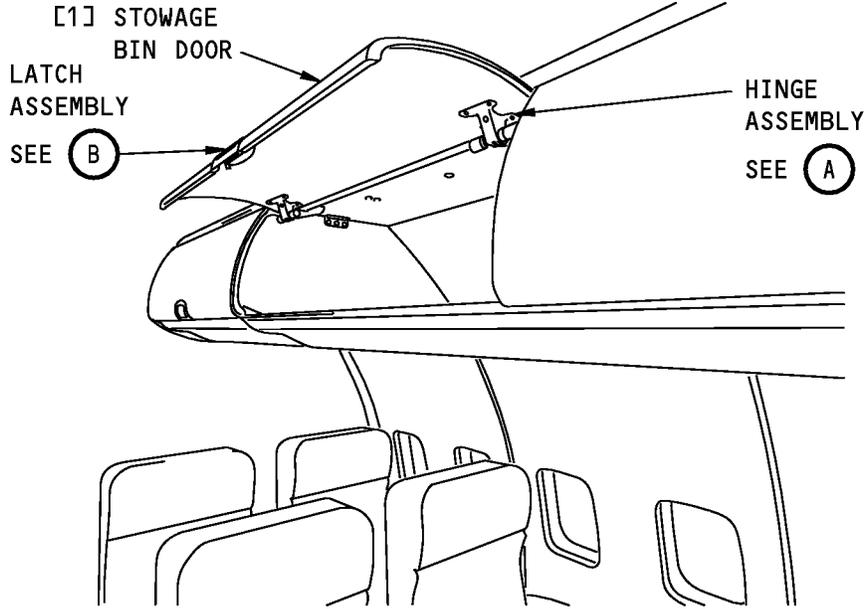
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HAP 001-013, 015-026, 028-030

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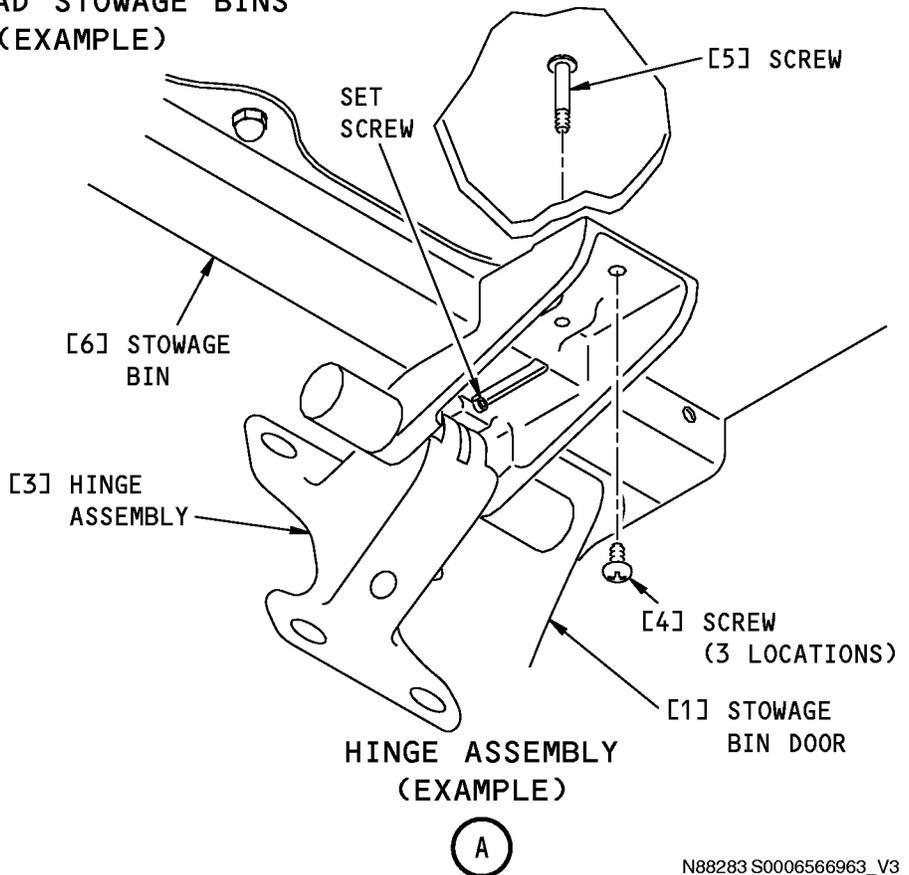
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**OVERHEAD STORAGE BINS
(EXAMPLE)**



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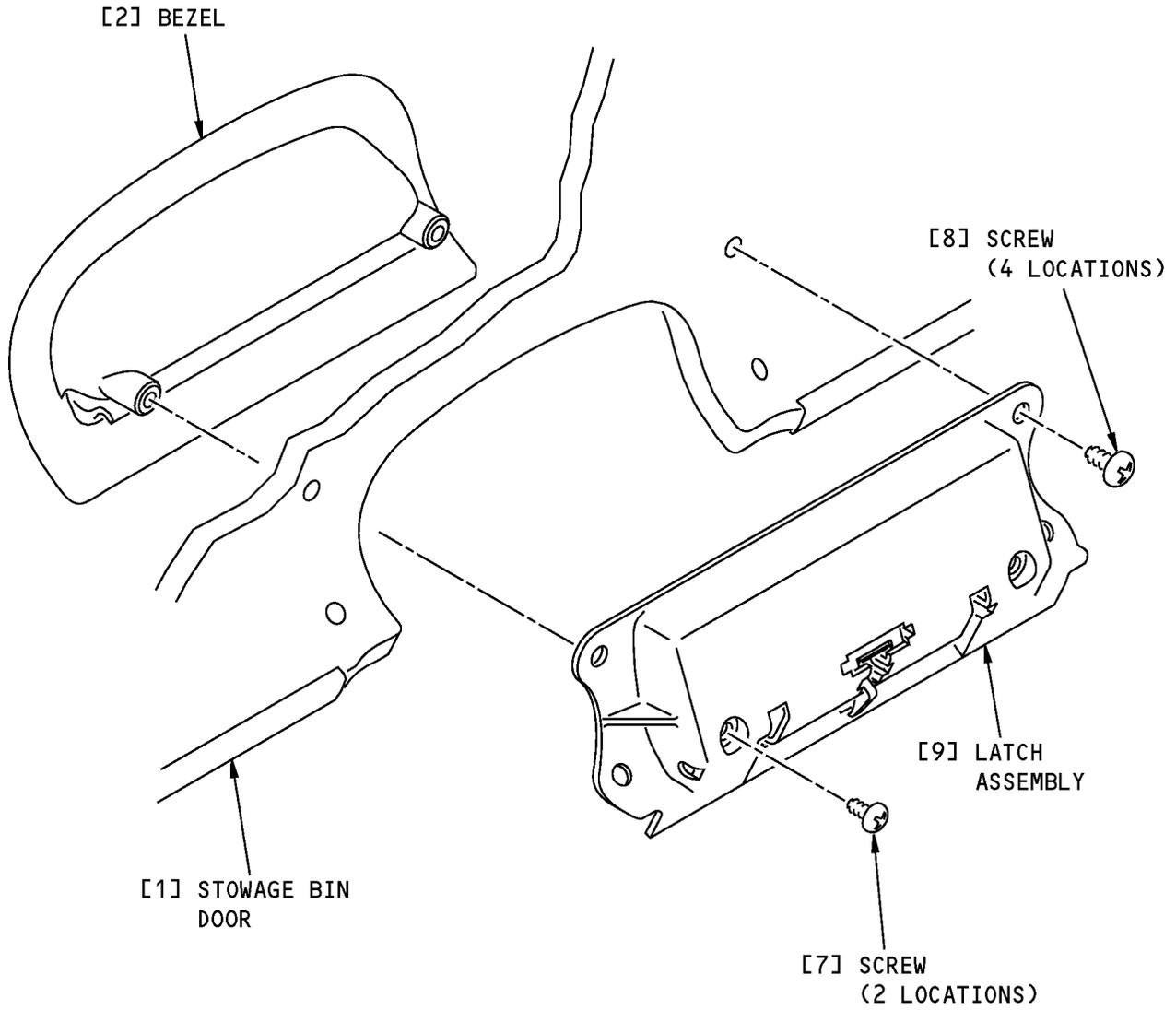
**Overhead Stowage Bin Door
Figure 202 (Sheet 1 of 2)/25-24-36-990-802**

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LATCH ASSEMBLY

(B)

**Overhead Stowage Bin Door
Figure 202 (Sheet 2 of 2)/25-24-36-990-802**

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CENTER OVERHEAD STOWAGE BOX - MAINTENANCE PRACTICES

1. General

A. This procedure has these tasks:

- (1) Center Overhead Stowage Box Door Latch Removal,
- (2) Center Overhead Stowage Box Door Latch Installation,
- (3) Center Overhead Stowage Box Door Removal,
- (4) Center Overhead Stowage Box Door Installation,
- (5) Center Overhead Stowage Box Actuator and Snubber Removal,
- (6) Center Overhead Stowage Box Actuator and Snubber Installation,

HAP 031-037, 039-041, 047-050, 053, 054

- (7) Center Overhead Stowage Box Shroud Removal,
- (8) Center Overhead Stowage Box Shroud Installation.

HAP ALL

TASK 25-24-40-000-802

2. Center Overhead Stowage Box Door Latch Removal

(Figure 201)

A. General

- (1) The stowage box door latch includes the threshold [5], the center bracket [9], and the door handle assembly [11].

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Prepare for the Removal

SUBTASK 25-24-40-020-015

- (1) Use the door latch handle on the stowage box door to open the door to the full open position.

SUBTASK 25-24-40-020-016

- (2) Remove all the items inside the stowage box.

D. Center Overhead Stowage Box Door Latch Removal

SUBTASK 25-24-40-020-017

- (1) Do these steps to get access to the door latch:

- (a) Remove the screws [1] and spacers [2] to release the shaft [3] that passes through the door latch assembly and the threshold [5].
- (b) Remove the shaft [3] that passes through the door latch assembly and the threshold.
- (c) Remove the screws [4] that attach the threshold [5] to the stowage box door.
- (d) Remove the threshold [5] from the stowage box door.

SUBTASK 25-24-40-020-018

- (2) Do these steps to remove the door latch from the stowage box door:

- (a) Remove the screws [10] that attach the center bracket [9] to the stowage box door.
- (b) Remove the screws [7] and washers [8] that attach the center bracket [9] and the door handle assembly [11] to the stowage box door.

<p>EFFECTIVITY</p> <p>HAP ALL</p>

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- (c) Remove the center bracket [9] from the stowage box door.
- (d) Remove the door handle assembly [11] from the stowage box door.

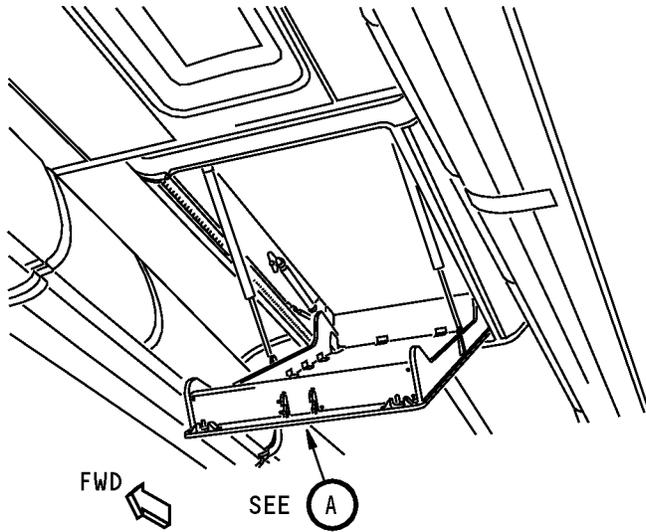
————— **END OF TASK** —————

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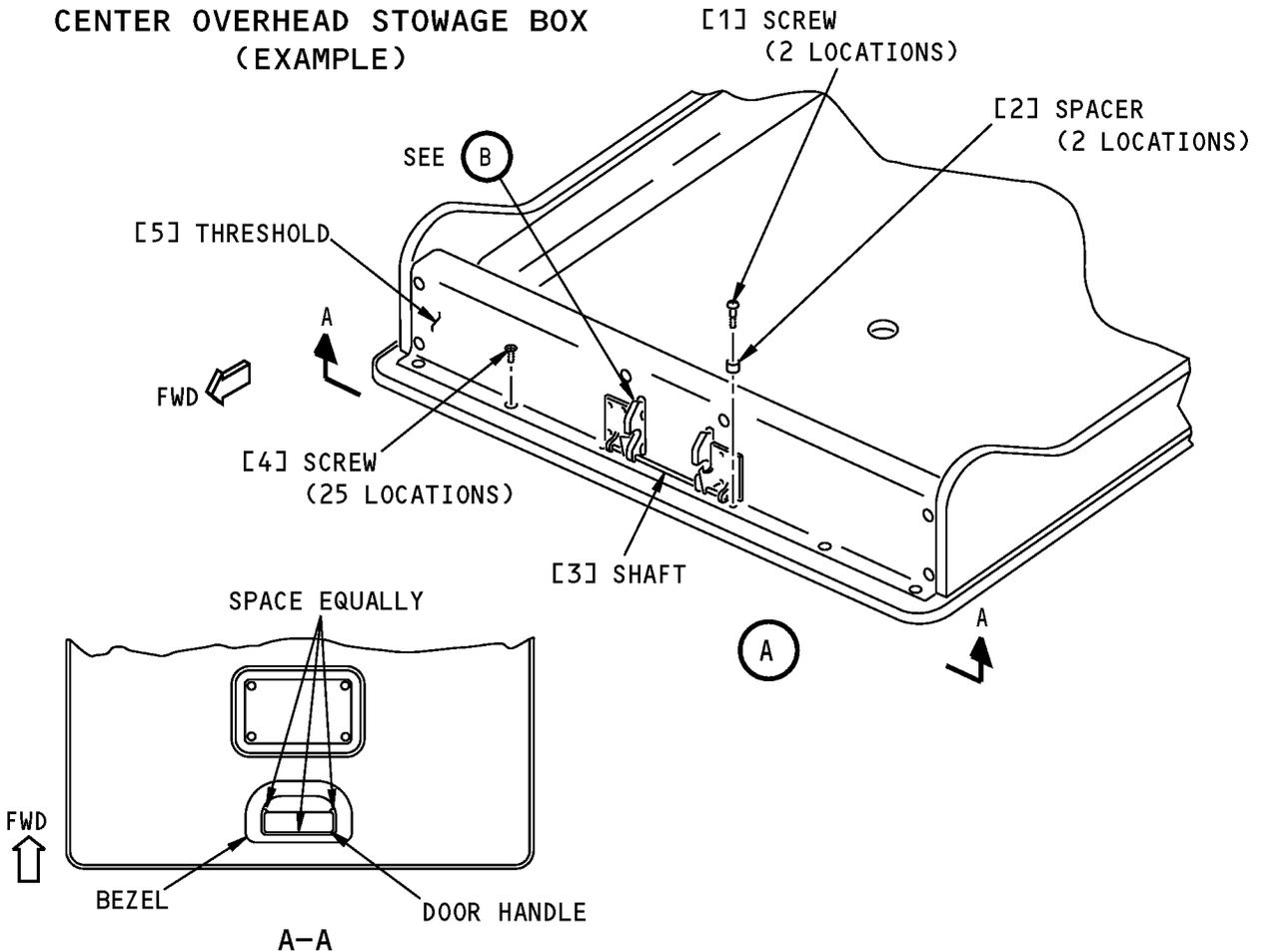
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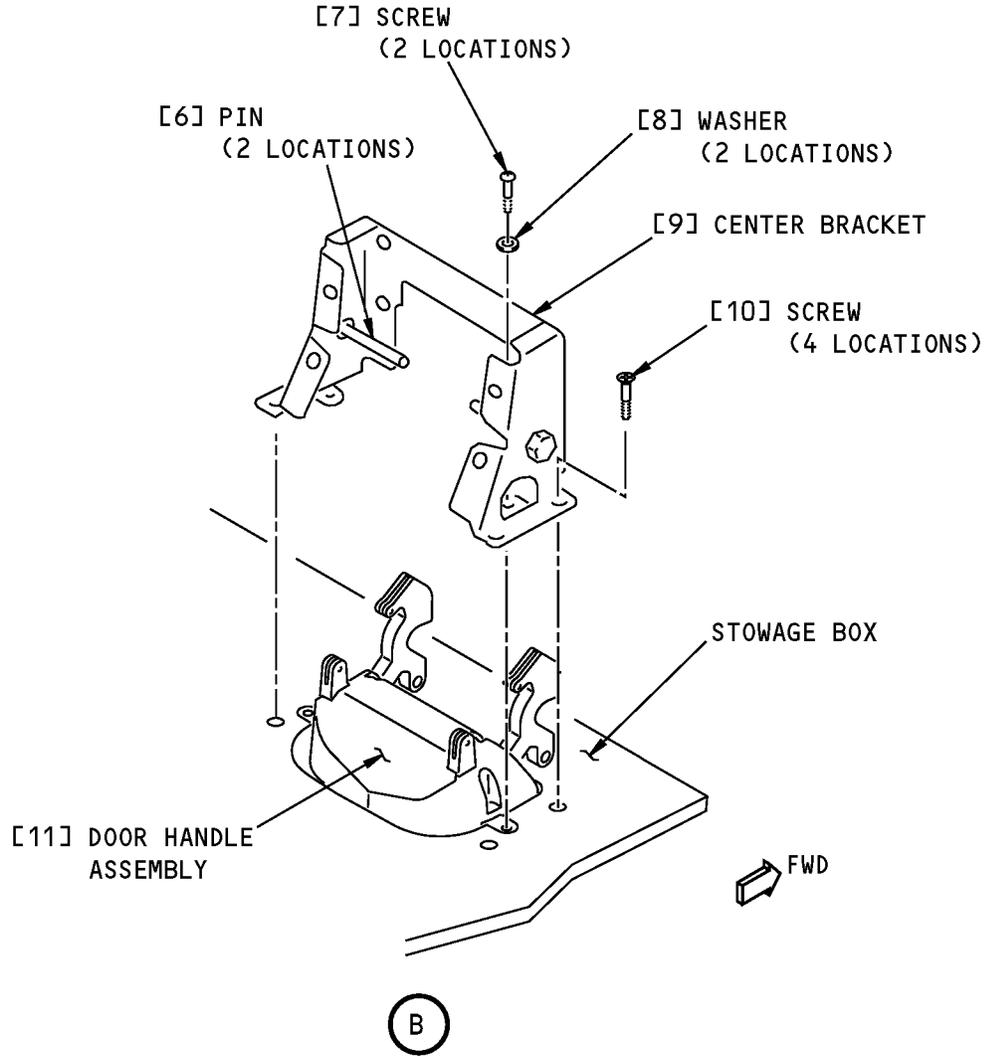
**CENTER OVERHEAD STORAGE BOX
(EXAMPLE)**



**Center Overhead Stowage Box Door Latch Installation
Figure 201 (Sheet 1 of 2)/25-24-40-990-802**

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**Center Overhead Stowage Box Door Latch Installation
Figure 201 (Sheet 2 of 2)/25-24-40-990-802**

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TASK 25-24-40-400-802

3. Center Overhead Stowage Box Door Latch Installation

(Figure 201)

A. General

- (1) The stowage box door latch includes the threshold [5], the center bracket [9], and the door handle assembly [11].

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Center Overhead Stowage Box Door Latch Installation

SUBTASK 25-24-40-420-004

- (1) Do these steps to install the door latch on the stowage box door:
 - (a) Put the center bracket [9] in its position on the stowage box door.
 - (b) Install the screws [10] that attach the center bracket [9] to the stowage box door.
 - (c) Put the door handle assembly [11] in the cutout on the stowage box door.
 - (d) Install the screws [7] and washers [8] that attach the center bracket [9] and door handle assembly [11] to the stowage box door.

NOTE: Make sure the bezel is held tightly to the door, and you can adjust the clearance between the bezel and the door handle.

SUBTASK 25-24-40-410-002

- (2) Do these steps to install the threshold [5]:
 - (a) Put the threshold [5] in its position on the stowage box door.
 - (b) Put the shaft [3] in its position through the threshold [5] and the door latch assembly
 - (c) Install the screws [1] and the spacers [2] that hold the shaft in its position.
 - (d) Install the screws [4] that attach the threshold [5] to the stowage box door.

SUBTASK 25-24-40-410-003

- (3) Adjust the bezel for equal distance around the perimeter of the door handle.

D. Center Overhead Stowage Box Door Latch Installation Test

SUBTASK 25-24-40-420-005

- (1) Make sure the door handle operates smoothly without too much noise.

SUBTASK 25-24-40-420-006

- (2) Close and open the stowage box door several times:
 - (a) Make sure the door latch engages and disengages smoothly.
 - (b) Make sure the door handle is flush with the door when the door is closed.

E. Put the Airplane in Its Usual Condition

SUBTASK 25-24-40-420-007

- (1) Install the items that were removed from the center overhead stowage box for this task.

SUBTASK 25-24-40-420-008

- (2) Close the center overhead stowage box door.

————— **END OF TASK** —————

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TASK 25-24-40-000-803

4. Center Overhead Stowage Box Door Removal

(Figure 202)

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Prepare for the Removal

SUBTASK 25-24-40-020-019

(1) Use the door latch handle on the stowage box door to open the door to the full open position.

SUBTASK 25-24-40-020-020

(2) Remove all the items inside the stowage box.

C. Center Overhead Stowage Box Door Removal

SUBTASK 25-24-40-020-043

(1) Remove the bolt [37] and washer [38] that attach each of the rebound rate control snubbers [42] to the stowage box.

SUBTASK 25-24-40-020-021

(2) Remove the bolt [45], washer [47], and nut [46] that attach each of the rate control snubbers [44] to the stowage box door [31].

SUBTASK 25-24-40-020-022

(3) Lower the stowage box door [31] to a near vertical position.

SUBTASK 25-24-40-020-024

(4) Remove the bolt [39], washers [40], and nut [41] that attach each of the actuators [43] to the stowage box door [31].

SUBTASK 25-24-40-020-025

(5) Do these steps to remove the stowage box door [31] from the center overhead stowage box assembly:

- (a) Support the door [31] while you remove the bolts [35] from the hinge pivot pin [36] on each side of the door.
- (b) Remove the hinge pivot pin [36], damper [34], washer [33], and bushing [32] from each side of the stowage box door [31].
- (c) Carefully remove the stowage box door [31] from the stowage box.

END OF TASK

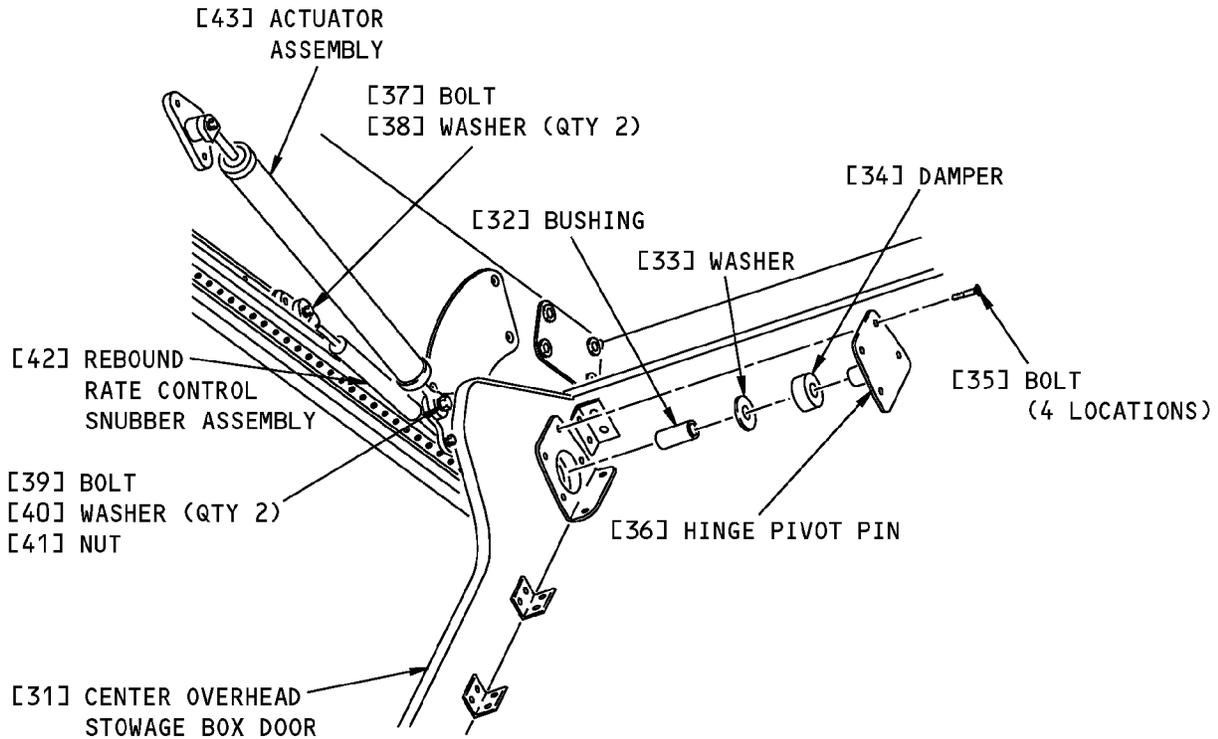
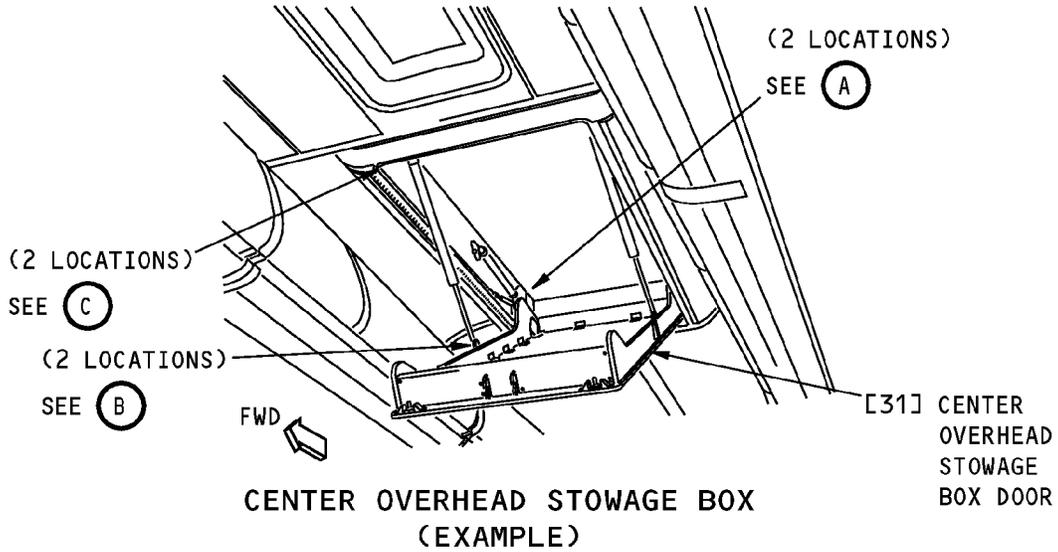
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FWD

(EXAMPLE, 2 LOCATIONS)

(A)

**Center Overhead Stowage Box Door Installation
Figure 202 (Sheet 1 of 2)/25-24-40-990-803**

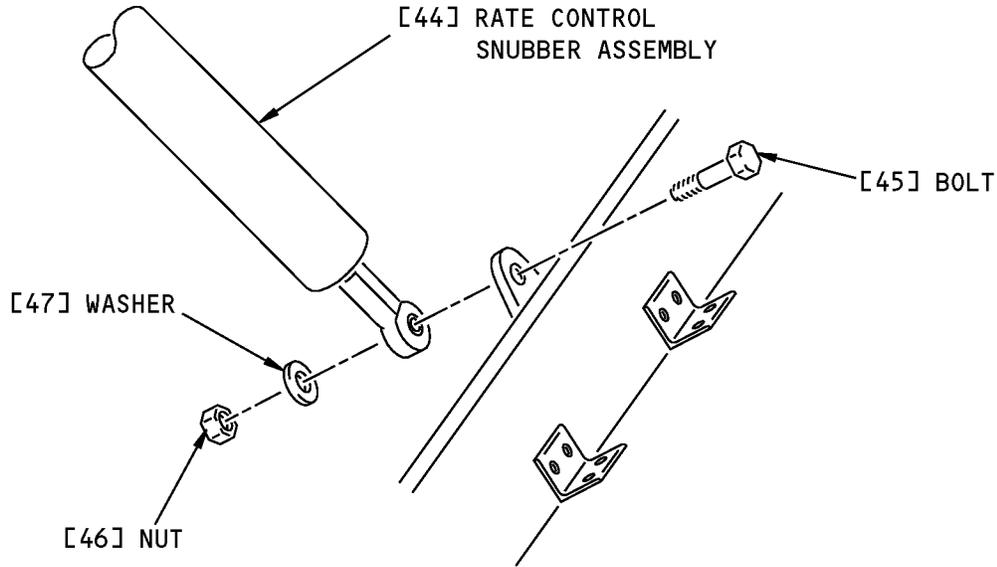
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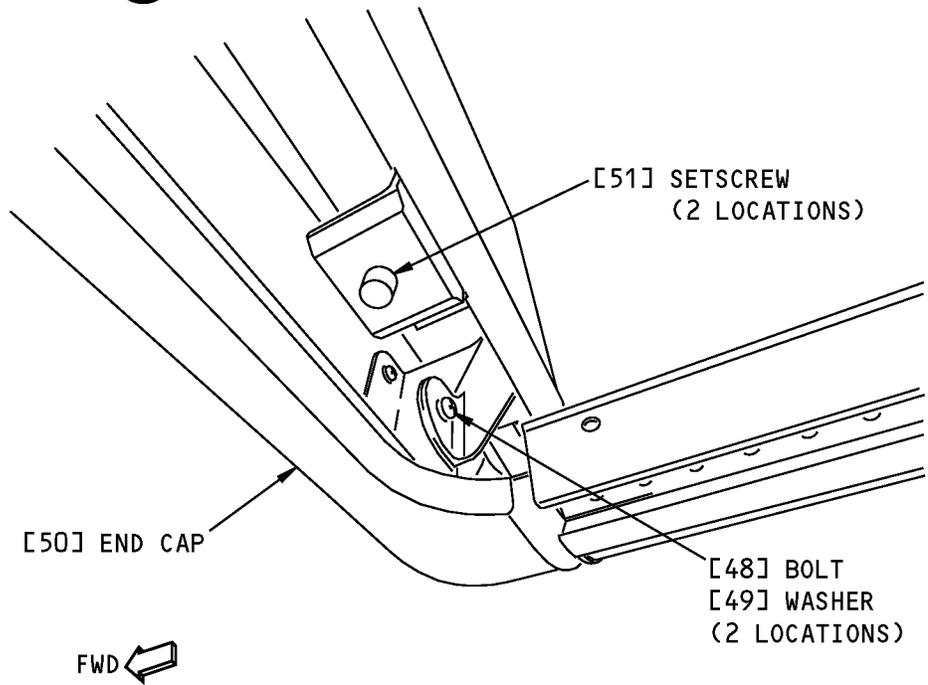
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FWD  (EXAMPLE, 2 LOCATIONS)

(B)



FWD  (EXAMPLE, 2 LOCATIONS)

(C)

Center Overhead Stowage Box Door Installation
Figure 202 (Sheet 2 of 2)/25-24-40-990-803

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TASK 25-24-40-400-803

5. Center Overhead Stowage Box Door Installation

(Figure 202)

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Center Overhead Stowage Box Door Installation

SUBTASK 25-24-40-420-009

- (1) Do these steps to install the stowage box door on the center overhead stowage box:
 - (a) Support the stowage box door in its position.
 - (b) Install the hinge pivot pin [36], damper [34], washer [33], and bushing [32] on each side of the stowage box door [31].
 - (c) Install the bolts [35] to attach the hinge pivot pin [36] on each side of the door.

SUBTASK 25-24-40-020-026

- (2) Install the bolt [39], washers [40], and nut [41] to attach each of the actuators [43] to the stowage box door [31].

SUBTASK 25-24-40-020-044

- (3) Install the bolt [45], washer [47], and nut [46] to attach each of the rate control snubbers [44] to the stowage box door [31].

SUBTASK 25-24-40-020-027

- (4) Install the bolt [37] and washer [38] to attach each of the rebound rate control snubbers [42] to the stowage box door [31].

C. Center Overhead Stowage Box Door Installation Test

SUBTASK 25-24-40-420-010

- (1) Close and open the stowage box door several times:
 - (a) Make sure the door touches each door stop equally when the door is closed. If the door does not touch each stop equally, do these steps:
 - 1) Hold the end cap [50] while you remove the bolts [48] and washers [49] that attach the end cap to the stowage box assembly.
 - 2) Turn the setscrew [51] up or down to get the necessary height.
 - (b) Make sure the door latch engages and disengages smoothly.
 - (c) Make sure the door handle is flush with the door when the door is closed.

D. Put the Airplane in Its Usual Condition

SUBTASK 25-24-40-420-011

- (1) Install the items that were removed from the center overhead stowage box for this task.

SUBTASK 25-24-40-420-012

- (2) Close the center overhead stowage box door.

————— **END OF TASK** —————

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TASK 25-24-40-000-804

6. Center Overhead Stowage Box Actuator and Snubber Removal

(Figure 203)

A. General

- (1) There are two actuators, two rate control snubbers, and two rebound rate control snubbers installed on each overhead stowage box.

B. References

Reference	Title
25-21-45-000-801	Sculptured Ceiling Panel Removal (P/B 401)

C. Location Zones

Zone	Area
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

D. Prepare for the Removal

SUBTASK 25-24-40-020-029

- (1) Use the door latch handle on the stowage box door to open the door to the full open position.

SUBTASK 25-24-40-020-030

- (2) Remove all the items stored inside the stowage box.

SUBTASK 25-24-40-020-031

- (3) Remove the sculptured ceiling panels adjacent to the stowage box. To remove the ceiling panels, do this task: Sculptured Ceiling Panel Removal, TASK 25-21-45-000-801.

E. Center Overhead Stowage Box Actuator and Snubber Removal

SUBTASK 25-24-40-020-045

- (1) Remove the bolt [37] and washer [38] that attach each of the rebound rate control snubbers [42] to the stowage box door [31].

SUBTASK 25-24-40-020-032

- (2) Remove the bolt [45], washer [47], and nut [46] that attach each rate control snubber [44] to the stowage box [31].

SUBTASK 25-24-40-020-033

- (3) Lower the stowage box door to a near vertical position.

SUBTASK 25-24-40-020-034

- (4) To remove a rate control snubber [44], do these steps:

- (a) Remove the bolt [61], washers [62], and nut [63] that attach the rate control snubber [44] to the stowage box.

NOTE: Access to the nut [63] and washer [62] is above the side panel of the stowage box.

- (b) Remove the rate control snubber [44] from the stowage box.

SUBTASK 25-24-40-020-035

- (5) To remove a rebound rate control snubber [42] do these steps:

- (a) Remove the bolt [67] and washer [68] from each end the rebound rate control snubber [42].

- (b) Remove the rebound rate control snubber [42] from the stowage box door [31].

<p>EFFECTIVITY</p> <p>HAP ALL</p>	
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SUBTASK 25-24-40-020-036

(6) To remove an actuator [43] do these steps:

- (a) Hold the door while you remove the bolt [39], washers [40], and nut [41] that attach the actuator [43] to the stowage box door.
- (b) Remove the bolt [64], washers [65], and nut [66] that attach the actuator [43] to the stowage box.

NOTE: Access to the nut [66] and washer [65] is above the side panel of the stowage box.

- (c) Remove the actuator [43] from the stowage box.

————— **END OF TASK** —————

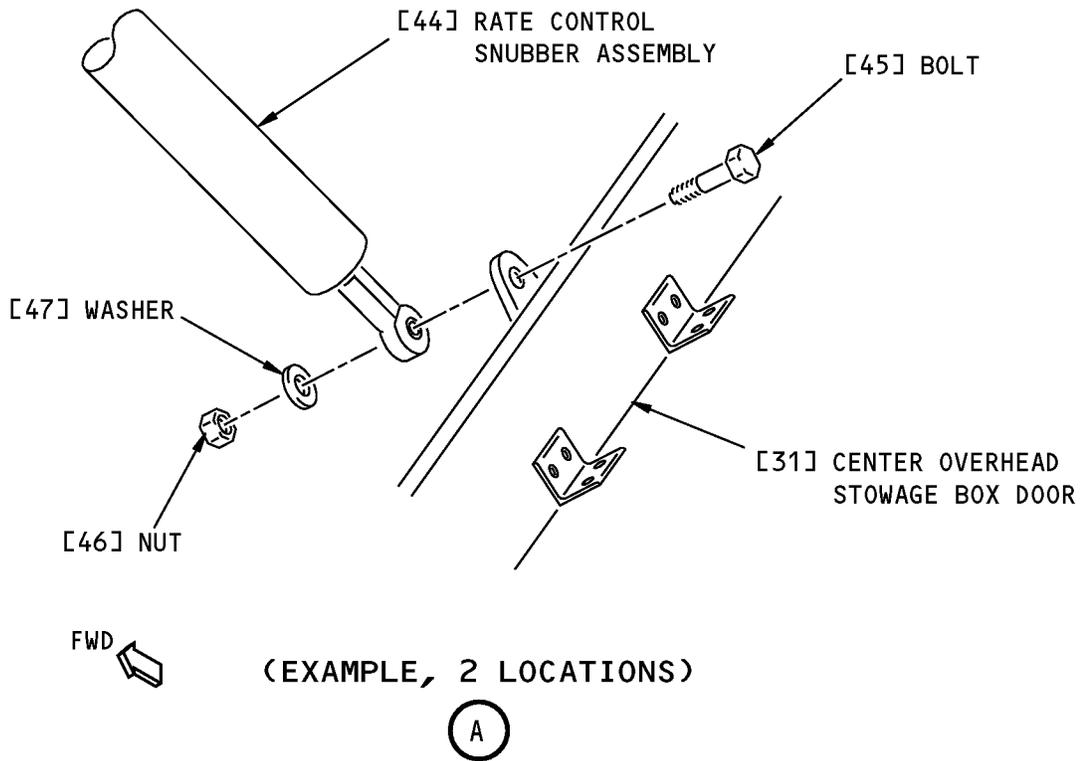
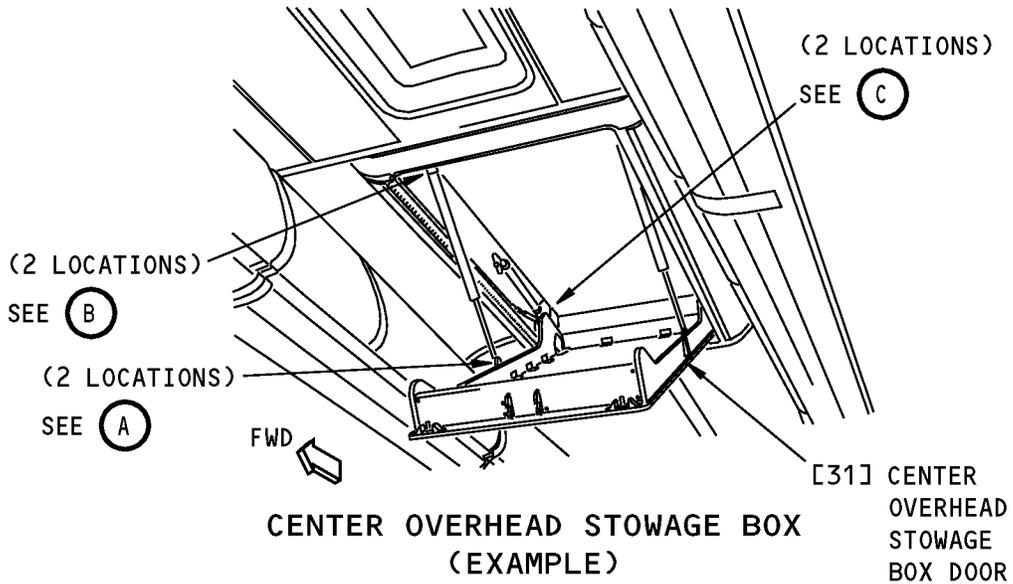
EFFECTIVITY
HAP ALL

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Center Overhead Storage Box Actuator/Snubber Installation
Figure 203 (Sheet 1 of 2)/25-24-40-990-804

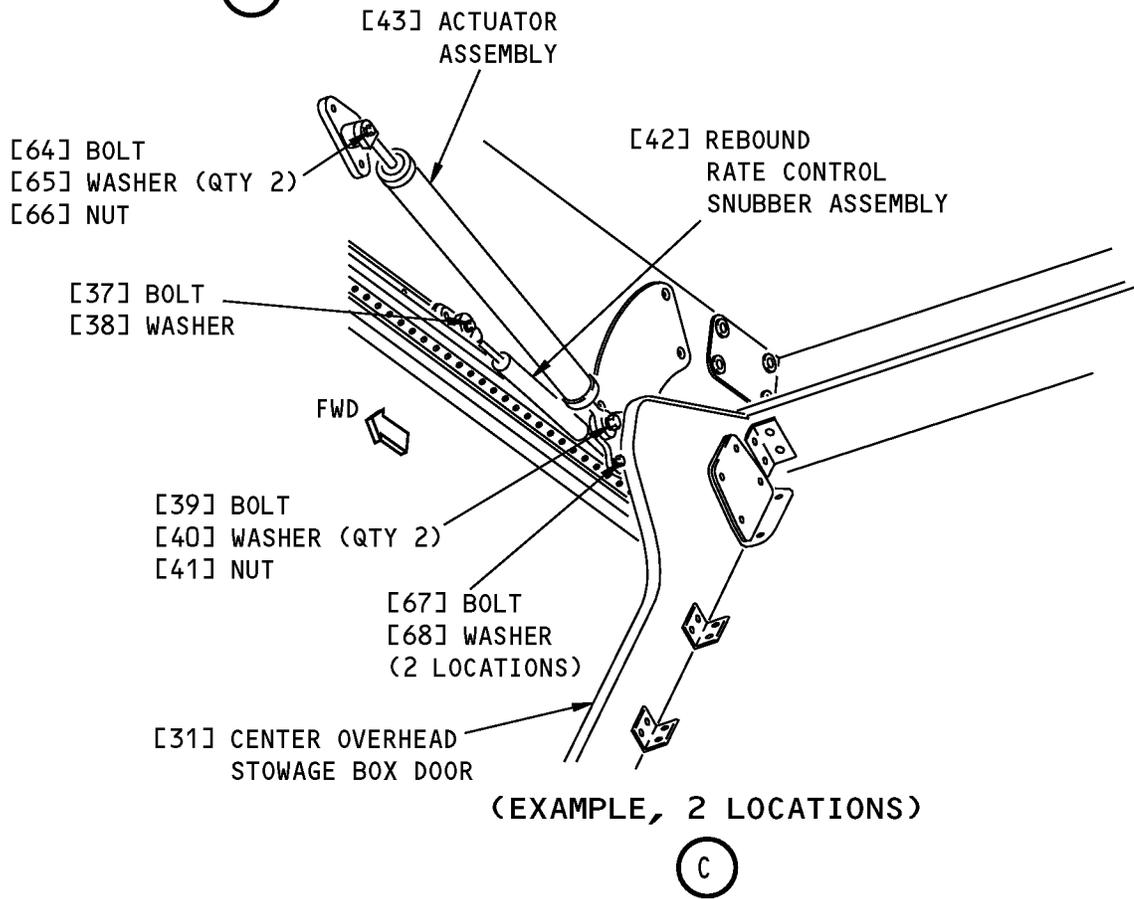
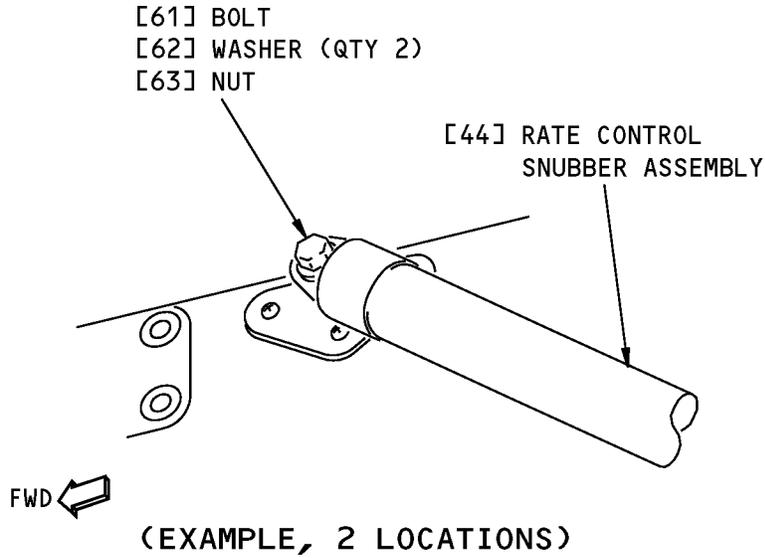
EFFECTIVITY
HAP ALL

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Center Overhead Stowage Box Actuator/Snubber Installation
Figure 203 (Sheet 2 of 2)/25-24-40-990-804

EFFECTIVITY
HAP ALL



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TASK 25-24-40-400-804

7. Center Overhead Stowage Box Actuator and Snubber Installation

(Figure 203)

A. References

Reference	Title
25-21-45-400-801	Sculptured Ceiling Panel Installation (P/B 401)

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Center Overhead Stowage Box Actuator and Snubber Installation

SUBTASK 25-24-40-020-037

(1) To install an actuator [43], do these steps:

- (a) Hold the actuator [43] in its position while you install the bolt [64], washers [65], and nut [66] that attach the actuator [43] to the stowage box.
- (b) Install the bolt [39], washers [40], and nut [41] that attach the actuator [43] to the stowage box door.

SUBTASK 25-24-40-020-038

(2) To install a rebound rate control snubber [42], do these steps:

- (a) Hold the snubber [42] while you install the bolt [67] and washer [68] that attach the snubber [42] to the stowage box door.
- (b) Move the stowage box door to a position that will let you attach the free end of the rebound rate control snubber [42].
- (c) Hold the door while you install the bolt [37] and washer [38] that attach the snubber [42] to the stowage box.

SUBTASK 25-24-40-020-039

(3) To install a rate control snubber [44], do this step:

- (a) Hold the snubber [44] while you install the bolt [61], washers [62], and nut [63] that attach the snubber [44] to the stowage box.

SUBTASK 25-24-40-020-040

(4) Move the stowage box door to a position that will let you attach the free end of the rate control snubber [44].

SUBTASK 25-24-40-020-041

(5) Hold the door while you install the bolt [45], washer [47], and nut [46] that attach the snubber [44] to the stowage box door.

D. Put the Airplane in Its Usual Condition

SUBTASK 25-24-40-420-013

(1) Install the items that were removed from the center overhead stowage box for this task.

SUBTASK 25-24-40-420-014

(2) Close the center overhead stowage box door.

EFFECTIVITY HAP ALL	
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SUBTASK 25-24-40-020-042

- (3) Install the sculptured ceiling panels adjacent to the stowage box. To install the ceiling panels, do this task: Sculptured Ceiling Panel Installation, TASK 25-21-45-400-801.

————— END OF TASK —————

HAP 031-037, 039-041, 047-050, 053, 054

TASK 25-24-40-000-805

8. Center Overhead Stowage Box Shroud Removal

(Figure 204)

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Prepare for the Removal

SUBTASK 25-24-40-020-046

- (1) Use the door latch handle on the overhead stowage box door to open the door to the full open position.

SUBTASK 25-24-40-020-047

- (2) Remove all the items in the overhead stowage box.

C. Center Overhead Stowage Box Shroud Removal

SUBTASK 25-24-40-020-048

- (1) Remove the screws that attach the shroud assembly to the overhead stowage box.

SUBTASK 25-24-40-020-049

- (2) Carefully remove the shroud assembly from the overhead stowage box .

————— END OF TASK —————

TASK 25-24-40-400-805

9. Center Overhead Stowage Box Shroud Installation

(Figure 204)

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Center Overhead Stowage Box Shroud Installation

SUBTASK 25-24-40-820-001

- (1) Align the bracket holes of the shroud assembly to the holes on the overhead stowage box.

SUBTASK 25-24-40-420-015

- (2) Install the screws to attach the shroud assembly to the overhead stowage box .

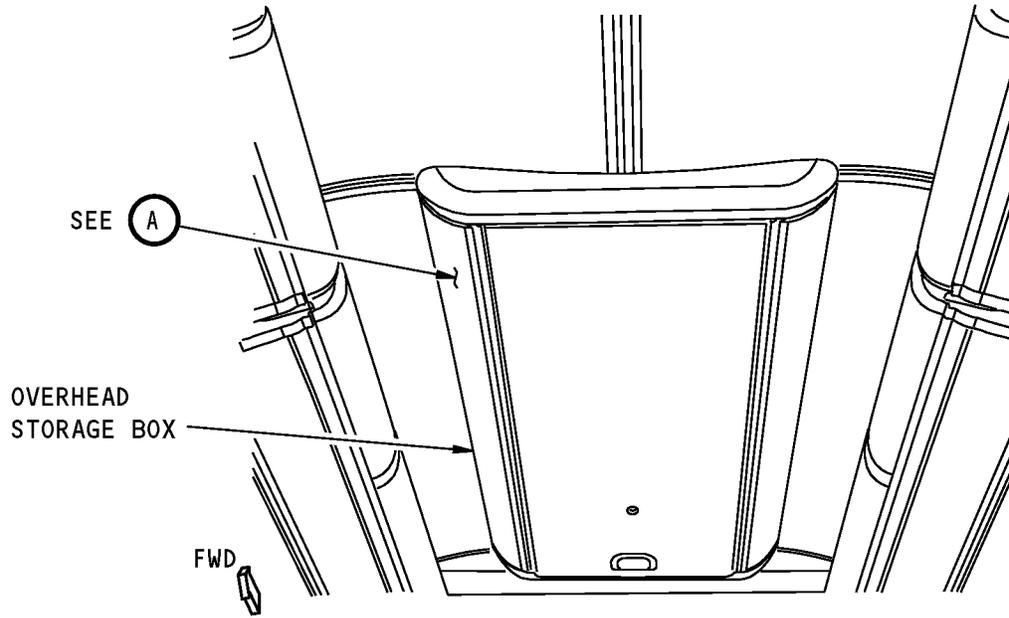
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EFFECTIVITY
HAP ALL

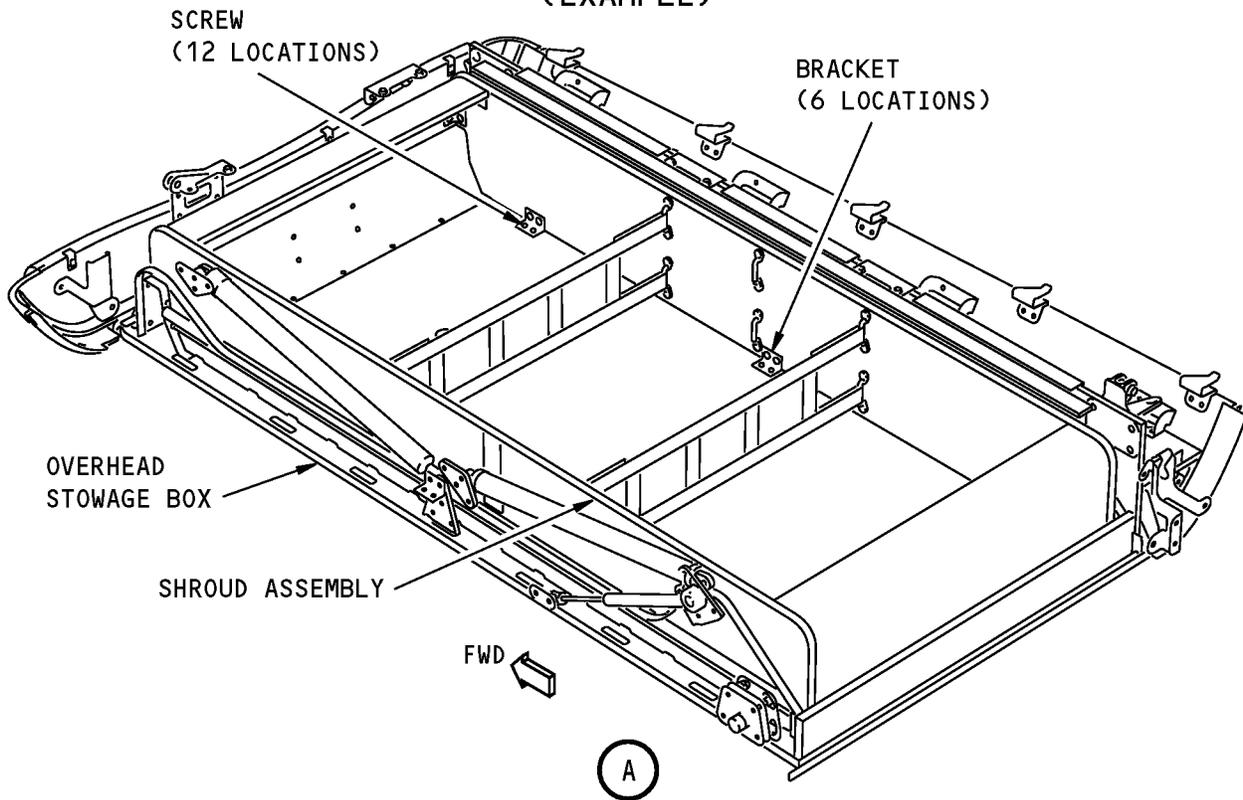
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**CENTER OVERHEAD STORAGE BOX
(EXAMPLE)**



**Center Overhead Storage Box Shroud Installation
Figure 204/25-24-40-990-805**

EFFECTIVITY
HAP 031-037, 039-041, 047-050, 053, 054

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CENTER OVERHEAD STOWAGE BOX - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) Center Overhead Stowage Box Removal,
- (2) Center Overhead Stowage Box Installation.

TASK 25-24-40-000-801

2. Center Overhead Stowage Box Removal

(Figure 401)

A. General

- (1) Two persons are necessary to complete this task.

B. References

Reference	Title
25-21-45-000-801	Sculptured Ceiling Panel Removal (P/B 401)

C. Consumable Materials

Reference	Description	Specification
G50344	Tape - Fiberglass, Permacel P212-HD	

D. Location Zones

Zone	Area
200	Upper Half of Fuselage

E. Prepare for the Removal

SUBTASK 25-24-40-020-001

- (1) Use the door latch handle on the stowage box door to open the door to the full open position.

SUBTASK 25-24-40-020-002

- (2) Remove the items stored inside the stowage box [1].

SUBTASK 25-24-40-020-003

- (3) Close the door of the center overhead stowage box [1].

SUBTASK 25-24-40-020-004

- (4) Remove the sculptured ceiling panels adjacent to the stowage box [1]. To remove the ceiling panels, do this task: Sculptured Ceiling Panel Removal, TASK 25-21-45-000-801.

F. Center Overhead Stowage Box Removal

SUBTASK 25-24-40-020-005

- (1) Remove the fiberglass tape, G50344 [7], that holds the flex hoses [6] to the stowage box [1].

SUBTASK 25-24-40-020-006

- (2) Disconnect the flex hoses [6] from the stowage box [1].

SUBTASK 25-24-40-020-007

WARNING: BE CAREFUL WHEN YOU MOVE THE STOWAGE BOX. BECAUSE THE STOWAGE BOX WEIGHS APPROXIMATELY 45 POUNDS (20 KILOGRAMS), INJURIES TO PERSONS CAN OCCUR.

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(WARNING PRECEDES)

WARNING: ONE PERSON MUST HOLD THE STOWAGE BOX WHILE YOU REMOVE THE HARDWARE THAT SECURES THE STOWAGE BOX TO THE AIRPLANE. THE STOWAGE BOX CAN FALL AND CAUSE INJURIES TO PERSONS AND DAMAGE TO EQUIPMENT.

(3) Remove the hardware that secures the stowage box [1] to the airplane.

(a) Remove the bolt [4], washers [3], nut [5], and bushing [2] from the tie rod assemblies.

NOTE: Tag the attachment hardware for each location because different installations are possible.

(b) Remove the bolt [4], washers [3], nut [5], and bushing [2] from the turnbuckle assemblies.

NOTE: Tag the attachment hardware for each location because different installations are possible.

SUBTASK 25-24-40-020-008

(4) Move each of the tie rods and turnbuckles away from the clevises on the stowage box [1].

SUBTASK 25-24-40-020-009

(5) Carefully lower the stowage box [1].

————— **END OF TASK** —————

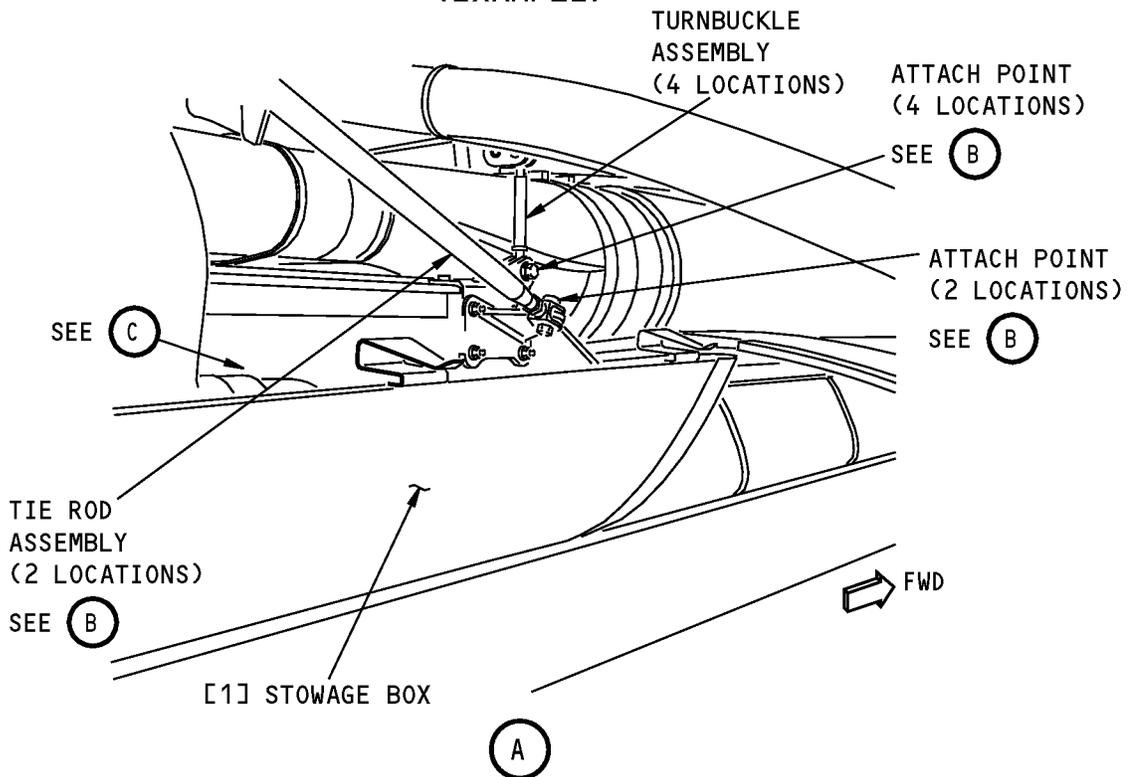
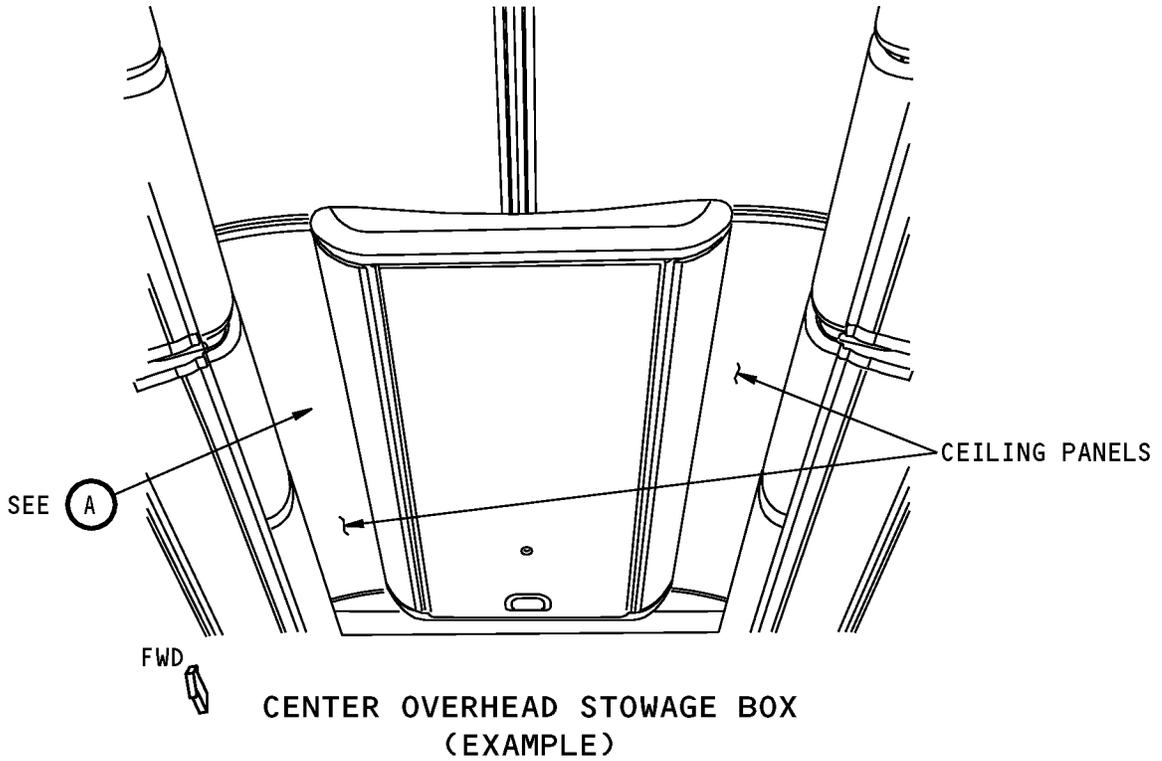
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AIRCRAFT MAINTENANCE MANUAL**



**Center Overhead Storage Box Installation
Figure 401 (Sheet 1 of 2)/25-24-40-990-801**

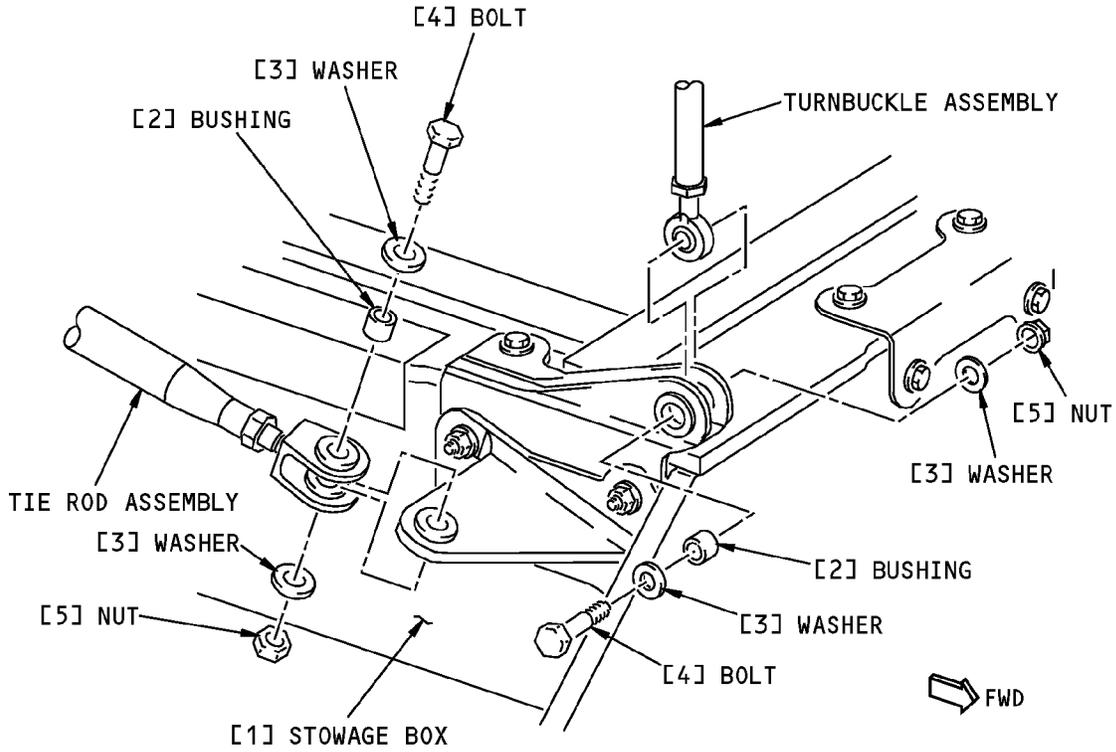
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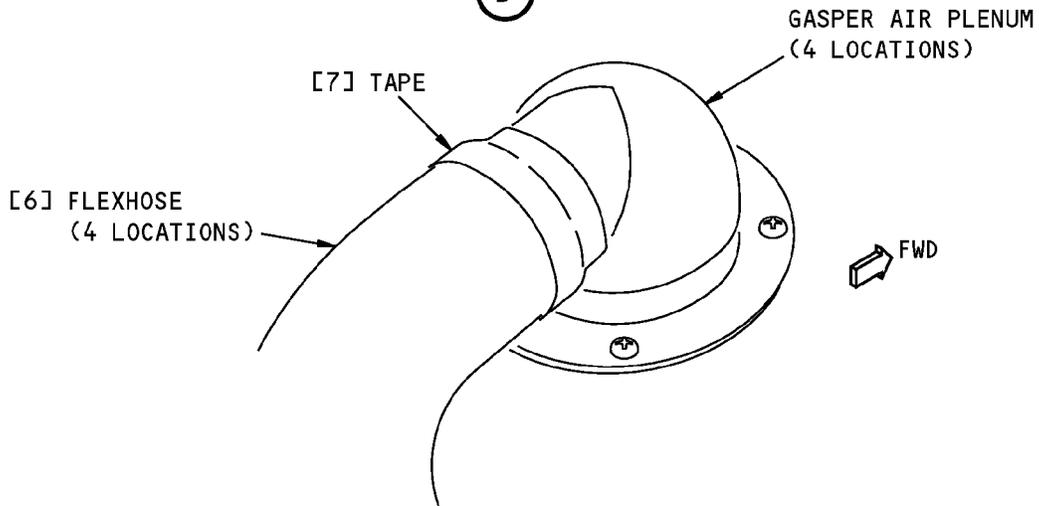
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AIRCRAFT MAINTENANCE MANUAL**



**ATTACH POINT
(EXAMPLE)**

(B)



(C)

**Center Overhead Stowage Box Installation
Figure 401 (Sheet 2 of 2)/25-24-40-990-801**

EFFECTIVITY
HAP ALL

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TASK 25-24-40-400-801

3. Center Overhead Stowage Box Installation

(Figure 401)

A. References

Reference	Title
25-21-45-400-801	Sculptured Ceiling Panel Installation (P/B 401)

B. Consumable Materials

Reference	Description	Specification
G50344	Tape - Fiberglass, Permacel P212-HD	

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Center Overhead Stowage Box Installation

SUBTASK 25-24-40-420-001

WARNING: BE CAREFUL WHEN YOU MOVE THE STOWAGE BOX. BECAUSE THE STOWAGE BOX WEIGHS APPROXIMATELY 45 POUNDS (20 KILOGRAMS), INJURIES TO PERSONS CAN OCCUR.

WARNING: ONE PERSON MUST HOLD THE STOWAGE BOX WHILE YOU INSTALL THE HARDWARE THAT SECURES THE STOWAGE BOX TO THE AIRPLANE. THE STOWAGE BOX CAN FALL AND CAUSE INJURIES TO PERSONS AND DAMAGE TO EQUIPMENT.

(1) Put the stowage box [1] in its position.

SUBTASK 25-24-40-410-001

(2) Put each of the tie rods and turnbuckles into the clevises on the stowage box [1].

SUBTASK 25-24-40-020-010

(3) Install the bolt [4], washers [3], nut [5], and bushing [2] for the turnbuckle assemblies.

NOTE: Use the attachment hardware that you tagged when you removed the turnbuckle assemblies.

SUBTASK 25-24-40-020-011

(4) Install the bolt [4], washers [3], nut [5], and bushing [2] for the tie rod assemblies.

NOTE: Use the attachment hardware that you tagged when you removed the tie rod assemblies.

SUBTASK 25-24-40-020-012

(5) Connect the flex hoses [6] to the gasper air plenums on the stowage box [1].

SUBTASK 25-24-40-020-013

(6) Install new fiberglass tape, G50344 [7], on the flex hose to the gasper air plenum connections.

E. Put the Airplane in Its Usual Condition

SUBTASK 25-24-40-420-002

(1) Install the items that were removed from the center overhead stowage box [1] for this task.

SUBTASK 25-24-40-420-003

(2) Close the center overhead stowage box door.

EFFECTIVITY	
HAP ALL	

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SUBTASK 25-24-40-020-014

- (3) Install the sculptured ceiling panels adjacent to the stowage box [1]. To install the ceiling panels, do this task: Sculptured Ceiling Panel Installation, TASK 25-21-45-400-801.

END OF TASK

EFFECTIVITY
HAP ALL

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AIRCRAFT MAINTENANCE MANUAL

FLOOR-MOUNTED STOWAGE BOX - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) A removal of the floor-mounted stowage box
- (2) An installation of the floor-mounted stowage box

B. There is more than one type of floor-mounted stowage box. This procedure gives instructions to remove and install these types of stowage boxes:

- (1) With bifold doors
- (2) With a drawer
- (3) With an aisle-hinged door

TASK 25-24-51-000-801

2. Floor-Mounted Stowage Box Removal

NOTE: See Figure 401.

A. References

Reference	Title
25-22-00-000-801	Passenger Seat Removal (P/B 401)

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Prepare for the Removal

SUBTASK 25-24-51-010-001

- (1) If it is necessary to get better access to the floor attachments, do this task: Passenger Seat Removal, TASK 25-22-00-000-801.

D. Floor-Mounted Stowage Box Removal

SUBTASK 25-24-51-020-001

- (1) Do these steps to remove the stowage box [7] with bifold doors.
 - (a) Open the doors for the stowage box [7].
 - (b) Remove the plug buttons [13] and bolts [12] from the bottom of the inner side of the stowage box [7].
 - (c) Lift the stowage box [7] up from the seat track [2].
 - (d) Remove the washers [10] and fittings [9].
 - (e) Keep the washers [10] and the fittings [9] for the installation of the stowage box [7].
 - (f) Do these steps if it is necessary to remove the seat track fittings [8]:
 - 1) Move the seat track fitting [8] forward or aft approximately 1/2 inch to align it with the circular openings in the seat track [2].
 - 2) Lift the seat track fitting [8] out of the seat track [2].

SUBTASK 25-24-51-020-002

- (2) Do these steps to remove the stowage box [1] with a drawer or aisle hinged door and a bolt [6] and plunger [5].
 - (a) Loosen the bolt [6] from the forward end of each lower support [4].

EFFECTIVITY

HAP 038, 041-047, 049-052, 054

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- (b) Lift the plunger [5] out of the seat track [2].
(c) Move the stowage box [1] forward or aft approximately 1/2 inch to align the fitting [3] with circular opening in the seat track [2].
(d) Lift the stowage box [1] out of the seat track [2].

SUBTASK 25-24-51-000-001

- (3) Do these steps to remove the stowage box [1] with a drawer or aisle hinged door with a bolt [6] and washer [5].
(a) Open the doors for the stowage box [1].
(b) Remove the washer [5] and bolt [6] from the fitting [3].
(c) Move the stowage box [1] forward or aft approximately 1/2 inch to align the fitting [3] with circular opening in the seat track [2].
(d) Lift the stowage box [1] out of the seat track [2].

SUBTASK 25-24-51-000-002

- (4) Do these steps to remove the stowage box [1] with a drawer or aisle hinged door with a lock-down screw [4] and adjustment screw [5].
(a) Remove the adjustment screws [5].
(b) Lift the stowage box [1] out of the seat track [2].
(c) Remove the lock-down screws [4] on the forward end of the adjustable seat track fittings [3].

END OF TASK

TASK 25-24-51-400-801

3. Floor-Mounted Stowage Box Installation

NOTE: See Figure 401

A. References

Table with 2 columns: Reference, Title. Row 1: 25-22-00-400-802, Passenger Seat Installation (P/B 401)

B. Consumable Materials

Table with 3 columns: Reference, Description, Specification. Row 1: C00308, Compound - Corrosion Preventive, Petrolatum Hot Application, MIL-C-11796. Row 2: G02304, Tape - Moisture Barrier, BMS8-346

C. Location Zones

Table with 2 columns: Zone, Area. Row 1: 200, Upper Half of Fuselage

D. Floor-Mounted Stowage Box Installation

SUBTASK 25-24-51-420-001

- (1) Do these steps to install the stowage box [7] with bifold doors.
(a) Do these steps if it is necessary to install the seat track fittings [8]:
1) Remove the old moisture barrier tape, G02304 from the wet areas to install the seat track fittings [8].

EFFECTIVITY
HAP 038, 041-047, 049-052, 054

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- 2) Put the seat track fitting [8] in the circular opening in the seat track [2].
- 3) Move the seat track fitting [8] forward or aft 1/2 inch to lock it in the correct position for the installation.
- 4) Do these steps in the wet areas to prevent corrosion:
 - a) Put corrosion preventive compound, C00308 in the seat track [2] around the seat track fitting [8].
 - b) Apply new moisture barrier tape, G02304 with a cutout for the seat track fittings [8] if it is necessary.
- (b) Install the fitting [9] and washer [10] on the seat track fittings [8].

NOTE: You can use a maximum of three washers [10] to make sure the stowage box [7] is level.
- (c) Align the stowage box [7] with the seat track fittings [8].
- (d) Lower the stowage box [7] on the seat track fittings [8].
 - 1) Make sure the fittings [9] and washers [10] stay between the seat track fittings [8] and the stowage box [7].
- (e) Install the bolts [12] and plug buttons [13] in the bottom of the inner side of the stowage box [7].
- (f) Close the doors for the stowage box [7].

SUBTASK 25-24-51-420-002

- (2) Do these steps to install the stowage box [1] with a drawer or aisle hinged door and a bolt [6] and plunger [5].
 - (a) Align the fittings [3] on the stowage box [1] with the circular openings in the seat track [2].
 - (b) Lower the stowage box [1] until the fittings [3] are in the seat track [2].
 - (c) Move the stowage box [1] forward or aft approximately 1/2 inch to lock the fittings [3] in the seat track [2].
 - (d) Put the plungers [5] in the circular openings in the seat track [2] at the forward end of the stowage box [1].
 - (e) Put grease in the seat track [2] around the fittings [3] on the forward and aft ends of each lower support [4].
 - (f) Tighten the bolt [6] on the forward end of each lower support [4].

SUBTASK 25-24-51-400-001

- (3) Do these steps to install the stowage box [1] with a drawer or aisle hinged door with a bolt [6] and washer [5].
 - (a) Align the fittings [3] on the stowage box [1] with the circular openings in the seat track [2].
 - (b) Lower the stowage box [1] until the fittings [3] are in the seat track [2].
 - (c) Move the stowage box [1] forward or aft approximately 1/2 inch to lock the fittings [3] in the seat track [2].
 - (d) If applicable put grease in the seat track [2] around the fittings [3] on the forward and aft ends of the stowage box [1].
 - (e) Install the washer [5] and bolt [6] to the fitting [3].

SUBTASK 25-24-51-400-002

- (4) Do these steps to install the stowage box [1] with a drawer or aisle hinged door and a lock-down screw [4] and adjustment screw [5].

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HAP 038, 041-047, 049-052, 054

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- (a) If applicable put grease in the seat track [2] around the adjustable seat track fittings [3].
 - (b) Put the adjustable seat track fittings [3] in the circular opening in the seat track [2].
 - (c) Tighten the lock-down screws [4] on the forward end of the adjustable seat track fittings [3].
 - (d) Lower the stowage box [1] and tighten the adjustment screws [5].
- E. Put the Airplane Back to Its Usual Condition.

SUBTASK 25-24-51-410-001

- (1) If it is necessary, do this task: Passenger Seat Installation, TASK 25-22-00-400-802.

————— **END OF TASK** —————

EFFECTIVITY

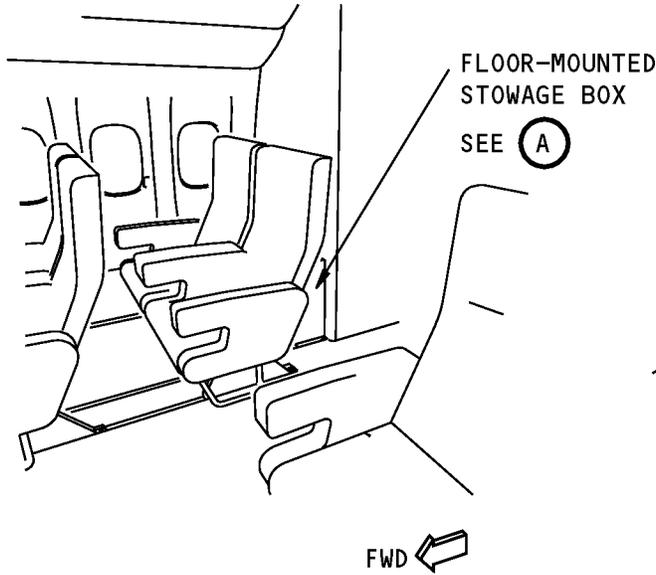
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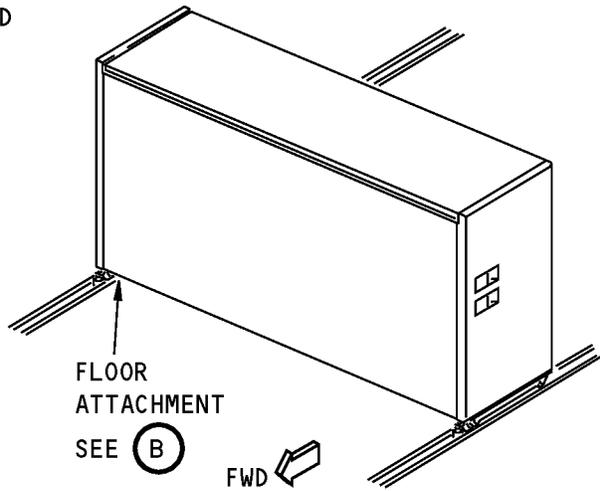
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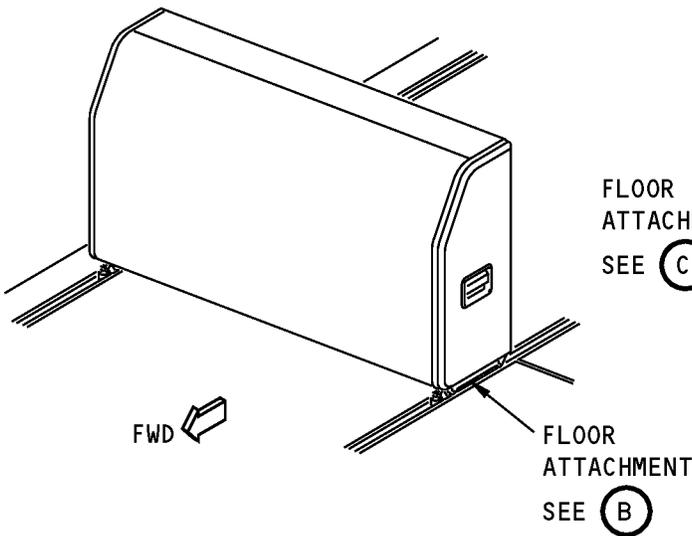


PASSENGER COMPARTMENT



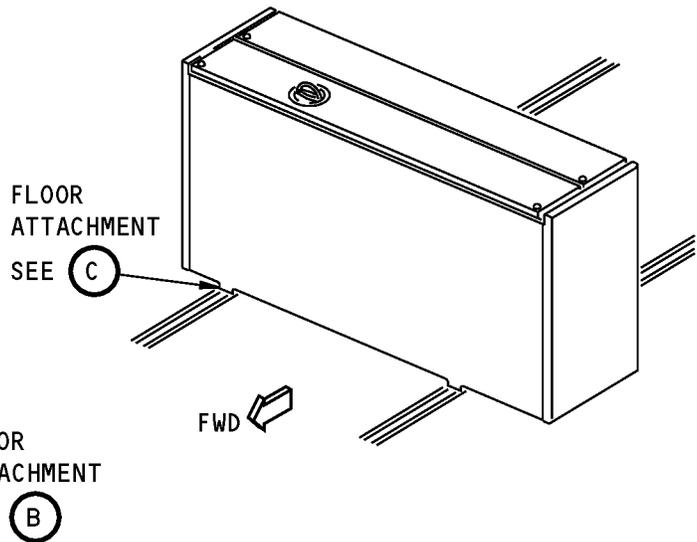
**FLOOR-MOUNTED STOWAGE BOX
WITH AISLE-HINGED DOOR
(EXAMPLE)**

(A)



**FLOOR-MOUNTED STOWAGE BOX
WITH A DRAWER
(EXAMPLE)**

(A)



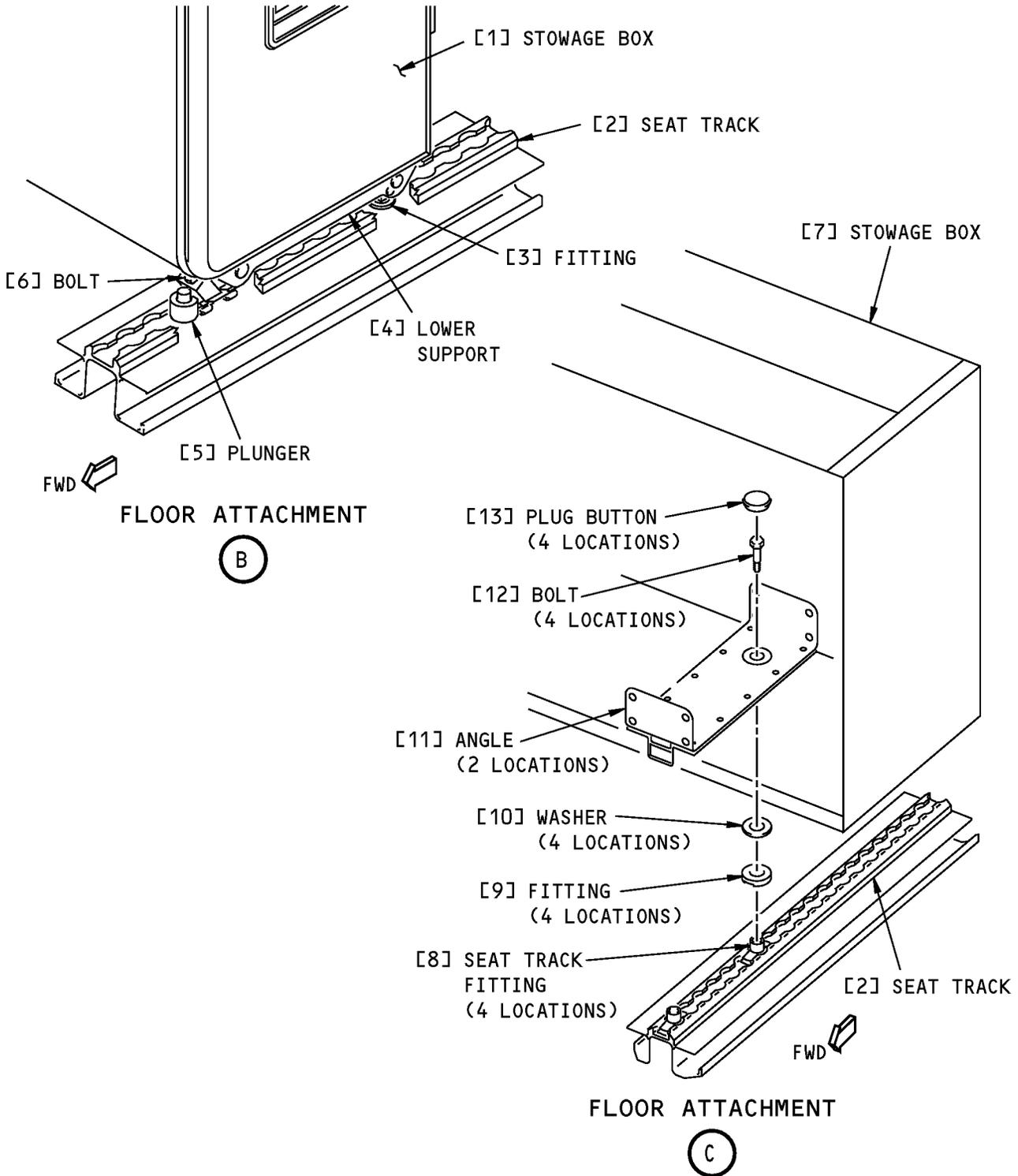
**FLOOR-MOUNTED STOWAGE BOX
WITH BIFOLD DOORS
(EXAMPLE)**

(A)

**Floor-Mounted Storage Box Installation
Figure 401 (Sheet 1 of 4)/25-24-51-990-801**

EFFECTIVITY
HAP 038, 041-047, 049-052, 054

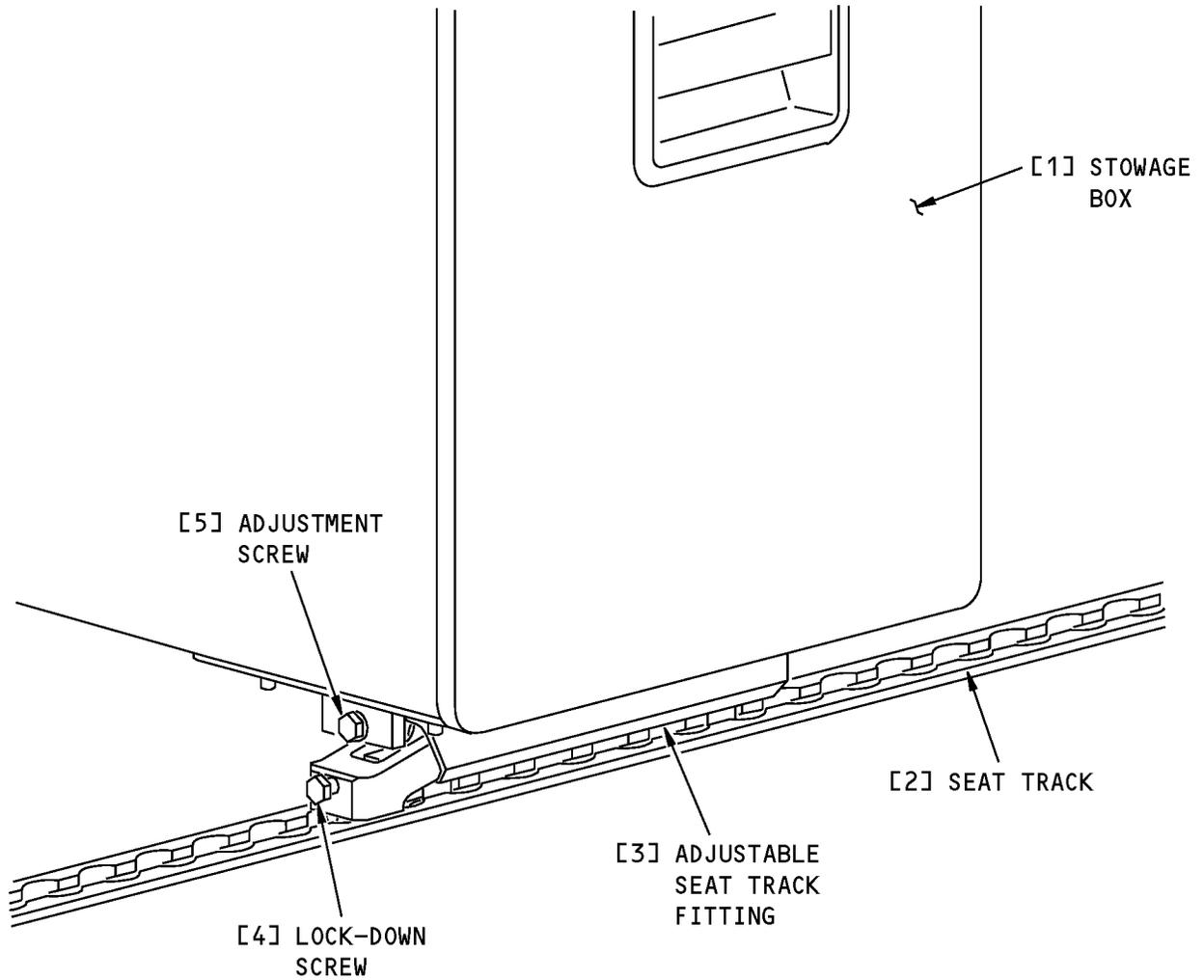
**737-600/700/800/900
AIRCRAFT MAINTENANCE MANUAL**



**Floor-Mounted Stowage Box Installation
Figure 401 (Sheet 2 of 4)/25-24-51-990-801**

EFFECTIVITY
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FLOOR ATTACHMENT

(B)

**Floor-Mounted Stowage Box Installation
Figure 401 (Sheet 3 of 4)/25-24-51-990-801**

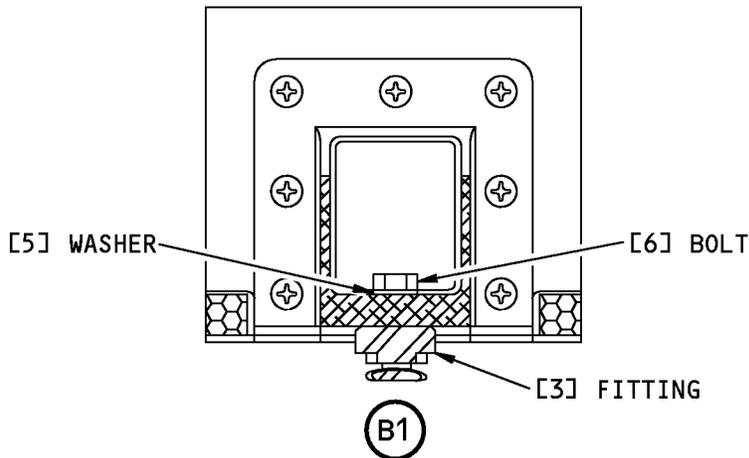
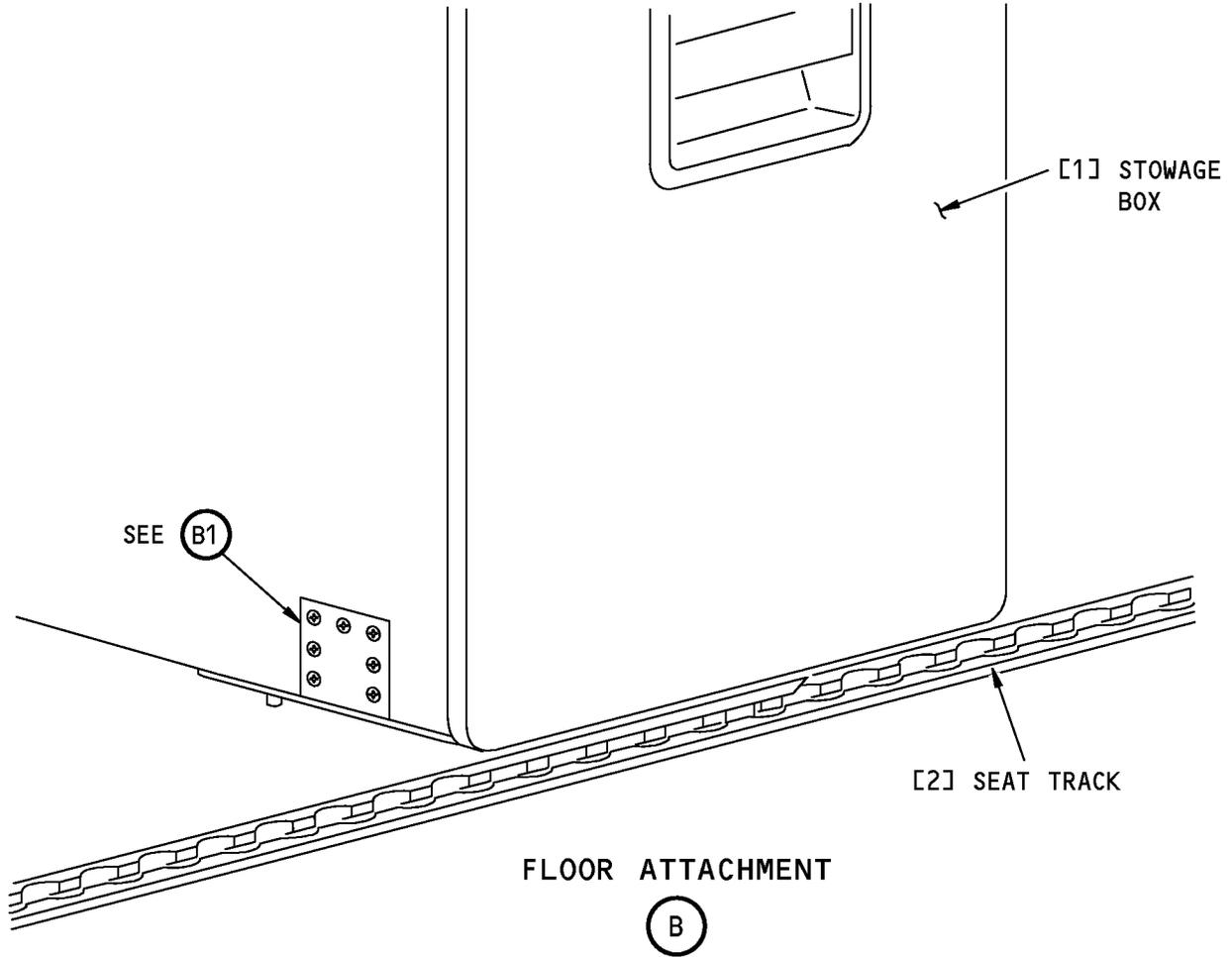
EFFECTIVITY
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1454363 S0000262329_V3

**Floor-Mounted Storage Box Installation
Figure 401 (Sheet 4 of 4)/25-24-51-990-801**

EFFECTIVITY
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OUTBOARD STOWAGE CLOSET - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) Outboard Stowage Closet Removal
- (2) Outboard Stowage Closet Installation.

TASK 25-24-77-000-801

2. Outboard Stowage Closet Removal

NOTE: See Figure 401

A. References

Reference	Title
23-32-02-000-801-001	Video System Control Unit Removal (P/B 401)
25-22-00-000-801	Passenger Seat Removal (P/B 401)
25-24-10-000-801	Fixed Class Divider Header Removal (P/B 401)
25-24-31-020-801	Overhead Stowage Bin Removal (P/B 401)

B. Location Zones

Zone	Area
231	Forward Passenger Compartment - Forward Entry Door to Sta 663.75 - Left

C. Prepare for the Procedure

SUBTASK 25-24-77-010-001

- (1) If necessary, do this task: Overhead Stowage Bin Removal, TASK 25-24-31-020-801.

SUBTASK 25-24-77-010-002

- (2) If necessary, do this task: Fixed Class Divider Header Removal, TASK 25-24-10-000-801.

SUBTASK 25-24-77-010-003

- (3) If necessary, to get better access to the floor attachments, do this task: Passenger Seat Removal, TASK 25-22-00-000-801.

SUBTASK 25-24-77-000-005

- (4) For closets with a video control center; do this task: Video System Control Unit Removal, TASK 23-32-02-000-801-001.

SUBTASK 25-24-77-010-004

- (5) Remove the closeout seal from the top and sides of the closet.

D. Outboard Closet Removal

SUBTASK 25-24-77-020-001

- (1) Do the steps that follow to disconnect the top of the closet:

- (a) If necessary disconnect the electrical connector [1].

SUBTASK 25-24-77-030-001

- (2) Do the applicable steps that follow to disconnect the floor attachments for the closet:

- (a) Remove the seat track fitting cover plates [8].
- (b) On seat track fittings [9] with bolts [2], remove the bolts [2], washers [3], washers [4], or bushings [5] that attach the closet to the seat track fitting [9].

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- 1) Keep the bolts [2], washers [3], washers [4], and bushings [5] for the installation of the closet.
- (c) On seat track fittings [9] with nuts [14], remove the nuts [14] and washers [3] that attach the closet to the seat track fitting [9].

SUBTASK 25-24-77-020-002

- (3) Remove the closet.
 - (a) If necessary, remove the spacer [6] from above the seat track fitting [9] and save for the installation of the closet.

SUBTASK 25-24-77-030-002

- (4) If necessary, do these steps that follow to remove the seat track fittings [9]:
 - (a) Remove the tape and filler from the seat track.
 - (b) Move the seat track fitting [9] forward or aft approximately 0.5 in. (1.3 cm) to align it with the circular openings in the seat track.
 - (c) Lift the seat track fitting [9] out of the seat track.

————— END OF TASK —————

TASK 25-24-77-400-801

3. Outboard Stowage Closet Installation

NOTE: See Figure 401

A. References

Reference	Title
23-32-02-400-801-001	Video System Control Unit Installation (P/B 401)
25-22-00-400-802	Passenger Seat Installation (P/B 401)
25-24-10-400-801	Fixed Class Divider Header Installation (P/B 401)
25-24-31-400-801	Overhead Stowage Bin Installation (P/B 401)

B. Consumable Materials

Reference	Description	Specification
C00528	Compound - Corrosion Preventive, Petroleum Hot Application (Soft Film)	MIL-C-11796, Class III

C. Location Zones

Zone	Area
231	Forward Passenger Compartment - Forward Entry Door to Sta 663.75 - Left

D. Outboard Closet Installation

SUBTASK 25-24-77-420-001

- (1) If necessary, do these steps to install the seat track fittings [9]:
 - (a) Remove the old moisture barrier seal from the seat track.
 - (b) Apply compound, C00528 on the seat track fitting [9].
 - (c) Put the seat track fitting [9] in the circular opening in the seat track.
 - (d) Move the seat track fitting [9] forward or aft 0.5 in. (1.3 cm) to lock it in the correct position for the installation.

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SUBTASK 25-24-77-430-001

(2) If necessary install the spacer [6] above the seat track fittings [9].

SUBTASK 25-24-77-820-001

(3) Align the closet with the seat track fittings [9].

SUBTASK 25-24-77-430-002

(4) On seat track fittings [9] with bolts [2], install the washers [3], washers [4], or bushings [5], and bolts [2] to attach the closet to the seat track fitting [9].

(a) Tighten all the bolts [2].

(b) Torque all the bolts [2] to 155 ± 25 in-lb (17.5 ± 2.8 N·m).

SUBTASK 25-24-77-400-003

(5) On seat track fittings [9] with nuts [14], install the washers [3] and nut [14] to attach the closet to the seat track fittings [9].

(a) Tighten all the nuts [14] to 200 ± 40 in-lb (22.6 ± 4.5 N·m)

SUBTASK 25-24-77-400-001

(6) Do these steps to prevent corrosion

(a) Apply seat track filler in the the seat track around the seat track fitting.

(b) Apply a new moisture barrier seal with a cutout for the seat track fitting.

SUBTASK 25-24-77-410-004

(7) If the closet or partition has a tie rod, do these steps:

(a) If the tie rod [10] is not installed, connect the tie rod [10] to the overhead structure rail.

(b) Adjust the tie rod [10] end fitting, as required, to help install the tie rod [10].

NOTE: Do not adjust either end fitting past the witness hole.

(c) Remove the lockwire on either end of the tie rod [10] if more adjustment is necessary.

(d) Tighten the tie rod [10] jam nut when adjustments are complete.

(e) If necessary, install a lockwire to the ends of the tie rod [10].

SUBTASK 25-24-77-430-003

(8) If necessary, install the cover plates [8] to the bottom of the closet.

SUBTASK 25-24-77-430-004

(9) If necessary, connect the electrical connector [1].

E. Put the Airplane Back to Its Usual Condition

SUBTASK 25-24-77-390-001

(1) Install the closeout seal to the top and sides of the closet.

SUBTASK 25-24-77-410-001

(2) If necessary, do this task: Passenger Seat Installation, TASK 25-22-00-400-802.

SUBTASK 25-24-77-410-002

(3) If necessary, do this task: Fixed Class Divider Header Installation, TASK 25-24-10-400-801.

SUBTASK 25-24-77-410-003

(4) If necessary, do this task: Overhead Stowage Bin Installation, TASK 25-24-31-400-801.

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SUBTASK 25-24-77-400-009

- (5) For closets with a video control center; do this task: Video System Control Unit Installation, TASK 23-32-02-400-801-001.

————— **END OF TASK** —————

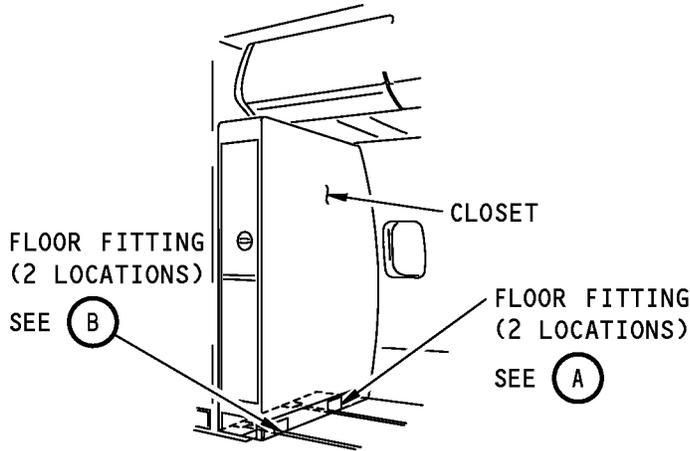
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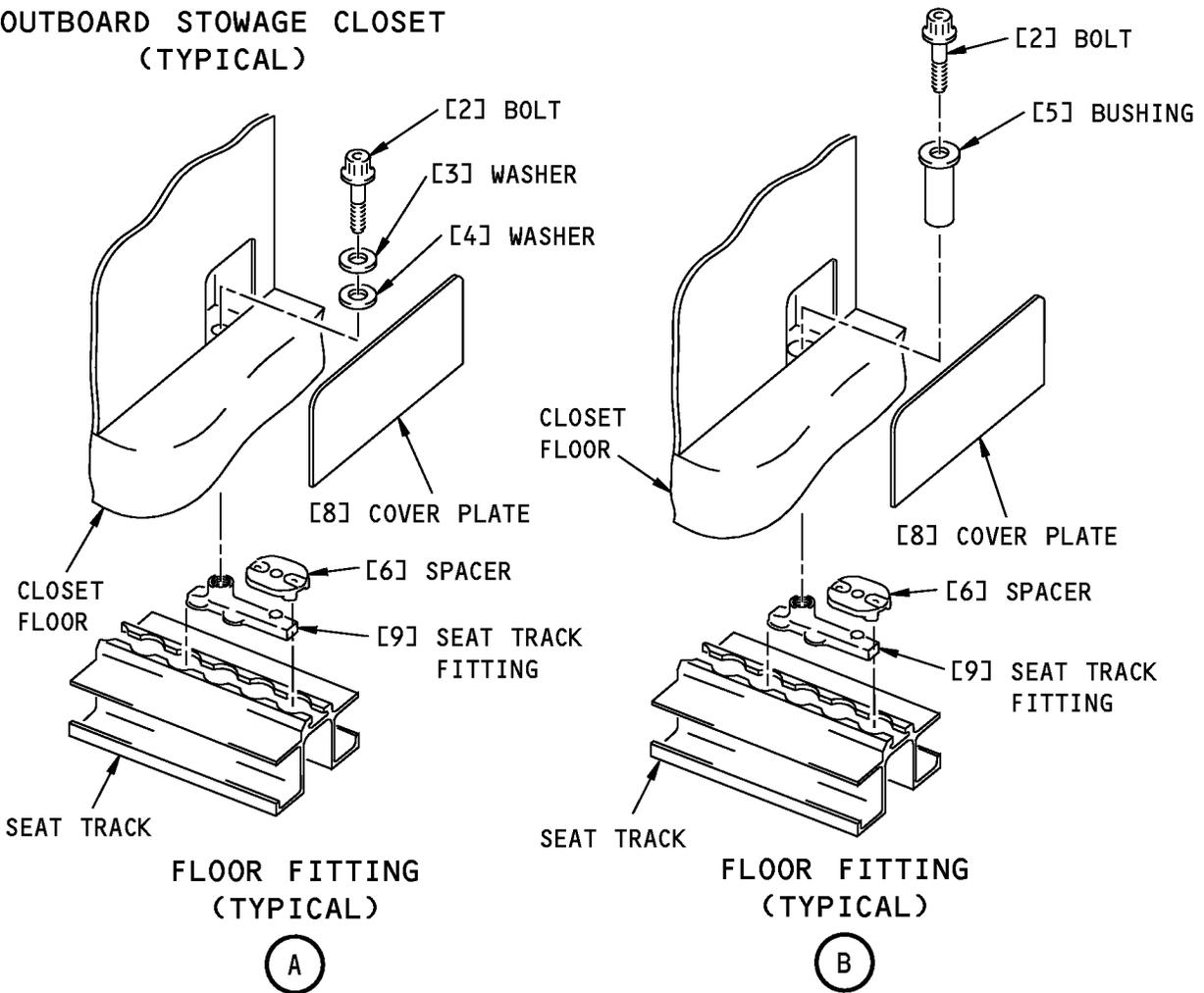
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**OUTBOARD STORAGE CLOSET
(TYPICAL)**



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**Outboard Stowage Closet Installation
Figure 401/25-24-77-990-802**

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AIRCRAFT MAINTENANCE MANUAL

FORWARD/AFT ATTENDANT'S PANEL AND COMPONENTS - REMOVAL/INSTALLATION

1. General

- A. This procedure contains the following tasks:
 - (1) The removal of the attendant's panel and components.
 - (2) The installation of the attendant's panel and components.
- B. These tasks are applicable to the forward and the aft attendant's panels.
- C. When the attendant's panel is removed the emergency lighting will come on. This will drain the emergency lighting battery packs in approximately 10-15 minutes. These battery packs must be recharged before the airplane can be released for flight. If there is not enough time to recharge the emergency battery packs, do the steps to keep the emergency lights off.

TASK 25-25-11-000-801

2. Attendant's Panel and Components Removal

(Figure 401)

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Procedure

SUBTASK 25-25-11-020-005

- (1) Do these steps to turn the emergency lights off if you do not have enough time to recharge the emergency lights battery pack before you dispatch the airplane.
 - (a) Make sure that these circuit breakers are closed:

CAPT Electrical System Panel, P18-3

Row	Col	Number	Name
A	10	C01357	PASSENGER CABIN LIGHTING EMER CHGR L AFT
A	11	C00250	PASSENGER CABIN LIGHTING EMER CHGR FWD
B	10	C01358	PASSENGER CABIN LIGHTING EMER CHGR R AFT

- (b) Put the Emergency Lighting Control Switch located on the flight deck P5 overhead panel into the ARM position.
- (c) Make sure the Emergency Lighting System Control Switch located on the attendant panel is in the NORMAL position.

SUBTASK 25-25-11-020-001

CAUTION: DO NOT TOUCH THE CONNECTOR PINS OR OTHER CONDUCTORS ON THE ATTENDANT'S PANEL. IF YOU TOUCH THESE CONDUCTORS, ELECTROSTATIC DISCHARGE CAN CAUSE DAMAGE TO THE ATTENDANT'S PANEL.

- (2) Remove the forward or aft attendant's panel [1]:
 - (a) Open these circuit breakers and install safety tags:

CAPT Electrical System Panel, P18-3

Row	Col	Number	Name
A	9	C00073	PASSENGER CABIN CREW CALL
D	19	C01423	VACUUM WASTE

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F/O Electrical System Panel, P6-1

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
HAP 009, 015-026, 028-054, 101-999; HAP 001-008, 010-013 POST SB 737-23-1139			

C	6	C01583	ENTERTAINMENT PA SYS BAT
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C	8	C01456	ENTERTAINMENT AUDIO
D	4	C00082	COMMUNICATIONS PA AMPL BAT

F/O Electrical System Panel, P6-2

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	21	C00084	INTPH AND WARN

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
C	1	C01350	THRSH LT
C	3	C00140	WORK & THRSH LT
C	9	C00138	WATER QTY IND

HAP 001-013, 015-026, 028-036

E	10	C00413	BRT ENTRY LT
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HAP 037-054, 101-999

E	11	C00413	BRT ENTRY LT
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- (b) Remove the screws [2] from the angle brackets that attach to the bottom of the attendant's panel [1].
- (c) Move the attendant's panel [1] approximately 1/2 inch (12.7 mm) to its right and pull the panel [1] straight out from the shoulder screws until you can disconnect the electrical connectors from the back of the panel [1].
 - 1) Disconnect the electrical connectors.
- (d) Remove the attendant's panel [1].
- (e) Put protective covers on the electrical connectors.

SUBTASK 25-25-11-020-003

- (3) If you will replace the chassis assembly with the backplane (the panel without the modules), do the steps that follow:

- (a) Remove all of the applicable modules from the attendant's panel:

NOTE: Make a note of the position of each module.

- 1) Lighting Module
- 2) Electrical Power Module
- 3) Potable Water Module
- 4) Vacuum Waste Module
- 5) Airstair Control Module
- 6) Emergency Evacuation Module
- 7) Entertainment Module
- 8) PA Zone Control Module
- 9) Cabin Temp Control Module

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10) Smoke Detector Module

————— END OF TASK —————

TASK 25-25-11-400-801

3. Attendant's Panel and Components Installation

(Figure 401)

A. References

Reference	Title
33-20-00-710-801-001	Passenger Compartment Lights - Operational Test (P/B 501)

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-25-11-420-002

(1) If you will replace the chassis assembly with the backplane (the panel without the modules), do the steps that follow:

(a) Install the applicable modules in the attendant's panel subassembly.

NOTE: Put the modules in the positions that you noted when they were removed.

- 1) Lighting Module
- 2) Electrical Power Module
- 3) Potable Water Module
- 4) Vacuum Waste Module
- 5) Airstair Control Module
- 6) Emergency Evacuation Module
- 7) Entertainment Module
- 8) PA Zone Control Module
- 9) Cabin Temp Control Module
- 10) Smoke Detector Module

SUBTASK 25-25-11-420-001

CAUTION: DO NOT TOUCH THE CONNECTOR PINS OR OTHER CONDUCTORS ON THE ATTENDANT'S PANEL. IF YOU TOUCH THESE CONDUCTORS, ELECTROSTATIC DISCHARGE CAN CAUSE DAMAGE TO THE ATTENDANT'S PANEL.

(2) Install the forward or aft attendant's panel [1]:

- (a) Remove the protective covers from the electrical connectors, if they are installed.
- (b) Connect the electrical connectors to the back of the attendant's panel [1].
- (c) Put the attendant's panel [1] over the shoulder screws and move the panel [1] approximately 1/2 inch (12.7 mm) to the left.
- (d) Install the screws [2] in the angle brackets that attach to the bottom of the attendant's panel [1].

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(e) Remove the safety tags and close these circuit breakers:

CAPT Electrical System Panel, P18-3

Row	Col	Number	Name
A	9	C00073	PASSENGER CABIN CREW CALL
D	19	C01423	VACUUM WASTE

F/O Electrical System Panel, P6-1

Row	Col	Number	Name
HAP 009, 015-026, 028-054, 101-999; HAP 001-008, 010-013 POST SB 737-23-1139			

C	6	C01583	ENTERTAINMENT PA SYS BAT
HAP ALL			
C	8	C01456	ENTERTAINMENT AUDIO
D	4	C00082	COMMUNICATIONS PA AMPL BAT

F/O Electrical System Panel, P6-2

Row	Col	Number	Name
D	21	C00084	INTPH AND WARN

Power Distribution Panel Number 1, P91

Row	Col	Number	Name
C	1	C01350	THRSH LT
C	3	C00140	WORK & THRSH LT
C	9	C00138	WATER QTY IND

HAP 001-013, 015-026, 028-036			
E	10	C00413	BRT ENTRY LT
HAP 037-054, 101-999			
E	11	C00413	BRT ENTRY LT
HAP ALL			

SUBTASK 25-25-11-020-006

- (3) Do these steps to return the emergency lights system back to its normal configuration.
 - (a) Put the Emergency Lighting Control Switch located on the flight deck P5 overhead panel into the OFF position.

SUBTASK 25-25-11-710-002

- (4) Make sure each module is working correctly.

SUBTASK 25-25-11-710-001

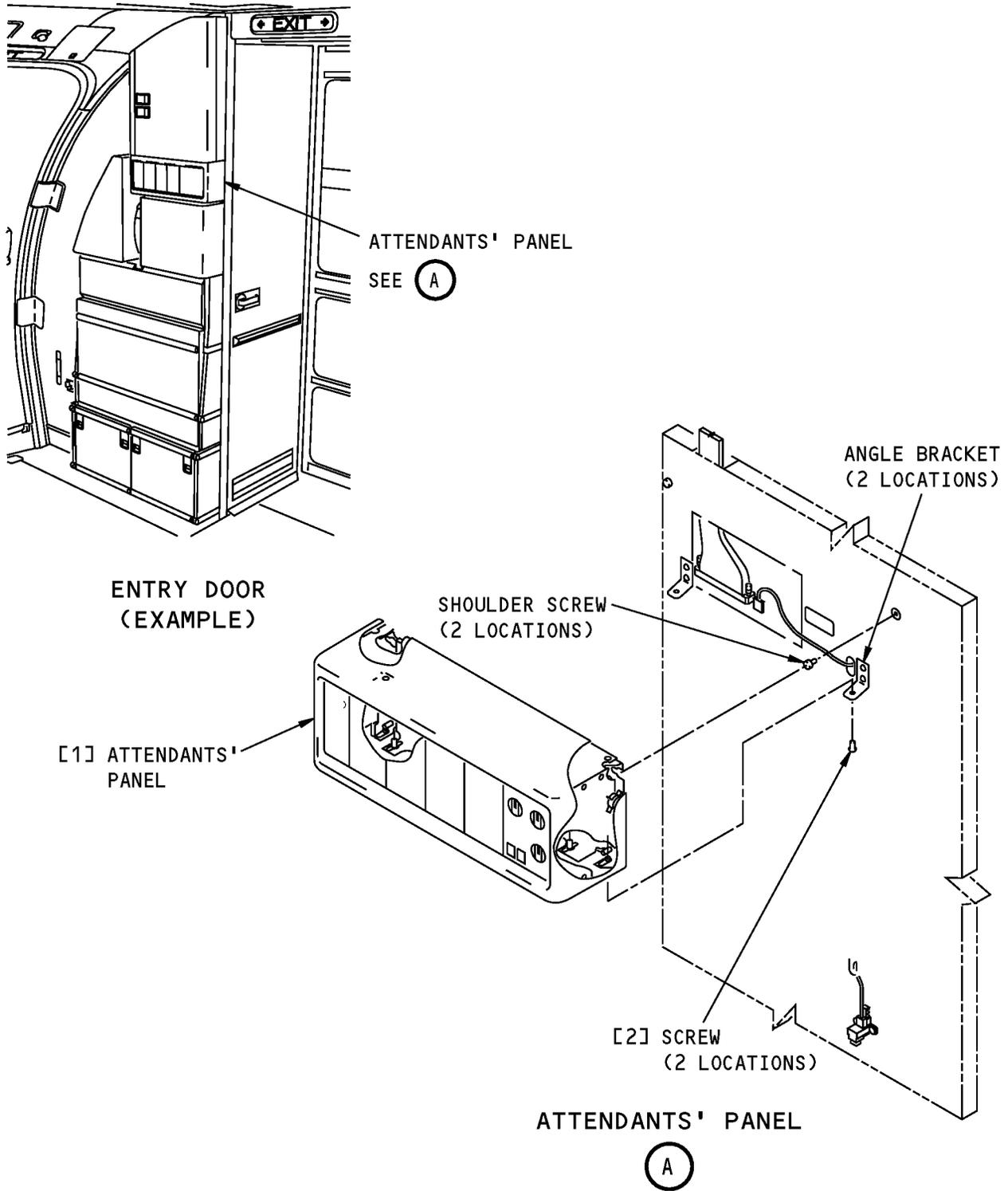
- (5) Do a test of the entry lights (TASK 33-20-00-710-801-001).

NOTE: Do only the applicable steps.

————— END OF TASK —————

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Attendants' Panel Installation
Figure 401/25-25-11-990-802

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CABIN ATTENDANTS' SEAT - REMOVAL/INSTALLATION

1. General

A. This procedure contains the following tasks:

- (1) The removal of the attendants' seats.
- (2) The installation of the attendants' seat.

TASK 25-25-12-000-801

2. Attendants' Seat Removal

(Figure 401)

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Procedure

SUBTASK 25-25-12-020-001

(1) Remove the headrest [4]. To remove it, pull on it. It is attached with hook and loop fasteners (Velcro).

- (a) Remove the mounting bolts [5] that attach the inertia reel bracket of the seat belt to the wall.

SUBTASK 25-25-12-020-002

(2) Open the storage compartment door below the seat and remove the mounting bolts [2].

SUBTASK 25-25-12-010-001

(3) Do these steps to open the lower seat back:

- (a) Open the seat pan a small distance.
- (b) Open the fabric flap that is between the lower seat back and the upper seat back. To open it, pull it away from the upper seat back. It is attached with hook and loop fasteners (Velcro).
- (c) Push the two latches on the lower seat back toward the center of the seat back.
- (d) Pull the seat back out and down.

SUBTASK 25-25-12-020-003

(4) Remove the mounting bolts [3] that are behind the lower seat back.

SUBTASK 25-25-12-020-004

(5) Remove the seat.

SUBTASK 25-25-12-869-001

(6) If installed, remove life vest located in the life vest container.

NOTE: N/A this step if seat is not being transported offsite. (This includes any mode of transportation)

SUBTASK 25-25-12-869-002

(7) Route seat to shop if necessary.

————— **END OF TASK** —————

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TASK 25-25-12-400-801

3. Attendants' Seat Installation

(Figure 401)

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Procedure

SUBTASK 25-25-12-420-001

(1) Put the seat in its position.

SUBTASK 25-25-12-420-002

(2) Open the storage compartment door below the seat and install the mounting bolts [2] and washers.

SUBTASK 25-25-12-010-002

(3) Do these steps to open the lower seat back:

(a) Open the seat pan a small distance.

(b) Open the fabric flap that is between the lower seat back and the upper seat back. To open it, pull it away from the upper seat back. It is attached with hook and loop fasteners (Velcro).

(c) Push the two latches on the lower seat back toward the center of the seat back.

(d) Pull the seat back out and down.

SUBTASK 25-25-12-420-003

(4) Install the mounting bolts [3] and washers that go behind the lower seat back.

SUBTASK 25-25-12-410-001

(5) Close the lower seat back.

SUBTASK 25-25-12-420-004

(6) Attach the inertia reel bracket of the seat belt to the wall with its bolts [5] and washers.

SUBTASK 25-25-12-420-005

(7) Install the headrest. It is attached with hook and loop fasteners (Velcro).

SUBTASK 25-25-12-869-003

(8) If required for overwater operation, install one each life vest in life vest container.

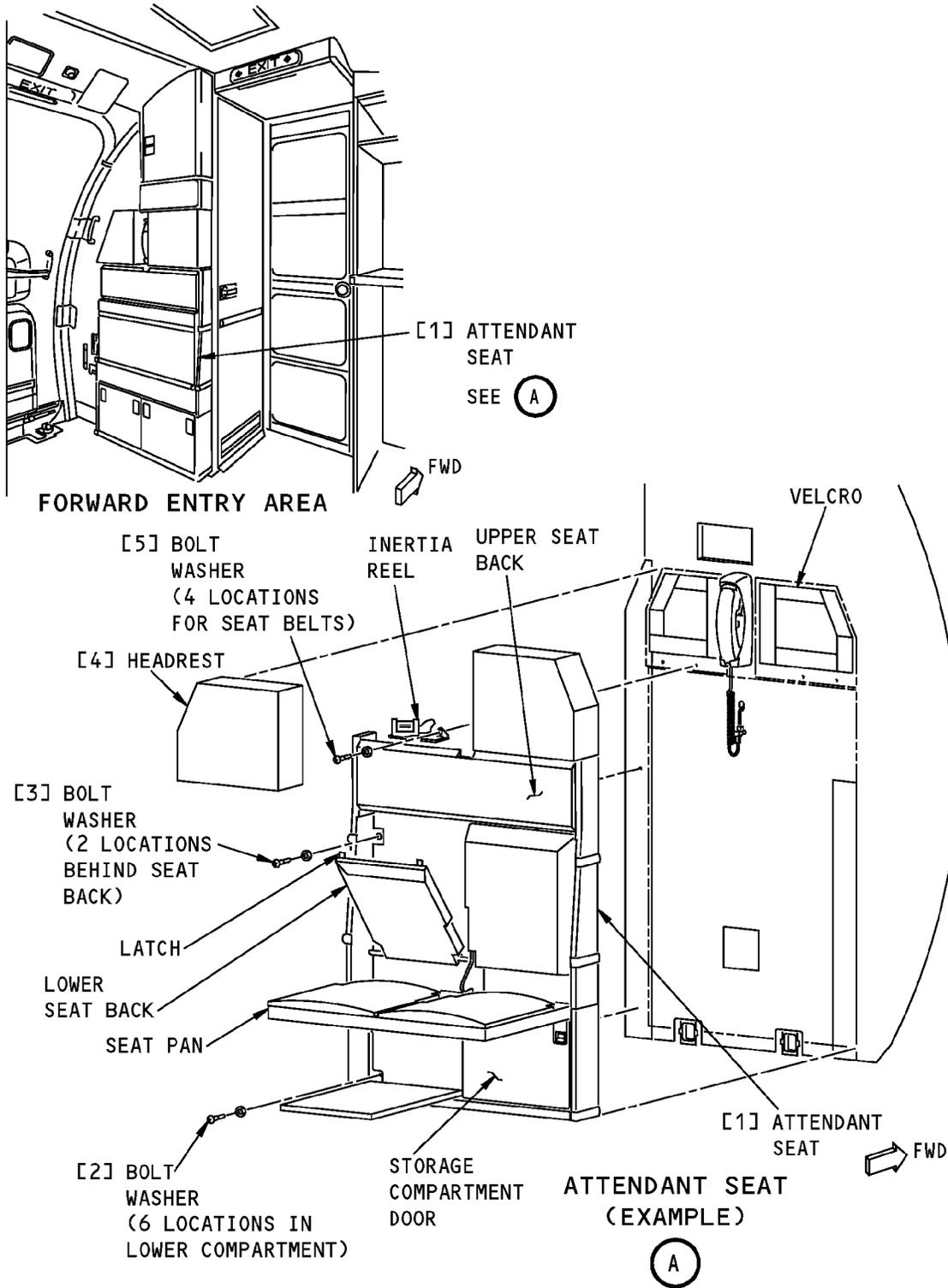
END OF TASK

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Cabin Attendant's Seat Installation
Figure 401/25-25-12-990-803

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CABIN ATTENDANTS' SEAT - INSPECTION/CHECK

1. General

- A. This procedure contains scheduled maintenance task data.
- B. This procedure contains the following tasks:
 - (1) An inspection of the attachment points for the attendants' seat and its seat belts.
 - (2) An operational check of the attendants' seat and its seat belts.

TASK 25-25-12-200-801

2. Attendants' Seat and Harness Attachment Inspection

Figure 601

A. General

- (1) This procedure is a scheduled maintenance task.

B. Location Zones

<u>Zone</u>	<u>Area</u>
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-25-12-210-001

- (1) Make sure the seat belts and the shoulder harness are not worn or damaged.

SUBTASK 25-25-12-210-002

- (2) Do these steps to examine the top mounting bolts [5] of the seat:
 - (a) Remove the headrest [4]. To remove it, pull on it. It is attached with hook and loop fasteners (Velcro).
 - (b) Make sure the mounting bolts [5] that attach the bracket for the inertia reels to the wall are not loose.
 - (c) Make sure the mounting bolts that attach the inertia reels of the shoulder harness to the bracket are not loose.
 - (d) Install the headrest.

SUBTASK 25-25-12-210-003

- (3) Do these steps to examine the middle mounting bolts of the seat:
 - (a) Do these steps to open the lower seat back:
 - 1) Open the seat pan a small distance.
 - 2) Open the fabric flap that is between the lower seat back and the upper seat back. To open it, pull it away from the upper seat back. It is attached with hook and loop fasteners (Velcro).
 - 3) Push the two latches on the lower seat back toward the center of the seat back.
 - 4) Pull the seat back out and down.
 - (b) Make sure the mounting bolts [3] that attach the seat to the wall are not loose.
 - (c) Close the lower seat back.

SUBTASK 25-25-12-210-004

- (4) Do these steps to examine the lower mounting bolts of the seat:
 - (a) Open the storage compartment door.
 - (b) Make sure the mounting bolts [2] that attach the seat to the wall are not loose.

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(c) Close the storage compartment door.

SUBTASK 25-25-12-210-005

- (5) Do these steps to examine the lower attachment points for the seat belts:
- (a) Pull the seat cushion away from the attachment points for the seat belts.
 - (b) Make sure the bolts are tight.
 - (c) Make sure the seat pan has no obvious cracks.

————— **END OF TASK** —————

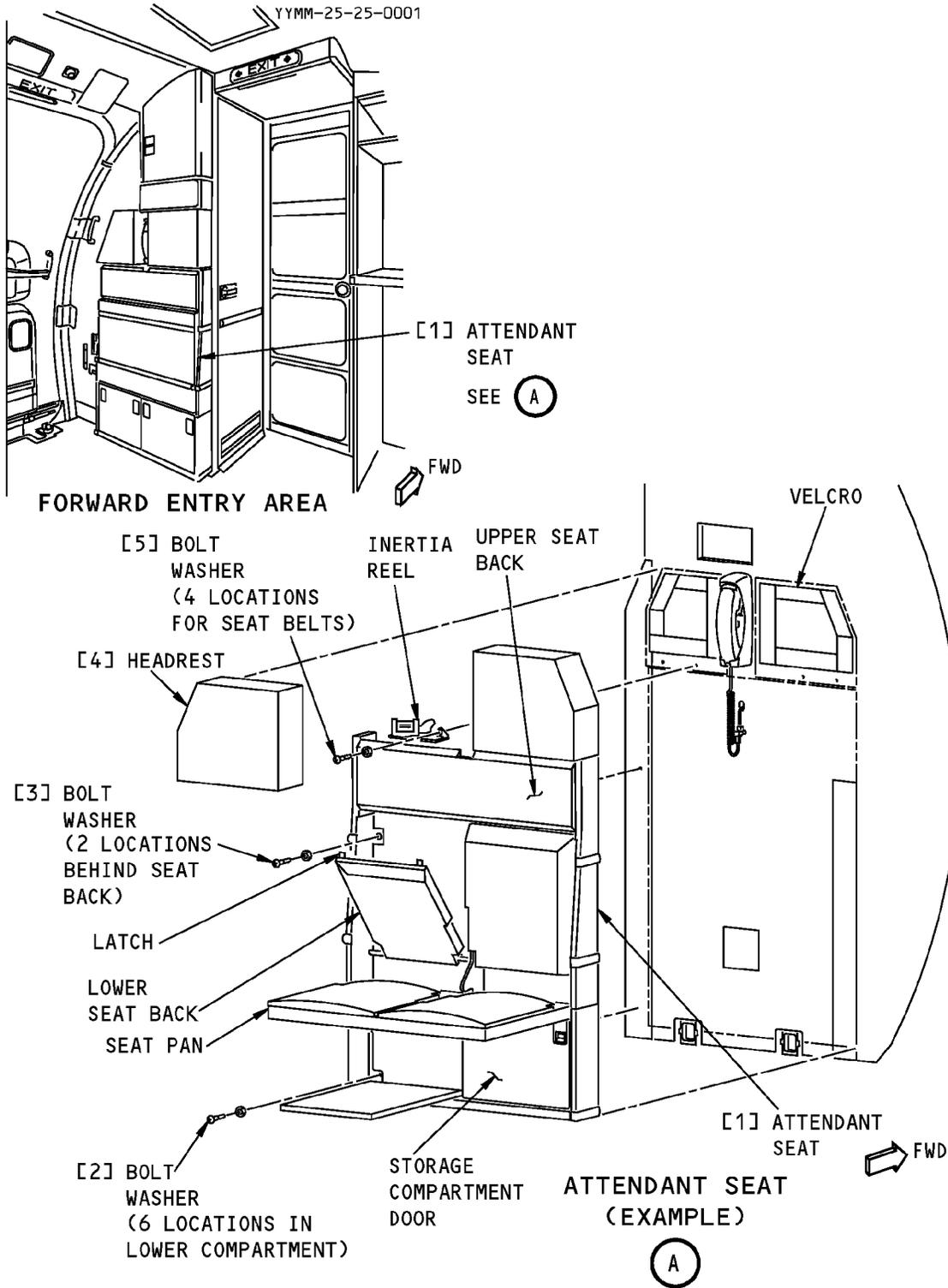
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Cabin Attendant's Seat Inspection/Check
Figure 601/25-25-12-990-804

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TASK 25-25-12-710-801

3. Attendants' Seat Bottom Check

(Figure 601)

A. General

- (1) This procedure is a scheduled maintenance task.
- (2) This task is an inspection of the attendants' seat bottom, referred to in this procedure as the seat pan.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-25-12-710-001

- (1) Push the seat pan fully down (open) and release it. Make sure the seat pan retracts to its fully up (closed) position without aid.

SUBTASK 25-25-12-210-006

- (2) Do these steps to examine the pivot points of the seat pan:
 - (a) Open the seat pan.
 - (b) Hold the seat pan near its back corner and shake the seat pan to make sure it is not loose.
 - (c) Make sure the seat pan has no obvious cracks.

————— END OF TASK —————

TASK 25-25-12-710-802

4. Inertia Reel, Attendants' Seat Harness, Operational Check

(Figure 601)

A. General

- (1) This procedure is a scheduled maintenance task.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-25-12-710-002

- (1) Do these steps to make sure the shoulder harnesses operate correctly:
 - (a) Pull the shoulder harness out approximately half way.
 - (b) Pull suddenly on the shoulder harness.
 - 1) Make sure the shoulder harness locks and does not extend the full length of the strap.
 - (c) Release the shoulder harness.
 - 1) Make sure the shoulder harness retracts.

————— END OF TASK —————

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AIRCRAFT MAINTENANCE MANUAL

CARPETS - REMOVAL/INSTALLATION

1. General

A. This procedure contains two tasks:

- (1) The removal of the carpet.
- (2) The installation of the carpet.

TASK 25-27-15-000-801

2. Carpet Removal

(Figure 401)

A. Consumable Materials

Reference	Description	Specification
B00130	Alcohol - Isopropyl	TT-I-735
B00634	Solvent - Stabilized Limonene Cleaner	BMS11-10 Type 1, 2, or 3
B50003	Solvent - Cleaning - HFE 71DE	BAC5402
B50005	Solvent - Cleaning - Vertrel MCA	BAC5402
G01288	Tape - Carpet	BMS5-133

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

NOTE: The carpets that are over an access panel in the floor are identified with a push stud fastener (a snap).

SUBTASK 25-27-15-020-001

- (1) Remove the track covers if it is applicable.

SUBTASK 25-27-15-020-002

- (2) Pull the carpet edges back from the tape, G01288 on the cabin floor.

SUBTASK 25-27-15-020-003

- (3) Pull the carpet free from the tape, G01288 and remove the carpet.

SUBTASK 25-27-15-020-004

- (4) Remove and discard the old tape, G01288 from the floor.

SUBTASK 25-27-15-020-007

CAUTION: BE CAREFUL WHEN YOU REMOVE ADHESIVE FROM THE FLOOR PANEL SURFACES. DAMAGE TO THE FLOOR PANEL CAN OCCUR.

- (5) If adhesive stays on the floor, use a scraper to remove most of the adhesive.

SUBTASK 25-27-15-100-001

- (6) Remove the remaining adhesive and clean the floor panel surface with one of these solvents:

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WARNING: DO NOT GET ALCOHOL IN YOUR MOUTH, EYES, OR ON YOUR SKIN. PUT ON A RESPIRATOR, GOGGLES, AND GLOVES. DO NOT BREATHE THE FUMES. KEEP ALCOHOL AWAY FROM SPARKS, FLAME, AND HEAT. MAKE SURE THAT THERE IS SUFFICIENT AIR FLOW IN THE WORK AREA. ALCOHOL IS POISONOUS AND FLAMMABLE. YOU CAN ABSORB POISONOUS MATERIALS FROM THE ALCOHOL THROUGH YOUR SKIN. IT CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

(a) Isopropyl alcohol, B00130 (IPA) :

- 1) Make sure that the area where you will use this solvent has good air flow, and remove ignition sources.

NOTE: This solvent has a high flash point and is a lower risk. It can be safely used with the usual precautions with electrical power on the airplane.

(b) Vertrel MCA solvent, B50005 or HFE 71DE solvent, B50003

(c) Limonene solvent, B00634

NOTE: These solvents are not flammable.

————— **END OF TASK** —————

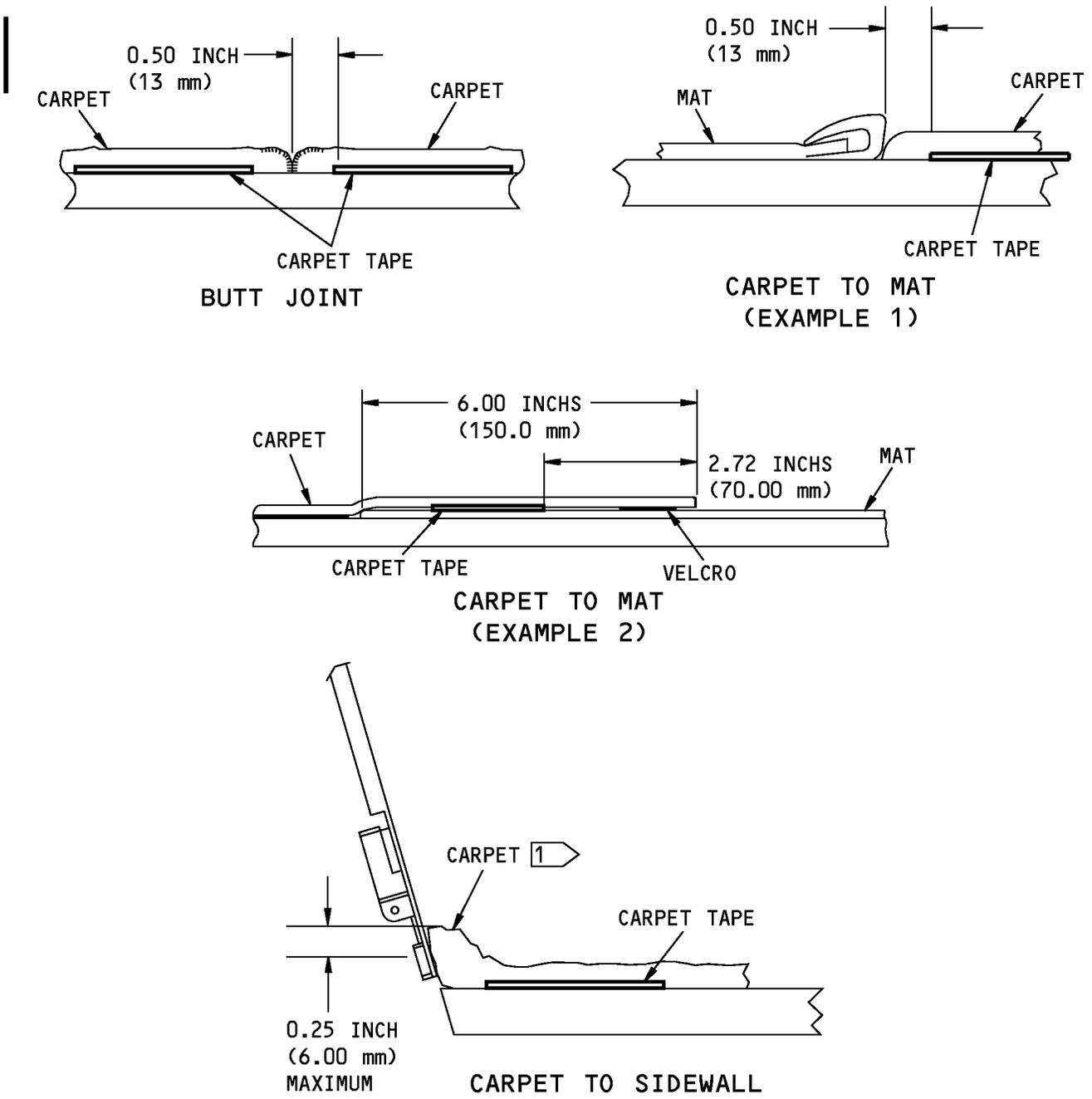
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1 THIS CARPET MAY EXTEND UP THE SIDEWALL A MAXIMUM OF 0.25 INCH (6mm).
DO NOT PUT THE CARPET UNDER THE EDGE OF THE AIR GRILL.

G16825 S0006567042_V2

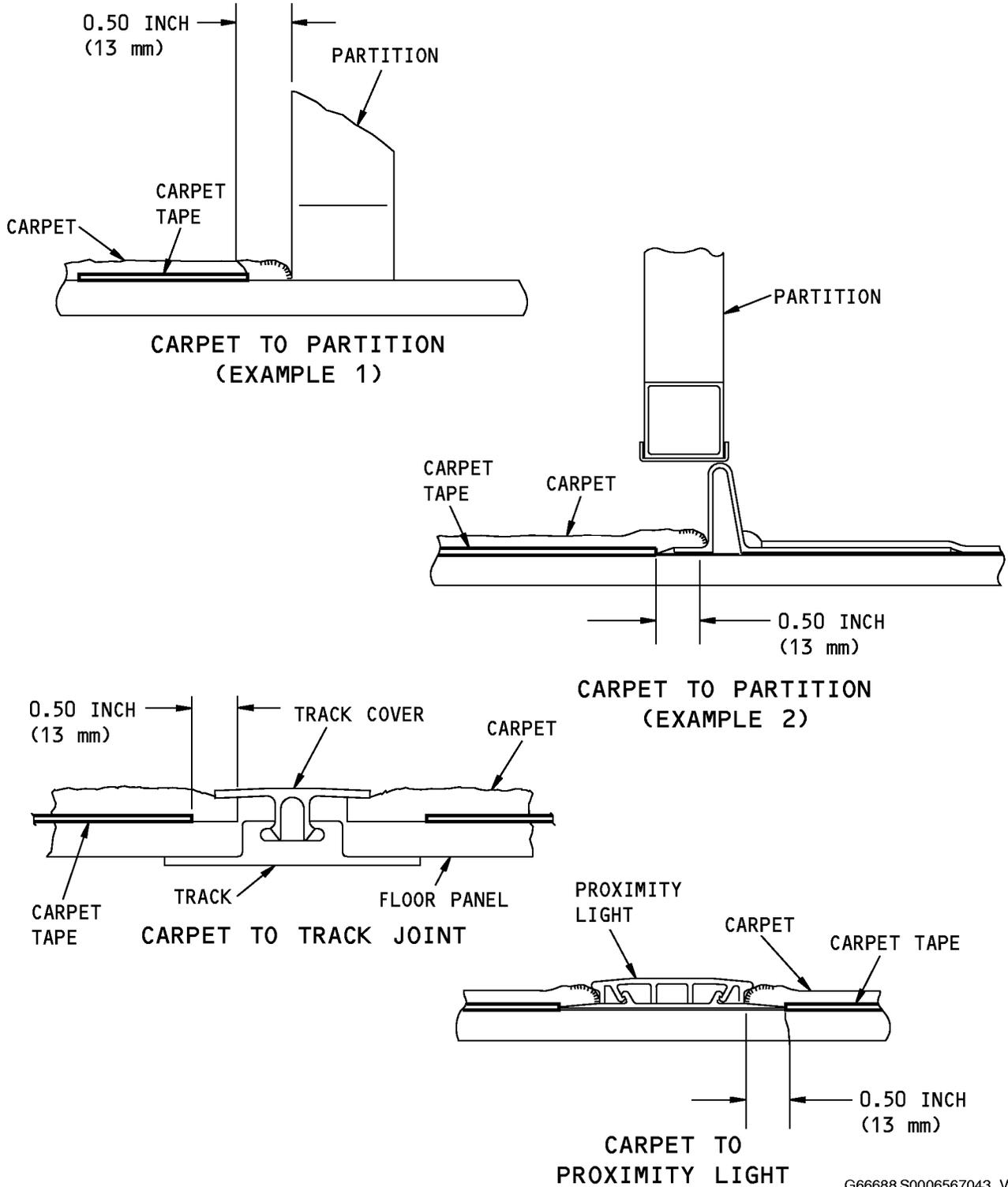
**Carpet Installation
Figure 401 (Sheet 1 of 2)/25-27-15-990-801**

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G66688 S0006567043_V2

Carpet Installation
Figure 401 (Sheet 2 of 2)/25-27-15-990-801

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TASK 25-27-15-400-801

3. Carpet Installation

(Figure 401)

A. Consumable Materials

Reference	Description	Specification
G01288	Tape - Carpet	BMS5-133
G50242	Fluid - Anti-Static, Nilodor Anti-Stat Static Relief (P/N C275-005)	

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-27-15-420-001

- (1) Apply new tape, G01288, around the edges of the carpet segments. Put it approximately 0.5 inches (13 mm) from the edge of the carpet.

SUBTASK 25-27-15-420-002

- (2) Apply tape, G01288, down the middle along the length of the aisle carpet.

SUBTASK 25-27-15-420-003

- (3) Install the carpet in its position.

SUBTASK 25-27-15-420-005

- (4) Apply the antistatic spray Nilodor Anti-Stat Fluid, G50242 to the carpet per the manufacturer's instructions.

SUBTASK 25-27-15-420-004

- (5) Install the seat track covers between the seats if applicable.

————— END OF TASK —————

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AIRCRAFT MAINTENANCE MANUAL

ENTRY AND SERVICE AREA FLOOR COVERING - REMOVAL/INSTALLATION

1. General

- A. A standard and an alternate method is approved for use on all mat installations.
- B. This procedure contains these tasks:
 - (1) Entry and Service Area Floor Covering Removal,
 - (2) Entry and Service Area Floor Covering Installation.

TASK 25-27-21-000-801

2. Entry and Service Area Floor Covering Removal

(Figure 401)

A. Consumable Materials

Reference	Description	Specification
G00088	Fabric, General Purpose, Rigid, Fire Retarded, Glass Fabric Reinforced Plastic Sheeting	BMS8-2

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-27-21-000-001

(1)

STANDARD METHOD; Entry Area Mat Removal:

- (a) Remove the retainer plate from the edge of the mat.
- (b) Remove or loosen the threshold if it is necessary to release the mats.

SUBTASK 25-27-21-000-002

(2) Remove the Entry and Service Area Floor Covering

- (a) Release the mat from the edge retainers.
- (b) Remove the sealant around the mat, if necessary.
- (c) Release the mat from the tape that holds the mat to the waterseal.

NOTE: Be careful to prevent damage to the waterseal.

(d) Do the steps that follow to remove the waterseal if you replace the entire area:

- 1) Pull the strips of polyurethane tape from the floor.
- 2) Remove fillet seal from the edges of the sidewall.

SUBTASK 25-27-21-000-003

(3)

ALTERNATE METHOD; Entry Area Mat Removal:

- (a) Remove the fasteners from the doorway retainer and the flight deck threshold.
- (b) Remove or loosen the doorway retainer and the flight deck threshold to release the mats.

CAUTION: DAMAGE CAN OCCUR TO THE WATERSEAL WHEN USING A SKIN WEDGE OR EQUIVALENT.

- 1) Do this step to: Remove the plastic aisle threshold, if necessary.

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a) Use a skin wedge or equivalent to remove the threshold from the double-back tape.

SUBTASK 25-27-21-000-004

(4) Do these steps, when Entry and Service Area Floor Covering with monuments is installed:

- (a) Separate the edge of the mat from the tape.
- (b) Remove the sealant around the mat, if necessary.
- (c) Pull the mat upward from the tape and toward the monument wall.

NOTE: This area is where the mat will be trimmed.

(d) Put a protective strip fabric, G00088 or equivalent between the waterseal and the mat.

NOTE: The waterseal can be damaged if the fabric, G00088 or equivalent is not used to protect it.

CAUTION: WHEN CUTTING THE MAT DO NOT DAMAGE THE WATERSEAL.

(e) Cut the mat adjacent to the monument walls.

NOTE: This is to start the mat removal.

(f) Release the rest of the mat and pull from under the monument wall.

SUBTASK 25-27-21-000-005

(5) Do these steps that follow to remove the waterseal if you replace the entire area:

- (a) Pull the strips of polyurethane tape from the floor.
- (b) Remove the fillet seal from the edges of the sidewall, if necessary.

————— **END OF TASK** —————

TASK 25-27-21-400-801

3. Entry and Service Area Floor Covering Installation

(Figure 401)

A. References

Reference	Title
20-30-31-910-801	Cleaners and Polishes (P/B 201)
53-21-11-300-801	Vinyl Water Barrier Repair (P/B 801)
SRM 51-20-01	Structural Repair Manual

B. Consumable Materials

Reference	Description	Specification
A00027	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010, Type 60
A00247	Sealant - Pressure And Environmental - Chromate Type	BMS 5-95
A00930	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010, Type 109
B01011	Solvent - Final Cleaning Of Composites Prior To Non-Structural Bonding (AMM 20-30-91/201) - Series 91	
G00034	Cotton Wiper - Process Cleaning Absorbent Wiper (Cheesecloth, Gauze)	BMS15-5
G01288	Tape - Carpet	BMS5-133
G02423	Tape - Moisture Barrier - 3 Feet Wide - 3M 8663	

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(Continued)

Reference	Description	Specification
G02500	Tape - Moisture Barrier - 4 inch Wide - 3M 8663DL	

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Prepare for the installation

SUBTASK 25-27-21-840-001

WARNING: DO NOT APPLY SOLVENTS BY AIR SPRAY AND DO NOT KEEP SOLVENTS IN OPEN CONTAINERS.

WARNING: SOLVENT MATERIALS USED IN CLEANING CONTAIN TOXIC INGREDIENTS. AVOID CONTACT OF THESE MATERIALS WITH SKIN OR EYES. USE WITH ADEQUATE VENTILATION OR RESPIRATOR MASKS. WEAR PROTECTIVE GLOVES WHEN USING SOLVENTS AND CLEANERS. CONSULT THE APPLICABLE HEALTH AND SAFETY REGULATIONS FOR FURTHER PRECAUTIONS.

- (1) Prepare the waterseal surface for the mat if the waterseal has not been removed and replaced.
 - (a) Examine the waterseal for cuts, tears abrasions or other signs of deterioration.
 - (b) Repair the waterseal if it is necessary (TASK 53-21-11-300-801).
 - (c) Clean the waterseal with an oil-free cotton wiper, G00034, moistened with Series 91 solvent, B01011, if it is necessary.
 - (d) Clean the sealant from the edge retainers.
 - 1) Do not let the solvent get on the waterseal or on the undisturbed sealant.

SUBTASK 25-27-21-840-002

- (2) Prepare the floor panels for the waterseal if the waterseal has been removed.
 - (a) Clean the floor panels:
 - 1) Apply Series 91 solvent, B01011 with a clean oil-free cotton wiper, G00034.
 - 2) Rub the surface to remove the soil.
 - 3) Use a clean cotton wiper, G00034, to remove the Series 91 solvent, B01011 before it evaporates.
 - (b) Protect the floor tracks from corrosion (SRM 51-20-01).
 - (c) After you clean the floor panels do not get them dirty before you apply the waterseal.

E. Procedure

SUBTASK 25-27-21-420-001

- (1) Do these steps to install the waterseal if it is necessary:

CAUTION: DO NOT CUT TAPE AGAINST FLOOR PANELS, SEAT TRACKS, ATTACHMENT FITTINGS OR TAPE APPLIED ON THE FLOOR.

- (a) Apply 3M 8663 tape, G02423, across the entire area perpendicular to the center line of the airplane.
 - NOTE:** Make sure there is a minimum of a one-inch (25.4 mm) overlap of each strip.
- (b) Push the tape down firmly in all areas.
- (c) Apply 3M 8663DL tape, G02500, across each overlap joint, centered over the overlap.

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- (d) Apply sealant, A00247 to the edges, cracks and small holes to make sure the waterseal and the adjacent structure has a complete seal.

SUBTASK 25-27-21-420-006

(2)

STANDARD METHOD; Entry Area Mat Installation:

- (a) Install the entry monuments as necessary.

NOTE: The galleys, lavatories and partitions that border the sides of the entry mat must be installed before the mat.

- (b) Cut the mat to the correct size.

- (c) Apply tape, G01288, 6.0 inches (15.24 cm) wide, on the floor surface leaving no gaps. Keep the tape at least 0.25 inches (6.35 mm) and no more than 0.50 inches (12.7 mm) from the mat edges.

NOTE: Avoid running the tape over the raised areas and floor panel inserts. The direction of the tape is optional.

- (d) Apply adhesive, A00930, for faying surfaces on the trim as well as sealing all the cracks and small holes.

NOTE: adhesive, A00027 is optional to adhesive, A00930.

- (e) Put the mat in the correct location and push firmly on the tape.

- (f) Apply adhesive, A00930, at least 0.25 inches (6.35 mm) and no more than 0.35 inches (8.89 mm) wide, between the edge of the mat and the floor panel.

NOTE: adhesive, A00027 is optional to adhesive, A00930.

- (g) Put the edges in the edge retainers before the sealant starts to get hard.

SUBTASK 25-27-21-420-002

(3)

ALTERNATE METHOD; Entry Area Mat Installation:

- (a) Do these steps to cut the mat to the correct size:

- 1) Precut a slit, centered between the monument walls, if necessary.

NOTE: Use the template or remove mat as a pattern to precut the new mat.

NOTE: Cutting a slit in the mat prepares the mat for future removal.

- 2) Cut the mat to extend 0.15 - 0.35 inches (3.81 - 8.89 mm) past the galley walls.

NOTE: The mat will be located under the galley wall and the foam seals.

NOTE: Do not cut the mat around the galley partition fittings. The fittings will be installed on top of the mat.

- 3) Cut the mat to extend under the closet installation if a closet is installed.

- 4) Cut the mat to fit around the forward fixed lavatory.

- (b) Apply tape, G01288, 6.0 inches (15.24 cm) wide, on the floor surface leaving no gaps. Keep the tape at least 0.25 inches (6.35 mm) and no more than 0.50 inches (12.7 mm) from the mat edges.

NOTE: Avoid running the tape over the raised areas and floor panel inserts. The direction of the tape is optional.

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- (c) Apply adhesive, A00930, for faying surfaces on the slit edges of the mat running adjacent to the monuments.

NOTE: adhesive, A00027 is optional to adhesive, A00930.

- (d) Seal all the cracks and small holes, if necessary.
- (e) Put the mat in the correct location and push firmly on the tape.
- (f) Apply a 0.25 - 0.35 inch (6.35 - 8.89 mm) fillet seal between the mat and any monuments with adhesive, A00930.

NOTE: adhesive, A00027 is optional to adhesive, A00930.

- (g) Put the edges in the edge retainers before the sealant starts to get hard.

SUBTASK 25-27-21-420-003

- (4) Put the carpets in the edge retainers for the mats.

SUBTASK 25-27-21-200-001

- (5) Do this task: Vinyl Water Barrier Repair, TASK 53-21-11-300-801.
if necessary.

SUBTASK 25-27-21-420-004

- (6) Install or tighten the thresholds if it is necessary.

SUBTASK 25-27-21-420-005

- (7) Install the retainer plate on the edge of the mat and drain trough.

SUBTASK 25-27-21-390-001

- (8) Install the floor brackets for the escape slide adjacent to the entry and service doors if it is necessary.

SUBTASK 25-27-21-390-002

- (9) Seal the joints at the corners of the edge retainers and around the edges of the mat to make sure there is a water-tight surface.

SUBTASK 25-27-21-160-002

- (10) Clean the area (TASK 20-30-31-910-801).

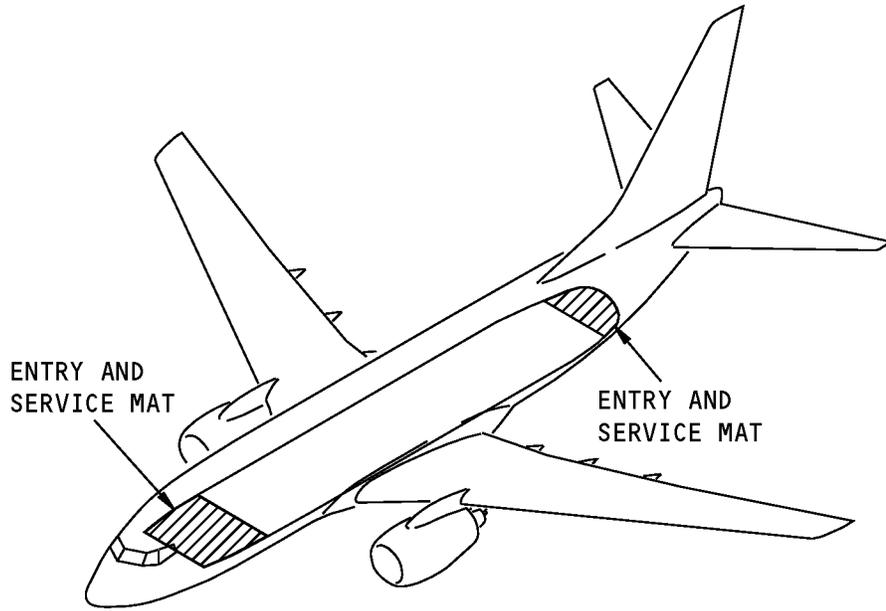
————— **END OF TASK** —————

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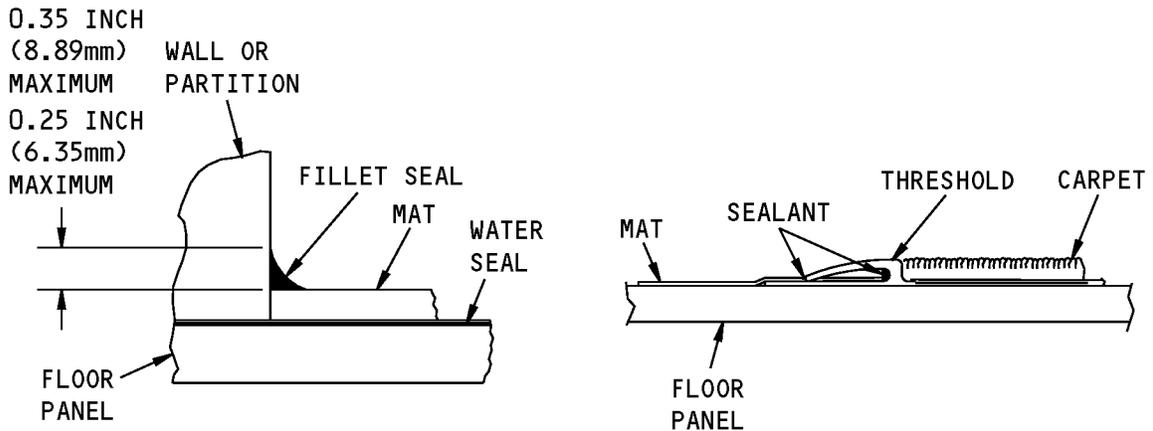
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ENTRY AND SERVICE AREA MAT



MAT TO PARTITION (SEALED EDGE)

CARPET TO MAT

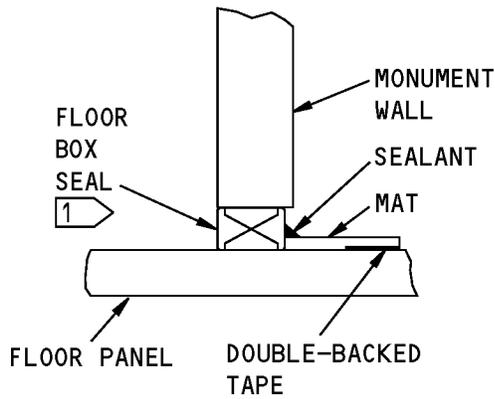
**Entry and Service Area Mat Installation
Figure 401 (Sheet 1 of 3)/25-27-21-990-801**

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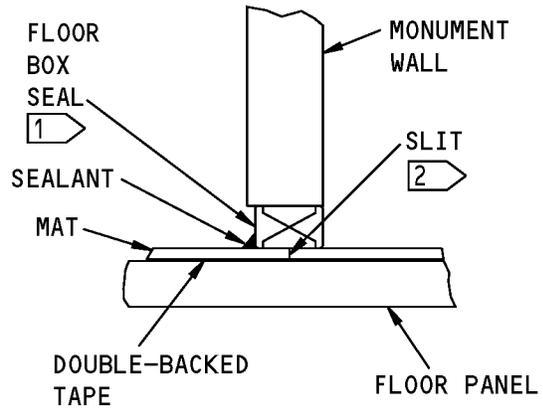
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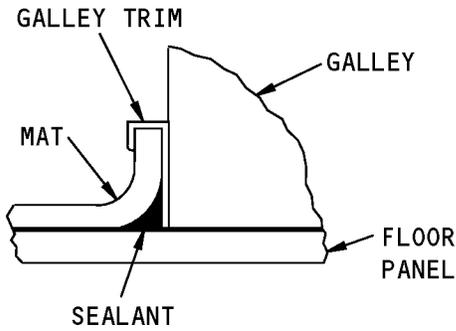
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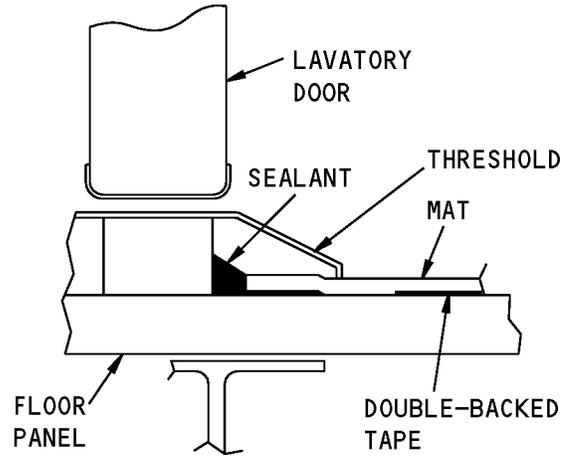
MAT TO MONUMENT



**MAT TO MONUMENT
(ALTERNATE METHOD)**



MAT TO GALLEY



LAVATORY THRESHOLD

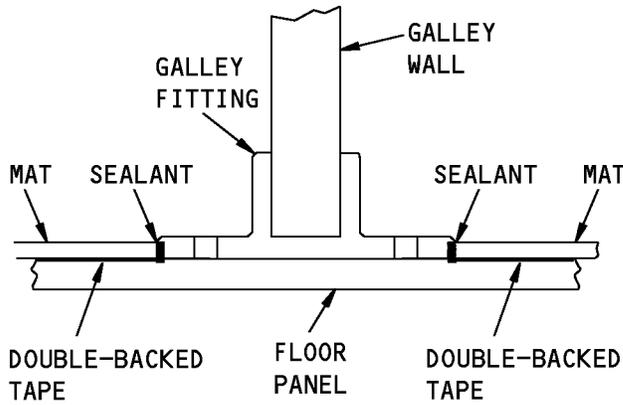
- 1 SILICON FOAM, BMS 1-68
- 2 OPTIONAL METHOD, PRECUT A SLIT CENTERED BETWEEN MONUMENT WALLS

**Entry and Service Area Mat Installation
Figure 401 (Sheet 2 of 3)/25-27-21-990-801**

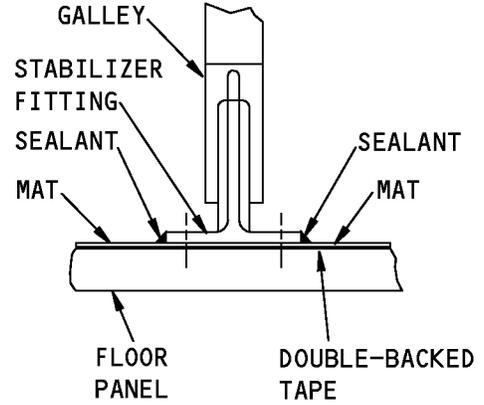
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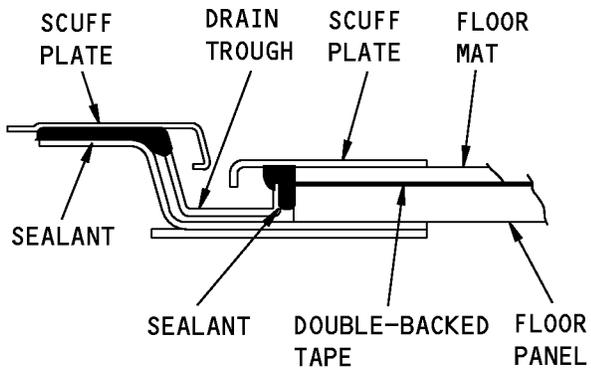
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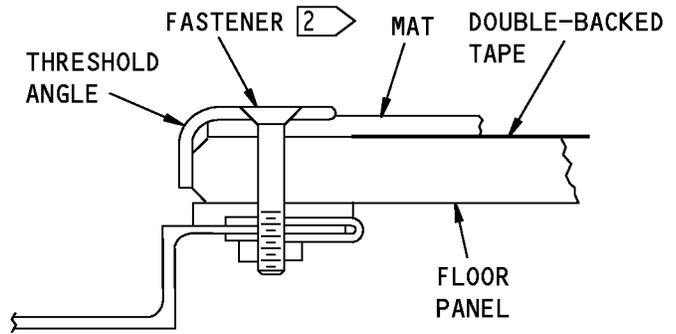
MAT TO GALLEY FITTING



**MAT TO GALLEY FITTING
(ALTERNATE METHOD)**



TROUGH TYPE DOOR MAT DRAIN



CONTROL CABIN THRESHOLD

2 INSTALL WITH SEALANT BMS 5-142 (BMS 5-95 OPTIONAL)

N57142 S0006567051_V2

**Entry and Service Area Mat Installation
Figure 401 (Sheet 3 of 3)/25-27-21-990-801**

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FLOOR PROXIMITY LIGHTING RACEWAY - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) Floor Proximity Lighting Raceway Removal,
- (2) Floor Proximity Lighting Raceway Installation.

B. For the procedure to replace only the lamp or the light assembly, refer to Chapter 33.

These are the tasks:

Floor Proximity Light - Lamp Replacement, TASK 33-51-12-960-801,

Floor Proximity Light - Light Assembly Replacement, TASK 33-51-12-960-802.

TASK 25-27-31-000-801-001

2. Floor Proximity Lighting Raceway Removal

(Figure 401)

A. References

Reference	Title
25-22-00-000-801	Passenger Seat Removal (P/B 401)

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-27-31-010-001-001

(1) If it is necessary for access, do this task: Passenger Seat Removal, TASK 25-22-00-000-801.

SUBTASK 25-27-31-020-001-001

(2) Remove the track covers [2] as necessary to find the 4 locations where the wires go through the floor.

(a) Disconnect the wires from the lights at these 4 locations.

(b) Remove the tape and sleeving [5] from the wiring as necessary to release the wiring from the track.

SUBTASK 25-27-31-010-003-001

(3) Pull the carpet away from each side of the track.

SUBTASK 25-27-31-020-004-001

(4) Lift and remove the track [4] from the floor. It is attached with carpet tape.

NOTE: For installation, make a note of the location of the wiring and of the location of each light.

————— **END OF TASK** —————

<p>EFFECTIVITY</p> <p>HAP 001-013, 015-026, 028-030</p>

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TASK 25-27-31-400-801-001

3. Floor Proximity Lighting Raceway Installation

(Figure 401)

A. References

Reference	Title
25-22-00-400-802	Passenger Seat Installation (P/B 401)
33-51-00-710-801	Emergency Lights - Operational Test (P/B 501)

B. Consumable Materials

Reference	Description	Specification
G01288	Tape - Carpet	BMS5-133
G02129	Tape - Adhesive - Permacel P-29	

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Procedure

SUBTASK 25-27-31-320-001-001

- (1) If you are installing new track [4], then drill 1.25 inch (30 mm) holes in the track (the base part of the track only) for the wiring. Locate the holes to match where the wiring comes up through the floor.

SUBTASK 25-27-31-420-001-001

- (2) Install new tape, G01288, on the bottom of the track [4].

SUBTASK 25-27-31-420-009-001

- (3) Put the wiring through the holes in the track [4] and attach the track to the floor.

SUBTASK 25-27-31-420-022-001

- (4) Install the track [4] on the floor panel.
 - (a) At the expansion joint, STA 520, keep a 0.30 inch gap between the adjacent tracks [4].

SUBTASK 25-27-31-420-010-001

- (5) Install the light assemblies in the track [4].

SUBTASK 25-27-31-420-011-001

- (6) Install the sleeving [5] on the wires.

SUBTASK 25-27-31-420-004-001

- (7) Connect the wires to the lights.

SUBTASK 25-27-31-420-005-001

CAUTION: MAKE SURE THE WIRES ARE IN THE CENTER OF THE TRACK COVER. IF THE WIRES ARE NOT IN THE CENTER OF THE TRACK COVER, YOU CAN CAUSE DAMAGE TO THE WIRES.

- (8) If necessary, use Permacel P-29 tape, G02129, to keep the wires in the center of the track cover [2].

SUBTASK 25-27-31-420-012-001

- (9) Put the tape, G01288, on the flange of the track [4].

<p>EFFECTIVITY</p> <p>HAP 001-013, 015-026, 028-030</p>

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SUBTASK 25-27-31-420-013-001

(10) Install all the lenses [1] and the track covers [2].

(a) At the expansion joint, STA 520, keep a 0.30 inch gap between the adjacent track covers [2].

SUBTASK 25-27-31-420-014-001

(11) Attach any wires that are not in the track to the floor with Permacel P-29 tape, G02129.

SUBTASK 25-27-31-410-001-001

(12) Attach the carpet to each side of the track.

SUBTASK 25-27-31-710-001-001

(13) Do this task: Emergency Lights - Operational Test, TASK 33-51-00-710-801.

NOTE: Do only the steps that are applicable to the floor proximity lights.

SUBTASK 25-27-31-410-002-001

(14) If you removed the seats, then install them. To install the seats, do this task: Passenger Seat Installation, TASK 25-22-00-400-802.

————— **END OF TASK** —————

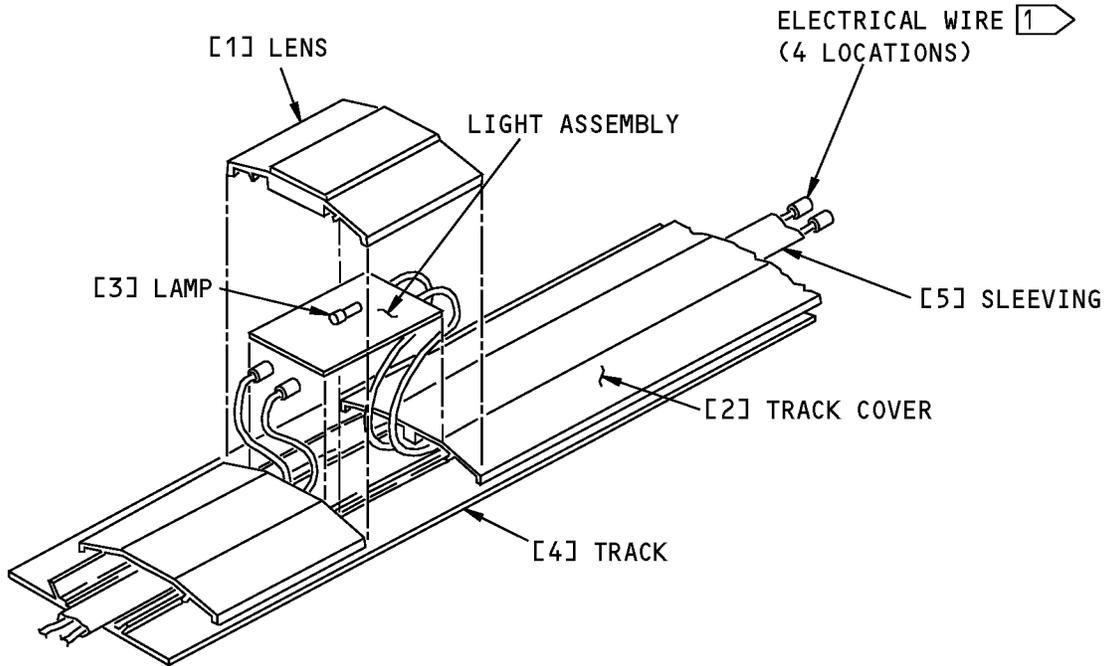
EFFECTIVITY

HAP 001-013, 015-026, 028-030

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**FLOOR PROXIMITY LIGHT
(EXAMPLE)**

1 **CAUTION:** MAKE SURE THE WIRES ARE IN THE CENTER OF THE TRACK COVER. YOU CAN CAUSE DAMAGE TO THE WIRES IF THE WIRES ARE NOT IN THE CENTER OF THE TRACK COVER.

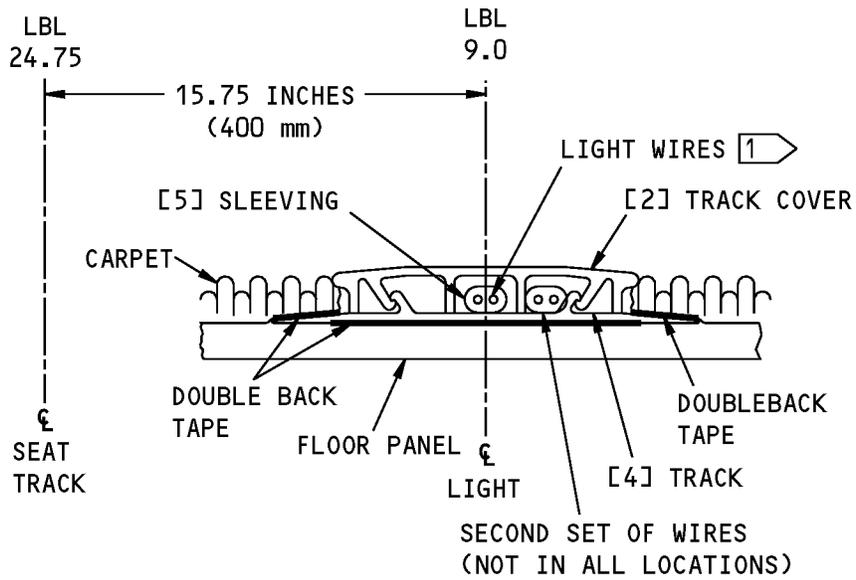
**Floor Proximity Raceway Installation
Figure 401 (Sheet 1 of 2)/25-27-31-990-801-001**

EFFECTIVITY
HAP 001-013, 015-026, 028-030

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**FLOOR PROXIMITY LIGHTING RACEWAY
(EXAMPLE)**

**Floor Proximity Raceway Installation
Figure 401 (Sheet 2 of 2)/25-27-31-990-801-001**

EFFECTIVITY
HAP 001-013, 015-026, 028-030

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AIRCRAFT MAINTENANCE MANUAL

GALLEY NO. 1 - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) Galley No. 1 Removal
- (2) Galley No. 1 Installation.

TASK 25-31-11-000-801

2. Galley No. 1 Removal

(Figure 401)

A. General

- (1) Be careful during the removal of the galley to prevent damage to the galley mat. The galley mat is a cover on the floor panels in the galley area.

B. References

Reference	Title
25-21-34-000-801	Doorway Header Panel Removal, Forward Galley Door (P/B 401)
25-21-35-020-801	Door Surround Panel Removal (Forward Galley Doorway) (P/B 401)
25-31-83-000-801	Forward Galley Header Removal (P/B 401)
33-51-14-960-802	Floor Proximity Light - Light Assembly Replacement (P/B 201)
38-42-00-800-801	Potable Water System - Pressure Release (P/B 201)

C. Location Zones

Zone	Area
222	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Right

D. Prepare for the Procedure

SUBTASK 25-31-11-860-008

WARNING: BE CAREFUL WHEN YOU ACCESS THE (ROW F) CIRCUIT BREAKERS ON THE INSIDE OF THE P91 AND P92 PANELS. IF POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER BEFORE YOU ACCESS THE CIRCUIT BREAKERS ON THE INSIDE OF THE P91 AND P92 PANELS. THE P91 AND P92 PANELS CONTAIN HIGH VOLTAGES AND CURRENTS THAT MAY CAUSE INJURIES TO PERSONS.

- (1) Open these circuit breakers and install safety tags:

Power Distribution Panel Number 2, P92

Row	Col	Number	Name
HAP 001-013, 015-026, 028-054, 107-999			
F	7	C00912	GALLEY BUS A
HAP 001-013, 015-026, 028-030			
F	7	C00914	GALLEY BUS B
HAP 031-054, 101-999			
F	8	C00914	GALLEY BUS B

EFFECTIVITY
HAP ALL

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AIRCRAFT MAINTENANCE MANUAL

HAP 031-054, 101-999 (Continued)

HAP ALL

SUBTASK 25-31-11-020-012

- (2) If applicable, do this task: Floor Proximity Light - Light Assembly Replacement, TASK 33-51-14-960-802.

SUBTASK 25-31-11-860-002

- (3) Do this task: Potable Water System - Pressure Release, TASK 38-42-00-800-801.

HAP 001-013, 015-026, 028-030, 038, 041-054, 107-999

SUBTASK 25-31-11-020-013

- (4) If applicable, do this task: Forward Galley Header Removal, TASK 25-31-83-000-801.

HAP ALL

SUBTASK 25-31-11-020-014

- (5) Do this task: Doorway Header Panel Removal, Forward Galley Door, TASK 25-21-34-000-801.

SUBTASK 25-31-11-020-015

- (6) Do this task: Door Surround Panel Removal (Forward Galley Doorway), TASK 25-21-35-020-801.

SUBTASK 25-31-11-020-001

- (7) Drain the water from the applicable galley equipment.

SUBTASK 25-31-11-020-002

- (8) Refer to the galley manufacturer's Component Maintenance Manual for the steps to prepare the galley for the removal procedure.

E. Procedure

SUBTASK 25-31-11-020-016

- (1) Disconnect the electrical power at the connections in the ceiling above the galley.
 - (a) Get access through the access door in the forward lowered ceiling.
 - (b) Disconnect the electrical connectors [8].
 - (c) Disconnect the ground strap [4] from the ground stud [3] at the top of the galley.

SUBTASK 25-31-11-020-017

- (2) Disconnect the water supply at the connections in the ceiling above the galley.
 - (a) Get access through the access door in the forward lowered ceiling.
 - (b) Cut the plastic tie-straps [7] that attach the shroud [6] on the water connection [5].
 - (c) Disconnect the water supply connection [5] at the top of the galley.

SUBTASK 25-31-11-020-009

- (3) Through the applicable lower access panel, loosen the clamp, then disconnect the door flexible duct.

SUBTASK 25-31-11-020-010

- (4) If applicable, through the lower access panel, loosen the clamp, then disconnect the drain line.

SUBTASK 25-31-11-020-003

- (5) Remove the tie rod [1].
 - (a) Remove the quick-release pin [2] that attaches the tie rod [1] to the galley.

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SUBTASK 25-31-11-020-004

(6) Remove the coverplate on the floor hard points.

SUBTASK 25-31-11-020-005

(7) Remove the grease from the attachment fitting to get access to the fasteners, if it is necessary.

SUBTASK 25-31-11-020-006

(8) Remove the bolts [9], washers [10], and shims [11], at the four hard point locations.

NOTE: Keep the shims for the galley installation. Record the quantity of shims for a given location when you remove the shims.

SUBTASK 25-31-11-020-011

(9) If applicable, remove the stabilizer [12].

(a) Remove the bolts [13] and washers [14], at the stabilizer [12].

(b) Remove the stabilizer [12].

SUBTASK 25-31-11-020-008

(10) Remove the galley.

END OF TASK

TASK 25-31-11-400-801

3. Galley No. 1 Installation

(Figure 401)

A. General

(1) Be careful during the installation of the galley to prevent damage to the galley mat. The galley mat is a cover on the floor panels in the galley area.

B. References

Table with 2 columns: Reference, Title. Lists various installation and maintenance tasks.

C. Consumable Materials

Table with 3 columns: Reference, Description, Specification. Lists materials like adhesive, solvent, and compound.

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AIRCRAFT MAINTENANCE MANUAL

D. Location Zones

Zone	Area
222	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Right

E. Procedure

SUBTASK 25-31-11-100-001

- (1) Clean the galley mat on the floor in the galley area with solvent, B00083.

SUBTASK 25-31-11-350-001

- (2) Repair the galley mat if it is necessary.

SUBTASK 25-31-11-420-001

- (3) Move the galley inboard.

SUBTASK 25-31-11-820-001

- (4) Adjust the galley if it is necessary.

SUBTASK 25-31-11-420-002

- (5) Put the galley into its correct position.

SUBTASK 25-31-11-420-003

- (6) Install the floor seals and bond them with adhesive, A00027 or adhesive, A00930.

SUBTASK 25-31-11-420-004

- (7) Install the bolts [9], washers [10], and shims [11] at the four floor hard points and with compound, C00528 to bolts.

NOTE: Install the shims as necessary. The shim installation may not be more than 3 shims per attachment fitting.

- (a) Torque the bolts [9] to 107.5 ± 17.5 in-lb (12.1 ± 2.0 N·m).

SUBTASK 25-31-11-420-005

- (8) Install the hard point coverplates and seal with adhesive, A00027 or adhesive, A00930.

SUBTASK 25-31-11-420-011

- (9) If applicable, install the stabilizer [12].

- (a) Put the stabilizer [12] below the galley.
- (b) Attach the stabilizer [12] with the bolts [13] and washers [14].
 - 1) Torque the bolts [13] to 22.5 ± 2.5 in-lb (2.5 ± 0.3 N·m).
- (c) Seal the stabilizer with adhesive, A00930.

SUBTASK 25-31-11-820-002

- (10) Attach the tie rod [1] to the attachment fitting on the top of the galley and on the fuselage and apply compound, C00528, to the bolt.

- (a) Adjust the tie rod [1] to the correct length.
 - 1) Adjust only the end of the assembly without the lockwasher and the lockwire.
 - 2) Make sure the thread of the tie rod blocks the inspection hole in the body of the tie rod.
 - 3) Tighten the jamnut.
- (b) Install the quick-release pin [2] at the galley end of the tie rod [1].

NOTE: Install the end of the tie rod [1] with the lockwasher and the lockwire at the fitting on the fuselage.

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SUBTASK 25-31-11-420-006

- (11) Connect the galley ground strap [4] to the ground stud [3].
- (12) Do a resistance check of the static ground from the ground stud [3] on the galley to the airplane ground stud.
- (13) Make sure the resistance is a maximum of 0.0025 Ohms.

SUBTASK 25-31-11-420-007

- (14) Connect the electrical connectors [8] in the ceiling above the galley.

SUBTASK 25-31-11-420-012

- (15) Connect the water supply.
 - (a) Connect the water supply connection [5] at the top of the galley.
 - (b) Install the shroud [6] on the connection [5] with plastic tie-straps [7].

SUBTASK 25-31-11-420-013

- (16) If applicable, through the lower outboard access panel, connect the drain line and tighten the clamp.

SUBTASK 25-31-11-420-008

- (17) Through the applicable lower outboard access panel, connect the door flexible duct and tighten the clamp.

SUBTASK 25-31-11-420-014

- (18) Install the access covers and seal with adhesive, A00027 or adhesive, A00930.

SUBTASK 25-31-11-420-009

- (19) If applicable, do this task: Floor Proximity Light - Light Assembly Replacement, TASK 33-51-14-960-802.

F. Put the Airplane in Its Usual Condition.

SUBTASK 25-31-11-410-001

- (1) Do this task: Doorway Header Panel Installation, Forward Galley Door, TASK 25-21-34-400-801.

SUBTASK 25-31-11-410-002

- (2) Do this task: Door Surround Panels Installation (Forward Galley Doorway), TASK 25-21-35-420-801.

HAP 001-013, 015-026, 028-030, 038, 041-054, 107-999

SUBTASK 25-31-11-410-003

- (3) If applicable, do this task: Forward Galley Header Installation, TASK 25-31-83-400-801

HAP ALL

SUBTASK 25-31-11-860-006

WARNING: BE CAREFUL WHEN YOU ACCESS THE (ROW F) CIRCUIT BREAKERS ON THE INSIDE OF THE P91 AND P92 PANELS. IF POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER BEFORE YOU ACCESS THE CIRCUIT BREAKERS ON THE INSIDE OF THE P91 AND P92 PANELS. THE P91 AND P92 PANELS CONTAIN HIGH VOLTAGES AND CURRENTS THAT MAY CAUSE INJURIES TO PERSONS.

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(WARNING PRECEDES)

- (4) Remove the safety tags and close these circuit breakers:

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
HAP 001-013, 015-026, 028-054, 107-999			
F	7	C00912	GALLEY BUS A
HAP 001-013, 015-026, 028-030			
F	7	C00914	GALLEY BUS B
HAP 031-054, 101-999			
F	8	C00914	GALLEY BUS B
HAP ALL			

SUBTASK 25-31-11-710-001

- (5) Make sure the electrical components in the galley operate correctly.

SUBTASK 25-31-11-710-004

- (6) If an exit light is installed on the galley, make sure that it illuminates.

SUBTASK 25-31-11-710-005

- (7) If a floor proximity light is installed on the galley, make sure that it illuminates.

SUBTASK 25-31-11-710-006

- (8) If a No Smoking Fasten Seat Belt sign is installed on the galley, make sure that it illuminates.

SUBTASK 25-31-11-710-003

- (9) Do this task: Potable Water System - Leak Test, TASK 38-10-00-790-801.

SUBTASK 25-31-11-670-001

- (10) Do this task: Potable Water System - Disinfectant, TASK 38-10-00-600-801.

SUBTASK 25-31-11-410-004

- (11) Refer to the galley manufacturer's Component Maintenance Manual for the instructions to put the galley back to the serviceable condition.

————— **END OF TASK** —————

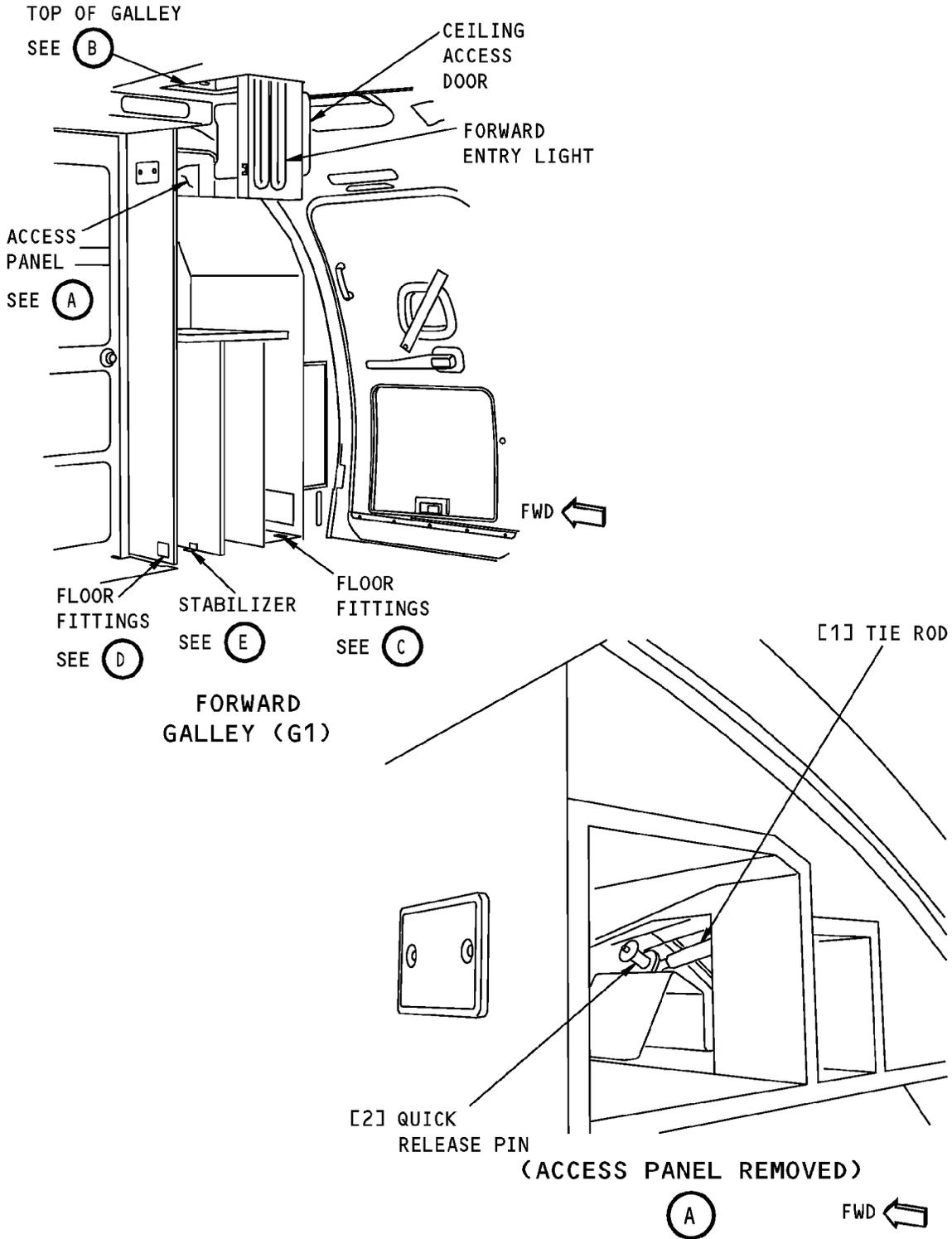
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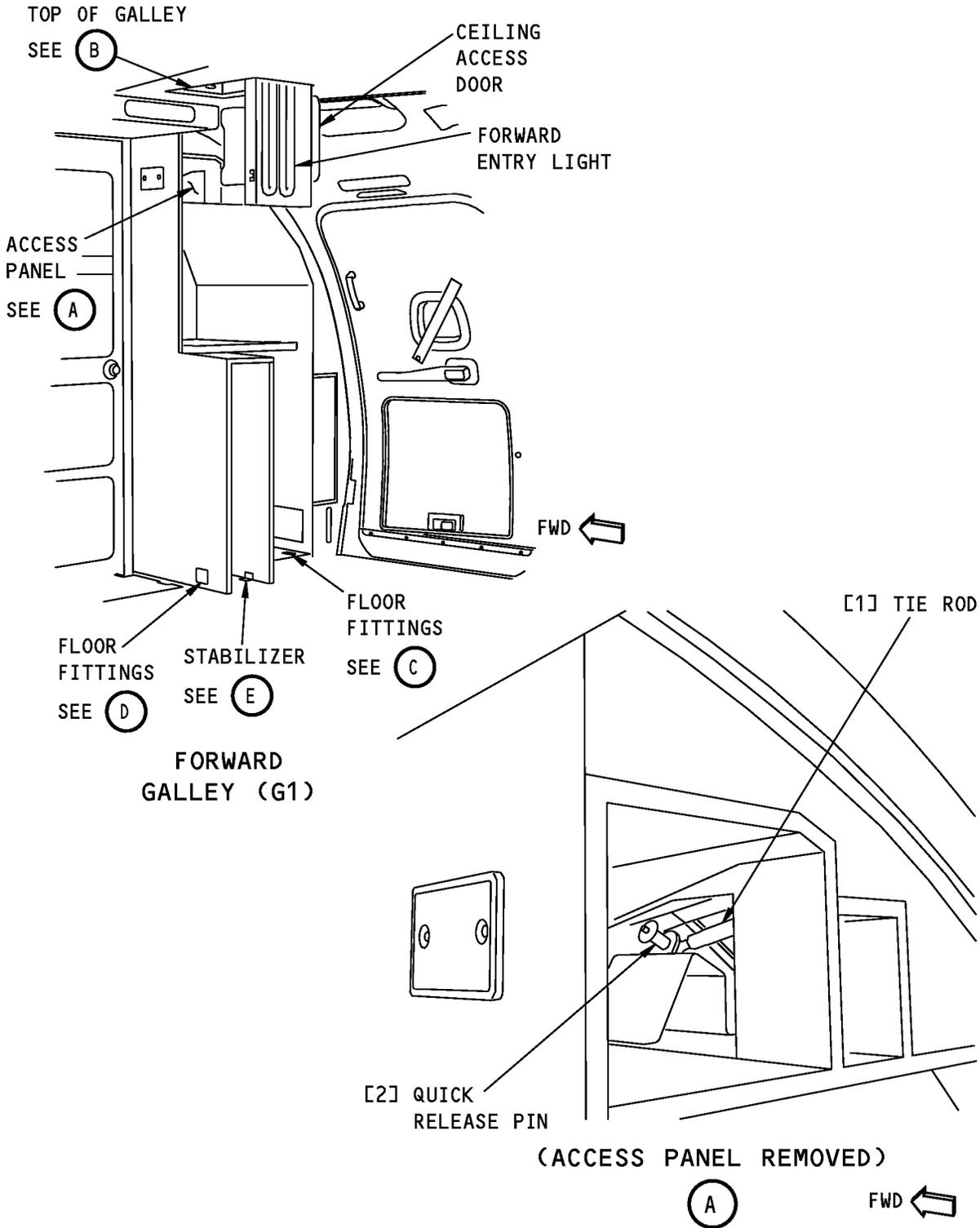


Galley No. 1 Installation
Figure 401 (Sheet 1 of 6)/25-31-11-990-801

EFFECTIVITY
HAP 048-054

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Galley No. 1 Installation
Figure 401 (Sheet 2 of 6)/25-31-11-990-801

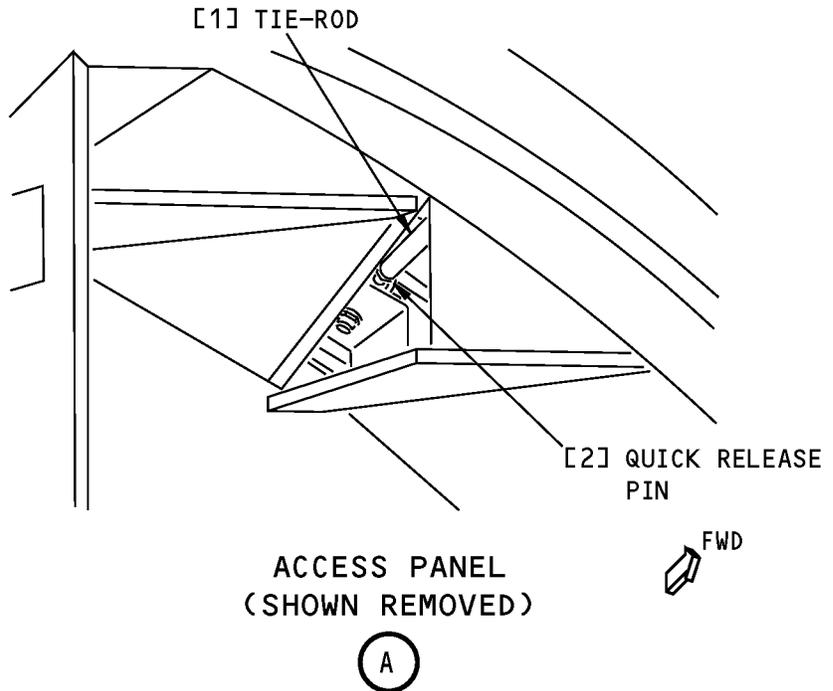
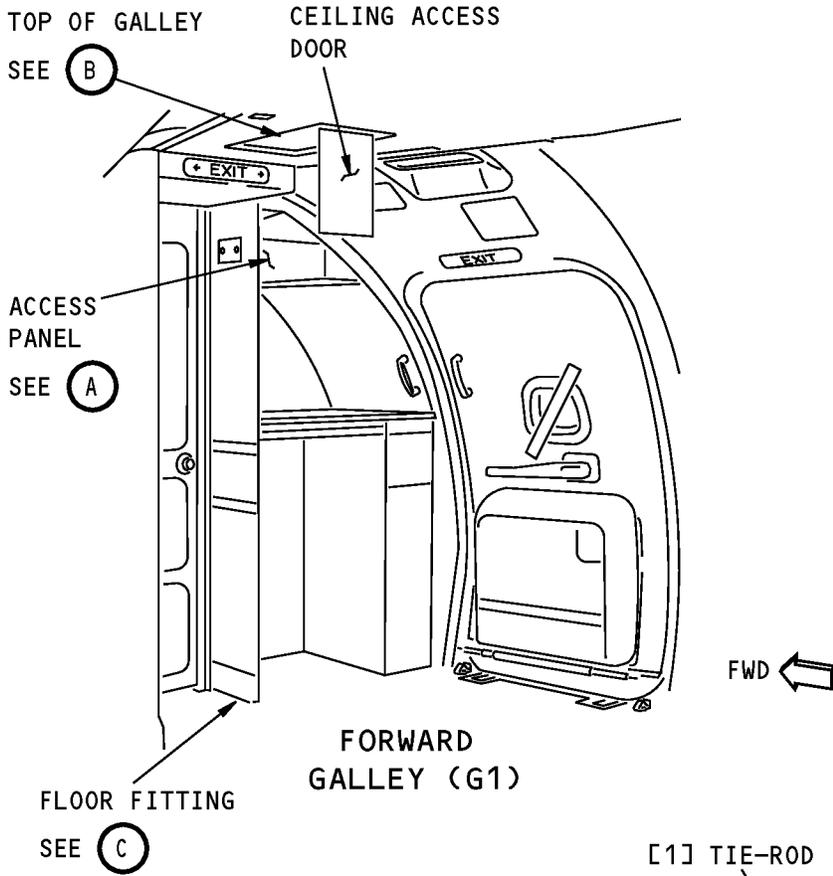
EFFECTIVITY
HAP 101-106

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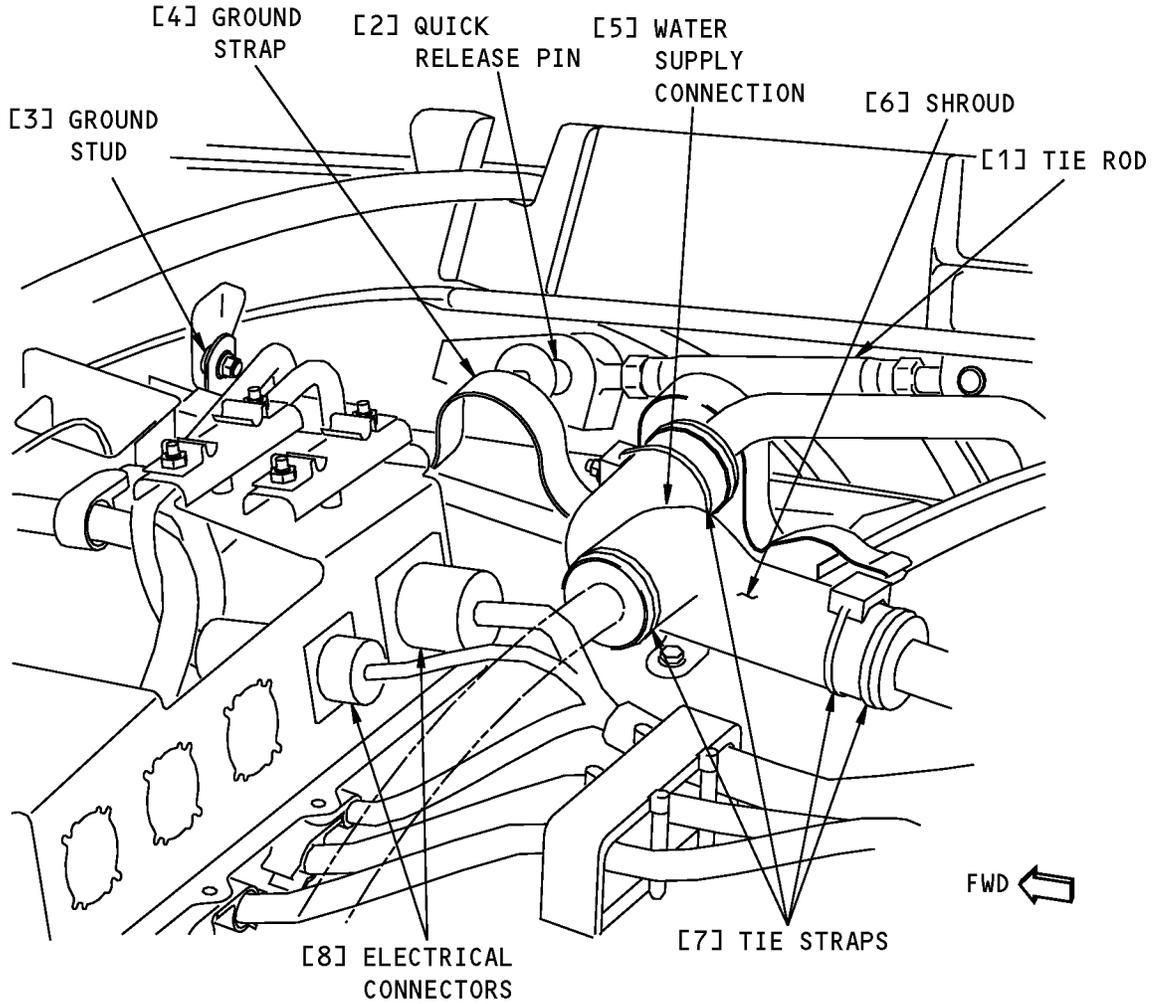
AIRCRAFT MAINTENANCE MANUAL



Galley No. 1 Installation
Figure 401 (Sheet 3 of 6)/25-31-11-990-801

EFFECTIVITY
HAP 001-013, 015-026, 028-047, 107-999

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TOP OF GALLEY

(B)

**Galley No. 1 Installation
Figure 401 (Sheet 4 of 6)/25-31-11-990-801**

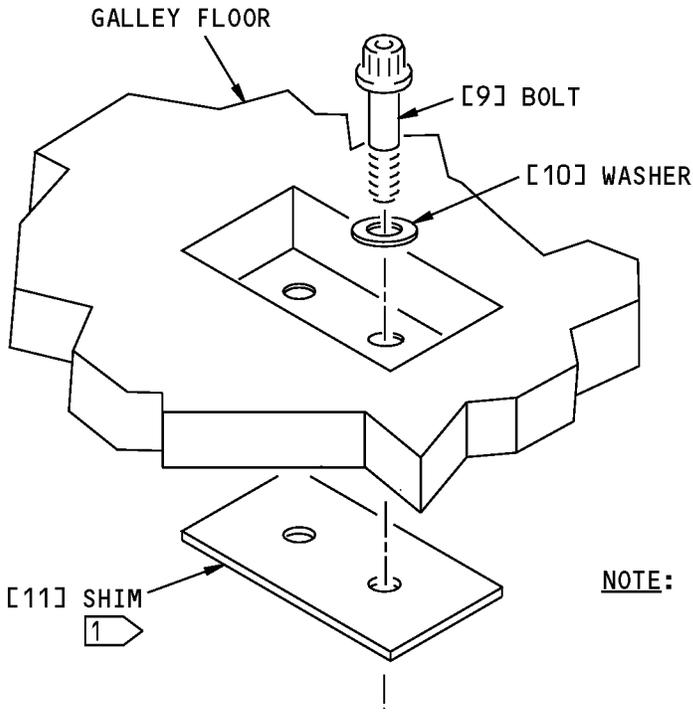
EFFECTIVITY
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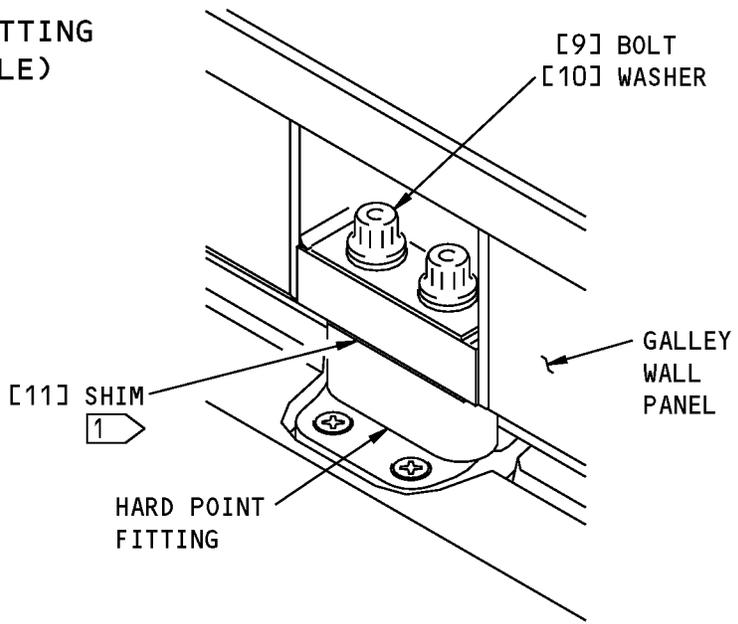
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NOTE: SHIMS ARE INSTALLED BETWEEN GALLEY AND FLOOR.

FLOOR FITTING
(EXAMPLE)

(C)



FLOOR FITTING
(EXAMPLE)

(D)

1 INSTALL SHIMS
AS NECESSARY

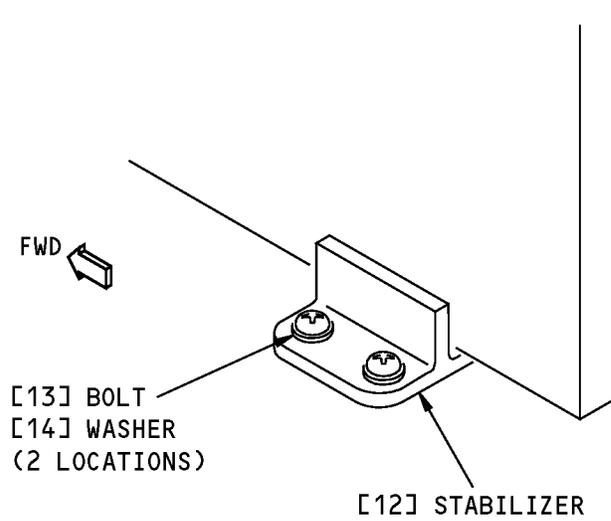
**Galley No. 1 Installation
Figure 401 (Sheet 5 of 6)/25-31-11-990-801**

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STABILIZER
(EXAMPLE)

(E)

**Galley No. 1 Installation
Figure 401 (Sheet 6 of 6)/25-31-11-990-801**

EFFECTIVITY
HAP 048-054, 101-106

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AIRCRAFT MAINTENANCE MANUAL

GALLEY NO. 2, 2A - REMOVAL/INSTALLATION

1. GALLEY NO. 2, 2A, 2B - REMOVAL/INSTALLATION

A. This procedure has these tasks:

- (1) Galley No. 2 Removal,
- (2) Galley No. 2 Installation.

TASK 25-31-21-000-801

2. Galley No. 2 Removal

(Figure 401)

A. General

- (1) Be careful during the removal of the galley to prevent damage to the galley mat. The galley mat is a cover on the floor panels in the galley area.

B. References

Reference	Title
25-21-34-000-801	Doorway Header Panel Removal, Forward Galley Door (P/B 401)
25-21-35-020-801	Door Surround Panel Removal (Forward Galley Doorway) (P/B 401)
25-31-83-000-801	Forward Galley Header Removal (P/B 401)
38-42-00-800-801	Potable Water System - Pressure Release (P/B 201)

C. Location Zones

Zone	Area
222	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Right

D. Prepare for the Procedure

HAP 001-013, 015-026, 028-030, 038, 041-054, 107-999

SUBTASK 25-31-21-010-001

- (1) Do this task: Forward Galley Header Removal, TASK 25-31-83-000-801.

HAP ALL

SUBTASK 25-31-21-010-002

- (2) Do this task: Doorway Header Panel Removal, Forward Galley Door, TASK 25-21-34-000-801.

SUBTASK 25-31-21-010-003

- (3) Do this task: Door Surround Panel Removal (Forward Galley Doorway), TASK 25-21-35-020-801.

SUBTASK 25-31-21-860-004

WARNING: BE CAREFUL WHEN YOU ACCESS THE (ROW F) CIRCUIT BREAKERS ON THE INSIDE OF THE P91 AND P92 PANELS. IF POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER BEFORE YOU ACCESS THE CIRCUIT BREAKERS ON THE INSIDE OF THE P91 AND P92 PANELS. THE P91 AND P92 PANELS CONTAIN HIGH VOLTAGES AND CURRENTS THAT MAY CAUSE INJURIES TO PERSONS.

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(WARNING PRECEDES)

- (4) Open these circuit breakers and install safety tags:

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
HAP 001-013, 015-026, 028-054, 107-999			
F	7	C00912	GALLEY BUS A
HAP 001-013, 015-026, 028-030			
F	7	C00914	GALLEY BUS B
HAP 031-054, 101-999			
F	8	C00914	GALLEY BUS B

HAP 031-037, 039, 040, 048-054, 101-999

SUBTASK 25-31-21-020-001

- (5) Do this task: Potable Water System - Pressure Release, TASK 38-42-00-800-801.

SUBTASK 25-31-21-020-002

- (6) Drain the water from the applicable galley equipment.

HAP ALL

SUBTASK 25-31-21-010-004

- (7) Refer to the galley manufacturer's Component Maintenance Manual for the steps to prepare the galley for the removal procedure.
 - (a) Remove the equipment from the galley before doing the procedure.
 - (b) Remove the necessary access panels from the galley to complete the task.
 - (c) Remove the necessary trim panels from the galley to complete the task.

E. Procedure

HAP 001-013, 015-026, 028-054

SUBTASK 25-31-21-020-011

- (1) Disconnect the electrical power at the connections above the galley.
 - (a) Disconnect the electrical connectors [1].

SUBTASK 25-31-21-020-012

- (2) Disconnect the ground strap [2] from the ground stud [3] at the top of the galley.

HAP 031-037, 039, 040, 048-054, 101-999

SUBTASK 25-31-21-020-013

- (3) Disconnect the water supply at the connection at the top of the galley.
 - (a) Get access through the applicable access panel in the top of the galley.
 - (b) Disconnect the water supply connection [4] above the top of the galley.

SUBTASK 25-31-21-020-004

- (4) Through the lower access panel, loosen the clamp [5], then disconnect the drain line [6].

HAP ALL

SUBTASK 25-31-21-020-005

- (5) Remove the tie rod [9].
 - (a) Remove the quick-release pin [10] that attaches the tie rod [9] to the galley lug fitting [11].

<p>EFFECTIVITY</p> <p>HAP ALL</p>	
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SUBTASK 25-31-21-020-006

- (6) To remove the galley floor hard points, do these task:
 - (a) Remove the coverplate on the floor hard points.
 - (b) Remove the grease from the attachment fitting to get access to the fasteners, if it is necessary.
 - (c) Remove the bolts [12], washers [13], and shims [14] at the four hard point locations.

NOTE: Keep the shims for the galley installation. Record the quantity of shims for a given location when you remove the shims.

HAP 001-013, 015-026, 028-054, 101-106

SUBTASK 25-31-21-020-009

- (7) Do these steps to remove the stabilizer fitting [21]:
 - (a) Remove the bolts [15], washers [16], and nuts [17] at the bearing block [18].
 - (b) Remove the bearing block [18].
 - (c) Remove the bolts [19] and washers [20] at the stabilizer [21].
 - (d) Remove the stabilizer [21].

HAP ALL

SUBTASK 25-31-21-020-010

- (8) Remove the galley.

SUBTASK 25-31-21-030-002

- (9) If necessary, remove the seat track fittings at the seat track locations.

————— **END OF TASK** —————

TASK 25-31-21-400-801

3. Galley No. 2 Installation

(Figure 401)

A. General

- (1) Be careful during the installation of the galley to prevent damage to the galley mat. The galley mat is a cover on the floor panels in the galley area.

B. References

Reference	Title
25-21-34-400-801	Doorway Header Panel Installation, Forward Galley Door (P/B 401)
25-21-35-420-801	Door Surround Panels Installation (Forward Galley Doorway) (P/B 401)
25-31-83-400-801	Forward Galley Header Installation (P/B 401)
38-10-00-600-801	Potable Water System - Disinfectant (P/B 201)
38-10-00-790-801	Potable Water System - Leak Test (P/B 201)
51-21-92-600-801	Seat Track Filler Application (P/B 201)

EFFECTIVITY
HAP ALL

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C. Consumable Materials

Reference	Description	Specification
A00027	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010, Type 60
A00930	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010, Type 109
B00083	Solvent - Aliphatic Naphtha (For Acrylic Plastics)	TT-N-95 Type II, ASTM D-3735 Type III
C00528	Compound - Corrosion Preventive, Petroleum Hot Application (Soft Film)	MIL-C-11796, Class III

D. Location Zones

Zone	Area
222	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Right

E. Procedure

SUBTASK 25-31-21-100-001

- (1) Clean the galley mat on the floor in the galley area with solvent, B00083.

SUBTASK 25-31-21-350-001

- (2) Repair the galley mat if it is necessary.

SUBTASK 25-31-21-420-023

- (3) If necessary, install the seat track fittings at the seat track locations.

- (a) Do this task: Seat Track Filler Application, TASK 51-21-92-600-801.

SUBTASK 25-31-21-420-001

- (4) Move the galley inboard.

SUBTASK 25-31-21-820-001

- (5) Adjust the galley if it is necessary.

SUBTASK 25-31-21-420-002

- (6) Put the galley into its correct position.

SUBTASK 25-31-21-420-003

- (7) Install the floor seals and bond them with adhesive, A00027 or adhesive, A00930.

SUBTASK 25-31-21-420-026

- (8) Install the bolts [12], washers [13], and shims [14] at the floor hard points.

NOTE: Install the shims as necessary. The shim installation may not be more than 3 shims per attachment fitting.

- (a) Apply compound, C00528 to the bolts.

- (b) Torque the bolts [12] to 107.5 ± 17.5 in-lb (12.1 ± 2.0 N·m).

SUBTASK 25-31-21-420-005

- (9) Install the hard point coverplates and seal with adhesive, A00027 or adhesive, A00930.

HAP 001-013, 015-026, 028-054, 101-106

SUBTASK 25-31-21-420-006

- (10) Do these steps to install the stabilizer [21]:

- (a) Put the stabilizer [21] below the galley.

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HAP 001-013, 015-026, 028-054, 101-106 (Continued)

- (b) Install the bolts [19] and washers [20] at the stabilizer [21].
 - 1) Torque the bolts [19] to 22.5 ± 2.5 in-lb (2.5 ± 0.3 N·m).
- (c) Install the bearing block [18] on the stabilizer [21].
- (d) Install the bolts [15], washers [16], and nuts [17] at the bearing block [18].
- (e) Seal the stabilizer with adhesive, A00930.

HAP ALL

SUBTASK 25-31-21-820-002

- (11) Do these steps to attach the tie rod [9] to the lug fitting [11] on the galley.
 - (a) Adjust the tie rod [9] to the correct length.
 - 1) Adjust only the end of the assembly without the lockwasher and the lockwire.
 - 2) Make sure the thread of the tie rod blocks the inspection hole in the body of the tie rod.
 - 3) Tighten the jamnut.
 - (b) Install the quick-release pin [10] at the galley end of the tie rod [9].
- NOTE:** Install the end of the tie rod [9] with the lockwasher and the lockwire at the fitting on the fuselage.

HAP 001-013, 015-026, 028-054

SUBTASK 25-31-21-420-007

- (12) Connect the galley ground strap [2] to the ground stud [3].
- (13) Do a resistance check of the static ground from the ground stud [3] on the galley to the airplane ground stud.
 - (a) Make sure the resistance is a maximum of 0.0025 Ohms.

SUBTASK 25-31-21-420-008

- (14) Connect the electrical connectors [1] in the ceiling above the galley.

HAP 031-037, 039, 040, 048-054, 101-999

SUBTASK 25-31-21-420-009

- (15) Connect the water supply connection [4] at the top of the galley.

SUBTASK 25-31-21-420-010

- (16) Through the lower outboard access panel, connect the drain line [6] and tighten the clamp [5].

HAP ALL

SUBTASK 25-31-21-420-011

- (17) Install the access covers and seal with adhesive, A00027 or adhesive, A00930.

F. Put the Airplane in Its Usual Condition.

SUBTASK 25-31-21-860-008

WARNING: BE CAREFUL WHEN YOU ACCESS THE (ROW F) CIRCUIT BREAKERS ON THE INSIDE OF THE P91 AND P92 PANELS. IF POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER BEFORE YOU ACCESS THE CIRCUIT BREAKERS ON THE INSIDE OF THE P91 AND P92 PANELS. THE P91 AND P92 PANELS CONTAIN HIGH VOLTAGES AND CURRENTS THAT MAY CAUSE INJURIES TO PERSONS.

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(WARNING PRECEDES)

- (1) Remove the safety tags and close these circuit breakers:

Power Distribution Panel Number 2, P92

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
HAP 001-013, 015-026, 028-054, 107-999			
F	7	C00912	GALLEY BUS A
HAP 001-013, 015-026, 028-030			
F	7	C00914	GALLEY BUS B
HAP 031-054, 101-999			
F	8	C00914	GALLEY BUS B

HAP ALL

SUBTASK 25-31-21-410-001

- (2) Refer to the galley manufacturer's Component Maintenance Manual for the instructions to put the galley back to the serviceable condition.
 - (a) Replace the galley equipment removed before.
 - (b) Replace the galley trim panels removed before.

HAP 001-013, 015-026, 028-054

SUBTASK 25-31-21-710-001

- (3) Make sure the electrical components in the galley operate correctly.

HAP ALL

SUBTASK 25-31-21-710-003

- (4) If an exit light is installed on the galley, make sure that it illuminates.

SUBTASK 25-31-21-710-004

- (5) If a floor proximity light is installed on the galley, make sure that it illuminates.

SUBTASK 25-31-21-710-005

- (6) If a No Smoking Fasten Seat Belt sign is installed on the galley, make sure that it illuminates.

HAP 031-037, 039, 040, 048-054, 101-999

SUBTASK 25-31-21-710-002

- (7) If necessary, do this task: Potable Water System - Leak Test, TASK 38-10-00-790-801.

SUBTASK 25-31-21-670-001

- (8) If necessary, do this task: Potable Water System - Disinfectant, TASK 38-10-00-600-801.

HAP ALL

SUBTASK 25-31-21-410-002

- (9) Do this task: Doorway Header Panel Installation, Forward Galley Door, TASK 25-21-34-400-801.

SUBTASK 25-31-21-410-003

- (10) Do this task: Door Surround Panels Installation (Forward Galley Doorway), TASK 25-21-35-420-801.

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HAP 001-013, 015-026, 028-030, 038, 041-054, 107-999

SUBTASK 25-31-21-410-004

(11) Do this task: Forward Galley Header Installation, TASK 25-31-83-400-801.

HAP ALL

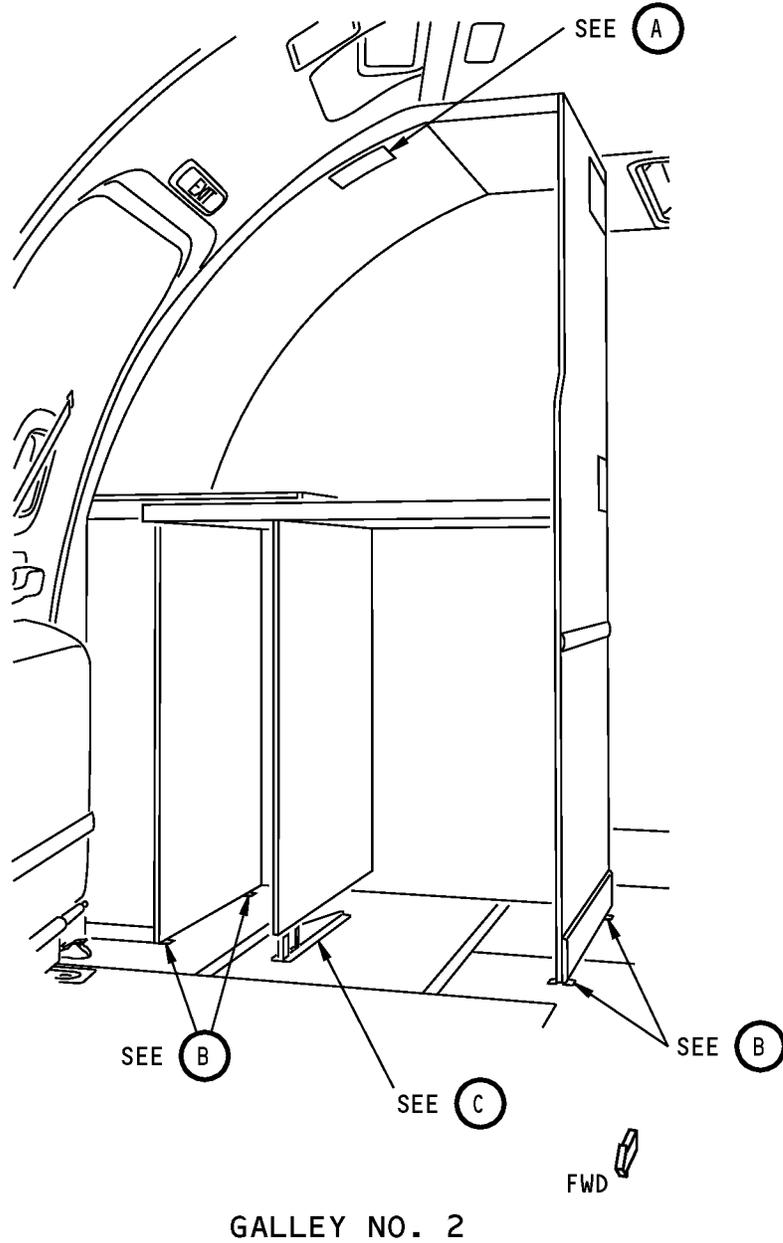
————— **END OF TASK** —————

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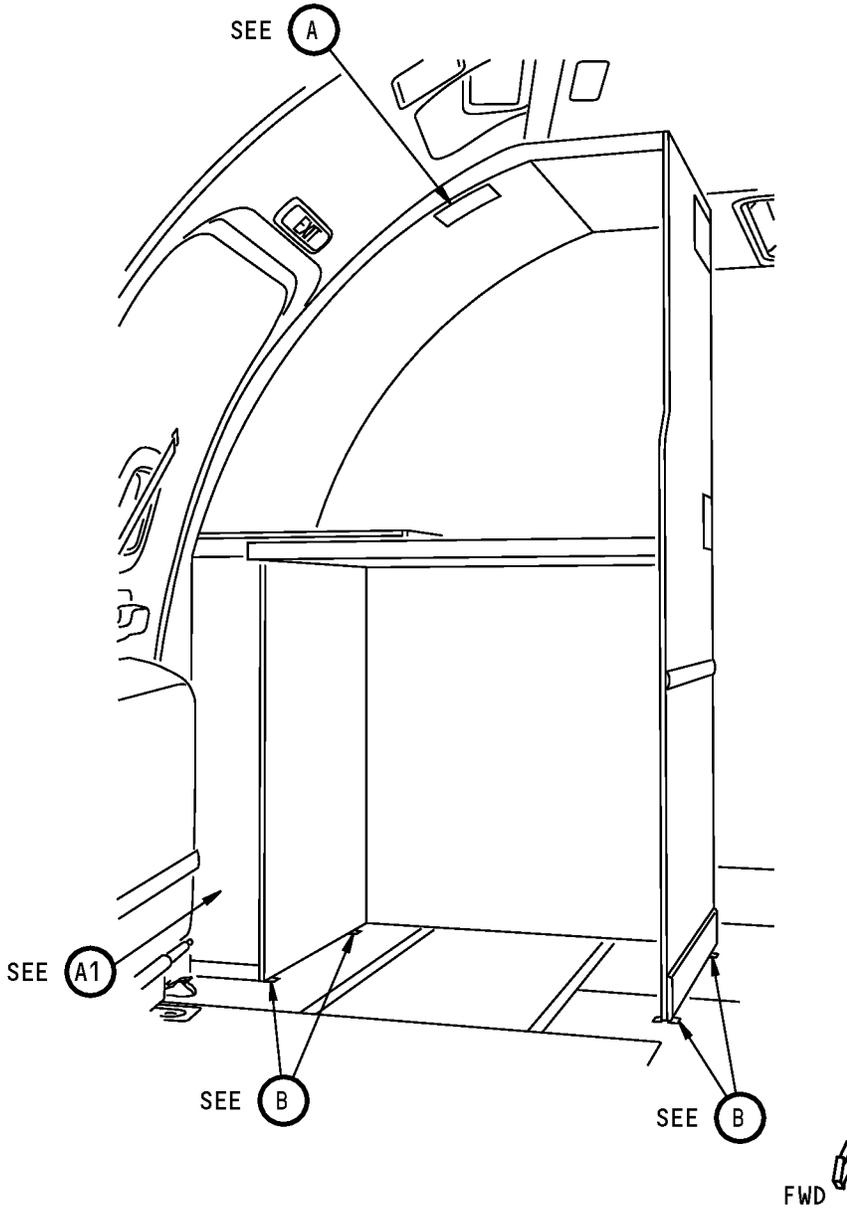
**Galley No. 2 Installation
Figure 401 (Sheet 1 of 7)/25-31-21-990-801**

EFFECTIVITY
HAP 001-013, 015-026, 028-030, 038, 041-047

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GALLEY NO. 2

**Galley No. 2 Installation
Figure 401 (Sheet 2 of 7)/25-31-21-990-801**

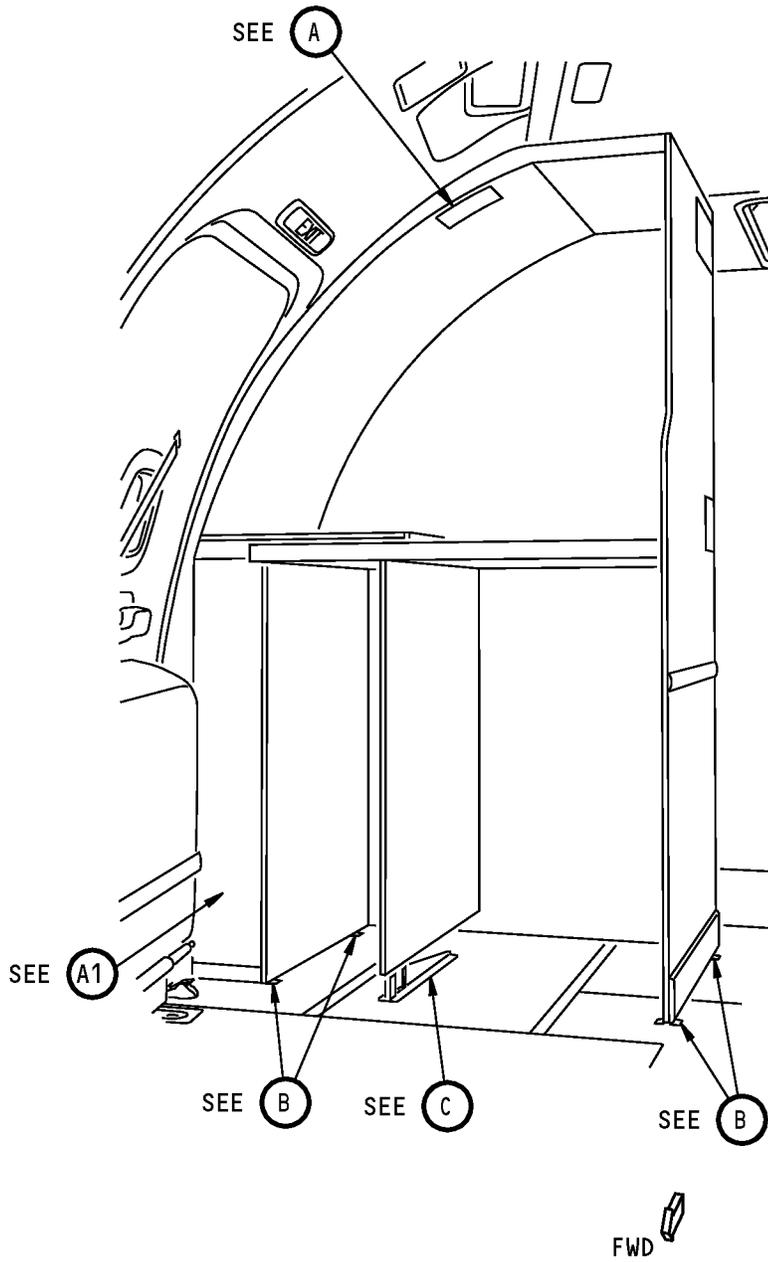
EFFECTIVITY
HAP 107-999

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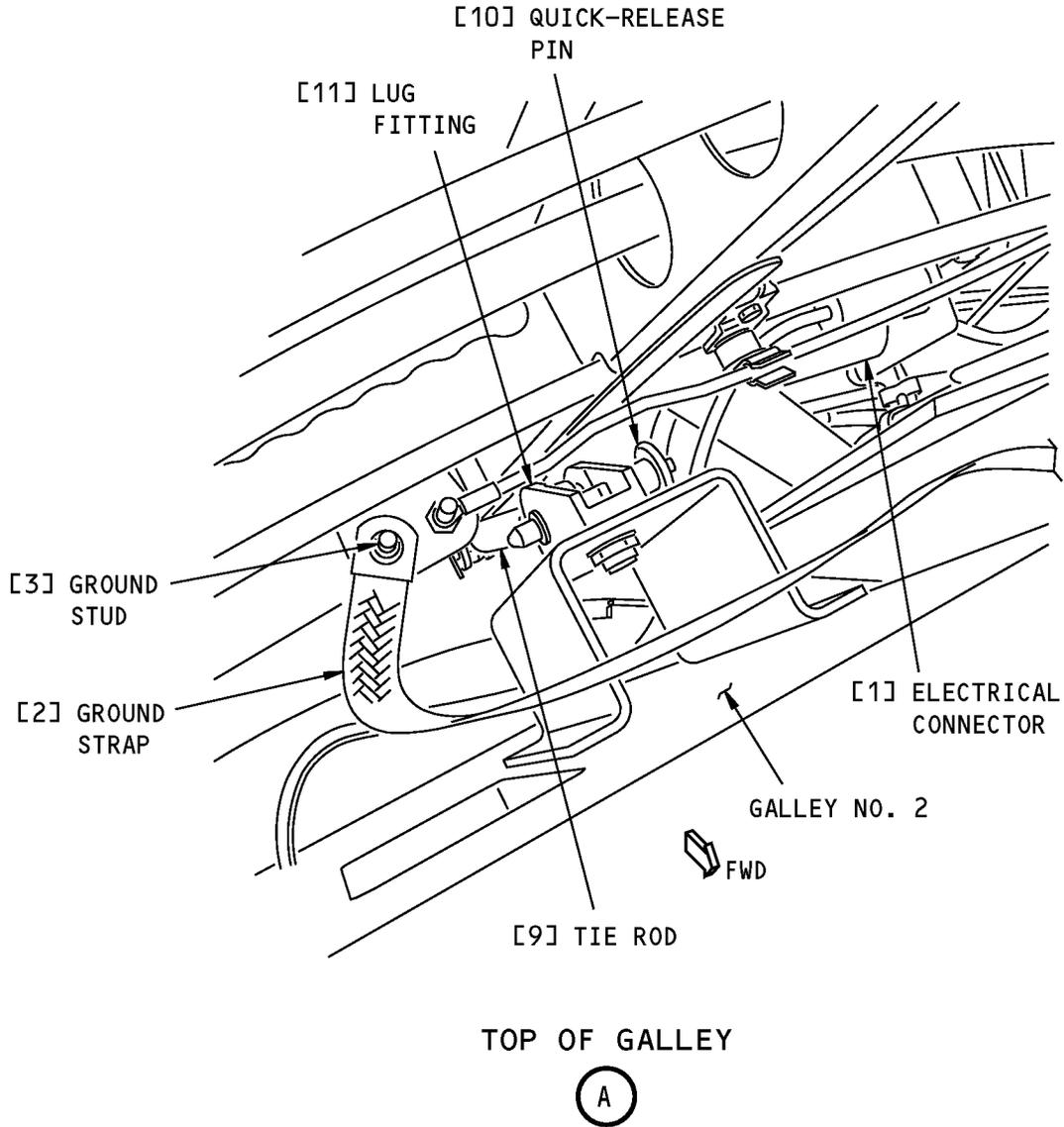


GALLEY NO. 2

**Galley No. 2 Installation
Figure 401 (Sheet 3 of 7)/25-31-21-990-801**

EFFECTIVITY
HAP 031-037, 039, 040, 048-054, 101-106

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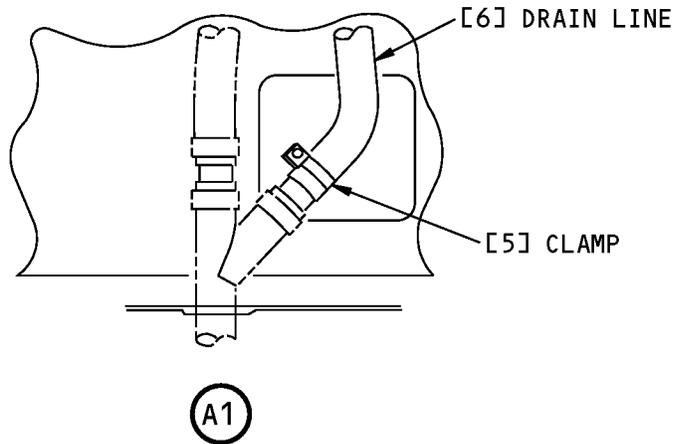
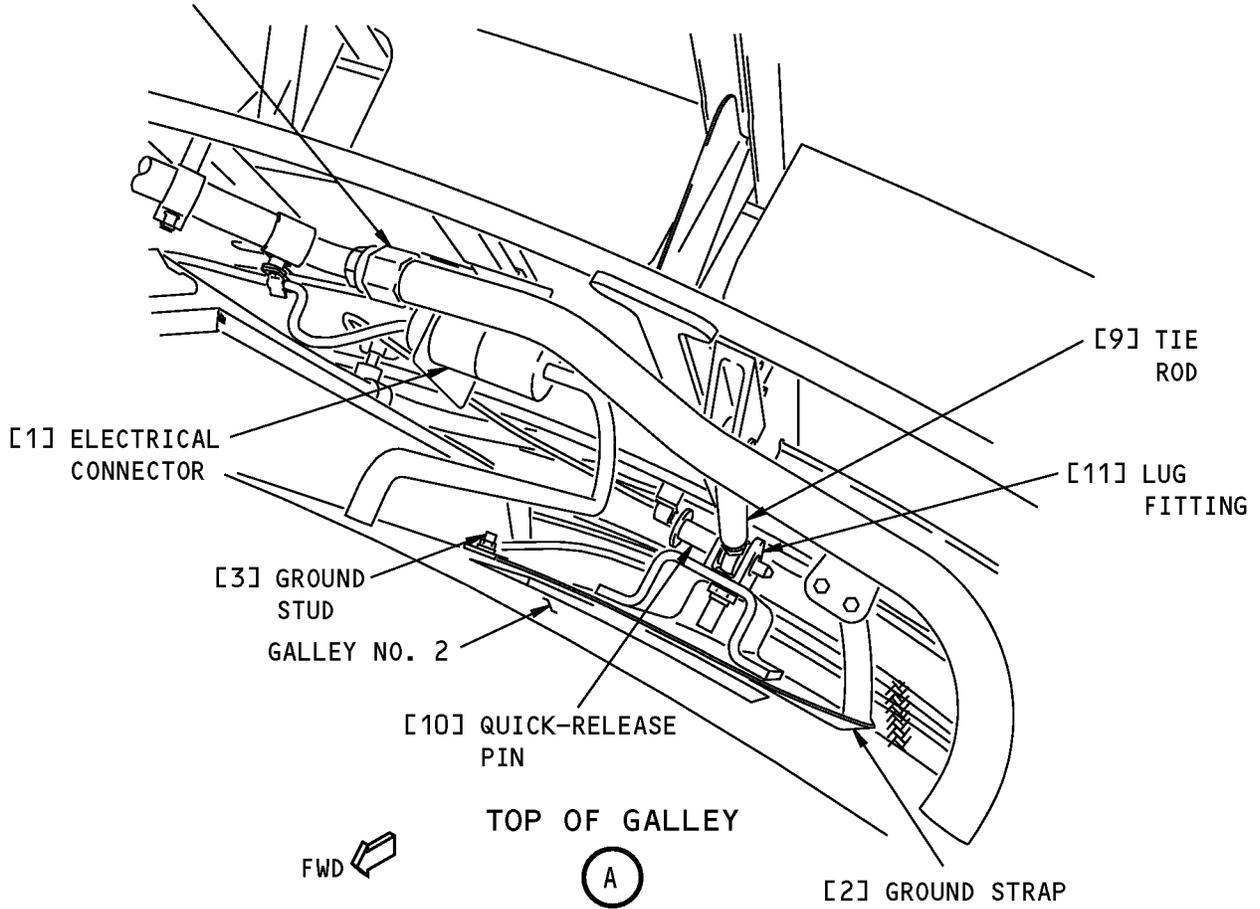


Galley No. 2 Installation
Figure 401 (Sheet 4 of 7)/25-31-21-990-801

EFFECTIVITY
HAP 001-013, 015-026, 028-030, 038, 041-047

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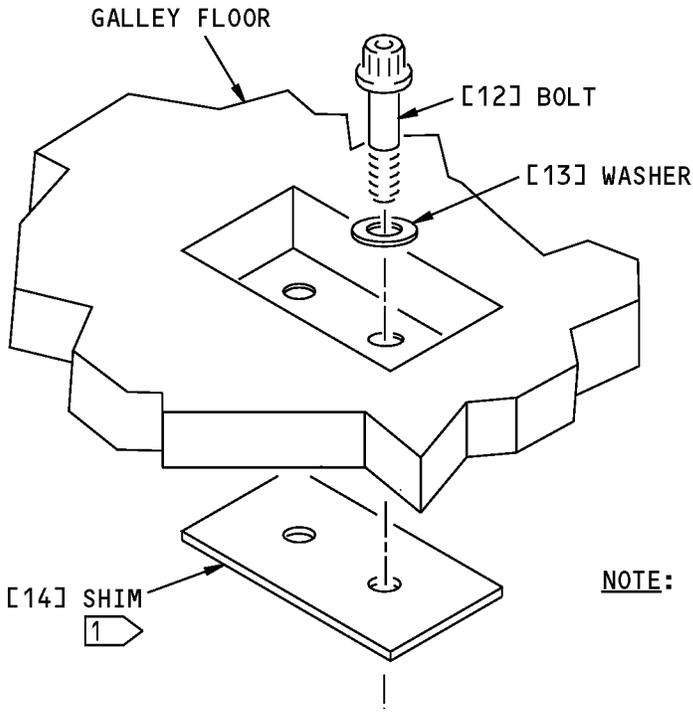
[4] WATER CONNECTION



Galley No. 2 Installation
Figure 401 (Sheet 5 of 7)/25-31-21-990-801

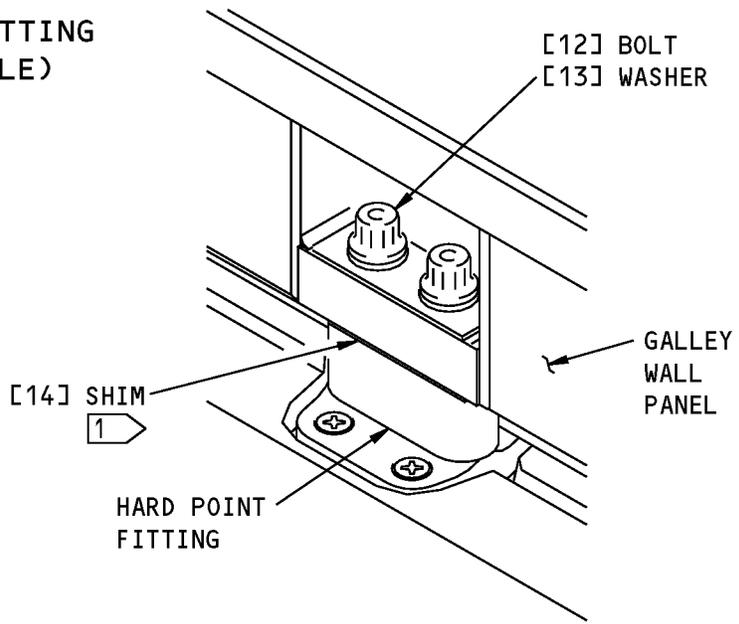
EFFECTIVITY
HAP 031-037, 039, 040, 048-054

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NOTE: SHIMS ARE INSTALLED BETWEEN GALLEY AND FLOOR.

**FLOOR FITTING
(EXAMPLE)
B**



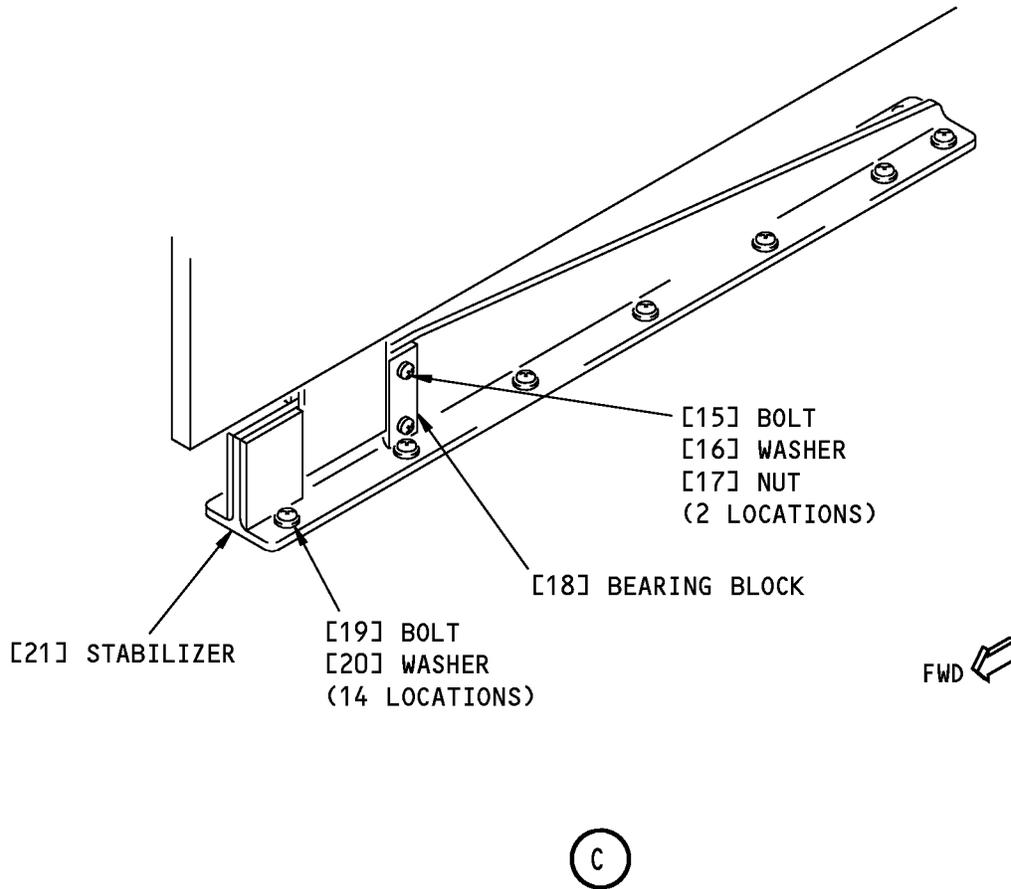
**FLOOR FITTING
(EXAMPLE)
B**

1 INSTALL SHIMS AS NECESSARY

**Galley No. 2 Installation
Figure 401 (Sheet 6 of 7)/25-31-21-990-801**

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**Galley No. 2 Installation
Figure 401 (Sheet 7 of 7)/25-31-21-990-801**

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GALLEY NO. 4 - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) Galley No. 4 Removal.
- (2) Galley No. 4 Installation.

TASK 25-31-41-000-801-005

2. Galley No. 4 Removal

(Figure 401)

A. General

- (1) If removing Galley No. 4 from the airplane, divide the galley. Refer to the galley manufacturer's Component Maintenance Manual for the steps to divide the galley.
- (2) Be careful during the removal of the galley to prevent damage to the galley mat. The galley mat is a cover on the floor panels in the galley area.

B. References

Reference	Title
25-21-24-000-801	Doorway Header Panel Removal, Aft Doors (P/B 401)
25-21-25-020-801	Sidewall Lining Panel Removal (Aft Entry and Service Doorways) (P/B 401)
25-21-71-000-801	Lowered Ceiling Removal (P/B 401)
25-40-14-000-801	Lavatory D Removal (P/B 401)
25-40-15-000-801	Lavatory E Removal (P/B 401)
33-51-14-960-802	Floor Proximity Light - Light Assembly Replacement (P/B 201)
38-42-00-800-801	Potable Water System - Pressure Release (P/B 201)

C. Location Zones

Zone	Area
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

D. Prepare for the Procedure

SUBTASK 25-31-41-010-003-005

- (1) Do this task: Lowered Ceiling Removal, TASK 25-21-71-000-801.

SUBTASK 25-31-41-010-004-005

- (2) Do this task: Doorway Header Panel Removal, Aft Doors, TASK 25-21-24-000-801.

SUBTASK 25-31-41-010-005-005

- (3) Do this task: Sidewall Lining Panel Removal (Aft Entry and Service Doorways), TASK 25-21-25-020-801.

SUBTASK 25-31-41-010-008-005

- (4) Do this task: Lavatory D Removal, TASK 25-40-14-000-801.

SUBTASK 25-31-41-010-009-005

- (5) Do this task: Lavatory E Removal, TASK 25-40-15-000-801.

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SUBTASK 25-31-41-860-010-005

WARNING: BE CAREFUL WHEN YOU ACCESS THE (ROW F) CIRCUIT BREAKERS ON THE INSIDE OF THE P91 AND P92 PANELS. IF POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER BEFORE YOU ACCESS THE CIRCUIT BREAKERS ON THE INSIDE OF THE P91 AND P92 PANELS. THE P91 AND P92 PANELS CONTAIN HIGH VOLTAGES AND CURRENTS THAT MAY CAUSE INJURIES TO PERSONS.

(6) Open these circuit breakers and install safety tags:

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
HAP 037-054, 101-999			
F	7	C00913	GALLEY BUS C
HAP ALL			
F	8	C00915	GALLEY BUS D

SUBTASK 25-31-41-010-010-005

(7) If applicable, do this task: Floor Proximity Light - Light Assembly Replacement, TASK 33-51-14-960-802.

SUBTASK 25-31-41-860-012-005

(8) Do this task: Potable Water System - Pressure Release, TASK 38-42-00-800-801.

SUBTASK 25-31-41-020-001-005

(9) Drain the water from the applicable galley equipment.

SUBTASK 25-31-41-010-011-005

(10) Refer to the galley manufacturer's Component Maintenance Manual for the steps to prepare the galley for the removal procedure.

- (a) Remove the equipment from the galley before doing the procedure.
- (b) Remove the necessary trim panels from the galley to complete the task.
- (c) Remove the necessary access panels from the galley to complete the task.

E. Procedure

SUBTASK 25-31-41-020-011-005

- (1) Disconnect the electrical power at the connections above the galley.
 - (a) Disconnect the electrical connectors [1].
 - (b) Disconnect the ground strap [2] from the ground stud [3] at the top of the galley.

SUBTASK 25-31-41-020-059-005

- (2) Do these steps to disconnect the galley water supply:
 - (a) Get access through the applicable access panel.
 - (b) If necessary, remove the insulation from around the galley water supply connection [4].
 - (c) Disconnect the water supply connection [4].

SUBTASK 25-31-41-020-055-005

- (3) Do these steps to disconnect the drain line:
 - (a) Through the applicable lower access panel, loosen the clamp [5], then disconnect the drain line [6].

SUBTASK 25-31-41-020-004-005

- (4) Disconnect the door flexible ducts [8].

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- (a) Through the applicable lower access panels, loosen the clamp [7], then disconnect the door flexible duct [8].

SUBTASK 25-31-41-020-005-005

- (5) Remove the four tie rods [9].

- (a) Remove the quick-release pin [10] that attaches the tie rod [9] to the galley lug fitting [11].

SUBTASK 25-31-41-020-006-005

- (6) Remove the coverplate on the floor hard points.

SUBTASK 25-31-41-020-007-005

- (7) Remove the grease from the attachment fitting to get access to the fasteners, if it is necessary.

SUBTASK 25-31-41-020-008-005

- (8) Remove the bolts [12], washers [13], and shims [14] at the four hard point locations.

NOTE: Keep the shims for the galley installation. Record the quantity of shims for a given location when you remove the shims.

SUBTASK 25-31-41-020-060

- (9) Do these steps to remove the stabilizer fitting(s) [21]:

- (a) Remove the bolts [15], washers [16], and nuts [17] at the bearing block [18].
 - (b) Remove the bearing block [18].
 - (c) Remove the bolts [19] and washers [20] at the stabilizer fitting(s) [21].
 - (d) Remove the stabilizer fitting(s) [21].

SUBTASK 25-31-41-020-010-005

- (10) Remove the galley.

————— END OF TASK —————

TASK 25-31-41-400-801-005

3. Galley No. 4 Installation

(Figure 401)

A. General

- (1) Be careful during the installation of the galley to prevent damage to the galley mat. The galley mat is a cover on the floor panels in the galley area.

B. References

Reference	Title
25-21-24-400-801	Doorway Header Panel Installation, Aft Doors (P/B 401)
25-21-25-420-801	Sidewall Lining Panel Installation (Aft Entry and Service Doorways) (P/B 401)
25-21-71-400-801	Lowered Ceiling Installation (P/B 401)
25-40-14-400-801	Lavatory D Installation (P/B 401)
25-40-15-400-801	Lavatory E Installation (P/B 401)
33-51-14-960-802	Floor Proximity Light - Light Assembly Replacement (P/B 201)
38-10-00-600-801	Potable Water System - Disinfectant (P/B 201)
38-10-00-790-801	Potable Water System - Leak Test (P/B 201)

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C. Consumable Materials

Reference	Description	Specification
A00027	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010, Type 60
A00930	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010, Type 109
B00083	Solvent - Aliphatic Naphtha (For Acrylic Plastics)	TT-N-95 Type II, ASTM D-3735 Type III
C00528	Compound - Corrosion Preventive, Petroleum Hot Application (Soft Film)	MIL-C-11796, Class III
G50327	Tape - Advanced Insulation Blanket	BMS5-157 Type I, Class 1, Grade B Composition MPVF
G50408	Foam - Flexible Polyvinylidene Fluoride	BMS8-371

D. Location Zones

Zone	Area
240	Subzone - Passenger Compartment - Body Station 663.75 to Body Station 1016.00

E. Procedure

SUBTASK 25-31-41-100-001-005

(1) Clean the galley mat on the floor in the galley area with solvent, B00083.

SUBTASK 25-31-41-350-001-005

(2) Repair the galley mat if it is necessary.

SUBTASK 25-31-41-420-001-005

(3) Move the galley inboard.

SUBTASK 25-31-41-820-001-005

(4) Assemble the galley. Refer to the galley manufacturer's Component Maintenance Manual for the steps to prepare the galley for the installation procedure.

SUBTASK 25-31-41-820-002-005

(5) Adjust the galley if it is necessary.

SUBTASK 25-31-41-420-002-005

(6) Put the galley into its correct position.

SUBTASK 25-31-41-420-003-005

(7) Install the floor seals and bond them with adhesive, A00027 or adhesive, A00930.

SUBTASK 25-31-41-420-004-005

(8) Install the bolts [12], washers [13], and shims [14] at the four floor hard points and apply compound, C00528 to bolts.

NOTE: Install the shims as necessary. The shim installation may not be more than 3 shims per attachment fitting.

SUBTASK 25-31-41-430-001

(9) Torque the bolts [12] to 107.5 ± 17.5 in-lb (12.1 ± 2.0 N·m) at the four hard point locations.

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SUBTASK 25-31-41-420-005-005

(10) Install the hard point coverplates and seal with adhesive, A00027 or adhesive, A00930.

SUBTASK 25-31-41-420-006-005

(11) Do these steps to install the stabilizer fittings [21]:

- (a) Put the stabilizer fittings [21] below the galley.
- (b) Make sure the bearing block [18] is not installed.
 - 1) Remove the bearing block [18], if it is necessary.
- (c) Install the stabilizer fitting [21] with the bolts [19] and washers [20].
- (d) Torque the bolts [19] to 22.5 ± 2.5 in-lb (2.5 ± 0.3 N·m)
- (e) Install the bearing block [18] on the stabilizer fittings [21].
- (f) Install the bolts [15], washers [16], and nuts [17] at the bearing block [18].
- (g) Seal the stabilizers with adhesive, A00930.

SUBTASK 25-31-41-820-003-005

(12) Attach the four tie rods [9] to the lug fittings [11] on the galley.

- (a) Adjust the tie rod [9] to the correct length.
 - 1) Adjust only the end of the assembly without the lockwasher and the lockwire.
 - 2) Make sure the thread of the tie rod blocks the inspection hole in the body of the tie rod.
 - 3) Tighten the jamnut.
- (b) Install the quick-release pin [10] at the galley end of the tie rod [9].

NOTE: Install the end of the tie rod [9] with the lockwasher and the lockwire at the fitting on the fuselage.

SUBTASK 25-31-41-420-007-005

(13) Connect the galley ground strap [2] to the ground stud [3].

- (a) Do a resistance check of the static ground from the ground stud [3] on the galley to the airplane ground stud.
- (b) Make sure the resistance is a maximum of 0.0025 Ohms.

SUBTASK 25-31-41-420-008-005

(14) Connect the electrical connectors [1] in the ceiling above the galley.

SUBTASK 25-31-41-420-072-005

(15) Connect the galley water supply connection [4].

SUBTASK 25-31-41-420-085-005

(16) If the water supply line is insulated, do these steps to wrap insulation foam and insulation tape on the water supply line:

- (a) Apply insulation foam, G50408 (BMS8-371) around the water supply connection [4].
- (b) Start the insulation foam, G50408 (BMS8-371) overlap below the water supply connection [4].
- (c) Continue to wind the insulation foam, G50408 (BMS8-371) around the fitting with a $0.2 + 0.3 / - 0.0$ in. ($5.1 + 7.6 / - 0.0$ mm) overlap for each turn.

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- (d) Complete the insulation foam, G50408 (BMS8-371) wrap approximately 2.0 in. (50.8 mm) above the end of the fitting.

NOTE: In areas where the fitting is bent to 90.0 degrees, small clearances between the insulation foam and the fitting are permitted. You can apply insulation foam (BMS8-371) in pieces.

- (e) Do these steps to wrap insulation tape around the insulation foam on the water supply line:
 - 1) Apply insulation tape, G50327 (BMS5-157) around the insulation foam, G50408 (BMS8-371).
 - 2) Start the insulation tape, G50327 (BMS5-157) overlap before the insulation foam, G50408 (BMS8-371) begins.
 - 3) Continue to wind the insulation tape, G50327 (BMS5-157) around the insulation foam, G50408 (BMS8-371) with a 0.2 +0.3 / -0.0 in. (5.1 +7.6 / -0.0 mm) overlap for each turn, and stop after the insulation foam, G50408 (BMS8-371) ends.
 - 4) Make sure the insulation tape, G50327 (BMS5-157) overlap seals over the ends of the insulation foam, G50408 (BMS8-371) fully.

NOTE: Make sure the insulation foam that is under the insulation tape does not show.

SUBTASK 25-31-41-420-029-005

- (17) Connect the water line [3] and tighten the clamp [6].

SUBTASK 25-31-41-420-093

- (18) Connect the door flexible duct [8] and tighten the clamp [7].

SUBTASK 25-31-41-420-012-005

- (19) Install the access covers and seal with adhesive, A00027 or adhesive, A00930.

SUBTASK 25-31-41-420-013-005

- (20) If applicable, do this task: Floor Proximity Light - Light Assembly Replacement, TASK 33-51-14-960-802.

F. Put the Airplane in Its Usual Condition.

SUBTASK 25-31-41-860-015-005

WARNING: BE CAREFUL WHEN YOU ACCESS THE (ROW F) CIRCUIT BREAKERS ON THE INSIDE OF THE P91 AND P92 PANELS. IF POSSIBLE, REMOVE AIRPLANE ELECTRICAL POWER BEFORE YOU ACCESS THE CIRCUIT BREAKERS ON THE INSIDE OF THE P91 AND P92 PANELS. THE P91 AND P92 PANELS CONTAIN HIGH VOLTAGES AND CURRENTS THAT MAY CAUSE INJURIES TO PERSONS.

- (1) Remove the safety tags and close these circuit breakers:

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
HAP 037-054, 101-999			
F	7	C00913	GALLEY BUS C
HAP ALL			
F	8	C00915	GALLEY BUS D

SUBTASK 25-31-41-410-001-005

- (2) Refer to the galley manufacturer's Component Maintenance Manual for the instructions to put the galley back to the serviceable condition.
 - (a) Replace the galley equipment removed before.

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(b) Replace the galley trim panels removed before.

SUBTASK 25-31-41-710-001-005

(3) Make sure the electrical components in the galley operate correctly.

SUBTASK 25-31-41-710-013

(4) If an exit light is installed on the galley, make sure that it illuminates.

SUBTASK 25-31-41-710-014

(5) If a floor proximity light is installed on the galley, make sure that it illuminates.

SUBTASK 25-31-41-710-015

(6) If a No Smoking Fasten Seat Belt sign is installed on the galley, make sure that it illuminates.

SUBTASK 25-31-41-710-002-005

(7) Do this task: Potable Water System - Leak Test, TASK 38-10-00-790-801.

SUBTASK 25-31-41-670-001-005

(8) Do this task: Potable Water System - Disinfectant, TASK 38-10-00-600-801.

SUBTASK 25-31-41-410-002-005

(9) Do this task: Lavatory D Installation, TASK 25-40-14-400-801.

SUBTASK 25-31-41-410-003-005

(10) Do this task: Lavatory E Installation, TASK 25-40-15-400-801.

SUBTASK 25-31-41-410-006-005

(11) Do this task: Sidewall Lining Panel Installation (Aft Entry and Service Doorways),
TASK 25-21-25-420-801.

SUBTASK 25-31-41-410-007-005

(12) Do this task: Doorway Header Panel Installation, Aft Doors, TASK 25-21-24-400-801.

SUBTASK 25-31-41-410-008-005

(13) Do this task: Lowered Ceiling Installation, TASK 25-21-71-400-801.

————— **END OF TASK** —————

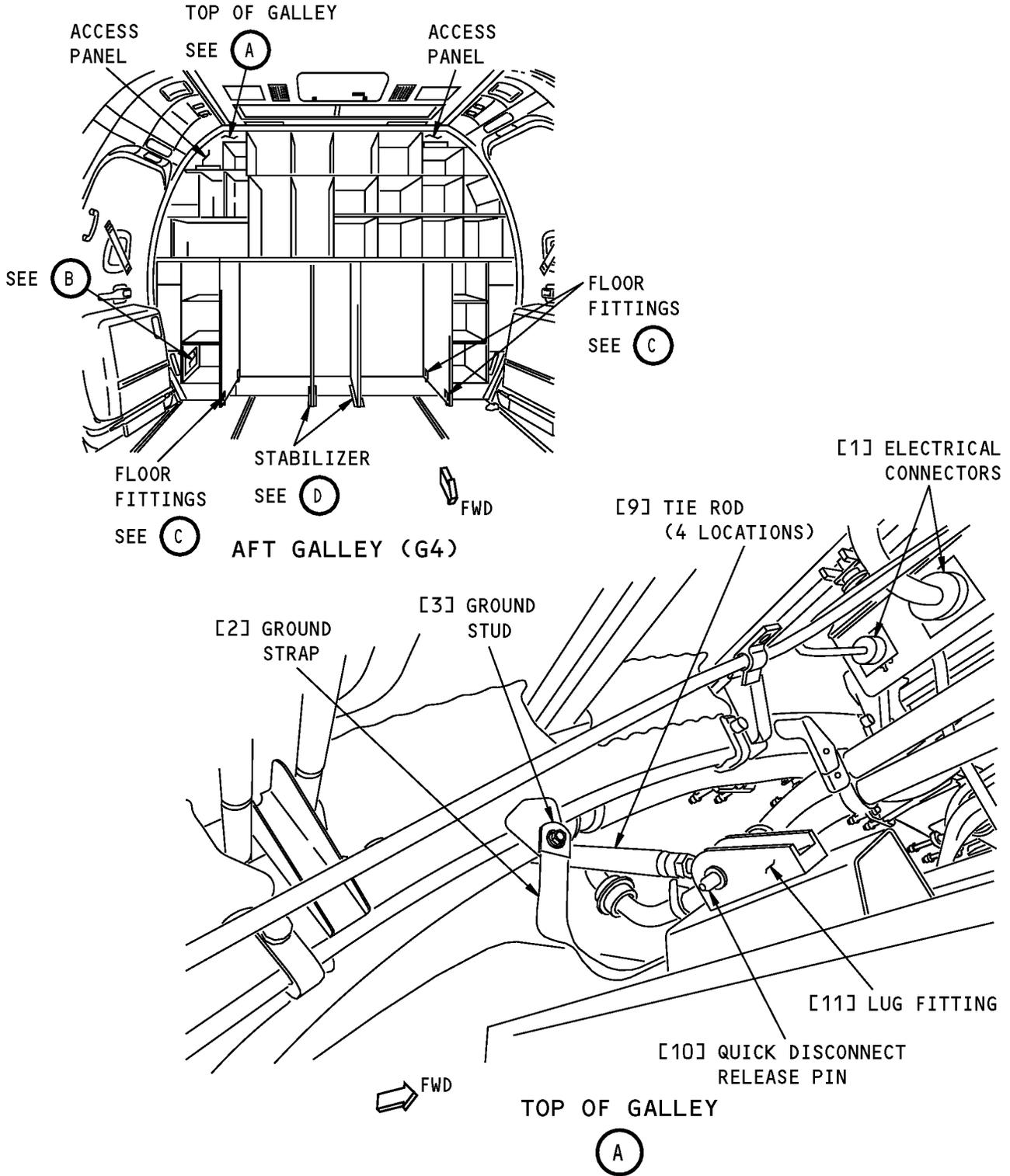
EFFECTIVITY
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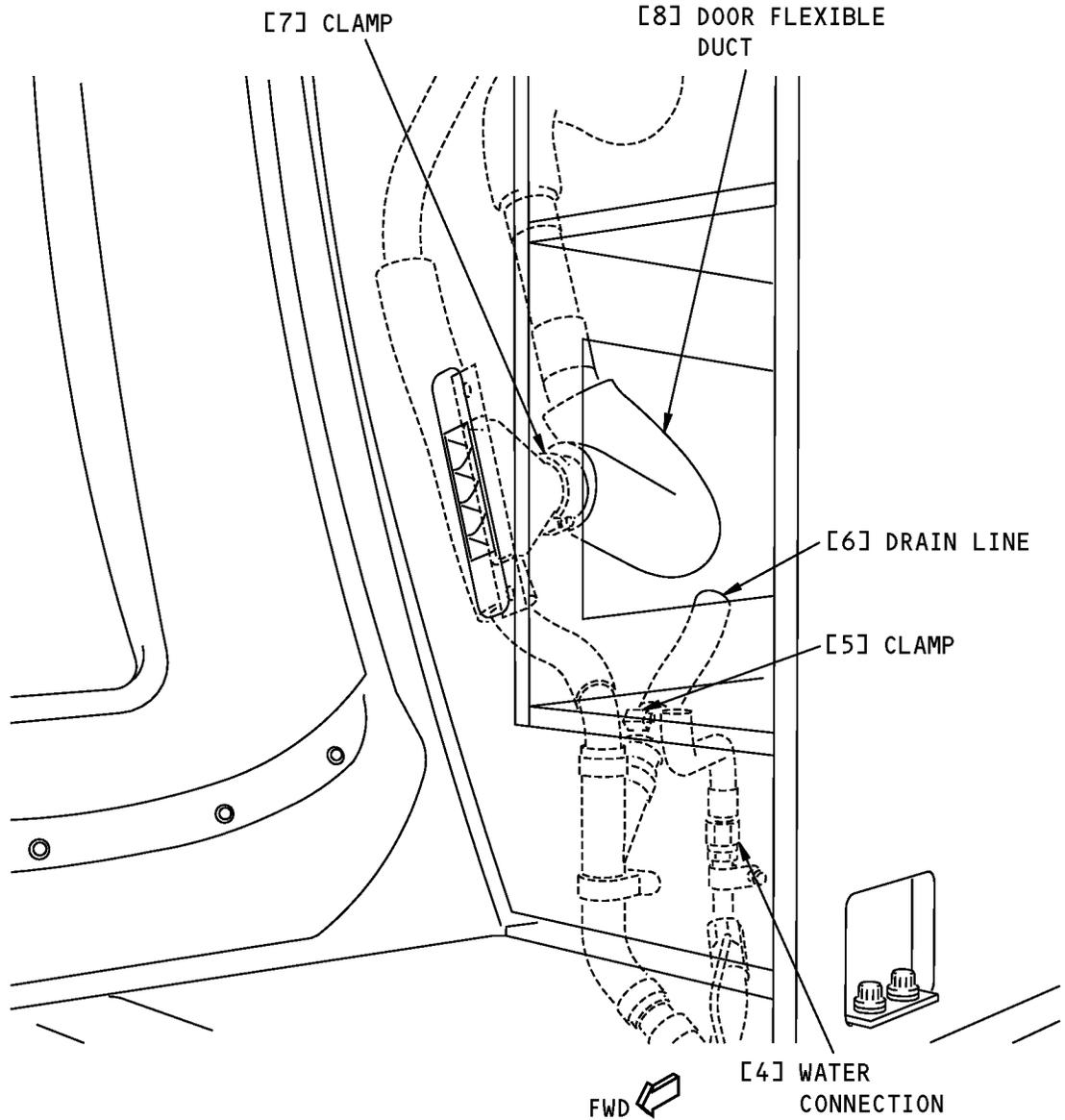
Galley No. 4 Installation
Figure 401 (Sheet 1 of 4)/25-31-41-990-801-005

EFFECTIVITY
HAP ALL

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(ACCESS PANEL REMOVED)

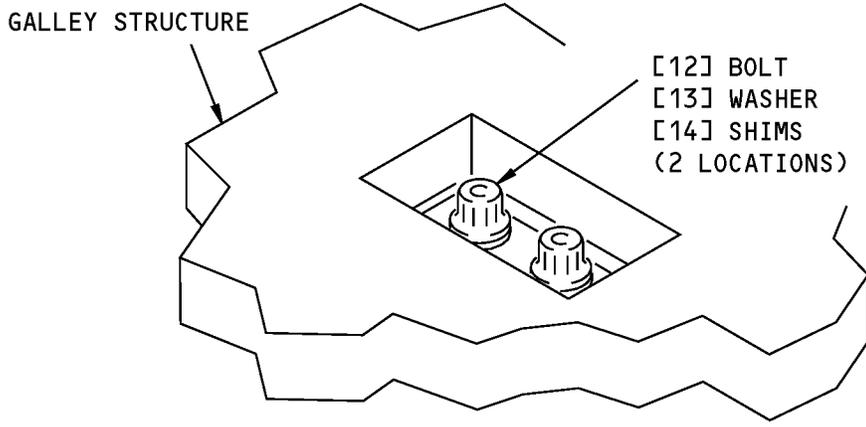
B

**Galley No. 4 Installation
Figure 401 (Sheet 2 of 4)/25-31-41-990-801-005**

EFFECTIVITY
HAP ALL

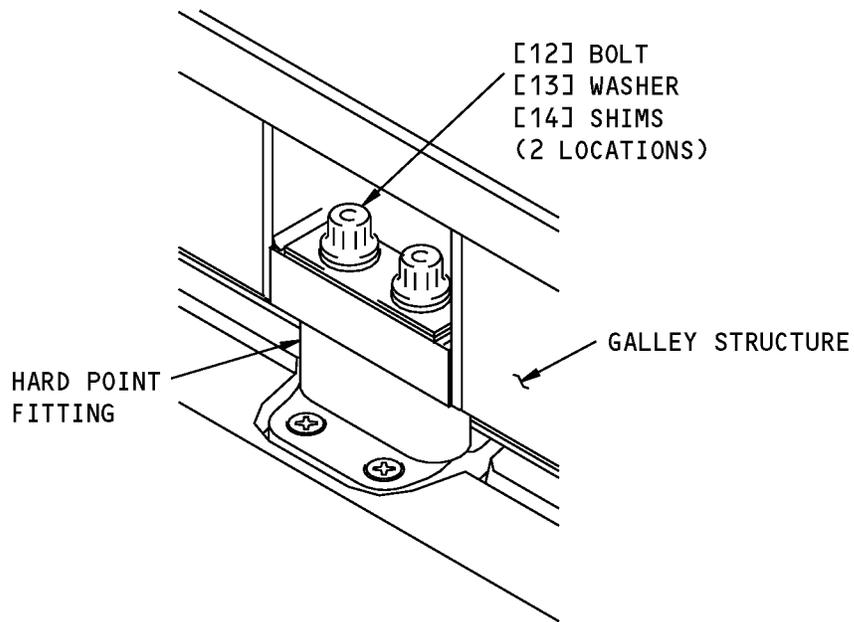
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FLOOR FITTING
(EXAMPLE)

(C)



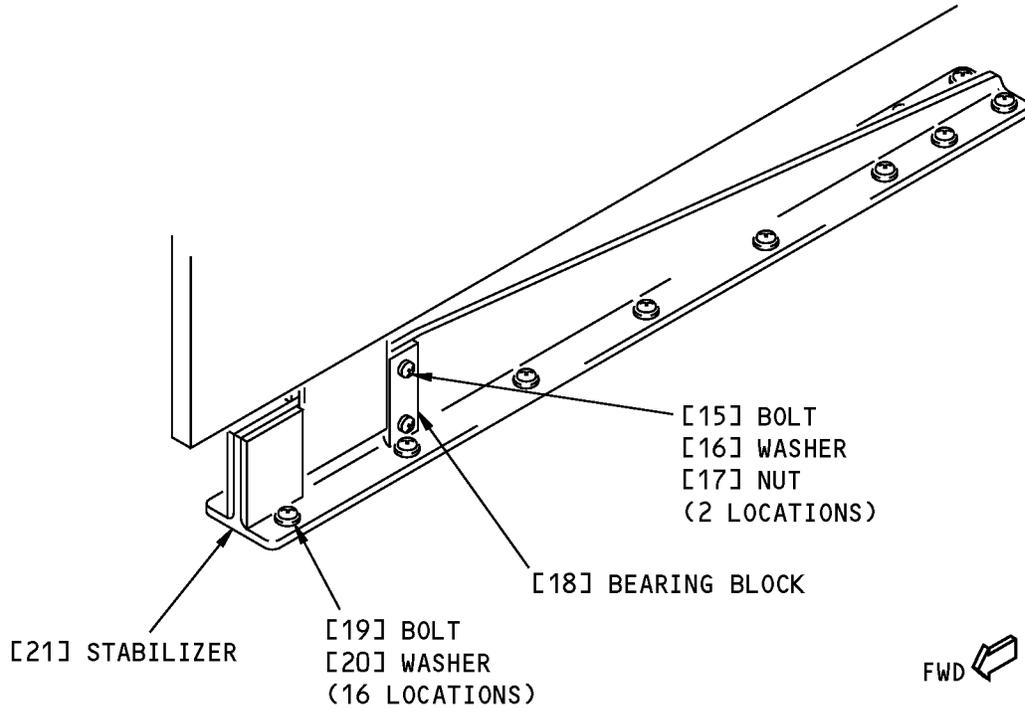
FLOOR FITTING
(EXAMPLE)

(C)

Galley No. 4 Installation
Figure 401 (Sheet 3 of 4)/25-31-41-990-801-005

EFFECTIVITY
HAP ALL

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STABILIZER



**Galley No. 4 Installation
Figure 401 (Sheet 4 of 4)/25-31-41-990-801-005**

EFFECTIVITY
HAP ALL

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AIRCRAFT MAINTENANCE MANUAL

GALLEY NO. 7 - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) Galley No. 7 Removal
- (2) Galley No. 7 Installation.

TASK 25-31-71-000-801

2. Galley No. 7 Removal

(Figure 401)

A. General

CAUTION: BE CAREFUL DURING THE REMOVAL OF THE GALLEY TO PREVENT DAMAGE TO THE GALLEY MAT. THE GALLEY MAT IS A COVER ON THE FLOOR PANELS IN THE GALLEY AREA.

- (1) The steps below will remove the Galley No. 7.

B. References

Reference	Title
25-21-30-020-801	Doorway Header Panel Removal, Forward Entry Door (P/B 401)
25-21-31-420-801	Sidewall Lining Panel Removal (Forward Entry Doorway) (P/B 401)
33-51-14-960-802	Floor Proximity Light - Light Assembly Replacement (P/B 201)

C. Location Zones

Zone	Area
231	Forward Passenger Compartment - Forward Entry Door to Sta 663.75 - Left

D. Prepare for the Procedure

SUBTASK 25-31-71-010-002

- (1) Do this task: Doorway Header Panel Removal, Forward Entry Door, TASK 25-21-30-020-801.

SUBTASK 25-31-71-010-003

- (2) Do this task: Sidewall Lining Panel Removal (Forward Entry Doorway), TASK 25-21-31-420-801.

SUBTASK 25-31-71-020-001

- (3) If applicable, do this task: Floor Proximity Light - Light Assembly Replacement, TASK 33-51-14-960-802.

SUBTASK 25-31-71-010-004

- (4) Remove the equipment from the galley before doing the procedure. Refer to the galley manufacturer's Component Maintenance Manual for the steps to prepare the galley for the removal procedure.

E. Procedure

SUBTASK 25-31-71-020-005

- (1) Remove the tie rod [7].

- (a) Remove the quick-release pin [8] that attaches the tie rod [7] to the galley lug fitting [9].

SUBTASK 25-31-71-020-015

- (2) Do these steps to remove the galley from the seat track fittings:

EFFECTIVITY
HAP 001-013, 015-026, 028-030

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(a) Remove the seat track fittings bolts [10] at the seat track locations.

SUBTASK 25-31-71-020-008

(3) Remove the galley.

SUBTASK 25-31-71-020-014

(4) If necessary, remove the seat track fitting [11] from the seat track locations.

————— END OF TASK —————

TASK 25-31-71-400-801

3. Galley No. 7 Installation

(Figure 401)

A. General

(1) Be careful during the installation of the galley to prevent damage to the galley mat. The galley mat is a cover on the floor panels in the galley area.

B. References

Reference	Title
24-22-00-860-811	Supply Electrical Power (P/B 201)
25-21-30-420-801	Doorway Header Panel Installation, Forward Entry Door (P/B 401)
25-21-31-420-802	Sidewall Lining Panel Installation (Forward Entry Doorway) (P/B 401)
33-51-14-960-802	Floor Proximity Light - Light Assembly Replacement (P/B 201)
51-21-92-600-801	Seat Track Filler Application (P/B 201)

C. Consumable Materials

Reference	Description	Specification
A00027	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010, Type 60
A00930	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010, Type 109
B00083	Solvent - Aliphatic Naphtha (For Acrylic Plastics)	TT-N-95 Type II, ASTM D-3735 Type III

D. Location Zones

Zone	Area
231	Forward Passenger Compartment - Forward Entry Door to Sta 663.75 - Left

E. Procedure

SUBTASK 25-31-71-160-001

(1) Clean the galley mat on the floor in the galley area with solvent, B00083.

SUBTASK 25-31-71-350-002

(2) Repair the galley mat if it is necessary.

SUBTASK 25-31-71-430-001

(3) If necessary, install the seat track fitting [11] and floor fitting [12] at the seat track locations.

SUBTASK 25-31-71-620-002

(4) Do this task: Seat Track Filler Application, TASK 51-21-92-600-801.

EFFECTIVITY HAP 001-013, 015-026, 028-030
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SUBTASK 25-31-71-820-004

(5) Move the galley inboard.

SUBTASK 25-31-71-410-007

(6) Refer to the galley manufacturer's Component Maintenance Manual for the steps to prepare the galley for the installation procedure.

SUBTASK 25-31-71-820-005

(7) Adjust the galley if it is necessary.

SUBTASK 25-31-71-820-006

(8) Put the galley into its correct position.

SUBTASK 25-31-71-390-001

(9) Install the floor seals and bond them with adhesive, A00027 or adhesive, A00930.

SUBTASK 25-31-71-430-012

(10) Do these steps to install the galley on the seat track fittings:

(a) Install the seat track fitting bolts [10] and washers [13] at the seat track locations.

SUBTASK 25-31-71-430-004

(11) Attach the tie rod [7] to the lug fitting [9] on the galley.

(a) Adjust the tie rod [7] to the correct length.

- 1) Adjust only the end of the assembly without the lockwasher and the lockwire.
- 2) Make sure the thread of the tie rod blocks the inspection hole in the body of the tie rod.
- 3) Tighten the jamnut.

(b) Install the quick-release pin [8] at the galley end of the tie rod [7].

NOTE: Install the end of the tie rod [7] with the lockwasher and the lockwire at the fitting on the fuselage.

SUBTASK 25-31-71-430-006

(12) Connect the galley ground strap [2] to the ground stud [3].

(a) Do a resistance check of the static ground from the ground stud [3] on the galley to the airplane ground stud.

(b) Make sure the resistance is a maximum of 0.0025 Ohms.

SUBTASK 25-31-71-410-008

(13) Install the access covers and seal with adhesive, A00027 or adhesive, A00930.

F. Put the Airplane in Its Usual Condition.

SUBTASK 25-31-71-430-010

(1) Install the galley trim panels.

SUBTASK 25-31-71-420-017

(2) Replace the galley equipment removed before. Refer to the galley manufacturer's Component Maintenance Manual for the instructions to put the galley back to the serviceable condition.

SUBTASK 25-31-71-861-001

(3) If necessary, do this task: Supply Electrical Power, TASK 24-22-00-860-811

SUBTASK 25-31-71-960-001

(4) If applicable, do this task: Floor Proximity Light - Light Assembly Replacement, TASK 33-51-14-960-802.

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HAP 001-013, 015-026, 028-030

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SUBTASK 25-31-71-420-018

- (5) Do this task: Sidewall Lining Panel Installation (Forward Entry Doorway),
TASK 25-21-31-420-802.

SUBTASK 25-31-71-420-019

- (6) Do this task: Doorway Header Panel Installation, Forward Entry Door,
TASK 25-21-30-420-801.

————— **END OF TASK** —————

EFFECTIVITY

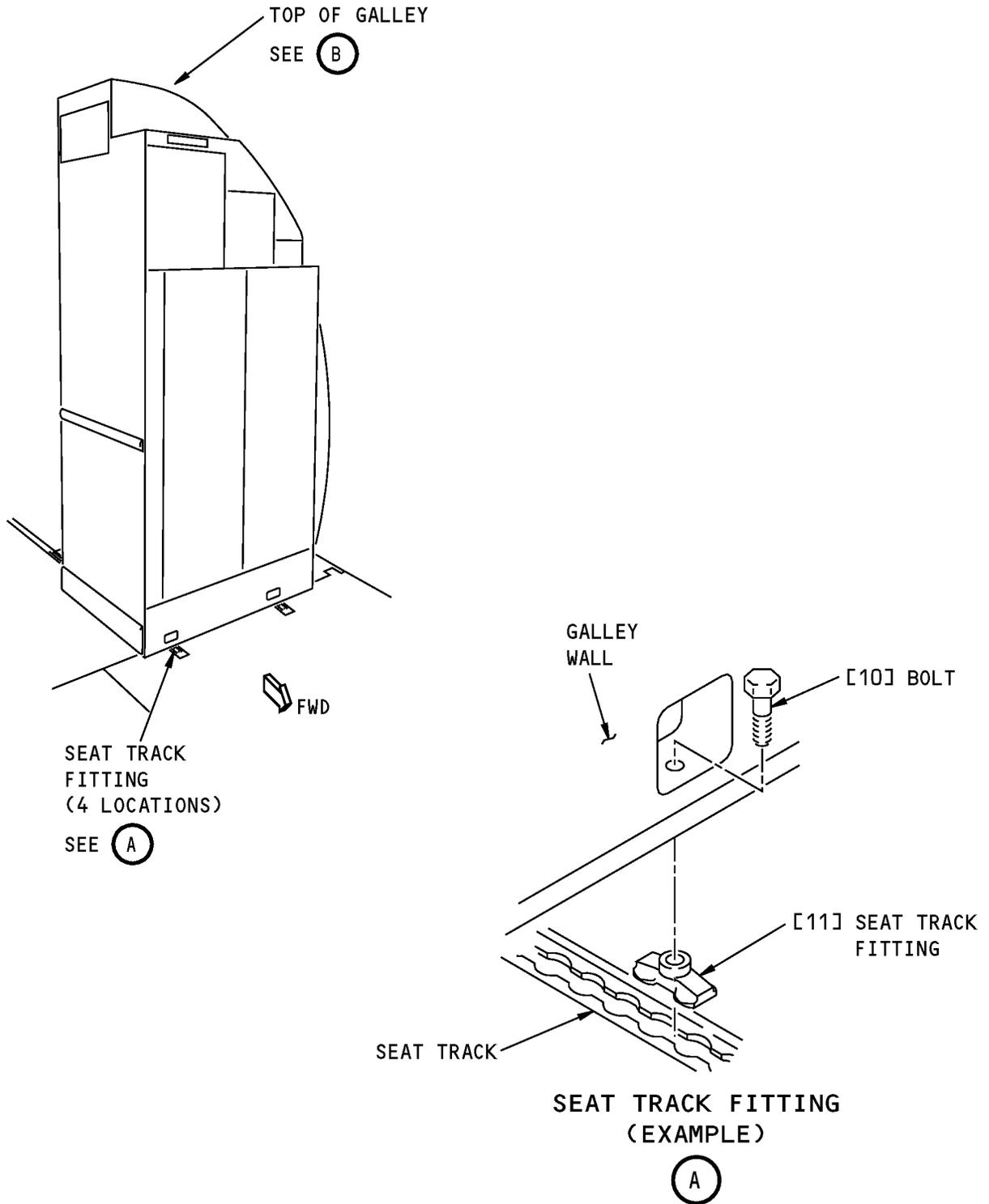
HAP 001-013, 015-026, 028-030

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**Galley 7 Installation
Figure 401/25-31-71-990-802**

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AIRCRAFT MAINTENANCE MANUAL

FORWARD GALLEY HEADER - REMOVAL/INSTALLATION

1. General

A. This procedure contains these tasks:

- (1) Forward Galley Header Removal,
- (2) Forward Galley Header Installation.

TASK 25-31-83-000-801

2. Forward Galley Header Removal

(Figure 401)

A. References

Reference	Title
25-21-71-000-805	Close Out Panel Removal, Forward Lowered Ceiling (P/B 401)

B. Location Zones

Zone	Area
222	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Right

C. Prepare for the Procedure

SUBTASK 25-31-83-010-001

- (1) Do this task: Close Out Panel Removal, Forward Lowered Ceiling, TASK 25-21-71-000-805.

D. Procedure

SUBTASK 25-31-83-000-001

- (1) Remove the curtain [2] from the track on the header [1].

SUBTASK 25-31-83-020-002

- (2) Remove the screws [4] and [5], and the washers [3] at four locations on the header [1].

SUBTASK 25-31-83-020-003

- (3) Remove the header [1] from the galleys.

————— **END OF TASK** —————

TASK 25-31-83-400-801

3. Forward Galley Header Installation

(Figure 401)

A. References

Reference	Title
25-21-71-400-805	Close Out Panel Installation, Forward Lowered Ceiling (P/B 401)

B. Location Zones

Zone	Area
222	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Right

C. Procedure

SUBTASK 25-31-83-400-001

- (1) Install the header [1] between the galleys.

EFFECTIVITY

HAP 001-013, 015-026, 028-030, 038, 041-054, 107-999

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SUBTASK 25-31-83-420-002

(2) Attach the header [1] with the screws [4] and [5], and the washers [3] at four locations.

SUBTASK 25-31-83-420-003

(3) Install the curtain [2] on the track of the header [1].

D. Put the Airplane in Its Usual Condition

SUBTASK 25-31-83-410-001

(1) Do this task: Close Out Panel Installation, Forward Lowered Ceiling, TASK 25-21-71-400-805.

————— **END OF TASK** —————

EFFECTIVITY

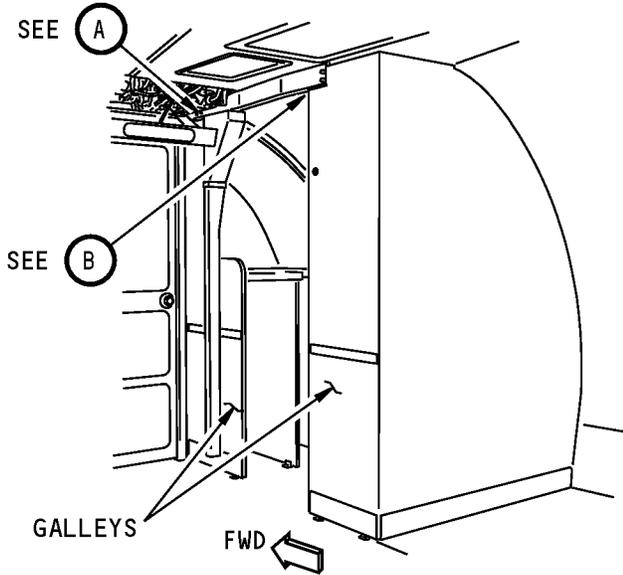
HAP 001-013, 015-026, 028-030, 038, 041-054, 107-999

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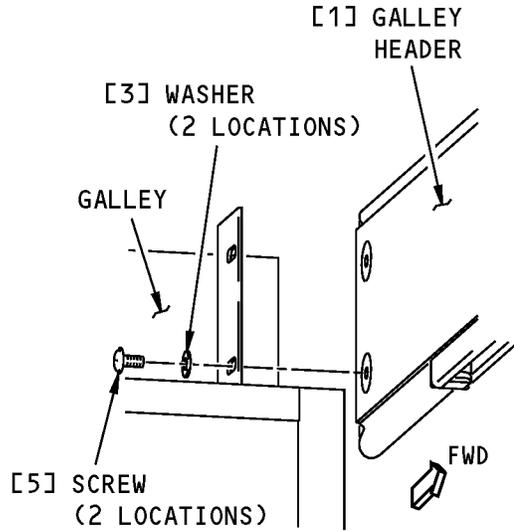
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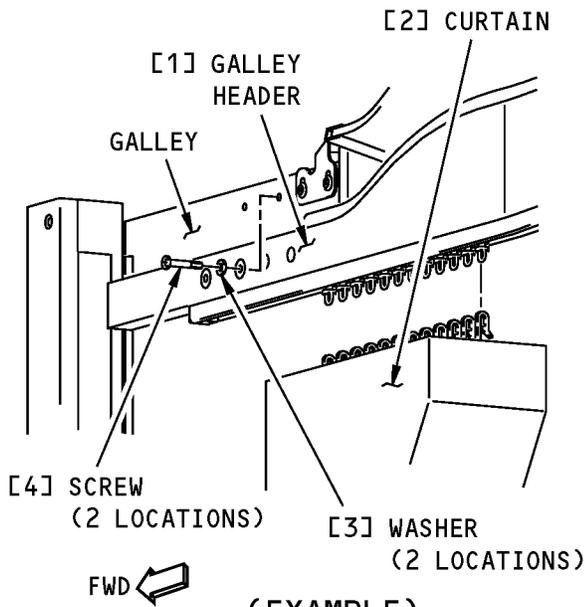
AIRCRAFT MAINTENANCE MANUAL



**FORWARD PASSENGER COMPARTMENT
(EXAMPLE)**

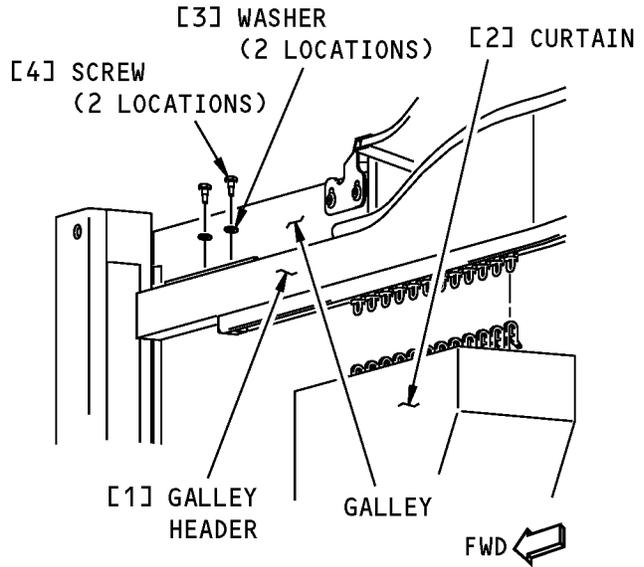


(B)



(EXAMPLE)

(A)



(EXAMPLE)

(A)

**Forward Galley Header Installation
Figure 401/25-31-83-990-801**

EFFECTIVITY
HAP 001-013, 015-026, 028-030, 038, 041-054, 107-999

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LAVATORY SEALANT - REMOVAL/INSTALLATION

1. General

A. This procedure has this task.

(1) Lavatory Sealant Installation.

TASK 25-40-01-400-801

2. Lavatory Sealant Installation

(Figure 401)

A. References

Reference	Title
51-31-00-160-801	Prepare For Sealing (P/B 201)
51-31-00-390-801	Non-Removable Faying (Mated) Surface Seal Application (P/B 201)
51-31-00-390-804	Fillet Seal Application (P/B 201)
51-31-00-390-805	Fastener Seal Application (P/B 201)

B. Consumable Materials

Reference	Description	Specification
A00027	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010, Type 60
A00635	Adhesive - Silicone Rubber RTV Paste, One-part - RTV 108 (Translucent)	MIL-A-46106
A00930	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010, Type 109
C00528	Compound - Corrosion Preventive, Petroleum Hot Application (Soft Film)	MIL-C-11796, Class III

C. Sealant Installation Procedure

SUBTASK 25-40-01-400-001

(1) FOR LAVATORIES WITH BI-FOLD DOORS;

Do these steps to apply sealant to the threshold area:

- (a) Remove the threshold [2] from the lavatory [1] if it is necessary.
- (b) Clean the areas that will be sealed (TASK 51-31-00-160-801).
- (c) Apply a bead of sealant [3] of RTV 108 adhesive, A00635 around the bi-fold door pivot hole [11] (TASK 51-31-00-390-801).
- (d) Install the threshold [2].
- (e) Remove the excess RTV 108 adhesive, A00635 from the the bi-fold door pivot hole [11].
- (f) Apply a fillet seal [4] around the interior edges of the threshold [2] with RTV 108 adhesive, A00635 (TASK 51-31-00-390-804).
- (g) Install the bi-fold door [5]

SUBTASK 25-40-01-400-002

(2) FOR LAVATORIES WITHOUT BI-FOLD DOORS;

Do these steps to apply sealant to the threshold area:

- (a) Clean the areas that will be sealed. (TASK 51-31-00-160-801)
- (b) Install the threshold [2].

EFFECTIVITY
HAP ALL

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- (c) Apply a fillet seal [4] around the interior edges of the threshold [2] with RTV 108 adhesive, A00635 (TASK 51-31-00-390-804).

SUBTASK 25-40-01-400-003

(3) If not already done, do these steps to apply sealant to each floor fitting:

- (a) Apply sealant [9] to the bolts in the lavatory floor fittings with compound, C00528(TASK 51-31-00-390-805).
- (b) Apply fay surface sealant [7] to the cover plate [6] with adhesive, A00027, adhesive, A00930 or compound, C00528(TASK 51-31-00-390-801).
- (c) Install the cover plate [6] on each lavatory fitting [8].

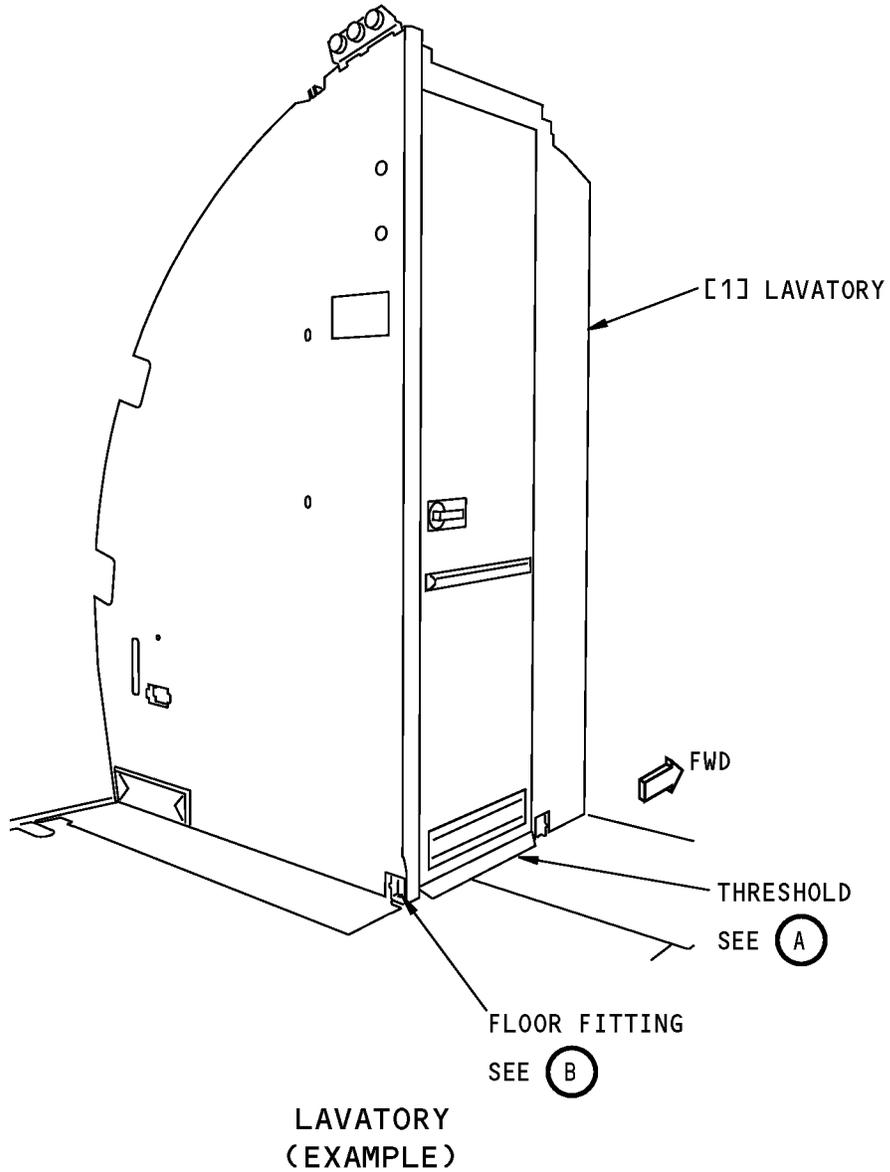
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EFFECTIVITY
HAP ALL

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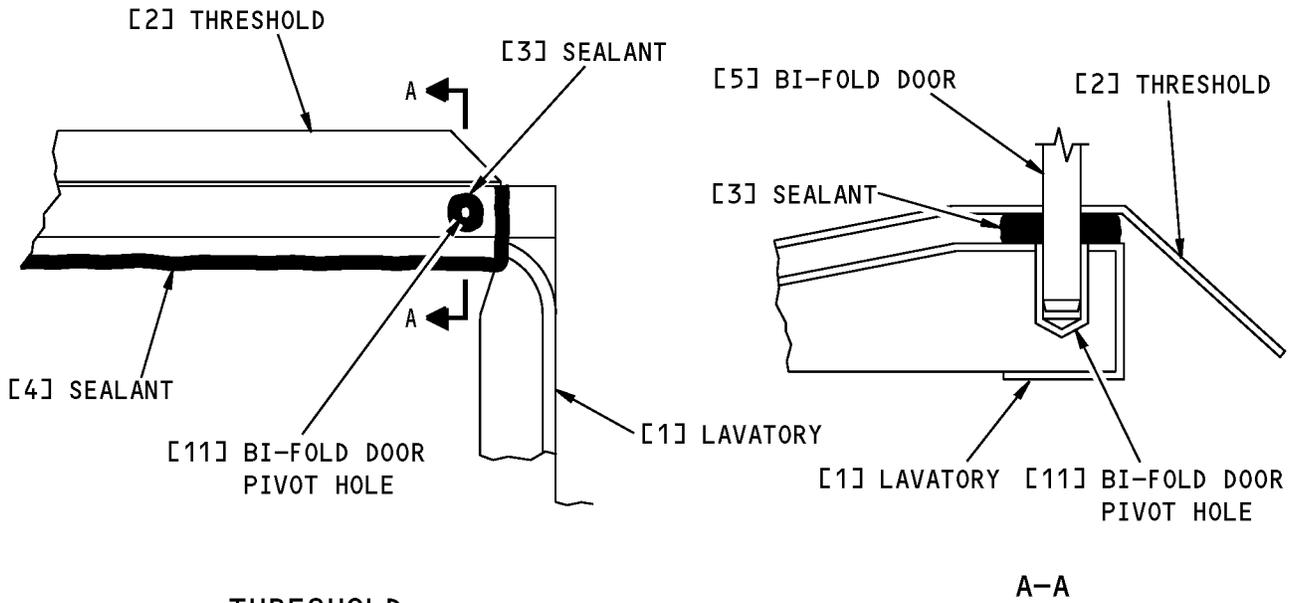
Lavatory Sealant Installation
Figure 401 (Sheet 1 of 3)/25-40-01-990-801

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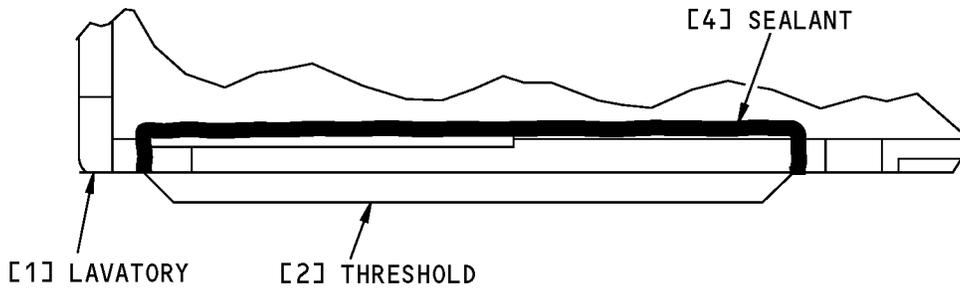
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**THRESHOLD
(LAVATORY WITH BI-FOLD DOOR)**

(A)



**THRESHOLD
(LAVATORY WITHOUT BI-FOLD DOOR)**

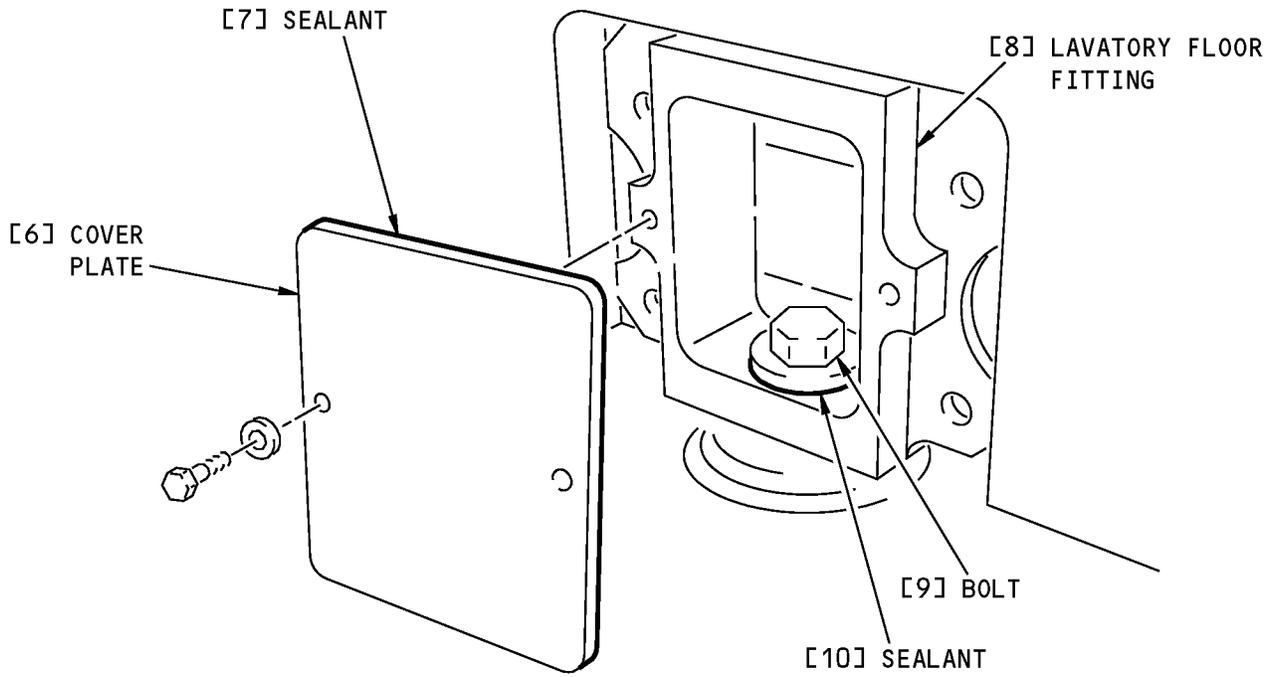
(A)

**Lavatory Sealant Installation
Figure 401 (Sheet 2 of 3)/25-40-01-990-801**

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**FLOOR FITTING
(EXAMPLE)**

(B)

**Lavatory Sealant Installation
Figure 401 (Sheet 3 of 3)/25-40-01-990-801**

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AIRCRAFT MAINTENANCE MANUAL

LAVATORY WASTE COMPARTMENT - INSPECTION/CHECK

1. General

- A. This procedure contains scheduled maintenance task data.
B. This procedure has this task:
(1) An inspection of the lavatory waste compartment.

TASK 25-40-08-200-801

2. Lavatory Waste Compartment Inspection

(Figure 601)

- A. General
(1) This procedure is a scheduled maintenance task.
B. Location Zones

Table with 2 columns: Zone, Area. Row 1: 200, Upper Half of Fuselage

HAP 001-013, 015-026, 028-030

- C. Waste Compartment Door Inspection Procedure

HAP 001-013, 015-026, 028-030; LAVATORIES WITH AN INNER WASTE COMPARTMENT DOOR

SUBTASK 25-40-08-210-001

- (1) Do these steps for lavatories with an inner waste compartment door and an outer waste compartment door to make sure the waste compartment doors close correctly:
(a) Open the outer waste compartment door.
(b) Open the inner waste compartment door and release it.
1) Make sure the springs close the inner door without your help.
(c) Make sure the inner door is not bent or blocked such that it does not close fully. It must close tightly to make sure it can contain a fire.
(d) Close the outer waste compartment door.
1) Make sure the latch holds the outer door closed.

HAP 001-013, 015-026, 028-030; LAVATORIES WITHOUT AN INNER WASTE COMPARTMENT DOOR

SUBTASK 25-40-08-800-001

- (2) Do these steps for lavatories that do not have an inner waste compartment door to make sure the outer waste compartment door closes correctly.
(a) Open the waste compartment door.
(b) Make sure the door and seals on the door are not damaged or blocked so that it does not fully close.
NOTE: The door must close tightly to make sure that it can contain a fire.
(c) Close the waste compartment door.
(d) Make sure the waste compartment door latches correctly and holds the door securely closed.

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HAP ALL
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HAP 001-013, 015-026, 028-030; LAVATORIES WITHOUT AN INNER WASTE COMPARTMENT DOOR (Continued)

HAP 001-013, 015-026, 028-030

SUBTASK 25-40-08-810-001

- (3) If you find any problems with the waste compartment, refer to the lavatory manufacturer's Component Maintenance Manual.

HAP 031-054, 101-999

D. Waste Compartment Door Inspection Procedure

SUBTASK 25-40-08-210-003

- (1) Do these steps to make sure the door closes tightly:
 - (a) Pull the latch at the bottom of the door to open the door.
 - (b) Push around the edge of the door plate on the inner side of the door.
 - 1) Make sure the door plate moves quickly back to its initial position.

NOTE: There are springs behind the door plate. These springs compress when the door is closed.

 - (c) Do a visual check of the door plate on the inner side of the door for general condition.
 - (d) Close the door.
 - (e) Do these steps to make sure the latches are fully engaged:
 - 1) Push the door in the upper and lower latch area.
 - 2) Make sure the lower latch is parallel to the door.

NOTE: If you can easily see red on the lower latch, the latches are not fully engaged.

SUBTASK 25-40-08-810-003

- (2) If you find any problems with the waste compartment, refer to the lavatory manufacturer's Component Maintenance Manual.

HAP ALL

E. Waste Compartment Flap Inspection Procedure

SUBTASK 25-40-08-210-002

- (1) Do these steps to make sure the waste compartment flap operates correctly:
 - (a) Push the waste compartment flap open.
 - (b) Release the waste compartment flap and make sure it closes fully.
 - (c) Make sure the waste compartment flap is not bent such that it does not close fully. It must close tightly to make sure it can contain a fire.

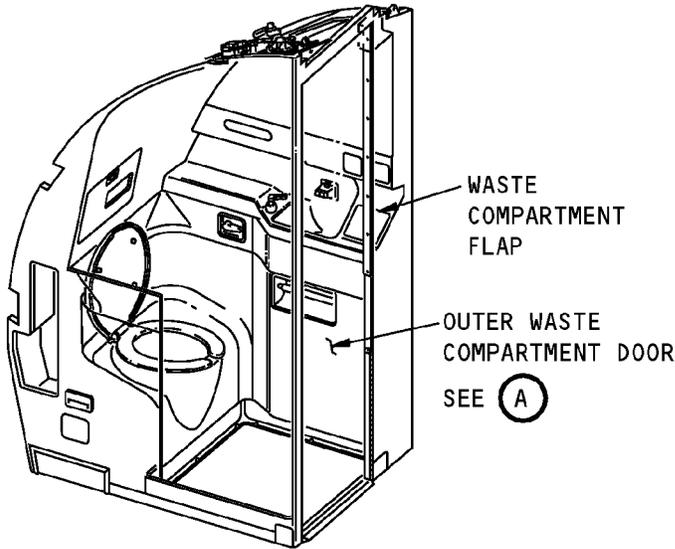
————— END OF TASK —————

EFFECTIVITY
HAP ALL

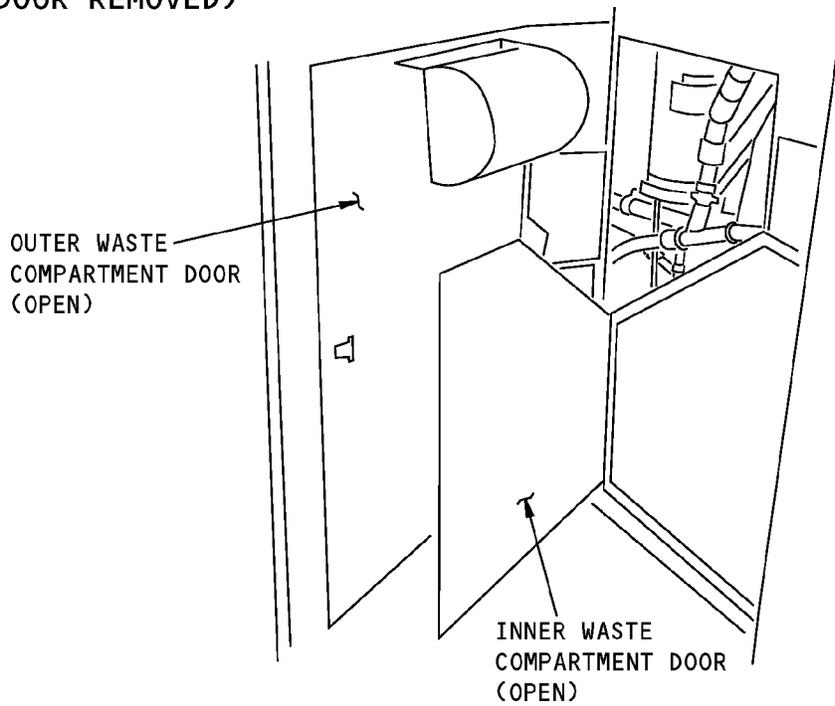
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**LAVATORY
(EXAMPLE)
(LAVATORY DOOR REMOVED)**



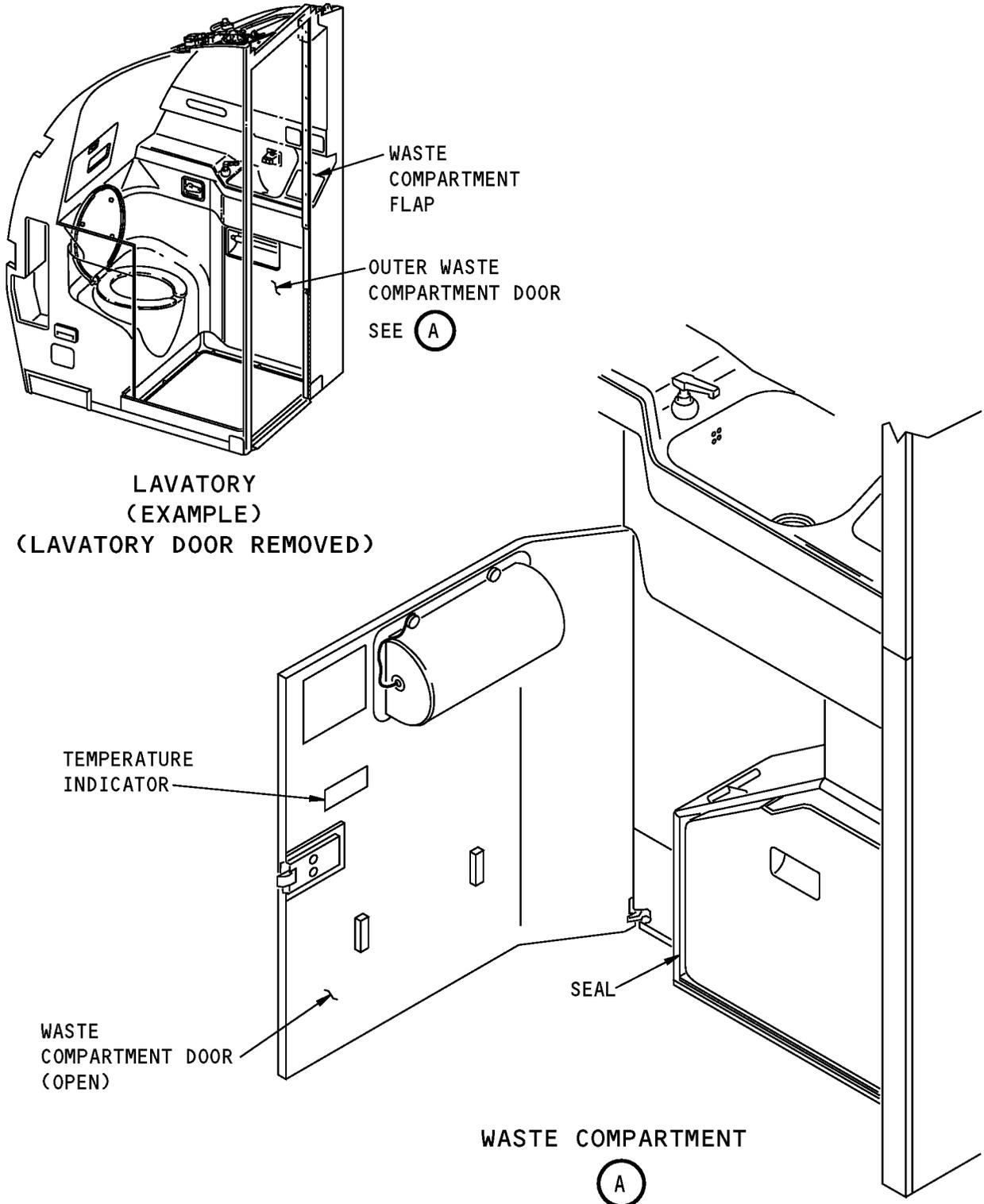
WASTE COMPARTMENT

(A)

**Lavatory Waste Compartment Inspection
Figure 601 (Sheet 1 of 3)/25-40-08-990-801**

EFFECTIVITY
HAP 001-013, 015-026, 028-030

25-40-08



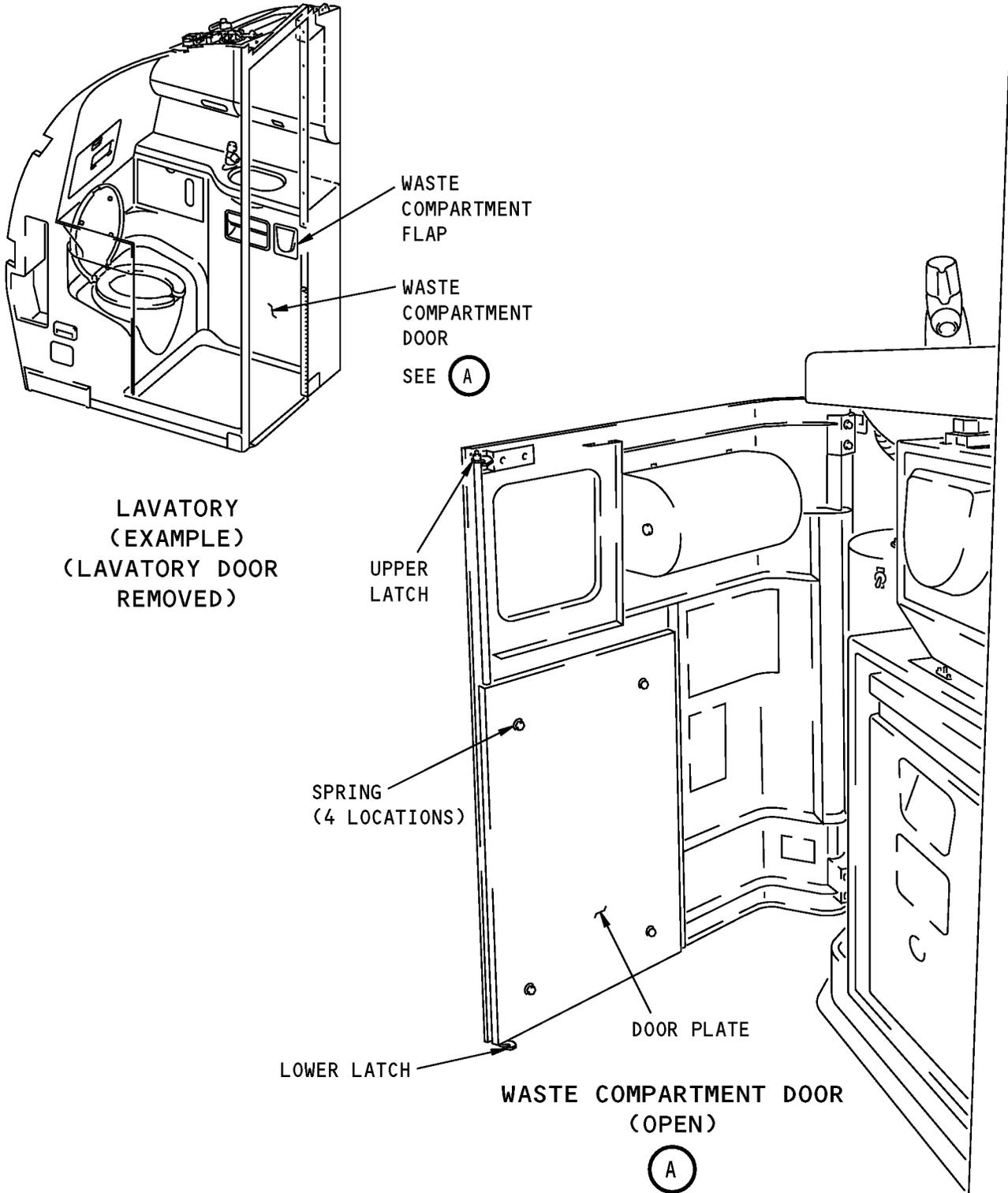
**Lavatory Waste Compartment Inspection
Figure 601 (Sheet 2 of 3)/25-40-08-990-801**

EFFECTIVITY
HAP 001-013, 015-026, 028-030

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**Lavatory Waste Compartment Inspection
Figure 601 (Sheet 3 of 3)/25-40-08-990-801**

EFFECTIVITY
HAP 031-054, 101-999

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AIRCRAFT MAINTENANCE MANUAL

MODULAR LAVATORY A - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) Lavatory A Removal.
- (2) Lavatory A Installation.

TASK 25-40-11-000-801

2. Lavatory A Removal

(Figure 401)

A. General

- (1) Be careful during the removal of the lavatory to prevent damage to the galley mat. The galley mat is a cover on the floor panels in the galley and lavatory area.

B. References

Reference	Title
23-31-07-000-801	Pre-Recorded Announcement Machine (PRAM) Removal (P/B 401)
23-42-01-000-801	Attendant Handset Removal (P/B 401)
23-42-01-000-802	Attendant Handset Cord Removal (P/B 401)
23-42-01-000-803	Attendant Handset Cradle Removal (P/B 401)
24-22-00-860-812	Remove Electrical Power (P/B 201)
25-11-02-000-802	Second Observer's Seat Removal (P/B 401)
25-11-21-000-801	Flight Compartment Forward Ceiling Panel Removal (P/B 201)
25-21-30-020-801	Doorway Header Panel Removal, Forward Entry Door (P/B 401)
25-21-31-420-801	Sidewall Lining Panel Removal (Forward Entry Doorway) (P/B 401)
25-21-71-000-801	Lowered Ceiling Removal (P/B 401)
25-23-13-000-801	Attendant/Lavatory Service Unit Removal (P/B 401)
25-24-15-000-804	Partition Removal (P/B 401)
25-25-11-000-801	Attendant's Panel and Components Removal (P/B 401)
25-25-12-000-801	Attendants' Seat Removal (P/B 401)
25-31-71-000-801	Galley No. 7 Removal (P/B 401)
26-14-01-000-801	Lavatory Smoke Detector Removal (P/B 401)
33-14-00-000-801	Left Dome Light - Removal (P/B 201)
38-32-00-040-801	Toilet Deactivation (P/B 201)
38-32-01-000-838-002	Vacuum Toilet Assembly Removal (P/B 401)
38-42-00-800-801	Potable Water System - Pressure Release (P/B 201)
52-51-00-000-801	Crew Door Removal (P/B 401)
52-51-01-000-801	Flight Compartment Door Removal (P/B 401)

C. Location Zones

Zone	Area
221	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Left

D. Prepare for the Procedure

SUBTASK 25-40-11-040-001

- (1) Do this task: Toilet Deactivation, TASK 38-32-00-040-801.

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SUBTASK 25-40-11-860-001

(2) Do this task: Remove Electrical Power, TASK 24-22-00-860-812.

SUBTASK 25-40-11-020-011

(3) If applicable, do this task: Pre-Recorded Announcement Machine (PRAM) Removal, TASK 23-31-07-000-801.

SUBTASK 25-40-11-010-002

(4) Do this task: Attendant's Panel and Components Removal, TASK 25-25-11-000-801.

SUBTASK 25-40-11-010-003

(5) If applicable, remove the attendants handset.

(a) Do this task: Attendant Handset Removal, TASK 23-42-01-000-801.

(b) Do this task: Attendant Handset Cord Removal, TASK 23-42-01-000-802.

(c) Do this task: Attendant Handset Cradle Removal, TASK 23-42-01-000-803.

SUBTASK 25-40-11-010-004

(6) Do this task: Attendants' Seat Removal, TASK 25-25-12-000-801.

SUBTASK 25-40-11-010-005

(7) Do this task: Crew Door Removal, TASK 52-51-00-000-801 or Flight Compartment Door Removal, TASK 52-51-01-000-801.

SUBTASK 25-40-11-010-006

(8) Do this task: Left Dome Light - Removal, TASK 33-14-00-000-801.

SUBTASK 25-40-11-010-007

(9) Do this task: Flight Compartment Forward Ceiling Panel Removal, TASK 25-11-21-000-801.

SUBTASK 25-40-11-010-008

(10) If applicable, do this task: Second Observer's Seat Removal, TASK 25-11-02-000-802.

SUBTASK 25-40-11-010-009

(11) If applicable, remove the fire axe from the flight compartment.

SUBTASK 25-40-11-010-010

(12) Do this task: Attendant/Lavatory Service Unit Removal, TASK 25-23-13-000-801.

NOTE: Lav Service Unit (Oxygen box) must be removed before lav can be moved because of overhead structural frame.

SUBTASK 25-40-11-010-011

(13) Do this task: Lavatory Smoke Detector Removal, TASK 26-14-01-000-801.

SUBTASK 25-40-11-010-012

(14) Do this task: Lowered Ceiling Removal, TASK 25-21-71-000-801.

SUBTASK 25-40-11-010-013

(15) Do this task: Doorway Header Panel Removal, Forward Entry Door, TASK 25-21-30-020-801.

SUBTASK 25-40-11-010-014

(16) Do this task: Sidewall Lining Panel Removal (Forward Entry Doorway), TASK 25-21-31-420-801.

HAP 001-013, 015-026, 028-030

SUBTASK 25-40-11-010-015

(17) If applicable, do this task: Galley No. 7 Removal, TASK 25-31-71-000-801.

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HAP 001-013, 015-026, 028-030 (Continued)

HAP 031-037, 039-041, 047, 054, 101-106

SUBTASK 25-40-11-010-016

(18) If applicable, do this task: Partition Removal, TASK 25-24-15-000-804.

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SUBTASK 25-40-11-870-001

(19) Do this task: Potable Water System - Pressure Release, TASK 38-42-00-800-801.

SUBTASK 25-40-11-680-001

(20) Drain the water from the applicable lavatory equipment.

SUBTASK 25-40-11-010-020

(21) Disconnect toilet from airplane systems tube only, removing toilet is optional Vacuum Toilet Assembly Removal, TASK 38-32-01-000-838-002.

NOTE: Time can be saved if toilet remains in lav.

SUBTASK 25-40-11-010-021

(22) Refer to the lavatory manufacturer's Component Maintenance Manual for the steps to prepare the lavatory for the removal procedure.

- (a) Remove the necessary trim panels from the lavatory to complete the task.
- (b) Remove the necessary access panels from the lavatory to complete the task.
- (c) Remove the necessary hose grommets from the lavatory to complete the task.

E. Procedure

SUBTASK 25-40-11-020-001

(1) Disconnect the electrical connections [2] above the lavatory [1].

SUBTASK 25-40-11-030-001

(2) Disconnect the ground connection from the lavatory [1].

HAP 001-013, 015-026, 028-030

(a) Remove the nut [3] and washer [4] from the ground stud [5] at the top of the lavatory [1].

HAP 031-054, 101-999

(b) Remove the nut [3] and washer [4] from the ground stud [5] at the back of the lavatory [1].

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(c) Disconnect the ground strap [6] from the ground stud [5].

SUBTASK 25-40-11-020-002

(3) Disconnect the gasper air supply at the connection at the rear of the lavatory [1].

- (a) Get access through the applicable access panel in the rear of the lavatory [1].
- (b) Disconnect the gasper air connection [7] at the rear of the lavatory [1].

SUBTASK 25-40-11-020-003

(4) Disconnect the water supply at the connection at the rear of the lavatory [1].

- (a) Get access through the applicable access panel in the rear of the lavatory [1].
- (b) Disconnect the water supply connection [8] at the rear of the lavatory [1].

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SUBTASK 25-40-11-020-004

- (5) Disconnect the drain line at the connection at the rear of the lavatory [1].
(a) Get access through the applicable access panel in the rear of the lavatory [1].
(b) Loosen the clamp [9], then disconnect the drain line [10].

SUBTASK 25-40-11-020-005

- (6) Disconnect the door flexible duct [11].
(a) Get access through the applicable access panel in the rear of the lavatory [1].
(b) Loosen the clamp [12] at the two ends of the door flexible duct.
(c) Remove the door flexible duct [11] from the lavatory [1].

SUBTASK 25-40-11-020-006

- (7) Remove the two tie rods [13] and [14].
(a) Remove the cotter pin [15], pin [16] and washer [17] at the two ends of the tie rods [13] and [14].
(b) Remove the two tie rods [13] and [14], from the lavatory [1] and the airplane structure.

SUBTASK 25-40-11-020-007

- (8) Remove the coverplate on the hard point fittings.

SUBTASK 25-40-11-020-008

- (9) Remove the grease from the attachment fitting to get access to the fasteners, if it is necessary.

SUBTASK 25-40-11-020-009

- (10) Remove the bolt [18], washer [19], and shims [20] at the four hard point fittings.

SUBTASK 25-40-11-020-010

- (11) Remove the lavatory [1].

END OF TASK

TASK 25-40-11-400-801

3. Lavatory A Installation

(Figure 401)

A. References

Table with 2 columns: Reference and Title. Lists various task references and their corresponding titles, such as 'Passenger Address System - Operational Test (P/B 501)' and 'Pre-Recorded Announcement Machine (PRAM) Installation (P/B 401)'.

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(Continued)

Reference	Title
25-25-11-400-801	Attendant's Panel and Components Installation (P/B 401)
25-25-12-400-801	Attendants' Seat Installation (P/B 401)
25-31-71-400-801	Galley No. 7 Installation (P/B 401)
25-40-01-400-801	Lavatory Sealant Installation (P/B 401)
26-14-00-730-801	Lavatory Smoke Detection - Smoke Test (P/B 501)
26-14-01-400-801	Lavatory Smoke Detector Installation (P/B 401)
33-14-00-400-801	Left Dome Light - Installation (P/B 201)
33-20-00-710-801-001	Passenger Compartment Lights - Operational Test (P/B 501)
38-10-00-600-801	Potable Water System - Disinfectant (P/B 201)
38-10-00-790-801	Potable Water System - Leak Test (P/B 201)
38-32-00-420-801	Toilet Activation (P/B 201)
38-32-00-700-802	Toilet - Operational Test (P/B 501)
38-32-01-400-838-002	Vacuum Toilet Assembly Installation (P/B 401)
52-51-00-400-801	Crew Door Installation (P/B 401)
52-51-01-400-801	Flight Compartment Door Installation (P/B 401)

B. Consumable Materials

Reference	Description	Specification
A00027	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010, Type 60
A00930	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010, Type 109
B00083	Solvent - Aliphatic Naphtha (For Acrylic Plastics)	TT-N-95 Type II, ASTM D-3735 Type III
C00528	Compound - Corrosion Preventive, Petroleum Hot Application (Soft Film)	MIL-C-11796, Class III

C. Location Zones

Zone	Area
221	Passenger Compartment - Aft of Control Compartment to Forward Entry Door - Left

D. Procedure

SUBTASK 25-40-11-110-001

- (1) Clean the galley mat on the floor in the galley area with solvent, B00083.

NOTE: The galley mat is a cover on the floor panels in the galley and lavatory area.

SUBTASK 25-40-11-350-001

- (2) Repair the galley mat if it is necessary.

SUBTASK 25-40-11-420-001

- (3) Move the lavatory [1] inboard.

SUBTASK 25-40-11-820-001

- (4) Refer to the lavatory manufacturer's Component Maintenance Manual for the steps to prepare the lavatory [1] for the installation procedure.
 - (a) Replace the necessary hose grommets to complete task.
 - (b) Install the necessary access panels to the lavatory to complete task.

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- (c) Install the trim panels to the lavatory to complete the task.

SUBTASK 25-40-11-420-002

CAUTION: REMOVE AND INSTALL THE LAVATORY CAREFULLY. YOU CAN CAUSE DAMAGE TO THE GALLEY MAT.

- (5) Put the lavatory [1] on the hard point fittings until the lavatory floor is parallel with the airplane floor.

SUBTASK 25-40-11-420-003

- (6) Install the shims [20] at the forward hard points.

- (a) The clearance between the top of the hard point fittings and the bottom of the lavatory fittings must come to 0.01 inches (0.254 mm).
- (b) The shim maximum thickness must not be more than 0.10 inches (2.54 mm).
- (c) Install shims [20] until the clearance comes to 0.01 inches (0.254 mm).

SUBTASK 25-40-11-420-004

- (7) Install the lavatory [1] fasteners.

- (a) Apply compound, C00528 to the bolts [18] and washers [19].
- (b) Install the bolt [18] and washer [19] at the four hard point fittings.
- (c) Tighten the bolts [18] to 150 in-lb (17 N·m) and make sure that a layer of compound, C00528 seals the connection.

SUBTASK 25-40-11-400-002

- (8) Do this task: Lavatory Sealant Installation, TASK 25-40-01-400-801.

- (a) During this task, install cover plates, threshold (if removed), and kickstrips (if applicable).

SUBTASK 25-40-11-820-002

- (9) Attach the two tie rods [13] and [14] to the fittings on the lavatory [1] and the airplane structure.

- (a) Adjust the tie rods [13] and [14] to the correct length.
- 1) After the last tie rod adjustments are completed, make sure that the inspection holes at the two ends of the tie rods [13] and [14] are blocked and the threads are visible in the inspection holes.
 - 2) Tighten the jamnuts with your fingers.
 - 3) If the pin-to-pin length of the tie rod [14] is larger than 4 inches, install a second jamnut on the tie rod.
 - 4) Make sure that the tie rods [13] and [14] are installed with the jamnut at the lower end.
- (b) Install the pin [16] and washer [17] at the two ends of the tie rods [13] and [14].
- (c) Lock the pin [16] and washer [17] at the two ends of the tie rod with the cotter pin [15].

SUBTASK 25-40-11-390-001

- (10) Install a layer of adhesive, A00027 or adhesive, A00930 between the edge of the lavatory and the airplane floor.

SUBTASK 25-40-11-420-006

- (11) Connect the water supply at the connection at the rear of the lavatory [1].

- (a) Get access through the applicable access panel in the rear of the lavatory [1].
- (b) Connect the water supply connection [8] at the rear of the lavatory [1].

SUBTASK 25-40-11-420-007

- (12) Connect the drain line [10] at the connection at the rear of the lavatory [1].

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- (a) Through the applicable rear access panel, connect the drain line [10].
- (b) Tighten the clamp [9] at the end of the drain line [10].

SUBTASK 25-40-11-420-008

- (13) Connect the gasper air supply at the connection at the rear of the lavatory [1].
 - (a) Get access through the applicable access panel in the rear of the lavatory [1].
 - (b) Connect the gasper air connection [7] at the rear of the lavatory [1].

SUBTASK 25-40-11-420-009

- (14) Connect the door flexible duct [11].
 - (a) Through the applicable rear access panel, connect the door flexible duct [11].
 - (b) Tighten the clamp [12] at the two ends of the door flexible duct [11].

SUBTASK 25-40-11-420-012

- (15) Connect the ground connection to the lavatory [1].

HAP 001-013, 015-026, 028-030

- (a) Connect the ground strap [6] to the ground stud [5] on the top of the lavatory [1].

HAP 031-054, 101-999

- (b) Connect the ground strap [6] to the ground stud [5] on the back of the lavatory [1].

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- (c) Install the nut [3] and washer [4] on the ground stud [5].
- (d) Do a resistance check of the static ground from the ground stud [5] on the lavatory [1] to the airplane ground stud.
- (e) Make sure the resistance is a maximum of 0.0025 Ohms.

SUBTASK 25-40-11-420-011

- (16) Connect the electrical connectors [2] in the ceiling above the lavatory [1].

E. Put the Airplane in Its Usual Condition

SUBTASK 25-40-11-410-001

- (1) Refer to the lavatory manufacturer's Component Maintenance Manual for the instructions to put the lavatory back to the serviceable condition.
 - (a) Replace the lavatory hose grommets removed before.
 - (b) Replace the lavatory access panels removed before.
 - (c) Replace the lavatory trim panels removed before.

SUBTASK 25-40-11-410-002

- (2) Do this task: Vacuum Toilet Assembly Installation, TASK 38-32-01-400-838-002.

SUBTASK 25-40-11-790-001

- (3) Do this task: Potable Water System - Leak Test, TASK 38-10-00-790-801.

SUBTASK 25-40-11-670-001

- (4) Do this task: Potable Water System - Disinfectant, TASK 38-10-00-600-801.

HAP 031-037, 039-041, 047, 054, 101-106

SUBTASK 25-40-11-410-004

- (5) If applicable, do this task: Partition Installation, TASK 25-24-15-400-801.

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HAP 031-037, 039-041, 047, 054, 101-106 (Continued)

HAP 001-013, 015-026, 028-030

SUBTASK 25-40-11-410-007

- (6) If applicable, do this task: Galley No. 7 Installation, TASK 25-31-71-400-801.

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SUBTASK 25-40-11-410-008

- (7) Do this task: Sidewall Lining Panel Installation (Forward Entry Doorway), TASK 25-21-31-420-802.

SUBTASK 25-40-11-410-009

- (8) Do this task: Doorway Header Panel Installation, Forward Entry Door, TASK 25-21-30-420-801.

SUBTASK 25-40-11-410-010

- (9) Do this task: Lowered Ceiling Installation, TASK 25-21-71-400-801.

SUBTASK 25-40-11-410-011

- (10) Do this task: Lavatory Smoke Detector Installation, TASK 26-14-01-400-801.

SUBTASK 25-40-11-410-012

- (11) Do this task: Attendant/Lavatory Service Unit Installation, TASK 25-23-13-400-801.

SUBTASK 25-40-11-410-013

- (12) Do this task: Crew Door Installation, TASK 52-51-00-400-801 or Flight Compartment Door Installation, TASK 52-51-01-400-801.

SUBTASK 25-40-11-410-014

- (13) Do this task: Left Dome Light - Installation, TASK 33-14-00-400-801.

SUBTASK 25-40-11-410-015

- (14) Do this task: Flight Compartment Ceiling Panel Installation, TASK 25-11-21-400-801.

SUBTASK 25-40-11-410-016

- (15) If applicable, do this task: Second Observer's Seat Installation, TASK 25-11-02-400-802.

SUBTASK 25-40-11-410-017

- (16) If applicable, install the fire axe in the flight compartment.

SUBTASK 25-40-11-410-018

- (17) Do this task: Attendants' Seat Installation, TASK 25-25-12-400-801.

SUBTASK 25-40-11-410-019

- (18) If applicable, install the attendants handset.

(a) Do this task: Attendant Handset Cradle Installation, TASK 23-42-01-400-801.

(b) Do this task: Attendant Handset Cord Installation, TASK 23-42-01-400-802.

(c) Do this task: Attendant Handset Installation, TASK 23-42-01-400-803.

SUBTASK 25-40-11-410-020

- (19) Do this task: Attendant's Panel and Components Installation, TASK 25-25-11-400-801.

SUBTASK 25-40-11-020-012

- (20) If applicable, do this task: Pre-Recorded Announcement Machine (PRAM) Installation, TASK 23-31-07-400-801.

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SUBTASK 25-40-11-860-002

(21) Do this task: Supply Electrical Power, TASK 24-22-00-860-811.

F. Installation Tests

SUBTASK 25-40-11-440-001

(1) Do this task: Toilet Activation, TASK 38-32-00-420-801.

SUBTASK 25-40-11-710-001

(2) Do this task: Lavatory Smoke Detection - Smoke Test, TASK 26-14-00-730-801.

SUBTASK 25-40-11-710-005

(3) If applicable, do this task: Attendant Handset Installation Test, TASK 23-42-01-700-801.

SUBTASK 25-40-11-710-002

(4) Do this task: Passenger Address System - Operational Test, TASK 23-31-00-740-801.

SUBTASK 25-40-11-710-003

(5) Do this task: Passenger Compartment Lights - Operational Test, TASK 33-20-00-710-801-001.

SUBTASK 25-40-11-710-004

(6) Do this task: Toilet - Operational Test, TASK 38-32-00-700-802.

————— **END OF TASK** —————

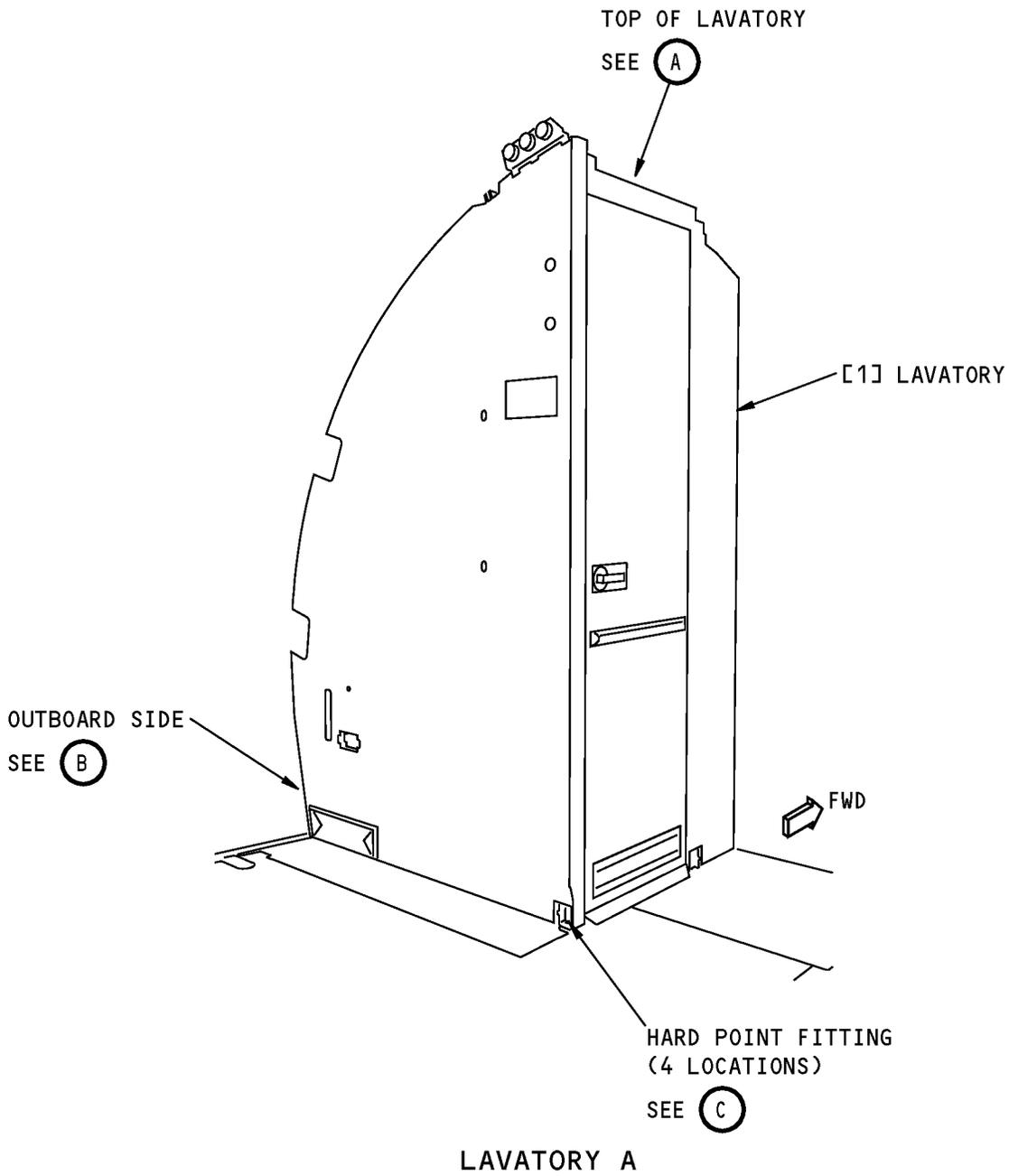
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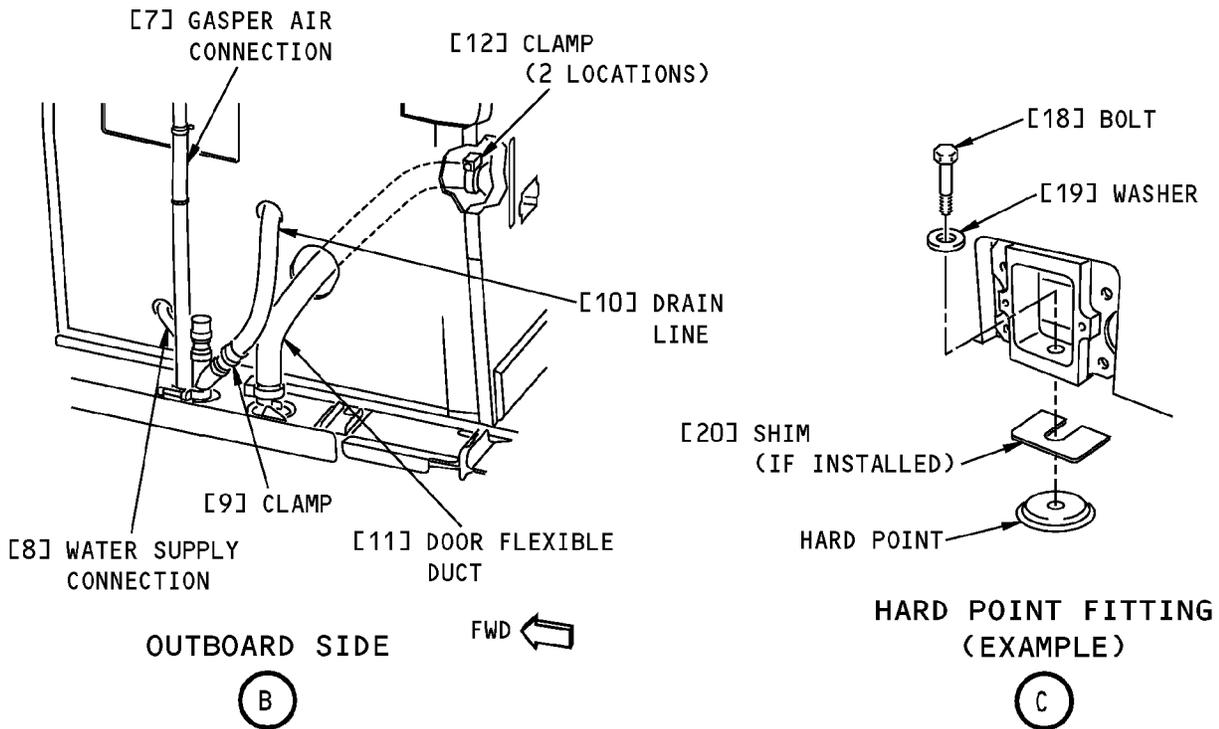
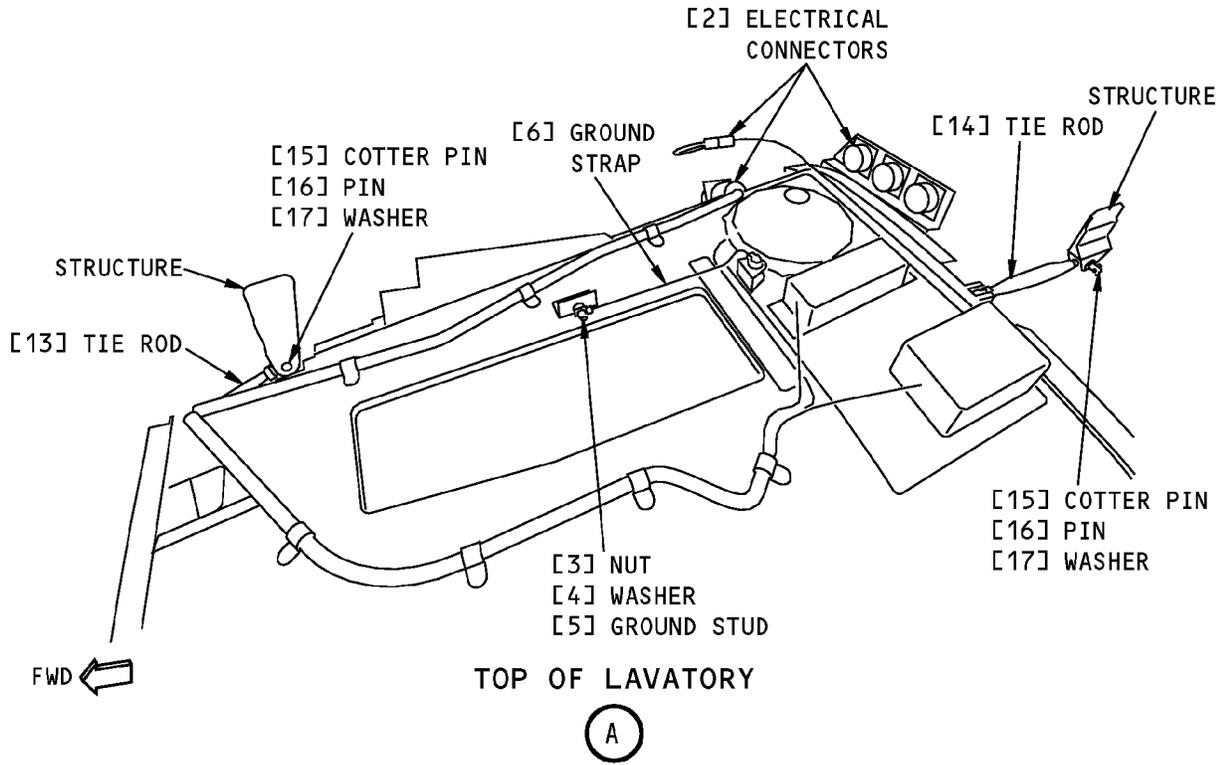
**Lavatory A Installation
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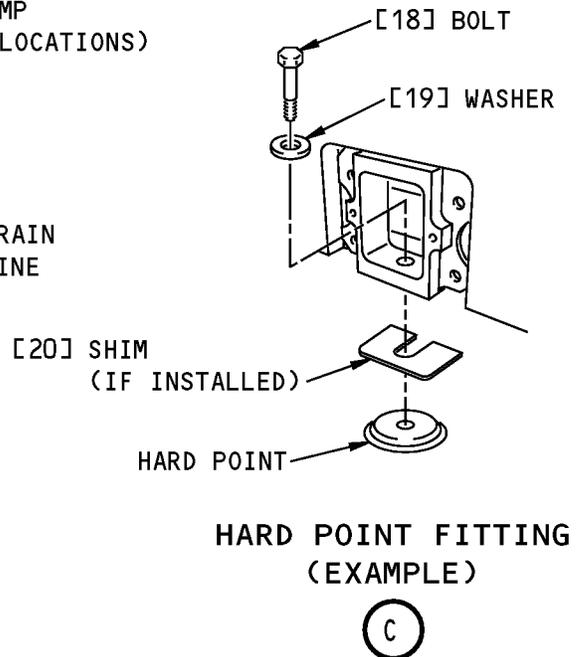
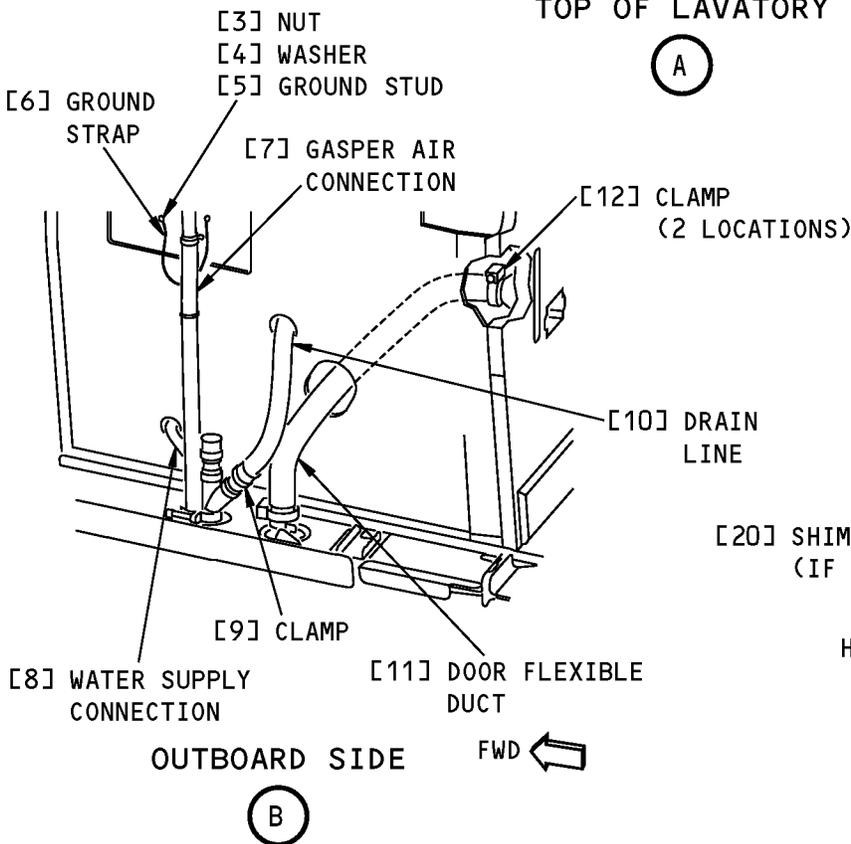
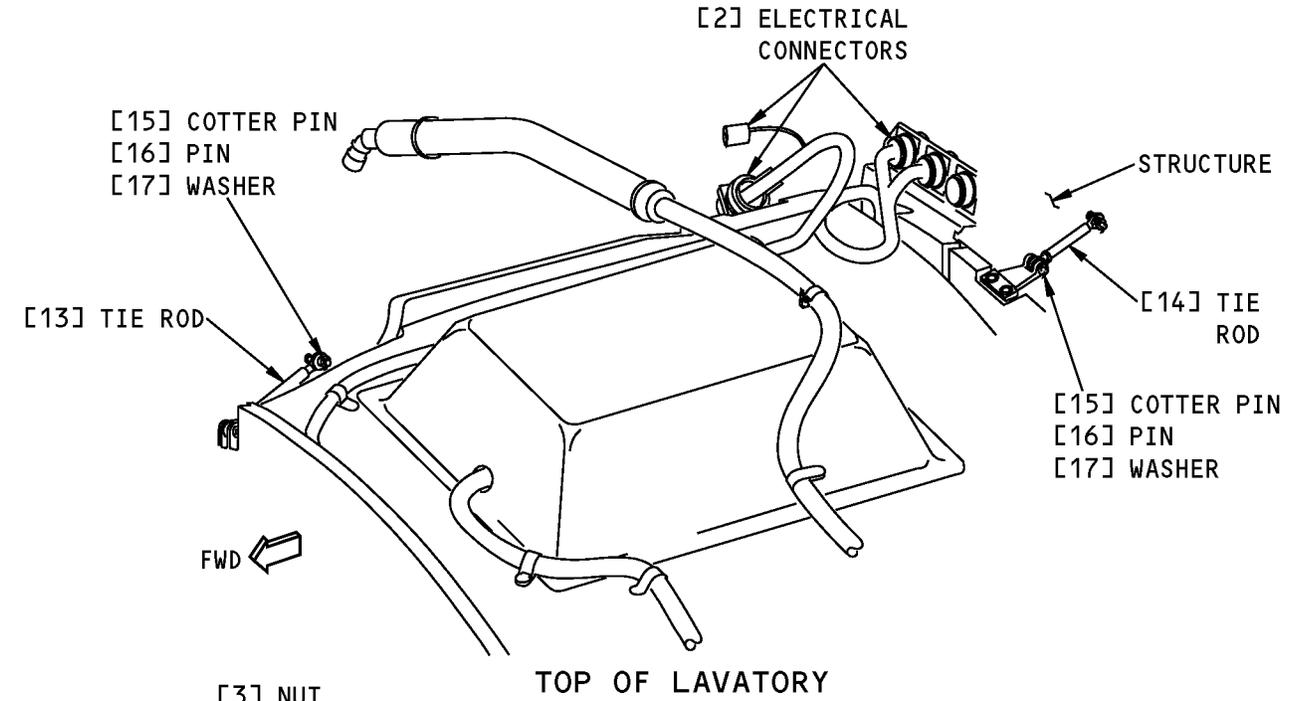


Lavatory A Installation
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Lavatory A Installation
Figure 401 (Sheet 3 of 3)/25-40-11-990-801

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HAP 031-054, 101-999

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MODULAR LAVATORY D - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) Lavatory D Removal,
- (2) Lavatory D Installation.

TASK 25-40-14-000-801

2. Lavatory D Removal

(Figure 401)

A. General

- (1) Be careful during the removal of the lavatory to prevent damage to the galley mat. The galley mat is a cover on the floor panels in the galley and lavatory area.

B. References

Reference	Title
23-42-01-000-801	Attendant Handset Removal (P/B 401)
23-42-01-000-802	Attendant Handset Cord Removal (P/B 401)
23-42-01-000-803	Attendant Handset Cradle Removal (P/B 401)
24-22-00-860-812	Remove Electrical Power (P/B 201)
25-21-24-000-801	Doorway Header Panel Removal, Aft Doors (P/B 401)
25-21-25-020-801	Sidewall Lining Panel Removal (Aft Entry and Service Doorways) (P/B 401)
25-21-71-000-801	Lowered Ceiling Removal (P/B 401)
25-22-00-000-801	Passenger Seat Removal (P/B 401)
26-14-01-000-801	Lavatory Smoke Detector Removal (P/B 401)
33-51-14-960-802	Floor Proximity Light - Light Assembly Replacement (P/B 201)
38-32-00-040-801	Toilet Deactivation (P/B 201)
38-32-01-000-838-002	Vacuum Toilet Assembly Removal (P/B 401)
38-42-00-800-801	Potable Water System - Pressure Release (P/B 201)

C. Location Zones

Zone	Area
241	Aft Passenger Compartment - Station 663.75 to Aft Pressure Bulkhead - Left

D. Prepare for the Procedure

SUBTASK 25-40-14-040-001

- (1) Do this task: Toilet Deactivation, TASK 38-32-00-040-801.

SUBTASK 25-40-14-860-001

- (2) Do this task: Remove Electrical Power, TASK 24-22-00-860-812.

SUBTASK 25-40-14-010-012

- (3) If applicable, remove the attendants handset.
 - (a) Do this task: Attendant Handset Removal, TASK 23-42-01-000-801.
 - (b) Do this task: Attendant Handset Cord Removal, TASK 23-42-01-000-802.
 - (c) Do this task: Attendant Handset Cradle Removal, TASK 23-42-01-000-803.

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SUBTASK 25-40-14-010-002

(4) It is not required to remove oxygen box to move lav D (only required for lav A).

SUBTASK 25-40-14-010-003

(5) Do this task: Lavatory Smoke Detector Removal, TASK 26-14-01-000-801.

SUBTASK 25-40-14-010-004

(6) Do this task: Lowered Ceiling Removal, TASK 25-21-71-000-801.

SUBTASK 25-40-14-010-005

(7) Do this task: Doorway Header Panel Removal, Aft Doors, TASK 25-21-24-000-801.

SUBTASK 25-40-14-010-006

(8) Do this task: Sidewall Lining Panel Removal (Aft Entry and Service Doorways), TASK 25-21-25-020-801.

SUBTASK 25-40-14-010-007

(9) If necessary, do this task: Passenger Seat Removal, TASK 25-22-00-000-801 to remove the last row of seats.

SUBTASK 25-40-14-010-008

(10) If applicable, do this task: Floor Proximity Light - Light Assembly Replacement, TASK 33-51-14-960-802.

SUBTASK 25-40-14-870-001

(11) Do this task: Potable Water System - Pressure Release, TASK 38-42-00-800-801.

SUBTASK 25-40-14-680-001

(12) Drain the water from the applicable lavatory equipment.

SUBTASK 25-40-14-010-009

(13) Disconnect toilet from airplane systems tube only, removing the toilet is optional Vacuum Toilet Assembly Removal, TASK 38-32-01-000-838-002.

NOTE: Time can be saved if toilet remains in lav.

SUBTASK 25-40-14-010-010

(14) Refer to the lavatory manufacturer's Component Maintenance Manual for the steps to prepare the lavatory for the removal procedure.

- (a) Remove the necessary trim panels from the lavatory to complete the task.
- (b) Remove the necessary access panels from the lavatory to complete the task.
- (c) Remove the necessary hose grommets from the lavatory to complete the task.

E. Procedure

SUBTASK 25-40-14-020-001

(1) Disconnect the electrical and ground connections above the lavatory [1].

- (a) Disconnect the electrical connectors [2].
- (b) Remove the nut [3] and washer [4] from the ground stud [5] at the top of the lavatory [1].
- (c) Disconnect the ground strap [6] from the ground stud [5] at the top of the lavatory [1].

SUBTASK 25-40-14-020-002

(2) Disconnect the gasper air supply at the connection at the top of the lavatory [1].

- (a) Disconnect the gasper air connection [7] at the top of the lavatory [1].

SUBTASK 25-40-14-020-003

(3) Disconnect the water supply at the connection at the rear of the lavatory [1].

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(a) Get access through the applicable access panel in the rear of the lavatory [1].

HAP 012, 013, 015-026, 028-054, 101-999; HAP 001-011 POST SB 737-38-1046

(b) Remove the insulation from around the water supply connection [8] at the rear of the lavatory.

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(c) Disconnect the water supply connection [8] at the rear of the lavatory [1].

SUBTASK 25-40-14-020-004

(4) Disconnect the drain line at the connection at the rear of the lavatory [1].

(a) Get access through the applicable access panel in the rear of the lavatory [1].

(b) Loosen the clamp [9], then disconnect the drain line [10].

SUBTASK 25-40-14-020-005

(5) Remove the tie rod [13].

HAP 001-013, 015-026, 028-030

(a) Remove the cotter pin [14], pin [15] and washer [16] at the two ends of the tie rod [13].

HAP 031-054, 101-999

(b) Remove the quick release pin [20] at the two ends of the tie rod [13].

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(c) Remove the tie rod [13], from the lavatory [1] and the airplane structure.

SUBTASK 25-40-14-020-006

(6) Remove the coverplate on the hard point fittings.

SUBTASK 25-40-14-020-007

(7) Remove the grease from the attachment fitting to get access to the fasteners, if it is necessary.

SUBTASK 25-40-14-020-008

(8) Remove the bolts [17], washers [18], and shims [19] at the four hard point fittings.

SUBTASK 25-40-14-020-009

(9) Remove the lavatory [1].

————— **END OF TASK** —————

TASK 25-40-14-400-801

3. Lavatory D Installation

(Figure 401)

A. General

(1) Be careful during the installation of the lavatory [1] to prevent damage to the galley mat. The galley mat is a cover on the floor panels in the galley and lavatory area.

B. References

Reference	Title
23-31-00-740-801	Passenger Address System - Operational Test (P/B 501)
23-42-01-400-801	Attendant Handset Cradle Installation (P/B 401)
23-42-01-400-802	Attendant Handset Cord Installation (P/B 401)
23-42-01-400-803	Attendant Handset Installation (P/B 401)
23-42-01-700-801	Attendant Handset Installation Test (P/B 401)

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Reference	Title
24-22-00-860-811	Supply Electrical Power (P/B 201)
25-21-24-400-801	Doorway Header Panel Installation, Aft Doors (P/B 401)
25-21-25-420-801	Sidewall Lining Panel Installation (Aft Entry and Service Doorways) (P/B 401)
25-21-71-400-801	Lowered Ceiling Installation (P/B 401)
25-22-00-400-802	Passenger Seat Installation (P/B 401)
25-23-13-400-801	Attendant/Lavatory Service Unit Installation (P/B 401)
25-40-01-400-801	Lavatory Sealant Installation (P/B 401)
26-14-00-730-801	Lavatory Smoke Detection - Smoke Test (P/B 501)
26-14-01-400-801	Lavatory Smoke Detector Installation (P/B 401)
33-20-00-710-801-001	Passenger Compartment Lights - Operational Test (P/B 501)
33-51-14-960-802	Floor Proximity Light - Light Assembly Replacement (P/B 201)
38-10-00-600-801	Potable Water System - Disinfectant (P/B 201)
38-10-00-790-801	Potable Water System - Leak Test (P/B 201)
38-32-00-420-801	Toilet Activation (P/B 201)
38-32-00-700-802	Toilet - Operational Test (P/B 501)
38-32-01-400-838-002	Vacuum Toilet Assembly Installation (P/B 401)

C. Consumable Materials

Reference	Description	Specification
A00027	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010, Type 60
A00930	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010, Type 109
B00083	Solvent - Aliphatic Naphtha (For Acrylic Plastics)	TT-N-95 Type II, ASTM D-3735 Type III
C00528	Compound - Corrosion Preventive, Petroleum Hot Application (Soft Film)	MIL-C-11796, Class III
G50327	Tape - Advanced Insulation Blanket	BMS5-157 Type I, Class 1, Grade B Composition MPVF
G50408	Foam - Flexible Polyvinylidene Fluoride	BMS8-371

D. Location Zones

Zone	Area
241	Aft Passenger Compartment - Station 663.75 to Aft Pressure Bulkhead - Left

E. Procedure

SUBTASK 25-40-14-110-001

(1) Clean the galley mat on the floor in the galley area with solvent, B00083.

SUBTASK 25-40-14-350-001

(2) Repair the galley mat if it is necessary.

SUBTASK 25-40-14-420-001

(3) Move the lavatory [1] inboard.

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SUBTASK 25-40-14-820-001

- (4) Refer to the lavatory manufacturer's Component Maintenance Manual for the steps to prepare the lavatory [1] for the installation procedure.
 - (a) Replace hose grommets to the lavatory to complete task.
 - (b) Install access panels to lavatory to complete task.
 - (c) Install trim panels to lavatory to complete task.

SUBTASK 25-40-14-420-002

- (5) Put the lavatory [1] on the hard point fittings until the lavatory floor is parallel with the airplane floor.

SUBTASK 25-40-14-420-003

- (6) Install the shims [19] at the outboard hard points.
 - (a) The clearance between the top of the hard point fittings and the bottom of the lavatory fittings must come to 0.01 in. (0.25 mm).
 - (b) At the forward outboard hard point, the shim maximum thickness must not be more than 0.06 in. (1.52 mm).
 - (c) At the aft outboard hard point, the shim maximum thickness must not be more than 0.10 in. (2.54 mm).
 - (d) Install shims [19] until the clearance comes to 0.01 in. (0.25 mm).

SUBTASK 25-40-14-420-004

- (7) Install the lavatory [1] fasteners.
 - (a) Apply compound, C00528 to the bolts [17] and washers [18].
 - (b) Install the bolts [17] and washers [18] at the four hard point fittings.
 - (c) Tighten the bolts [17] to 35 in-lb (4 N·m) and make sure that a layer of compound, C00528 seals the connection.

SUBTASK 25-40-14-400-002

- (8) Do this task: Lavatory Sealant Installation, TASK 25-40-01-400-801.
 - (a) During this task, install cover plates, threshold (if removed), and kickstrips (if applicable).

SUBTASK 25-40-14-820-002

- (9) Attach the tie rod [13] to the fittings on the lavatory [1] and the airplane structure.
 - (a) Adjust the tie rod [13] to the correct length.
 - 1) After the last tie rod adjustments are completed, make sure that the inspection holes at the two ends of the tie rod [13] are blocked and threads are visible in the inspection holes.
 - 2) Tighten the jamnuts with your fingers.

HAP 001-013, 015-026, 028-030

- (b) Install the pin [15] and washer [16] at the two ends of the tie rod [13].
- (c) Lock the pin [15] and washer [16] at the two ends of the tie rod with the cotter pin [14].

HAP 031-054, 101-999

- (d) Install the quick release pin [20] at the two ends of the tie rod [13].

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SUBTASK 25-40-14-390-001

- (10) Install a layer of adhesive, A00027 or adhesive, A00930 between the aft and inboard edges of the lavatory and the airplane floor.

SUBTASK 25-40-14-420-006

- (11) Connect the water supply at the connection at the rear of the lavatory [1].
- Get access through the applicable access panel in the rear of the lavatory [1].
 - Connect the water supply connection [8] at the rear of the lavatory [1].

HAP 012, 013, 015-026, 028-054, 101-999; HAP 001-011 POST SB 737-38-1046

SUBTASK 25-40-14-420-012

- (12) Do these steps to wrap insulation foam and insulation tape on the water supply line:
- Apply insulation foam, G50408 (BMS8-371) around the water supply connection [8].
 - Start the insulation foam, G50408 (BMS8-371) overlap below the water supply connection [8].
 - Continue to wind the insulation foam, G50408 (BMS8-371) around the fitting with a 0.2 + 0.3 / - 0.0 in. (5.1 + 7.6 / - 0.0 mm) overlap for each turn.
 - Complete the insulation foam, G50408 (BMS8-371) wrap approximately 2.0 in. (50.8 mm) above the end of the fitting.

NOTE: In areas where the fitting is bent to 90.0 degrees, small clearances between the insulation foam and the fitting are permitted. You can apply insulation foam (BMS8-371) in pieces.

- Do these steps to wrap insulation tape around the insulation foam on the water supply line:
 - Apply insulation tape, G50327 (BMS5-157) around the insulation foam, G50408 (BMS8-371).
 - Start the insulation tape, G50327 (BMS5-157) overlap before the insulation foam, G50408 (BMS8-371) begins.
 - Continue to wind the insulation tape, G50327 (BMS5-157) around the insulation foam, G50408 (BMS8-371) with a 0.2 + 0.3 / - 0.0 in. (5.1 + 7.6 / - 0.0 mm) overlap for each turn, and stop after the insulation foam, G50408 (BMS8-371) ends.
 - Make sure the insulation tape, G50327 (BMS5-157) overlap seals over the ends of the insulation foam, G50408 (BMS8-371) fully.

NOTE: Make sure the insulation foam that is under the insulation tape does not show.

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SUBTASK 25-40-14-420-007

- (13) Connect the drain line [10] at the connection at the rear of the lavatory [1].
- Through the applicable rear access panel, connect the drain line [10].
 - Tighten the clamp [9] at the end of the drain line [10].

SUBTASK 25-40-14-420-008

- (14) Connect the gasper air supply at the connection at the top of the lavatory [1].
- Connect the gasper air connection [7] at the top of the lavatory [1].

SUBTASK 25-40-14-420-009

- (15) Connect the ground strap [6] to the ground stud [5].
- Install the nut [3] and washer [4] to the ground stud [5] at the top of the lavatory [1].

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- (b) Do a resistance check of the static ground from the ground stud [5] on the lavatory [1] to the airplane ground stud.
- (c) Make sure the resistance is a maximum of 0.0025 Ohms.

SUBTASK 25-40-14-420-010

- (16) Connect the electrical connectors [2] in the ceiling above the lavatory [1].

F. Put the Airplane in Its Usual Condition.

SUBTASK 25-40-14-410-001

- (1) Refer to the lavatory manufacturer's Component Maintenance Manual for the instructions to put the lavatory back to the serviceable condition.
 - (a) Replace the lavatory hose grommets removed before.
 - (b) Replace the lavatory access panels removed before.
 - (c) Install the lavatory access panels to lavatory to complete task.
 - (d) Replace the lavatory trim panels removed before.

SUBTASK 25-40-14-410-002

- (2) Do this task: Vacuum Toilet Assembly Installation, TASK 38-32-01-400-838-002.

SUBTASK 25-40-14-790-001

- (3) Do this task: Potable Water System - Leak Test, TASK 38-10-00-790-801.

SUBTASK 25-40-14-670-001

- (4) Do this task: Potable Water System - Disinfectant, TASK 38-10-00-600-801.

SUBTASK 25-40-14-410-003

- (5) If applicable, do this task: Floor Proximity Light - Light Assembly Replacement, TASK 33-51-14-960-802.

SUBTASK 25-40-14-010-011

- (6) If necessary, do this task: Passenger Seat Installation, TASK 25-22-00-400-802 to install the last row of seats.

SUBTASK 25-40-14-410-004

- (7) Do this task: Sidewall Lining Panel Installation (Aft Entry and Service Doorways), TASK 25-21-25-420-801.

SUBTASK 25-40-14-410-005

- (8) Do this task: Doorway Header Panel Installation, Aft Doors, TASK 25-21-24-400-801.

SUBTASK 25-40-14-410-006

- (9) Do this task: Lowered Ceiling Installation, TASK 25-21-71-400-801.

SUBTASK 25-40-14-410-007

- (10) Do this task: Lavatory Smoke Detector Installation, TASK 26-14-01-400-801.

SUBTASK 25-40-14-410-008

- (11) Do this task: Attendant/Lavatory Service Unit Installation, TASK 25-23-13-400-801.

SUBTASK 25-40-14-410-010

- (12) If applicable, install the attendants handset.
 - (a) Do this task: Attendant Handset Cradle Installation, TASK 23-42-01-400-801.
 - (b) Do this task: Attendant Handset Cord Installation, TASK 23-42-01-400-802.
 - (c) Do this task: Attendant Handset Installation, TASK 23-42-01-400-803.

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SUBTASK 25-40-14-860-002

(13) Do this task: Supply Electrical Power, TASK 24-22-00-860-811.

G. Do these tests.

SUBTASK 25-40-14-440-001

(1) Do this task: Toilet Activation, TASK 38-32-00-420-801.

SUBTASK 25-40-14-710-001

(2) Do this task: Lavatory Smoke Detection - Smoke Test, TASK 26-14-00-730-801.

SUBTASK 25-40-14-710-005

(3) If applicable, do this task: Attendant Handset Installation Test, TASK 23-42-01-700-801

SUBTASK 25-40-14-710-002

(4) Do this task: Passenger Address System - Operational Test, TASK 23-31-00-740-801.

SUBTASK 25-40-14-710-003

(5) Do this task: Passenger Compartment Lights - Operational Test, TASK 33-20-00-710-801-001.

SUBTASK 25-40-14-710-004

(6) Do this task: Toilet - Operational Test, TASK 38-32-00-700-802.

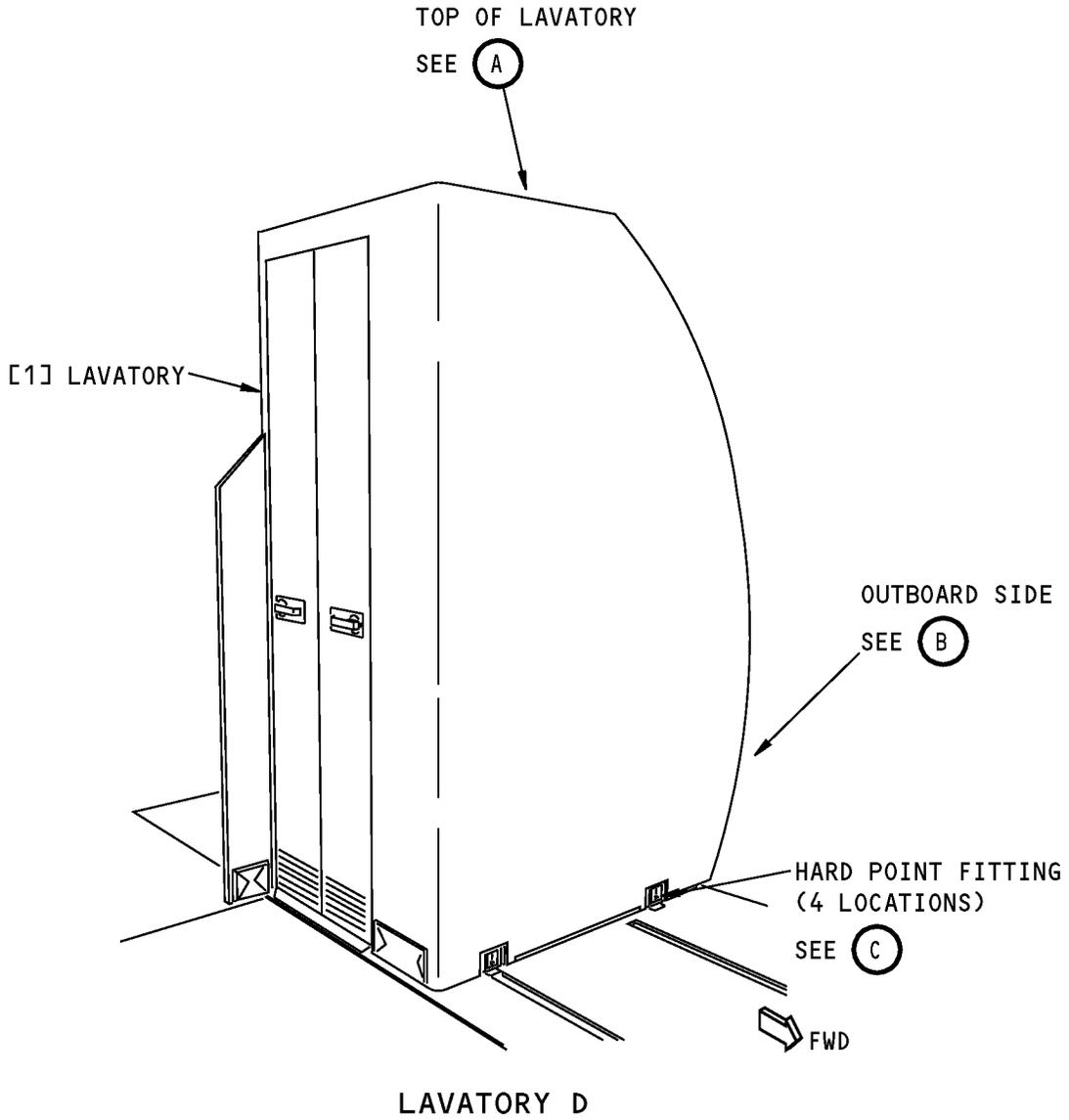
————— **END OF TASK** —————

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**Lavatory D Installation
Figure 401 (Sheet 1 of 3)/25-40-14-990-801**

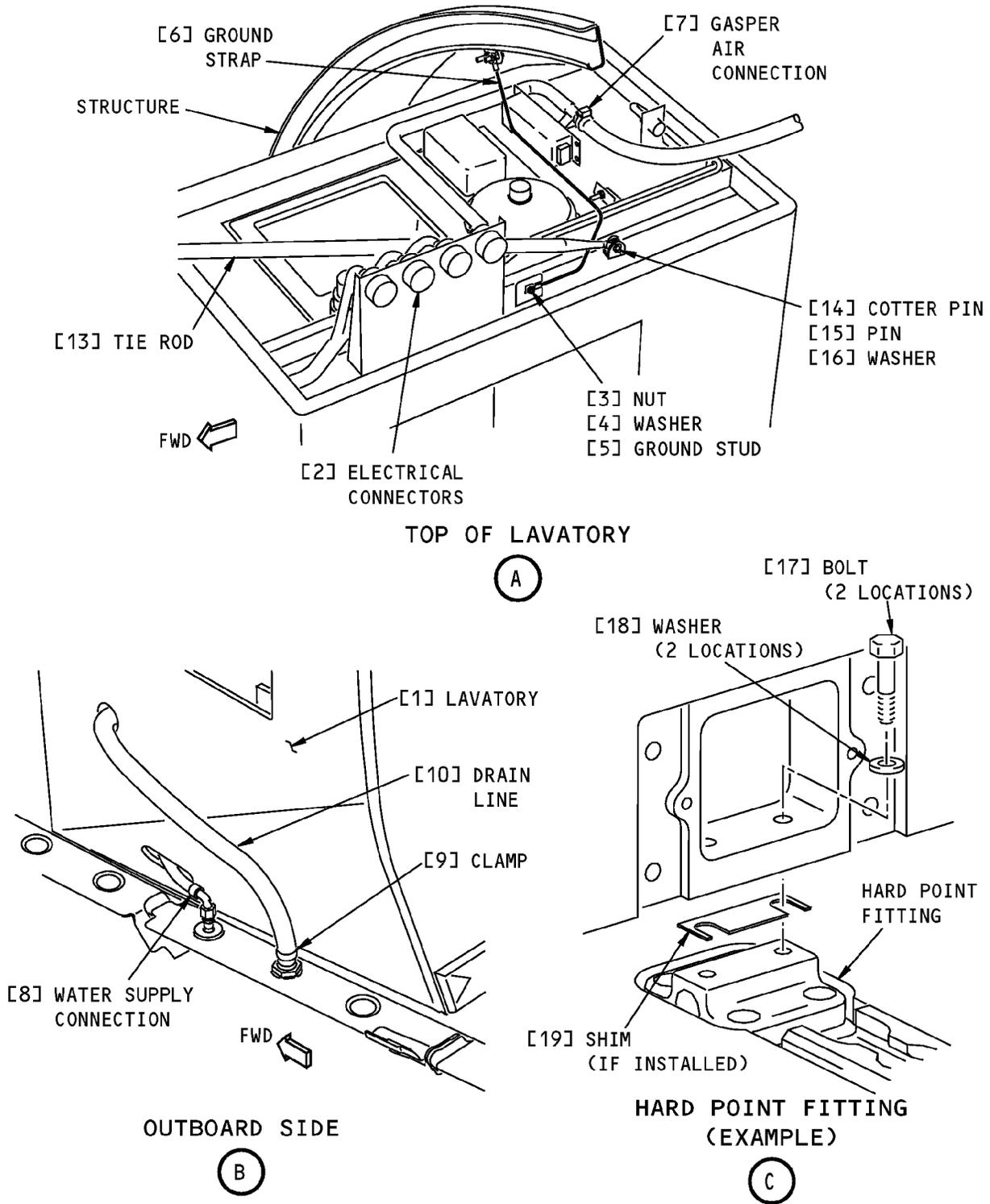
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**Lavatory D Installation
Figure 401 (Sheet 2 of 3)/25-40-14-990-801**

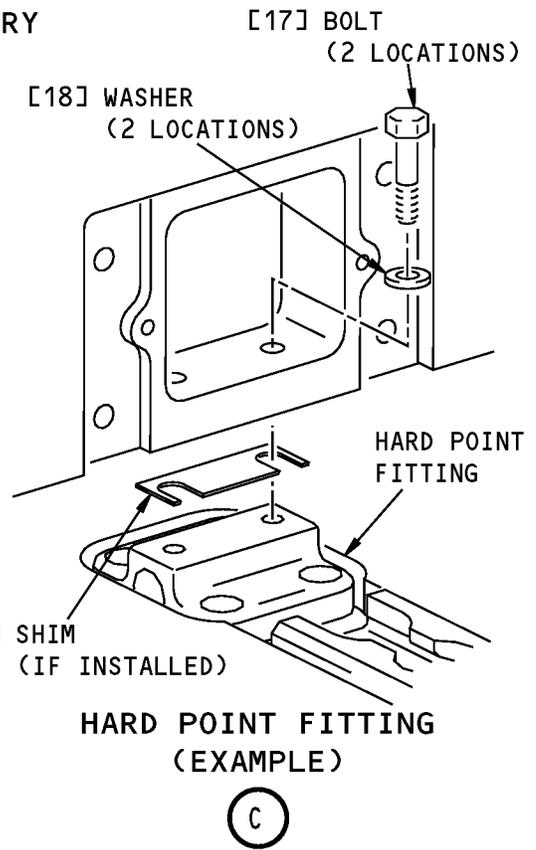
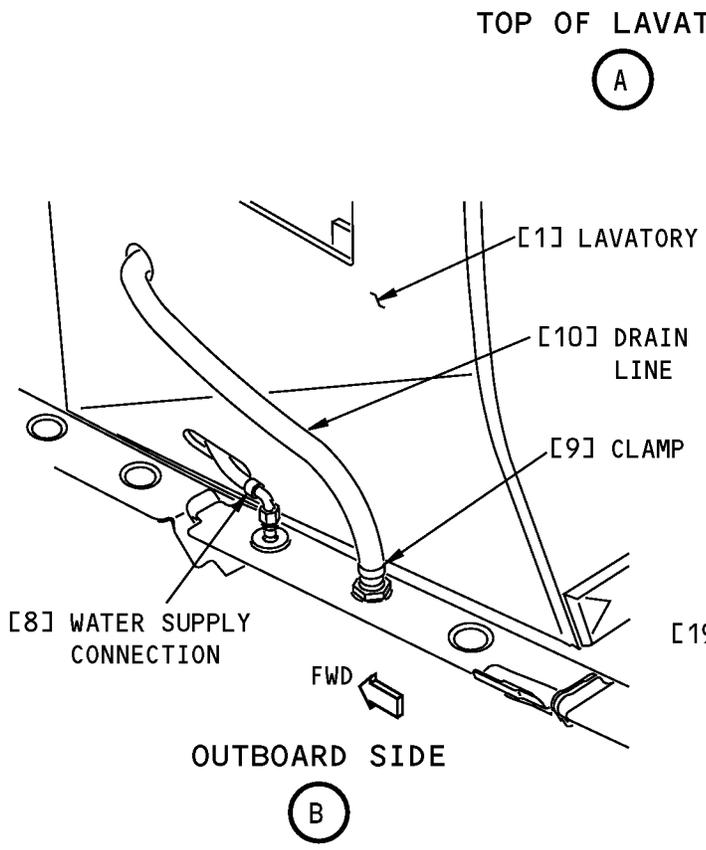
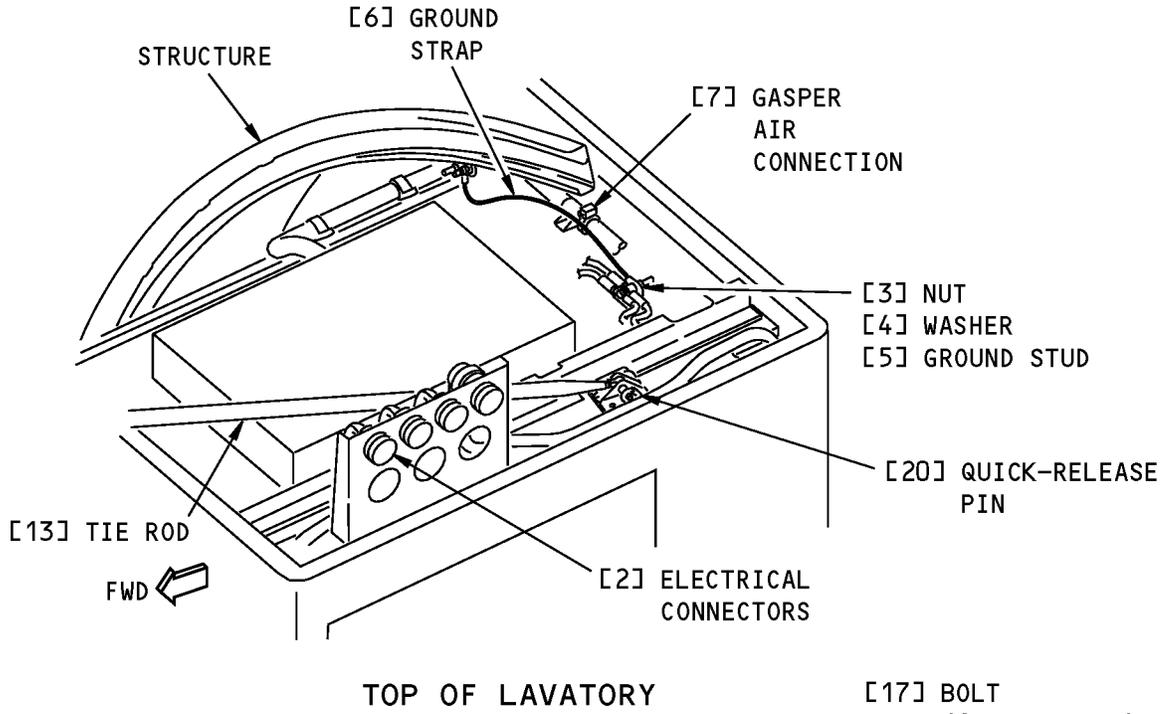
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MODULAR LAVATORY E - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) Lavatory E removal.
- (2) Lavatory E installation.

TASK 25-40-15-000-801

2. Lavatory E Removal

(Figure 401)

A. General

- (1) Be careful during the removal of the lavatory to prevent damage to the galley mat. The galley mat is a cover on the floor panels in the galley and lavatory area.

B. References

Reference	Title
23-42-01-000-801	Attendant Handset Removal (P/B 401)
23-42-01-000-802	Attendant Handset Cord Removal (P/B 401)
23-42-01-000-803	Attendant Handset Cradle Removal (P/B 401)
24-22-00-860-812	Remove Electrical Power (P/B 201)
25-21-24-000-801	Doorway Header Panel Removal, Aft Doors (P/B 401)
25-21-25-020-801	Sidewall Lining Panel Removal (Aft Entry and Service Doorways) (P/B 401)
25-21-71-000-801	Lowered Ceiling Removal (P/B 401)
25-22-00-000-801	Passenger Seat Removal (P/B 401)
25-25-12-000-801	Attendants' Seat Removal (P/B 401)
26-14-01-000-801	Lavatory Smoke Detector Removal (P/B 401)
33-51-14-960-802	Floor Proximity Light - Light Assembly Replacement (P/B 201)
38-32-00-040-801	Toilet Deactivation (P/B 201)
38-32-01-000-838-002	Vacuum Toilet Assembly Removal (P/B 401)
38-42-00-800-801	Potable Water System - Pressure Release (P/B 201)

C. Location Zones

Zone	Area
242	Aft Passenger Compartment - Station 663.75 to Aft Pressure Bulkhead - Right

D. Prepare for the Procedure

SUBTASK 25-40-15-040-001

- (1) Do this task: Toilet Deactivation, TASK 38-32-00-040-801.

SUBTASK 25-40-15-860-001

- (2) Do this task: Remove Electrical Power, TASK 24-22-00-860-812.

SUBTASK 25-40-15-010-012

- (3) If applicable, remove the attendants handset.
 - (a) Do this task: Attendant Handset Removal, TASK 23-42-01-000-801.
 - (b) Do this task: Attendant Handset Cord Removal, TASK 23-42-01-000-802.
 - (c) Do this task: Attendant Handset Cradle Removal, TASK 23-42-01-000-803.

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SUBTASK 25-40-15-010-002

(4) It is not required to remove the oxygen box to move lav E (only required for lav A).

SUBTASK 25-40-15-010-003

(5) Do this task: Lavatory Smoke Detector Removal, TASK 26-14-01-000-801.

SUBTASK 25-40-15-010-004

(6) Do this task: Lowered Ceiling Removal, TASK 25-21-71-000-801.

SUBTASK 25-40-15-010-005

(7) Do this task: Doorway Header Panel Removal, Aft Doors, TASK 25-21-24-000-801.

SUBTASK 25-40-15-010-006

(8) Do this task: Sidewall Lining Panel Removal (Aft Entry and Service Doorways), TASK 25-21-25-020-801.

SUBTASK 25-40-15-010-007

(9) If necessary, do this task: Passenger Seat Removal, TASK 25-22-00-000-801 to remove the last row of seats.

SUBTASK 25-40-15-010-013

(10) If it is necessary, do this task: Attendants' Seat Removal, TASK 25-25-12-000-801

SUBTASK 25-40-15-010-008

(11) If applicable, do this task: Floor Proximity Light - Light Assembly Replacement, TASK 33-51-14-960-802.

SUBTASK 25-40-15-870-001

(12) Do this task: Potable Water System - Pressure Release, TASK 38-42-00-800-801.

SUBTASK 25-40-15-680-001

(13) Drain the water from the applicable lavatory equipment.

SUBTASK 25-40-15-010-009

(14) Disconnect toilet from airplane systems tube only, removing the toilet is optional Vacuum Toilet Assembly Removal, TASK 38-32-01-000-838-002.

NOTE: Time can be saved if toilet remains in lav.

SUBTASK 25-40-15-010-010

(15) Refer to the lavatory manufacturer's Component Maintenance Manual for the steps to prepare the lavatory for the removal procedure.

- (a) Remove the necessary trim panels from the lavatory to complete the task.
- (b) Remove the necessary access panels from the lavatory to complete the task.
- (c) Remove the necessary hose grommets from the lavatory to complete the task.

E. Procedure

SUBTASK 25-40-15-020-001

(1) Disconnect the electrical and ground connections above the lavatory [1].

- (a) Disconnect the electrical connectors [2].
- (b) Remove the nut [3] and washer [4] from the ground stud [5] at the top of the lavatory [1].
- (c) Disconnect the ground strap [6] from the ground stud [5] at the top of the lavatory [1].

SUBTASK 25-40-15-020-002

(2) Disconnect the gasper air supply at the connection at the top of the lavatory [1].

- (a) Disconnect the gasper air connection [7] at the top of the lavatory [1].

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SUBTASK 25-40-15-020-003

- (3) Disconnect the water supply at the connection at the rear of the lavatory [1].
 - (a) Get access through the applicable access panel in the rear of the lavatory [1].

HAP 012, 013, 015-026, 028-054, 101-999; HAP 001-011 POST SB 737-38-1046

- (b) Remove the insulation from around the water supply connection [8] at the rear of the lavatory.

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- (c) Disconnect the water supply connection [8] at the rear of the lavatory [1].

SUBTASK 25-40-15-020-004

- (4) Disconnect the drain line at the connection at the rear of the lavatory [1].
 - (a) Get access through the applicable access panel in the rear of the lavatory [1].
 - (b) Loosen the clamp [9], then disconnect the drain line [10].

SUBTASK 25-40-15-020-005

- (5) Remove the tie rod [13].

HAP 001-013, 015-026, 028-030

- (a) Remove the cotter pin [14], pin [15] and washer [16] at the two ends of the tie rod [13].

HAP 031-054, 101-999

- (b) Remove the quick release pin [20] at the two ends of the tie rod [13].

HAP ALL

- (c) Remove the tie rod [13], from the lavatory [1] and the airplane structure.

SUBTASK 25-40-15-020-006

- (6) Remove the cover plate on the hard point fittings.

SUBTASK 25-40-15-020-007

- (7) Remove the grease from the attachment fitting to get access to the fasteners, if it is necessary.

SUBTASK 25-40-15-020-008

- (8) Remove the bolts [17], washers [18], and shims [19] at the four hard point fittings.

SUBTASK 25-40-15-020-009

- (9) Remove the lavatory [1].

————— END OF TASK —————

TASK 25-40-15-400-801

3. Lavatory E Installation

(Figure 401)

A. References

Reference	Title
23-31-00-740-801	Passenger Address System - Operational Test (P/B 501)
23-42-01-400-801	Attendant Handset Cradle Installation (P/B 401)
23-42-01-400-802	Attendant Handset Cord Installation (P/B 401)
23-42-01-400-803	Attendant Handset Installation (P/B 401)
23-42-01-700-801	Attendant Handset Installation Test (P/B 401)
24-22-00-860-811	Supply Electrical Power (P/B 201)

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Reference	Title
25-21-24-000-801	Doorway Header Panel Removal, Aft Doors (P/B 401)
25-21-25-420-801	Sidewall Lining Panel Installation (Aft Entry and Service Doorways) (P/B 401)
25-21-71-400-801	Lowered Ceiling Installation (P/B 401)
25-22-00-400-802	Passenger Seat Installation (P/B 401)
25-23-13-400-801	Attendant/Lavatory Service Unit Installation (P/B 401)
25-25-12-400-801	Attendants' Seat Installation (P/B 401)
25-40-01-400-801	Lavatory Sealant Installation (P/B 401)
26-14-00-730-801	Lavatory Smoke Detection - Smoke Test (P/B 501)
26-14-01-400-801	Lavatory Smoke Detector Installation (P/B 401)
33-20-00-710-801-001	Passenger Compartment Lights - Operational Test (P/B 501)
33-51-14-960-802	Floor Proximity Light - Light Assembly Replacement (P/B 201)
38-10-00-600-801	Potable Water System - Disinfectant (P/B 201)
38-10-00-790-801	Potable Water System - Leak Test (P/B 201)
38-32-00-420-801	Toilet Activation (P/B 201)
38-32-00-700-802	Toilet - Operational Test (P/B 501)
38-32-01-400-838-002	Vacuum Toilet Assembly Installation (P/B 401)

B. Consumable Materials

Reference	Description	Specification
A00027	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010, Type 60
A00930	Adhesive - Silicone Rubber, 1 Part, RTV	BAC5010, Type 109
B00083	Solvent - Aliphatic Naphtha (For Acrylic Plastics)	TT-N-95 Type II, ASTM D-3735 Type III
C00528	Compound - Corrosion Preventive, Petroleum Hot Application (Soft Film)	MIL-C-11796, Class III
G50327	Tape - Advanced Insulation Blanket	BMS5-157 Type I, Class 1, Grade B Composition MPVF
G50408	Foam - Flexible Polyvinylidene Fluoride	BMS8-371

C. Location Zones

Zone	Area
242	Aft Passenger Compartment - Station 663.75 to Aft Pressure Bulkhead - Right

D. Procedure

SUBTASK 25-40-15-110-001

(1) Clean the galley mat on the floor in the galley area with solvent, B00083.

SUBTASK 25-40-15-350-001

(2) Repair the galley mat if it is necessary.

NOTE: The galley mat is a cover on the floor panels in the galley and lavatory area.

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SUBTASK 25-40-15-420-001

- (3) Move the lavatory [1] inboard.

SUBTASK 25-40-15-820-001

- (4) Refer to the lavatory manufacturer's Component Maintenance Manual for the steps to prepare the lavatory [1] for the installation procedure.

SUBTASK 25-40-15-420-002

CAUTION: REMOVE AND INSTALL THE LAVATORY CAREFULLY. YOU CAN CAUSE DAMAGE TO THE GALLEY MAT.

- (5) Put the lavatory [1] on the hard point fittings until the lavatory floor is parallel with the airplane floor.

SUBTASK 25-40-15-420-003

- (6) Install the shims [19] at the outboard hard points.
 - (a) The clearance between the top of the hard point fittings and the bottom of the lavatory fittings must come to 0.01 inches (.254 mm).
 - (b) At the forward outboard hard point, the shim maximum thickness must not be more than 0.06 inches (1.52 mm).
 - (c) At the aft outboard hard point, the shim maximum thickness must not be more than 0.10 inches (2.54 mm).
 - (d) Install shims [19] until the clearance comes to 0.01 inches (.254 mm).

SUBTASK 25-40-15-420-004

- (7) Install the lavatory [1] fasteners.
 - (a) Apply compound, C00528 to the bolts [17] and washers [18].
 - (b) Install the bolts [17] and washers [18] at the four hard point fittings.
 - (c) Tighten the bolts [17] to 35 in-lb (4 N·m), make sure that a layer of compound, C00528 seals the connection.

SUBTASK 25-40-15-400-002

- (8) Do this task: Lavatory Sealant Installation, TASK 25-40-01-400-801.
 - (a) During this task, install cover plates, threshold (if removed), and kickstrips (if applicable).

SUBTASK 25-40-15-820-002

- (9) Attach the tie rod [13] to the fittings on the lavatory [1] and the airplane structure.
 - (a) Adjust the tie rod [13] to the correct length.
 - 1) After the last tie rod adjustments are completed, make sure that the inspection holes at the two ends of the tie rod [13] are blocked and the threads are visible in the inspection holes.
 - 2) Tighten the jamnuts with your fingers.

HAP 001-013, 015-026, 028-030

- (b) Install the pin [15] and washer [16] at the two ends of the tie rod [13].
- (c) Lock the pin [15] and washer [16] at the two ends of the tie rod with the cotter pin [14].

HAP 031-054, 101-999

- (d) Install the quick release pin [20] at the two ends of the tie rod [13].

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SUBTASK 25-40-15-390-001

- (10) Install a layer of adhesive, A00027 or adhesive, A00930 between the aft and inboard edges of the lavatory and the airplane floor.

SUBTASK 25-40-15-420-006

- (11) Connect the water supply at the connection at the rear of the lavatory [1].
- Get access through the applicable access panel in the rear of the lavatory [1].
 - Connect the water supply connection [8] at the rear of the lavatory [1].

HAP 012, 013, 015-026, 028-054, 101-999; HAP 001-011 POST SB 737-38-1046

SUBTASK 25-40-15-420-012

- (12) Do these steps to wrap insulation foam and insulation tape on the water supply line:
- Apply insulation foam, G50408 (BMS8-371) around the water supply connection [8].
 - Start the insulation foam, G50408 (BMS8-371) overlap below the water supply connection [8].
 - Continue to wind the insulation foam, G50408 (BMS8-371) around the fitting with a 0.2 + 0.3 / - 0.0 in. (5.1 + 7.6 / - 0.0 mm) overlap for each turn.
 - Complete the insulation foam, G50408 (BMS8-371) wrap approximately 2.0 in. (50.8 mm) above the end of the fitting.

NOTE: In areas where the fitting is bent to 90.0 degrees, small clearances between the insulation foam and the fitting are permitted. You can apply insulation foam (BMS8-371) in pieces.

- Do these steps to wrap insulation tape around the insulation foam on the water supply line:
 - Apply insulation tape, G50327 (BMS5-157) around the insulation foam, G50408 (BMS8-371).
 - Start the insulation tape, G50327 (BMS5-157) overlap before the insulation foam, G50408 (BMS8-371) begins.
 - Continue to wind the insulation tape, G50327 (BMS5-157) around the insulation foam, G50408 (BMS8-371) with a 0.2 + 0.3 / - 0.0 in. (5.1 + 7.6 / - 0.0 mm) overlap for each turn, and stop after the insulation foam, G50408 (BMS8-371) ends.
 - Make sure the insulation tape, G50327 (BMS5-157) overlap seals over the ends of the insulation foam, G50408 (BMS8-371) fully.

NOTE: Make sure the insulation foam that is under the insulation tape does not show.

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SUBTASK 25-40-15-420-007

- (13) Connect the drain line [10] at the connection at the rear of the lavatory [1].
- Through the applicable rear access panel, connect the drain line [10].
 - Tighten the clamp [9] at the end of the drain line [10].

SUBTASK 25-40-15-420-008

- (14) Connect the gasper air supply at the connection at the top of the lavatory [1].
- Connect the gasper air connection [7] at the top of the lavatory [1].

SUBTASK 25-40-15-420-009

- (15) Connect the ground strap [6] to the ground stud [5].
- Install the nut [3] and washer [4] to the ground stud [5] at the top of the lavatory [1].

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- (b) Do a resistance check of the static ground from the ground stud [5] on the lavatory [1] to the airplane ground stud.
- (c) Make sure the resistance is a maximum of 0.0025 Ohms.

SUBTASK 25-40-15-420-010

- (16) Connect the electrical connectors [2] in the ceiling above the lavatory [1].

E. Put the Airplane in Its Usual Condition.

SUBTASK 25-40-15-410-001

- (1) Refer to the lavatory manufacturer's Component Maintenance Manual for the instructions to put the lavatory back to the serviceable condition.
 - (a) Replace the lavatory hose grommets removed before.
 - (b) Replace the lavatory access panels removed before.
 - (c) Replace the lavatory trim panels removed before.

SUBTASK 25-40-15-410-002

- (2) Do this task: Vacuum Toilet Assembly Installation, TASK 38-32-01-400-838-002.

SUBTASK 25-40-15-790-001

- (3) Do this task: Potable Water System - Leak Test, TASK 38-10-00-790-801.

SUBTASK 25-40-15-670-001

- (4) Do this task: Potable Water System - Disinfectant, TASK 38-10-00-600-801.

SUBTASK 25-40-15-410-003

- (5) If applicable, do this task: Floor Proximity Light - Light Assembly Replacement, TASK 33-51-14-960-802.

SUBTASK 25-40-15-410-011

- (6) If it is necessary, do this task: Attendants' Seat Installation, TASK 25-25-12-400-801

SUBTASK 25-40-15-010-011

- (7) If necessary, do this task: Passenger Seat Installation, TASK 25-22-00-400-802 to install the last row of seats.

SUBTASK 25-40-15-410-004

- (8) Do this task: Sidewall Lining Panel Installation (Aft Entry and Service Doorways), TASK 25-21-25-420-801.

SUBTASK 25-40-15-410-005

- (9) Do this task: Doorway Header Panel Removal, Aft Doors, TASK 25-21-24-000-801.

SUBTASK 25-40-15-410-006

- (10) Do this task: Lowered Ceiling Installation, TASK 25-21-71-400-801.

SUBTASK 25-40-15-410-007

- (11) Do this task: Lavatory Smoke Detector Installation, TASK 26-14-01-400-801.

SUBTASK 25-40-15-410-008

- (12) Do this task: Attendant/Lavatory Service Unit Installation, TASK 25-23-13-400-801.

SUBTASK 25-40-15-410-010

- (13) If applicable, install the attendants handset.

- (a) Do this task: Attendant Handset Cradle Installation, TASK 23-42-01-400-801.
- (b) Do this task: Attendant Handset Cord Installation, TASK 23-42-01-400-802.
- (c) Do this task: Attendant Handset Installation, TASK 23-42-01-400-803.

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SUBTASK 25-40-15-860-002

(14) Do this task: Supply Electrical Power, TASK 24-22-00-860-811.

F. Do these tests.

SUBTASK 25-40-15-440-001

(1) Do this task: Toilet Activation, TASK 38-32-00-420-801.

SUBTASK 25-40-15-710-001

(2) Do this task: Lavatory Smoke Detection - Smoke Test, TASK 26-14-00-730-801.

SUBTASK 25-40-15-710-005

(3) If applicable, do this task: Attendant Handset Installation Test, TASK 23-42-01-700-801

SUBTASK 25-40-15-710-002

(4) Do this task: Passenger Address System - Operational Test, TASK 23-31-00-740-801.

SUBTASK 25-40-15-710-003

(5) Do this task: Passenger Compartment Lights - Operational Test, TASK 33-20-00-710-801-001.

SUBTASK 25-40-15-710-004

(6) Do this task: Toilet - Operational Test, TASK 38-32-00-700-802.

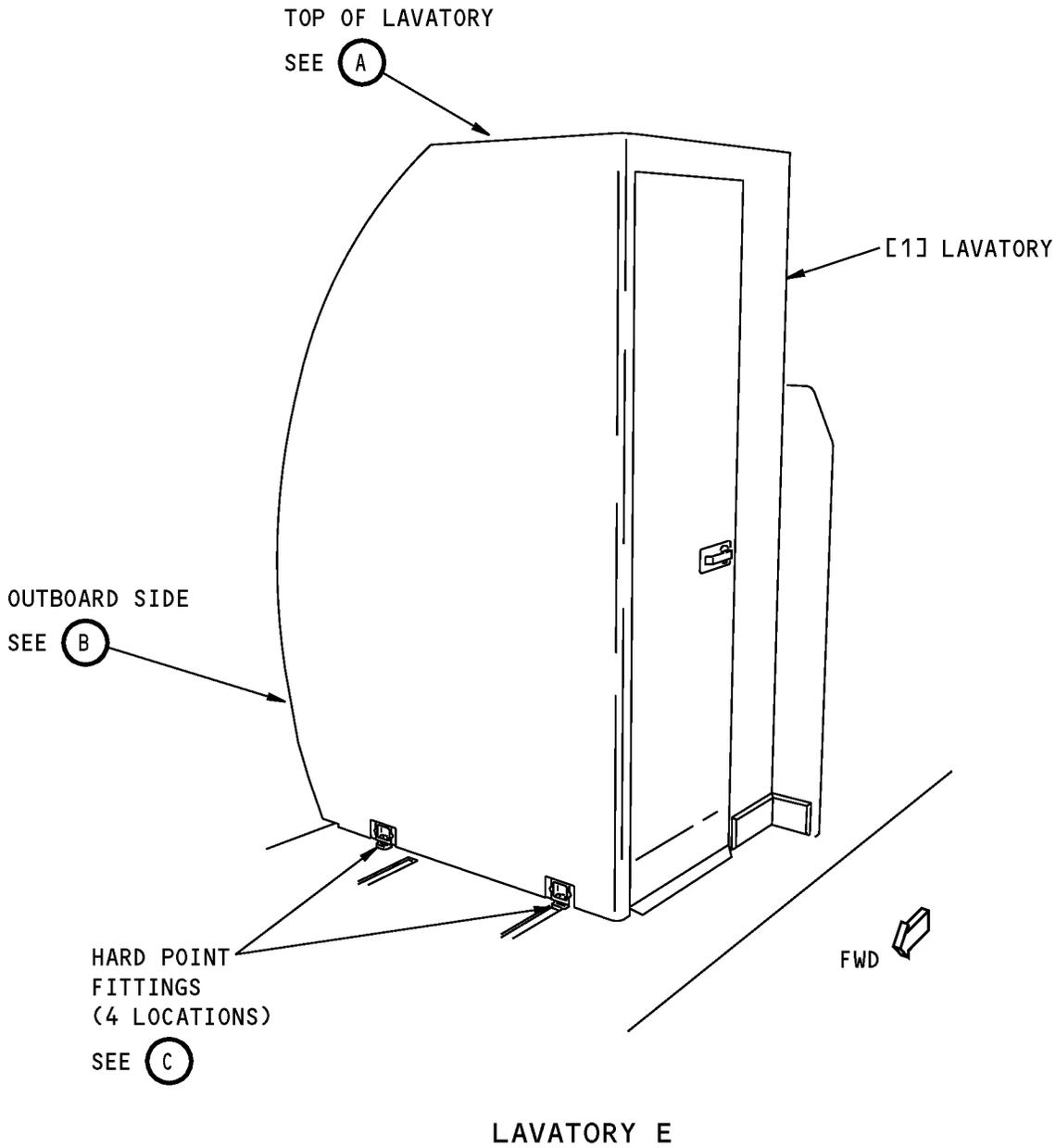
————— **END OF TASK** —————

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**Lavatory E Installation
Figure 401 (Sheet 1 of 3)/25-40-15-990-801**

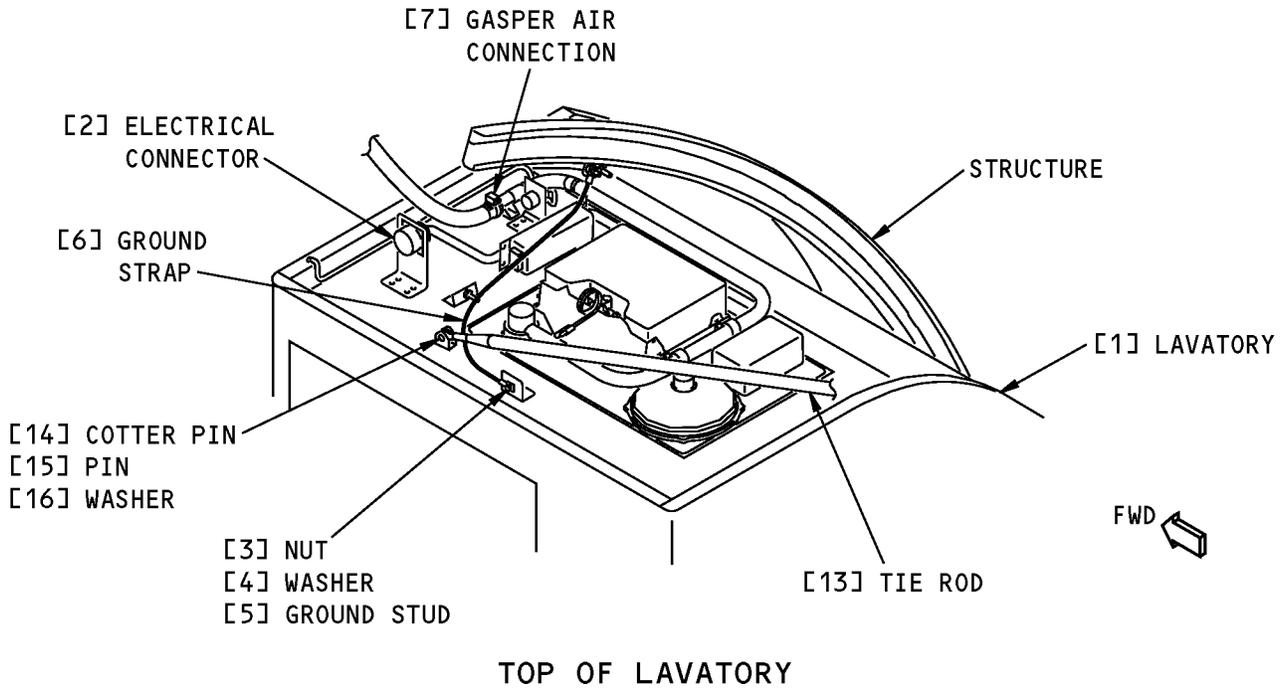
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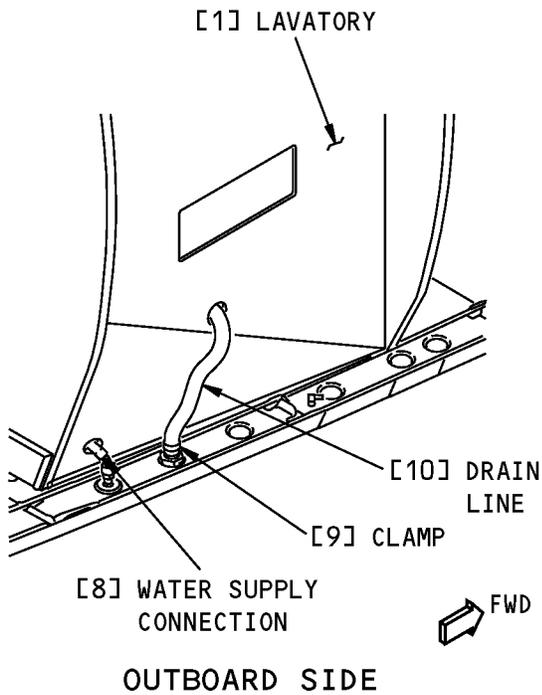
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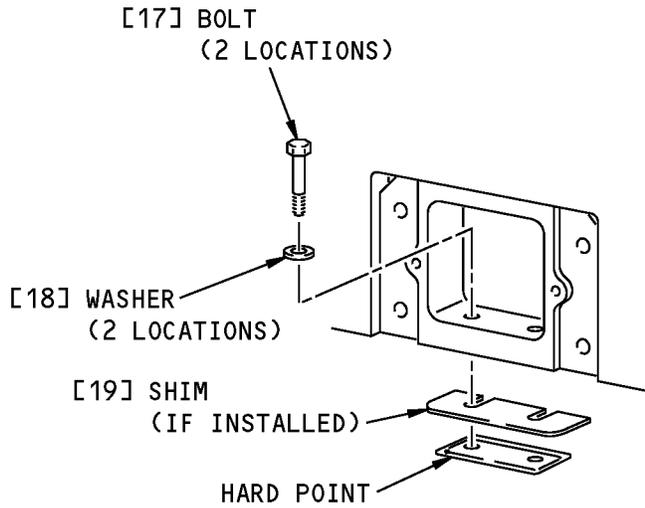
TOP OF LAVATORY

A



OUTBOARD SIDE

B



HARD POINT FITTING (EXAMPLE)

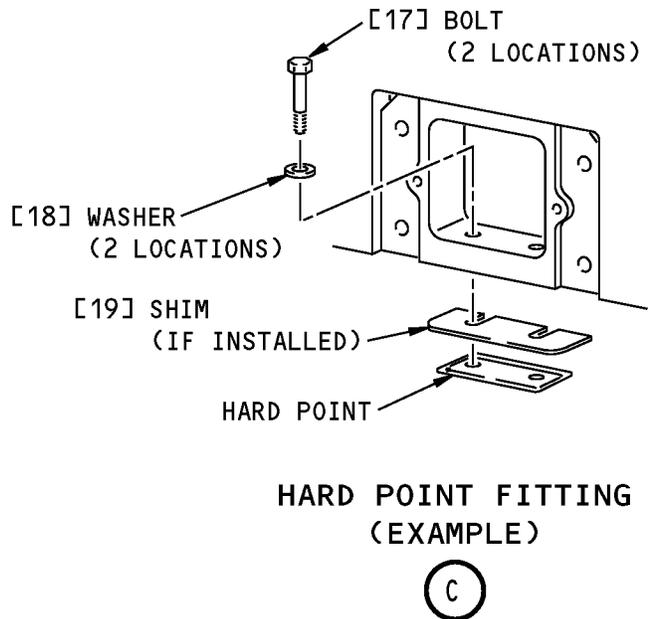
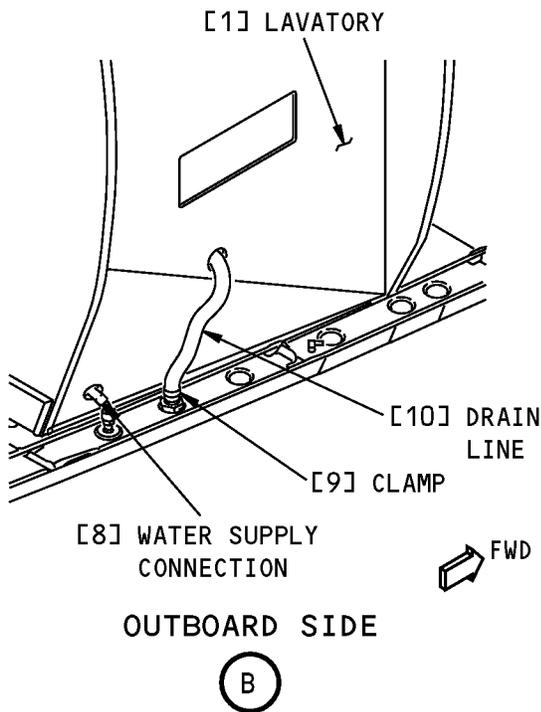
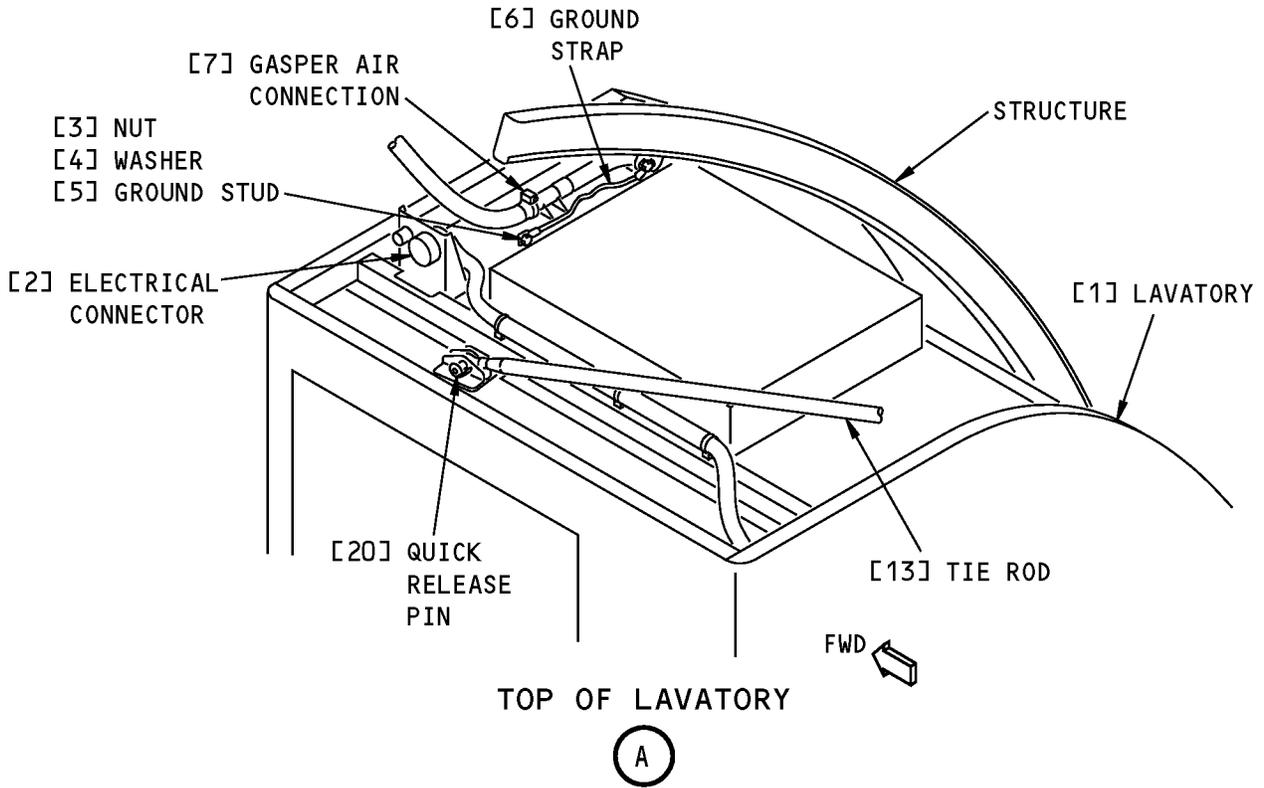
C

Lavatory E Installation
Figure 401 (Sheet 2 of 3)/25-40-15-990-801

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HAP 001-013, 015-026, 028-030

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Lavatory E Installation
Figure 401 (Sheet 3 of 3)/25-40-15-990-801

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AFT SLIDING CARPET LOADING SYSTEM - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) Aft Sliding Carpet Loading System - Removal,
- (2) Aft Sliding Carpet Loading System - Installation.

TASK 25-51-00-000-801

2. Aft Sliding Carpet Loading System - Removal

A. References

Reference	Title
25-51-01-000-801	Aft Cargo Compartment Movable Bulkhead Removal (P/B 401)
25-51-02-000-801	Aft Cargo Compartment Side Guide Removal (P/B 401)
25-51-02-000-802	Aft Cargo Compartment Side Guide Removal (P/B 401)
25-51-03-000-801	Aft Cargo Compartment Ramp Removal (P/B 401)
25-51-04-000-801	Aft Cargo Compartment Guide Panel Removal (P/B 201)
25-51-04-000-802	Aft Cargo Compartment Support Panel Removal (P/B 201)
25-51-05-000-801	Aft Cargo Compartment Drive Assembly Removal (P/B 401)
25-51-06-000-801	Aft Cargo Compartment Safety Flap Assembly Removal (P/B 401)
25-51-07-000-801	Aft Cargo Compartment Control Box Removal (P/B 201)
25-51-08-000-801	Aft Cargo Compartment Flexdown Support System Removal (P/B 401)
25-51-08-000-802	Aft Cargo Compartment Flexdown Support System Removal (P/B 401)
25-51-08-000-803	Aft Cargo Compartment Longitudinal Support System Removal (P/B 401)

B. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

C. Procedure

SUBTASK 25-51-00-020-001

- (1) Remove the Safety Flap. To remove the Safety Flap, do this task: Aft Cargo Compartment Safety Flap Assembly Removal, TASK 25-51-06-000-801

SUBTASK 25-51-00-020-002

- (2) Remove the Moveable Bulkhead. To remove the Moveable Bulkhead, do this task: Aft Cargo Compartment Movable Bulkhead Removal, TASK 25-51-01-000-801

SUBTASK 25-51-00-020-003

- (3) Remove the Ramp Assembly. To remove the Ramp Assembly, do this task: Aft Cargo Compartment Ramp Removal, TASK 25-51-03-000-801

SUBTASK 25-51-00-020-004

HAP 101-999

- (4) Remove the Side Guides. To remove the Side Guides, do this task: Aft Cargo Compartment Side Guide Removal, TASK 25-51-02-000-801

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HAP 101-999 (Continued)

HAP 001-013, 015-026, 028-049, 051-053

- (5) Remove the Side Guides. To remove the Side Guides, do this task: Aft Cargo Compartment Side Guide Removal, TASK 25-51-02-000-802

HAP 001-013, 015-026, 028-049, 051-053, 101-999

SUBTASK 25-51-00-020-006

- (6) Remove the Guide Panel. To remove the Guide Panel, do this task: Aft Cargo Compartment Guide Panel Removal, TASK 25-51-04-000-801

SUBTASK 25-51-00-020-007

- (7) Remove the Support Panels. To remove the Support Panels, do this task: Aft Cargo Compartment Support Panel Removal, TASK 25-51-04-000-802

SUBTASK 25-51-00-020-008

- (8) Remove the Drive Panel. To remove the Drive Panel, do this task: Aft Cargo Compartment Drive Assembly Removal, TASK 25-51-05-000-801

SUBTASK 25-51-00-010-001

HAP 101-999

- (9) Remove the Flexdown Support. To remove the Flexdown Support, do this task: Aft Cargo Compartment Flexdown Support System Removal, TASK 25-51-08-000-801

HAP 001-013, 015-026, 028-049, 051-053

- (10) Remove the Flexdown Support. To remove the Flexdown Support, do this task: Aft Cargo Compartment Flexdown Support System Removal, TASK 25-51-08-000-802

HAP 001-013, 015-026, 028-049, 051-053, 101-999

SUBTASK 25-51-00-020-009

- (11) Remove the Logitudinal Supports. To remove the Longitudinal Supports, do this task: Aft Cargo Compartment Longitudinal Support System Removal, TASK 25-51-08-000-803

SUBTASK 25-51-00-020-010

- (12) Remove the Control Box. To remove the Control Box, do this task: Aft Cargo Compartment Control Box Removal, TASK 25-51-07-000-801

END OF TASK

TASK 25-51-00-400-801

3. Aft Sliding Carpet Loading System - Installation

A. References

Table with 2 columns: Reference and Title. Lists tasks 25-51-01-400-801 through 25-51-06-400-801 and their corresponding titles.

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(Continued)

Reference	Title
25-51-07-400-801	Aft Cargo Compartment Control Box Installation (P/B 201)
25-51-08-400-801	Aft Cargo Compartment Flexdown Support System Installation (P/B 401)
25-51-08-400-802	Aft Cargo Compartment Flexdown Support System Installation (P/B 401)
25-51-08-400-803	Aft Cargo Compartment Longitudinal Support System Installation (P/B 401)

B. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

C. Procedure

SUBTASK 25-51-00-420-002

- (1) Install the Longitudinal Supports. To install the Longitudinal Supports, do this task: Aft Cargo Compartment Longitudinal Support System Installation, TASK 25-51-08-400-803

SUBTASK 25-51-00-010-003

HAP 101-999

- (2) Install the Flexdown Support. To install the Flexdown Support, do this task: Aft Cargo Compartment Flexdown Support System Installation, TASK 25-51-08-400-801

HAP 001-013, 015-026, 028-049, 051-053

- (3) Install the Flexdown Support. To install the Flexdown Support, do this task: Aft Cargo Compartment Flexdown Support System Installation, TASK 25-51-08-400-802

HAP 001-013, 015-026, 028-049, 051-053, 101-999

SUBTASK 25-51-00-420-003

- (4) Install the Drive Panel. to install the Drive Panel, do this task: Aft Cargo Compartment Drive Assembly Installation, TASK 25-51-05-400-802

SUBTASK 25-51-00-420-004

- (5) Install the support panels. To install the support panels, do this task: Aft Cargo Compartment Support Panel Installation, TASK 25-51-04-400-802

SUBTASK 25-51-00-420-005

- (6) Install the Guide Panel. To Install the Guide Panel, do this task: Aft Cargo Compartment Guide Panel Installation, TASK 25-51-04-400-801

SUBTASK 25-51-00-020-011

HAP 101-999

- (7) Install the Side Guides. To install the Side Guides, do this task: Aft Cargo Compartment Side Guide Installation, TASK 25-51-02-400-801

HAP 001-013, 015-026, 028-049, 051-053

- (8) Install the Side Guides. To install the Side Guides, do this task: Aft Cargo Compartment Side Guide Installation, TASK 25-51-02-400-802

HAP 001-013, 015-026, 028-049, 051-053, 101-999

<p>EFFECTIVITY</p> <p>HAP 001-013, 015-026, 028-049, 051-053, 101-999</p>

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SUBTASK 25-51-00-020-013

- (9) Install the Ramp Assembly. To install the Ramp Assembly, do this task: Aft Cargo Compartment Ramp Installation, TASK 25-51-03-400-801

SUBTASK 25-51-00-420-006

- (10) Install the Moveable Bulkhead. To install the Moveable Bulkhead, do this task: Aft Cargo Compartment Movable Bulkhead Installation, TASK 25-51-01-400-801

SUBTASK 25-51-00-420-007

- (11) Install the Safety Flap. To install the Safety Flap, do this task: Aft Cargo Compartment Safety Flap Assembly Installation, TASK 25-51-06-400-801

SUBTASK 25-51-00-400-001

- (12) Install the Control Box. To install the Control Box, do this task: Aft Cargo Compartment Control Box Installation, TASK 25-51-07-400-801.

————— **END OF TASK** —————

EFFECTIVITY

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AIRCRAFT MAINTENANCE MANUAL

AFT SLIDING CARPET LOADING SYSTEM MOVABLE BULKHEAD - REMOVAL/INSTALLATION

1. General

- A. These tasks contain data from the Scandinavian Bellyloading Company (SBC) SLC B737 Manuals 25-53-01. The data agrees with the Boeing publication standards. The technical content of this data is the same as the SBC manuals. Boeing will change the technical content of this data when they receive notification of changes. The data in the SBC manuals has technical authority over the data contained in these tasks.
- B. The movable bulkhead is the part of the Sliding Carpet Loading System that holds the cargo in its position during flight, and when the system loads and unloads the cargo. The movable bulkhead is connected to the carpet and moves with the carpet when the system operates.
- C. The manufacturer's Component Maintenance Manual recommends that you remove the movable bulkhead from the airplane when you do work on the movable bulkhead.
- D. This procedure has these tasks:
 - (1) Aft Cargo Compartment Movable Bulkhead Removal,
 - (2) Aft Cargo Compartment Movable Bulkhead Installation.

TASK 25-51-01-000-801

2. Aft Cargo Compartment Movable Bulkhead Removal

(Figure 401)

A. Location Zones

<u>Zone</u>	<u>Area</u>
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

B. Procedure

SUBTASK 25-51-01-860-001

- (1) Open these circuit breakers and install safety tags:

F/O Electrical System Panel, P6-11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	8	C01139	AFT CARGO LOADER CONT

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
HAP 037-049, 051-053, 101-999			
A	17	C00907	AFT CARGO LOADER DRIVE

HAP 001-013, 015-026, 028-036

E	8	C00907	AFT CARGO LOADER DRIVE
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HAP 001-013, 015-026, 028-049, 051-053, 101-999

SUBTASK 25-51-01-020-004

- (2) Disengage the carpet velcro from the velcro on the cotton club.

SUBTASK 25-51-01-020-001

- (3) Use the quick-lock pins [3] to remove the wing brackets from the carts on the side guides.

SUBTASK 25-51-01-020-002

- (4) Use the quick-lock pins [2] to remove the forks from the beltlocks.

EFFECTIVITY

HAP 001-013, 015-026, 028-049, 051-053, 101-999

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SUBTASK 25-51-01-020-003

- (5) Remove the movable bulkhead [1].
 - (a) Fold the wings in to the center, and put the front face in the down position.
 - (b) Remove the movable bulkhead [1].

————— **END OF TASK** —————

TASK 25-51-01-400-801

3. Aft Cargo Compartment Movable Bulkhead Installation

(Figure 401)

A. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

B. Procedure

SUBTASK 25-51-01-860-002

- (1) Make sure that these circuit breakers are open:

F/O Electrical System Panel, P6-11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	8	C01139	AFT CARGO LOADER CONT

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
HAP 037-049, 051-053, 101-999			
A	17	C00907	AFT CARGO LOADER DRIVE
HAP 001-013, 015-026, 028-036			
E	8	C00907	AFT CARGO LOADER DRIVE

HAP 001-013, 015-026, 028-049, 051-053, 101-999

SUBTASK 25-51-01-420-002

- (2) Put the movable bulkhead [1] into the cargo compartment with the wings folded in to the center, and with the front face in the down position.

SUBTASK 25-51-01-420-003

- (3) Put the movable bulkhead [1] on the end of the carpet and tilt it vertically.

NOTE: The movable bulkhead [1] is installed tightly against the foam rubber pads on the carpet. Do not put the movable bulkhead [1] directly on the panels.

NOTE: Make sure that the brushes around the movable bulkhead [1] fit tightly against the ceiling and the sidewalls.

SUBTASK 25-51-01-420-004

- (4) Use the quick-lock pins [2] to attach the forks to the beltlocks.

SUBTASK 25-51-01-420-005

- (5) Use the quick-lock pins [3] to attach the wing brackets to the carts on the side guides.

SUBTASK 25-51-01-420-006

- (6) Attach the carpet velcro to the velcro on the cotton club.

<p align="center">EFFECTIVITY</p> <p>HAP 001-013, 015-026, 028-049, 051-053, 101-999</p>
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SUBTASK 25-51-01-860-003

(7) Close these circuit breakers:

F/O Electrical System Panel, P6-11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	8	C01139	AFT CARGO LOADER CONT

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
HAP 037-049, 051-053, 101-999			
A	17	C00907	AFT CARGO LOADER DRIVE

HAP 001-013, 015-026, 028-036

E	8	C00907	AFT CARGO LOADER DRIVE
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HAP 001-013, 015-026, 028-049, 051-053, 101-999

————— **END OF TASK** —————

EFFECTIVITY

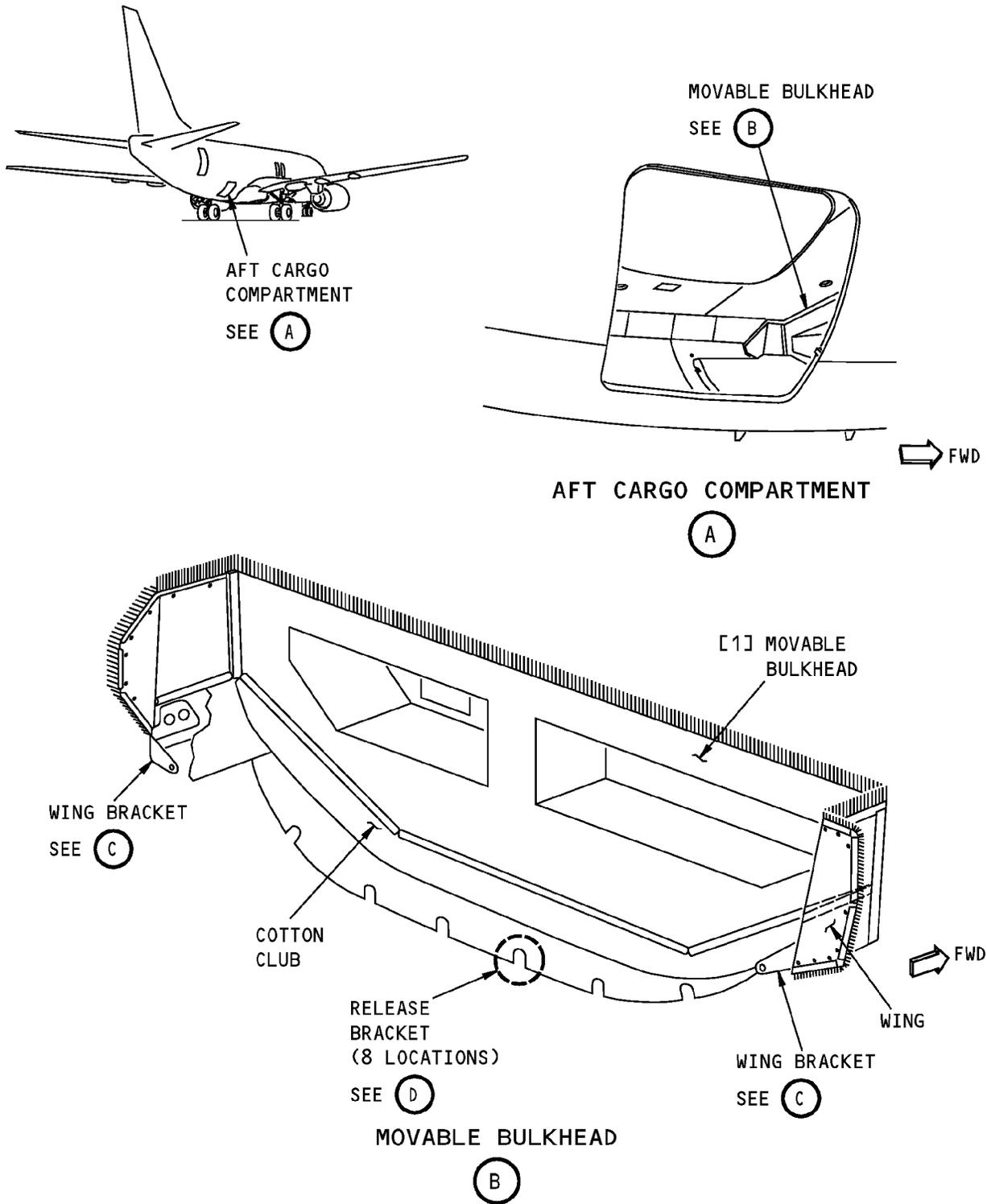
HAP 001-013, 015-026, 028-049, 051-053, 101-999

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**Aft Cargo Compartment Movable Bulkhead Installation
Figure 401 (Sheet 1 of 2)/25-51-01-990-801**

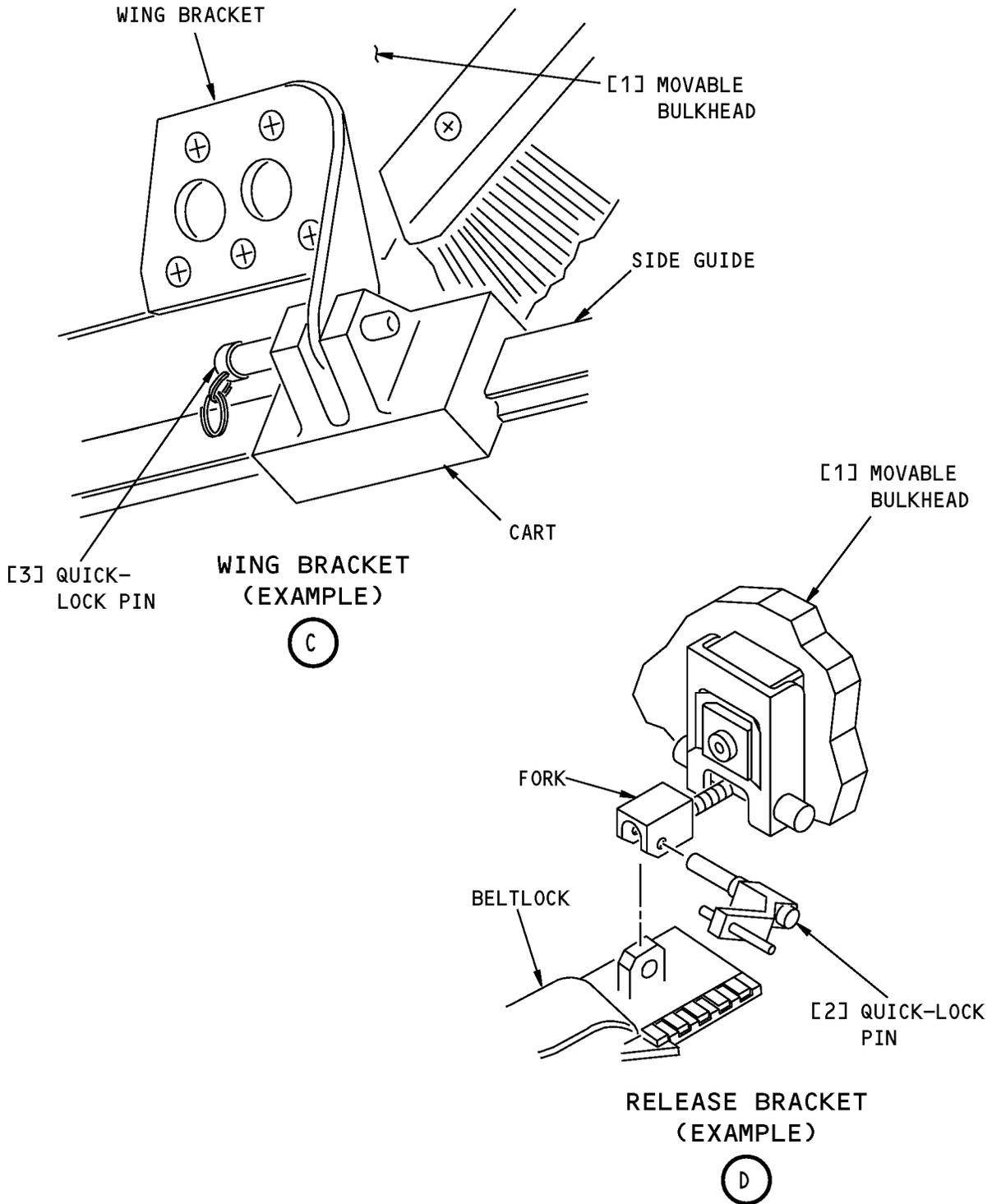
EFFECTIVITY
HAP 001-013, 015-026, 028-049, 051-053, 101-999

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Aft Cargo Compartment Movable Bulkhead Installation
Figure 401 (Sheet 2 of 2)/25-51-01-990-801

EFFECTIVITY
HAP 001-013, 015-026, 028-049, 051-053, 101-999

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AIRCRAFT MAINTENANCE MANUAL

AFT SLIDING CARPET LOADING SYSTEM SIDE GUIDE - REMOVAL/INSTALLATION

1. General

- A. These tasks contain data from the Scandinavian Bellyloading Company (SBC) SLC B737 Manuals. The data agrees with the Boeing publication standards. The technical content of this data is the same as the SBC manuals. Boeing will change the technical content of this data when they receive notification of changes. The data in the SBC manuals has technical authority over the data contained in these tasks.
- B. The side guides have three primary functions in the Sliding Carpet Loading System:
 - (1) Guide the carts that attach to the movable bulkhead,
 - (2) Guide the plastic plugs on the carpet,
 - (3) Seal the sidewall lining so objects do not fall below the loading system.
- C. You can do work on the side guides while they are installed on the aircraft.
- D. This procedure has these tasks:
 - (1) Aft Cargo Compartment Side Guide Removal,
 - (2) Aft Cargo Compartment Side Guide Installation.

HAP 101-999

TASK 25-51-02-000-801

2. Aft Cargo Compartment Side Guide Removal

(Figure 401)

A. General

- (1) The part numbers are different for the left side guide [4] and the right side guide [1]. Use the same procedure to remove the left side guide [4] and the right side guide [1].

B. References

Reference	Title
25-51-01-000-801	Aft Cargo Compartment Movable Bulkhead Removal (P/B 401)

C. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

D. Procedure

SUBTASK 25-51-02-010-001

- (1) Do this task: Aft Cargo Compartment Movable Bulkhead Removal, TASK 25-51-01-000-801.

SUBTASK 25-51-02-020-001

- (2) Remove the right side guide [1].
 - (a) Remove the screws [2] and the washers [3] to disconnect the right side guide [1] from the ramp.
 - (b) Remove the screws [2] and the washers [3] to remove the right side guide [1] from the panel attachments.
 - (c) Remove the right side guide [1].

EFFECTIVITY HAP 001-013, 015-026, 028-049, 051-053, 101-999
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HAP 101-999 (Continued)

(d) Do this procedure again to remove the left side guide [4].

————— END OF TASK —————

HAP 001-013, 015-026, 028-049, 051-053

TASK 25-51-02-000-802

3. Aft Cargo Compartment Side Guide Removal

(Figure 402)

A. General

- (1) The part numbers are different for the left front side guide [7], the right front side guide [2], the left back side guide [8], and the right back side guide [1]. The left front side guide [7] and the left back side guide [8] are opposite the right front side guide [2] and the right back side guide [1]. Use the same procedure to remove the left front side guides and the left back side guides.

B. References

Reference	Title
25-51-01-000-801	Aft Cargo Compartment Movable Bulkhead Removal (P/B 401)

C. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

D. Procedure

SUBTASK 25-51-02-010-002

- (1) Do this task: Aft Cargo Compartment Movable Bulkhead Removal, TASK 25-51-01-000-801.

SUBTASK 25-51-02-020-002

- (2) Remove the screws [3] and the washers [4] to remove the right front side guide [2] from the ramp.

SUBTASK 25-51-02-020-003

- (3) Remove the screws [3] and the washers [4] to remove the right front side guide [2] and the right back side guide [1] from the panel attachments.

SUBTASK 25-51-02-020-004

- (4) Remove the screws [3] and the washers [4] to remove the right front side guide [2] from the side guide joint plate [5].

SUBTASK 25-51-02-020-005

- (5) Remove the screws [3] and the washers [4] to remove the right back side guide [1] from the side guide joint plate [5].

SUBTASK 25-51-02-020-006

- (6) Remove the right front side guide [2] and the right back side guide [1].

SUBTASK 25-51-02-020-007

- (7) Do this procedure again to remove the left front side guide [7] and the left back side guide [8].

————— END OF TASK —————

EFFECTIVITY

HAP 001-013, 015-026, 028-049, 051-053, 101-999

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HAP 001-013, 015-026, 028-049, 051-053 (Continued)

HAP 101-999

TASK 25-51-02-400-801

4. Aft Cargo Compartment Side Guide Installation

(Figure 401)

A. General

- (1) The part numbers are different for the left side guide [4] and the right side guide [1]. Use the same procedure to install the left side guide [4] and the right side guide [1].

B. References

Reference	Title
25-51-01-400-801	Aft Cargo Compartment Movable Bulkhead Installation (P/B 401)

C. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

D. Procedure

SUBTASK 25-51-02-420-001

- (1) Use the screws [2] and the washers [3] to install the right side guide [1] to the panel attachments.

NOTE: Do not tighten the screws [2].

SUBTASK 25-51-02-420-002

- (2) Use the screws [2] and the washers [3] to attach the right side guide [1] to the ramp.

SUBTASK 25-51-02-420-003

- (3) Tighten the screws [2].

SUBTASK 25-51-02-420-004

- (4) Do this procedure again to install the left side guide [4].

SUBTASK 25-51-02-420-005

- (5) Do this task: Aft Cargo Compartment Movable Bulkhead Installation, TASK 25-51-01-400-801.

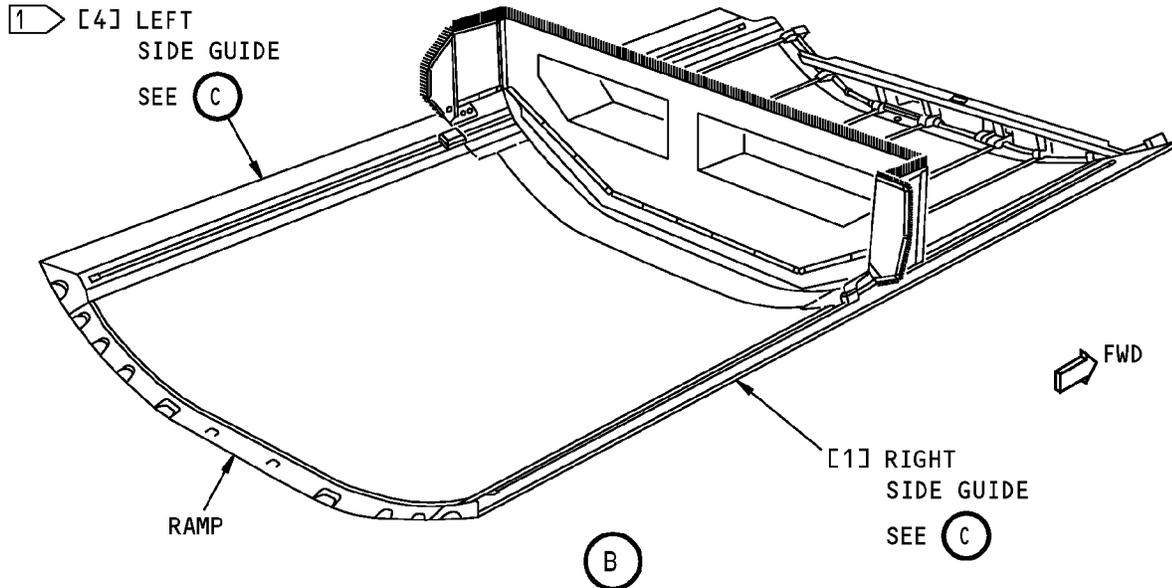
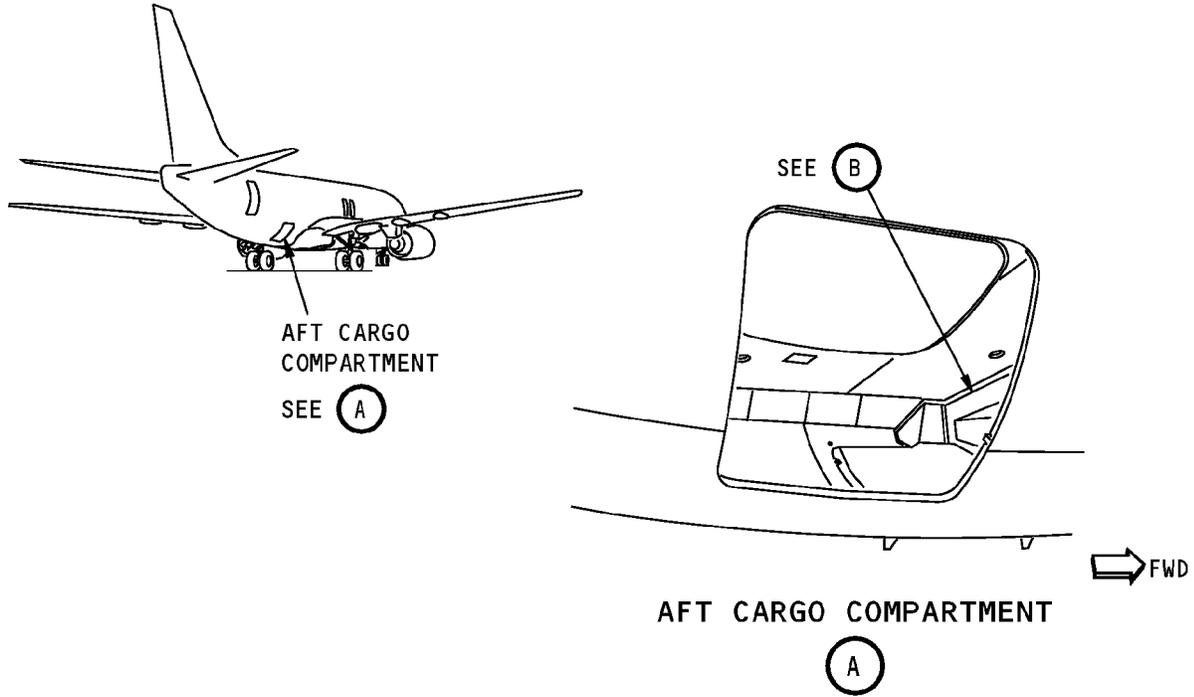
————— **END OF TASK** —————

<p>EFFECTIVITY</p> <p>HAP 001-013, 015-026, 028-049, 051-053, 101-999</p>

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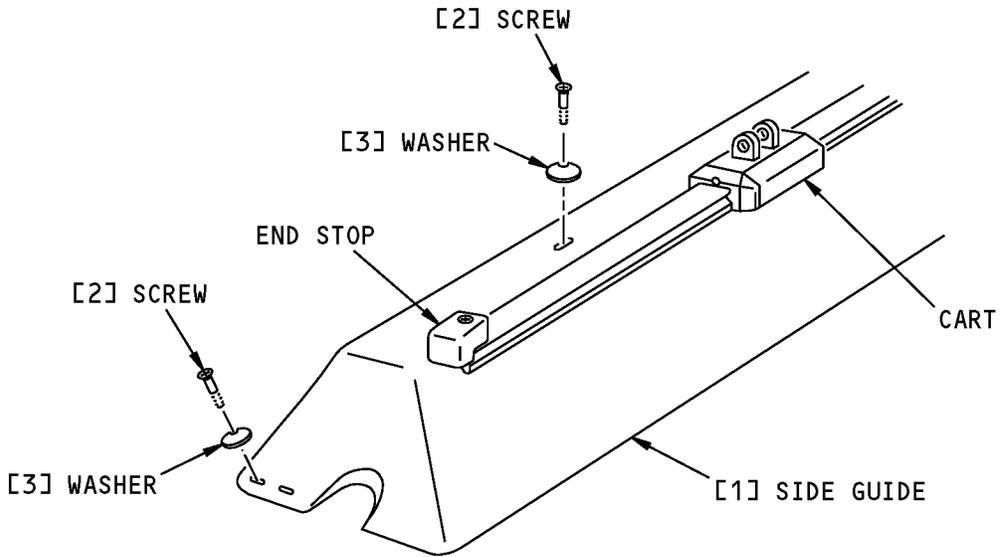
1 THE PART NUMBERS ARE DIFFERENT FOR THE LEFT SIDE GUIDE AND THE RIGHT SIDE GUIDE. THE SAME PROCEDURE IS USED TO REMOVE AND INSTALL THE LEFT AND THE RIGHT SIDE GUIDES.

Aft Cargo Compartment Side Guide Installation
Figure 401 (Sheet 1 of 2)/25-51-02-990-802

EFFECTIVITY
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**SIDE GUIDE
(EXAMPLE)**



**Aft Cargo Compartment Side Guide Installation
Figure 401 (Sheet 2 of 2)/25-51-02-990-802**

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HAP 101-999 (Continued)

HAP 001-013, 015-026, 028-049, 051-053

TASK 25-51-02-400-802

5. Aft Cargo Compartment Side Guide Installation

(Figure 402)

A. General

- (1) The part numbers are different for the left front side guide [7], the right front side guide [2], the left back side guide [8], and the right back side guide [1]. The left front side guide [7] and the left back side guide [8] are opposite the right front side guide [2] and the right back side guide [1]. Use the same procedure to install the left front side guides and the left back side guides.

B. References

Reference	Title
25-51-01-400-801	Aft Cargo Compartment Movable Bulkhead Installation (P/B 401)

C. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

D. Procedure

SUBTASK 25-51-02-420-006

- (1) Use the screws [3] and the washers [4] to attach the right front side guide [2] to the side guide joint plate [5].

NOTE: Make sure that you use the side guide joint bar [6] to align the track.

SUBTASK 25-51-02-420-007

- (2) Use the screws [3] and the washers [4] to attach the right back side guide [1] to the side guide joint plate [5].

NOTE: Make sure that you use the side guide joint bar [6] to align the track.

SUBTASK 25-51-02-420-008

- (3) Use the screws [3] and the washers [4] to install the right front side guide [2] and the right back side guide [1] that are attached to the side guide joint plate [5] to the panel attachments.

NOTE: Do not tighten the screws [3].

SUBTASK 25-51-02-420-009

- (4) Use the screws [3] and the washers [4] to attach the right front side guide [2] to the ramp.

SUBTASK 25-51-02-420-010

- (5) Tighten the screws [2].

SUBTASK 25-51-02-420-011

- (6) Do this procedure again to install the left front side guide [7] and the left back side guide [8].

SUBTASK 25-51-02-410-001

- (7) Do this task: Aft Cargo Compartment Movable Bulkhead Installation, TASK 25-51-01-400-801.

————— **END OF TASK** —————

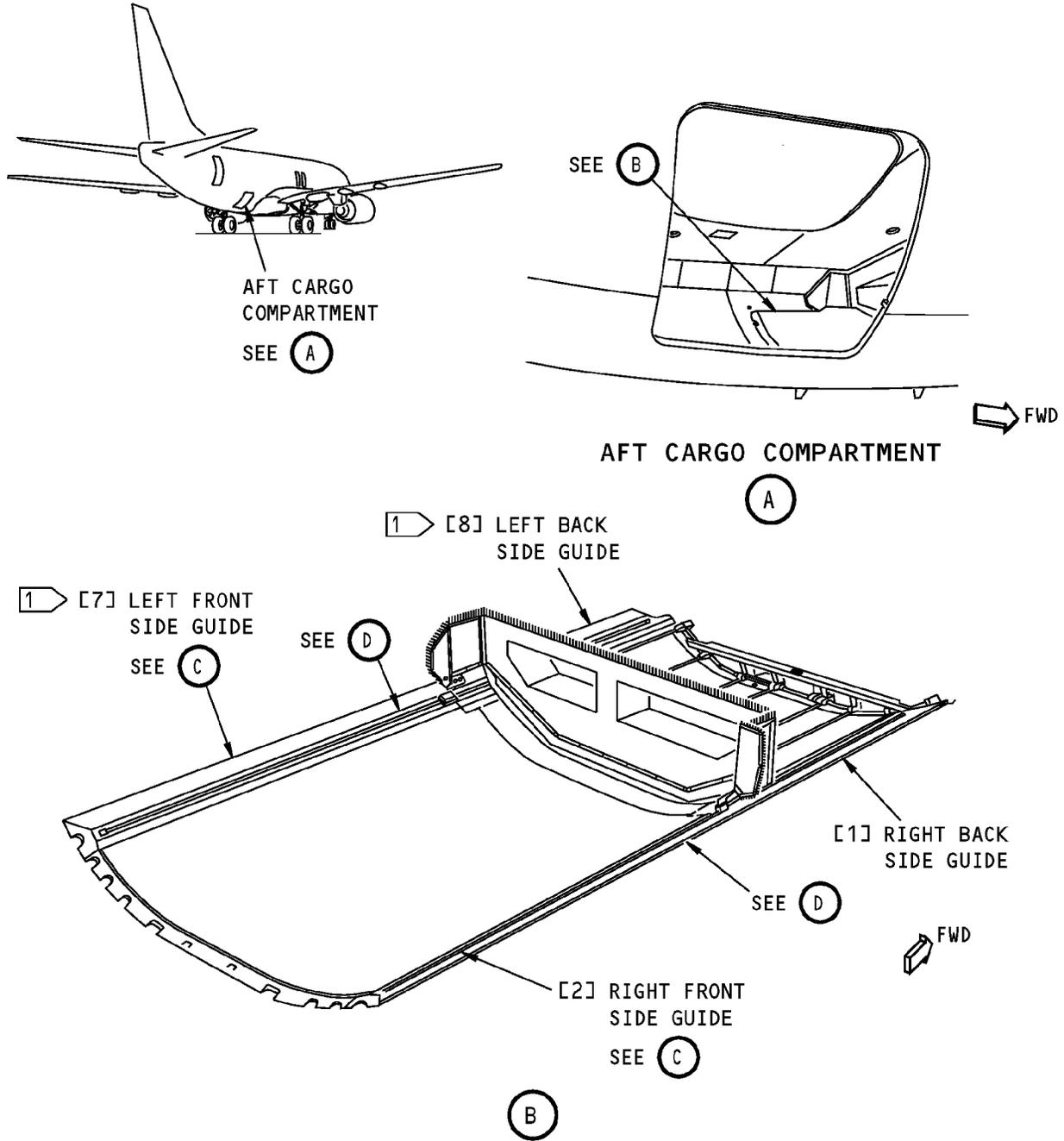
<p>EFFECTIVITY</p> <p>HAP 001-013, 015-026, 028-049, 051-053, 101-999</p>

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1 THE PART NUMBERS ARE DIFFERENT FOR THE LEFT FRONT SIDE GUIDE, THE RIGHT FRONT SIDE GUIDE, THE LEFT BACK SIDE GUIDE, AND THE RIGHT BACK SIDE GUIDE. THE SAME PROCEDURE IS USED TO REMOVE AND INSTALL THE LEFT AND THE RIGHT SIDE GUIDES.

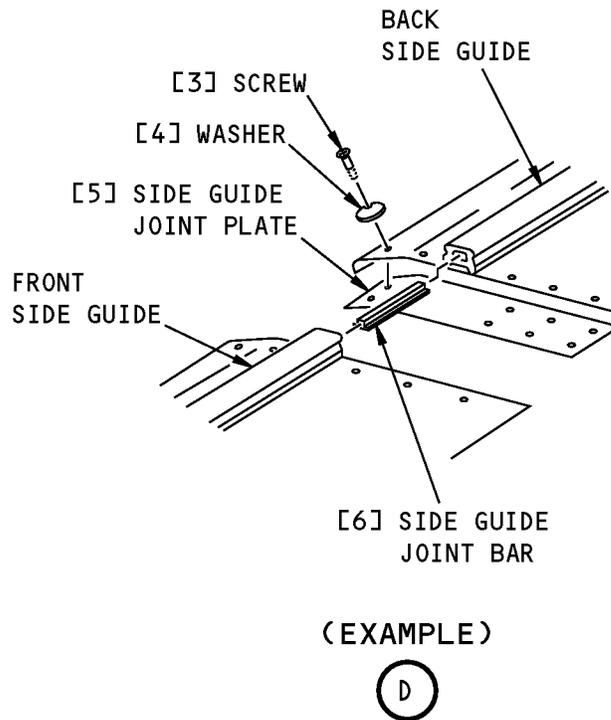
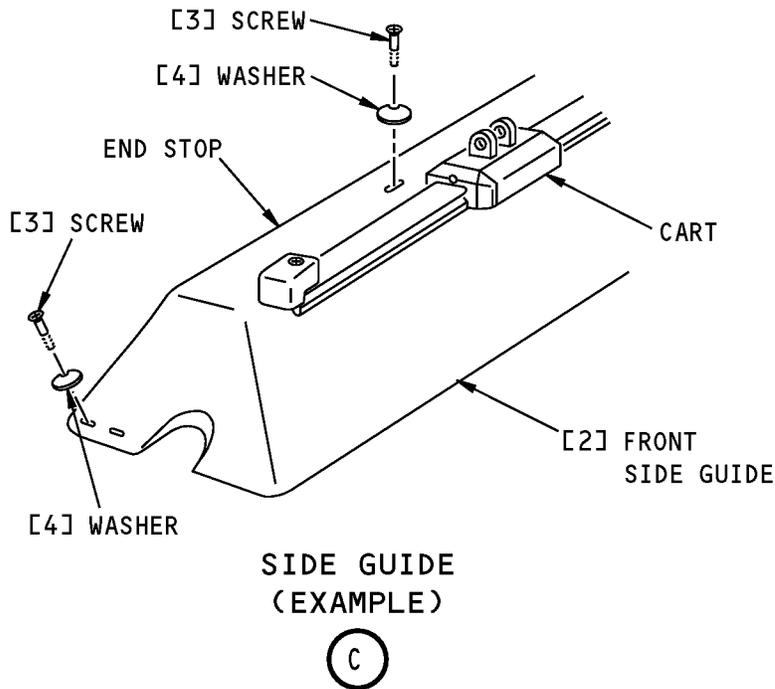
**Aft Cargo Compartment Side Guide Installation
Figure 402 (Sheet 1 of 2)/25-51-02-990-801**

EFFECTIVITY
HAP 001-013, 015-026, 028-049, 051-053

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**Aft Cargo Compartment Side Guide Installation
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HAP 001-013, 015-026, 028-049, 051-053

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AIRCRAFT MAINTENANCE MANUAL

AFT SLIDING CARPET LOADING SYSTEM RAMP - REMOVAL/INSTALLATION

1. General

- A. These tasks contain data from the Scandinavian Bellyloading Company (SBC) SLC B737 Maintenance 25-53-01. The data agrees with the Boeing publication standards. The technical content of this data is the same as the SBC maintenance manual. Boeing will change the technical content of this data when they receive notification of changes. The data in the SBC maintenance manual has technical authority over the data contained in these tasks.
- B. The ramp is the bridge between the floor and the carpet. The ramp does not let objects fall below the carpet. A brush seals against the guide rollers.
- C. This procedure has these tasks:
 - (1) Aft Cargo Compartment Ramp Removal,
 - (2) Aft Cargo Compartment Ramp Installation.

TASK 25-51-03-000-801

2. Aft Cargo Compartment Ramp Removal

(Figure 401)

A. References

Reference	Title
25-51-02-000-801	Aft Cargo Compartment Side Guide Removal (P/B 401)
25-51-02-000-802	Aft Cargo Compartment Side Guide Removal (P/B 401)

B. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

C. Procedure

SUBTASK 25-51-03-010-001

HAP 101-999

- (1) Do this task: Aft Cargo Compartment Side Guide Removal, TASK 25-51-02-000-801.

HAP 001-013, 015-026, 028-049, 051-053

- (2) Do this task: Aft Cargo Compartment Side Guide Removal, TASK 25-51-02-000-802.

HAP 001-013, 015-026, 028-049, 051-053, 101-999

SUBTASK 25-51-03-020-001

- (3) Remove the screws [5] and [6] to remove the tiedown bracket [4].

SUBTASK 25-51-03-020-002

- (4) Remove the screws [8] to remove the tiedown attachments [7].

SUBTASK 25-51-03-020-003

- (5) Remove the screws [2] and the washers [3] to remove the ramp [1] from the ramp channels.

SUBTASK 25-51-03-020-004

- (6) Remove the ramp [1].

————— **END OF TASK** —————

EFFECTIVITY

HAP 001-013, 015-026, 028-049, 051-053, 101-999

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TASK 25-51-03-400-801

3. Aft Cargo Compartment Ramp Installation

(Figure 401)

A. References

Reference	Title
25-51-02-400-801	Aft Cargo Compartment Side Guide Installation (P/B 401)
25-51-02-400-802	Aft Cargo Compartment Side Guide Installation (P/B 401)

B. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

C. Procedure

SUBTASK 25-51-03-420-001

(1) Use the screws [2] and the washers [3] to install the ramp [1] to the ramp channels.

SUBTASK 25-51-03-420-002

(2) Use the screws [8] to install the tiedown attachments [7] to the outer positions on the ramp [1].

NOTE: Make sure that the brush on the ramp [1] fits tightly against the guide rollers on the guide panel.

SUBTASK 25-51-03-420-003

(3) Use the screws [5] and [6] to install the tiedown bracket [4] to the existing nut plates in the floor.

SUBTASK 25-51-03-410-001

HAP 101-999

(4) Do this task: Aft Cargo Compartment Side Guide Installation, TASK 25-51-02-400-801.

HAP 001-013, 015-026, 028-049, 051-053

(5) Do this task: Aft Cargo Compartment Side Guide Installation, TASK 25-51-02-400-802.

HAP 001-013, 015-026, 028-049, 051-053, 101-999

————— **END OF TASK** —————

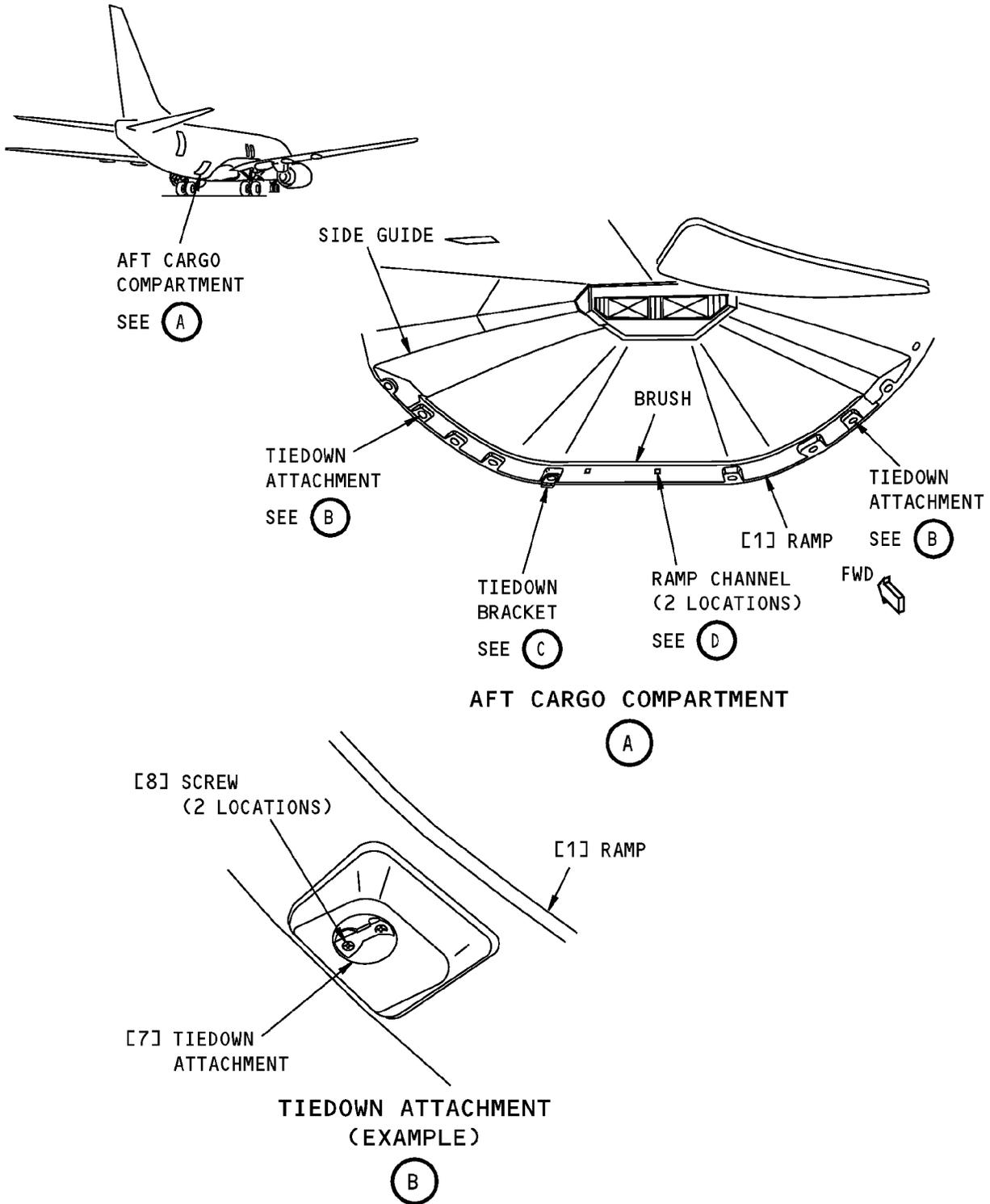
<p>EFFECTIVITY</p> <p>HAP 001-013, 015-026, 028-049, 051-053, 101-999</p>
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**Aft Cargo Compartment Ramp Installation
Figure 401 (Sheet 1 of 2)/25-51-03-990-801**

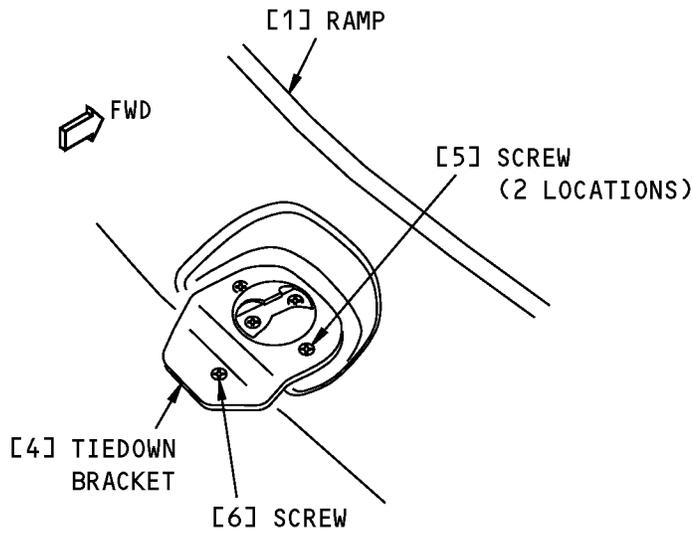
EFFECTIVITY
HAP 001-013, 015-026, 028-049, 051-053, 101-999

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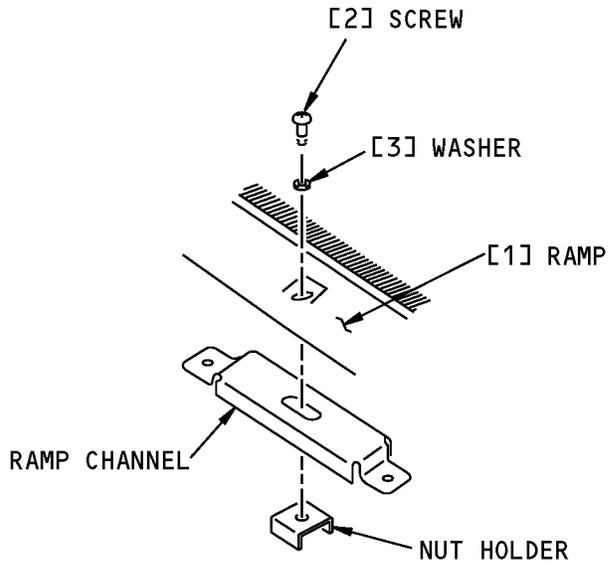
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TIEDOWN BRACKET

(C)



**RAMP CHANNEL
(EXAMPLE, 2 LOCATIONS)**

(D)

**Aft Cargo Compartment Ramp Installation
Figure 401 (Sheet 2 of 2)/25-51-03-990-801**

EFFECTIVITY
HAP 001-013, 015-026, 028-049, 051-053, 101-999

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AIRCRAFT MAINTENANCE MANUAL

AFT SLIDING CARPET LOADING SYSTEM GUIDE AND SUPPORT PANELS - MAINTENANCE PRACTICES

1. General

- A. These tasks contain data from the Scandinavian Bellyloading Company (SBC) SLC B737 Manuals 25-53-01. The data agrees with the Boeing publication standards. The technical content of this data is the same as the SBC manuals. Boeing will change the technical content of this data when they receive notification of changes. The data in the SBC manuals has technical authority over the data contained in these tasks.
- B. The panels are the structural part of the Sliding Carpet Loading System. The carpet moves on and below the panels. The sides of the panels are attached to the airplane. Through these attachment points, the loads from the cargo are moved to the airplane structure. At loads over 1G, the panels will push down on the flexdown support system to prevent too much load on the airplane structure.
- C. The panels are connected to each other. The panel installed adjacent to the cargo compartment bulkhead is the drive panel. The drive panel is installed as part of the drive assembly. The support panels are in the middle and extend the length of the Sliding Carpet Loading System. The panel that is near the cargo door is the guide panel. The guide panel has rollers that turn the carpet around the outer edge of the system.
- D. The manufacturer's Component Maintenance Manual recommends that you remove the panels from the airplane when you do work on the panels.
- E. This procedure has these tasks:
 - (1) Aft Cargo Compartment Guide Panel Removal,
 - (2) Aft Cargo Compartment Guide Panel Installation,
 - (3) Aft Cargo Compartment Support Panel Removal,
 - (4) Aft Cargo Compartment Support Panel Installation,
 - (5) Aft Cargo Compartment Guide, Drive, and Support Panels Adjustment.

TASK 25-51-04-000-801

2. Aft Cargo Compartment Guide Panel Removal

(Figure 201)

A. References

Reference	Title
25-51-05-000-802	Aft Cargo Compartment Carpet Detachment (P/B 401)

B. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

C. Procedure

SUBTASK 25-51-04-010-001

- (1) Do this task: Aft Cargo Compartment Carpet Detachment, TASK 25-51-05-000-802.

SUBTASK 25-51-04-020-001

- (2) Remove the guide panel [1].
 - (a) At STA 767, remove the screw [7], the washer [8], and the nut [6] to detach the extension arm from the airplane attachment assembly.
 - (b) At STA 787, remove the screw [9], the washer [5], and the nut [6] to detach the extension arm from the airplane attachment assembly.

EFFECTIVITY

HAP 001-013, 015-026, 028-049, 051-053, 101-999

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- (c) Remove the screws [2] from the straight joint of the guide panel [1].
- (d) Remove the screws [3] from the curved joints of the panel [1].
- (e) Remove the guide panel [1].

————— END OF TASK —————

TASK 25-51-04-400-801

3. Aft Cargo Compartment Guide Panel Installation

(Figure 201)

A. References

Reference	Title
25-51-05-400-801	Aft Cargo Compartment Carpet Attachment (P/B 401)

B. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

C. Procedure

SUBTASK 25-51-04-420-001

- (1) Attach the guide panel [1] to the support panel [10].
 - (a) Push the guide panel [1] tight against the support panel [10].
 - (b) Install the shorter screws [2] in the straight joint.
 - (c) Install the longer screws [3] in the curved joints.

SUBTASK 25-51-04-420-002

- (2) Attach the guide panel [1] to the airplane attachment assembly.
 - (a) At STA 767, install the screw [7], the washer [8], and the nut [6] to the airplane attachment assembly to attach the extension arm on the guide panel [1] to the airplane attachment assembly.

NOTE: The washer [8] is a standard washer.

NOTE: The extension arm is adjustable in the longitudinal direction. Make sure that the screw [7] aligns with the airplane structure.

- (b) At STA 787, install the screw [9], the washer [5], and the nut [6] to the airplane attachment assembly to attach the extension arm on the guide panel [1] to the airplane attachment assembly.

NOTE: Make sure that the thick part of the washer [5] is in the down direction.

NOTE: The extension arm is adjustable in the longitudinal direction. Make sure that the screw [9] aligns with the airplane structure.

SUBTASK 25-51-04-420-003

- (3) Adjust the screws [7] and [9] on each side of the guide panel [1] until it rests on the flexdown support system.

SUBTASK 25-51-04-820-001

- (4) Adjust the height of the panels above the flexdown support system. To adjust the height, do this task: Aft Cargo Compartment Drive, Guide, and Support Panels Adjustment, TASK 25-51-04-800-801.

<p>EFFECTIVITY</p> <p>HAP 001-013, 015-026, 028-049, 051-053, 101-999</p>

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SUBTASK 25-51-04-410-001

(5) Do this task: Aft Cargo Compartment Carpet Attachment, TASK 25-51-05-400-801.

————— **END OF TASK** —————

TASK 25-51-04-000-802

4. Aft Cargo Compartment Support Panel Removal

(Figure 201)

A. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

B. Procedure

SUBTASK 25-51-04-010-002

(1) Do this task: Aft Cargo Compartment Guide Panel Removal, TASK 25-51-04-000-801.

SUBTASK 25-51-04-020-002

(2) Remove the support panel [10] from the adjacent panel.

NOTE: There may be several support panels [10]. The procedure to remove each support panel [10] is the same.

- (a) Remove the screw [4], the washer [5], and the nut [6] to remove the panel attachment assembly from the airplane attachment assembly.
- (b) Remove the screws [2] from the straight joint of the guide panel [1].
- (c) Remove the screws [3] from the curved joints of the panel [1].
- (d) Remove the support panel [10].

————— **END OF TASK** —————

TASK 25-51-04-400-802

5. Aft Cargo Compartment Support Panel Installation

(Figure 201)

A. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

B. Procedure

SUBTASK 25-51-04-420-004

(1) Install the support panel [10].

NOTE: There may be several support panels [10]. The procedure to install each support panel [10] is the same.

- (a) Attach the support panel [10] to the adjacent panel.
 - 1) Push the support panel [10] tight against the adjacent panel.
 - 2) Install the shorter screws [2] in the straight joint.
 - 3) Install the longer screws [3] in the curved joints.

<p>EFFECTIVITY</p> <p>HAP 001-013, 015-026, 028-049, 051-053, 101-999</p>

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- (b) Install the screw [4], the washer [5], and the nut [6] to attach the panel attachment assembly to the airplane attachment assembly.

NOTE: Make sure that the thick part of the washer [5] is in the up direction.

NOTE: The extension arm is adjustable in the longitudinal direction. Make sure that the screw [4] aligns with the airplane structure.

SUBTASK 25-51-04-420-005

- (2) Adjust the screws [4] on each side of the support panel [10] until it rests on the flexdown support system.

SUBTASK 25-51-04-410-002

- (3) Do this task: Aft Cargo Compartment Guide Panel Installation, TASK 25-51-04-400-801.

————— END OF TASK —————

TASK 25-51-04-800-801

6. Aft Cargo Compartment Drive, Guide, and Support Panels Adjustment

(Figure 202)

A. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

B. Procedure

SUBTASK 25-51-04-820-002

- (1) To make sure that accurate measurements are done, only one person must do this task. The person must stay on the centerline of the Sliding Carpet Loading System to do this task.

SUBTASK 25-51-04-820-003

CAUTION: MAKE SURE THAT THE HEIGHT OF THE PANELS ABOVE THE FLEXDOWN SUPPORT SYSTEM IS CORRECT. IF THE PANELS ARE TOO HIGH, DAMAGE TO THE AIRPLANE STRUCTURE CAN OCCUR FROM HIGH LOADS. IF THE PANELS ARE TOO LOW, DAMAGE TO THE SLIDING CARPET LOADING SYSTEM CAN OCCUR IF THE CARPET CANNOT MOVE FREELY BELOW THE PANELS.

- (2) Use a caliper to measure the height of the panels above the flexdown support system.
 - (a) Measure the height of the panels through the holes in the straight panel joint.
 - (b) Make sure that the height between the top side of the panels and the flexdown support system is 1.53 -0.08/ +0.04 inches (39 -2/ +1 mm).

SUBTASK 25-51-04-820-004

- (3) If the height of the panels above the flexdown support system is not correct, adjust the height.
 - (a) Start with the panel attachment assemblies that are nearest the cargo compartment bulkhead, and then adjust the panel attachment assemblies as you move nearer to the cargo door.
 - 1) Use the screws [4] to adjust the height of the drive panel [1] and the support panels [10].
 - 2) At STA 767, use the screws [7] to adjust the height of the guide panel [1].
 - 3) At STA 787, use the screws [9] to adjust the height of the guide panel [1].
 - (b) Tighten the nuts [6].

EFFECTIVITY
HAP 001-013, 015-026, 028-049, 051-053, 101-999

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- (c) Tighten the screws [3] in the curved panel joints.

END OF TASK

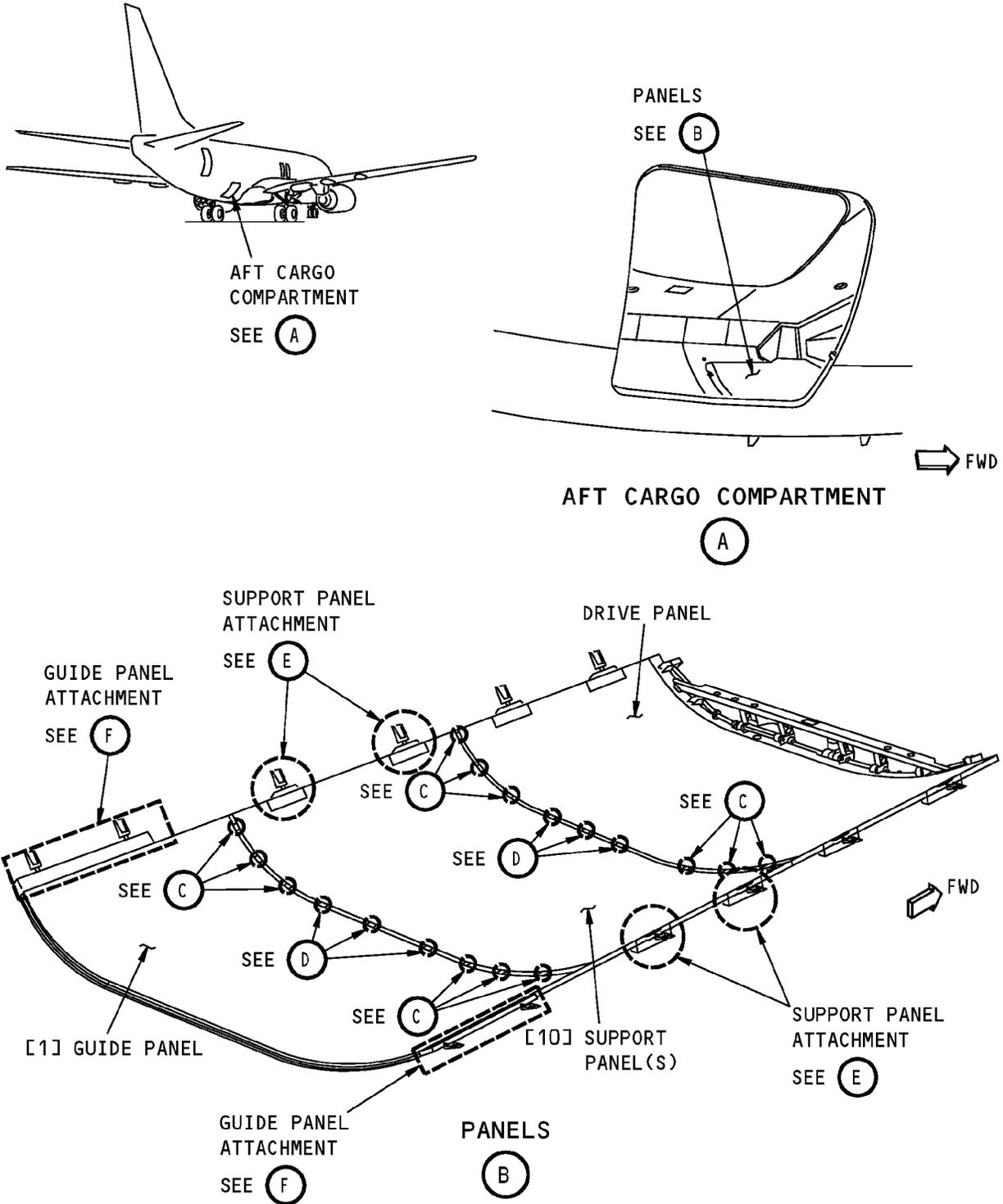
EFFECTIVITY

HAP 001-013, 015-026, 028-049, 051-053, 101-999

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**Aft Cargo Compartment Guide and Support Panels Installation
Figure 201 (Sheet 1 of 2)/25-51-04-990-801**

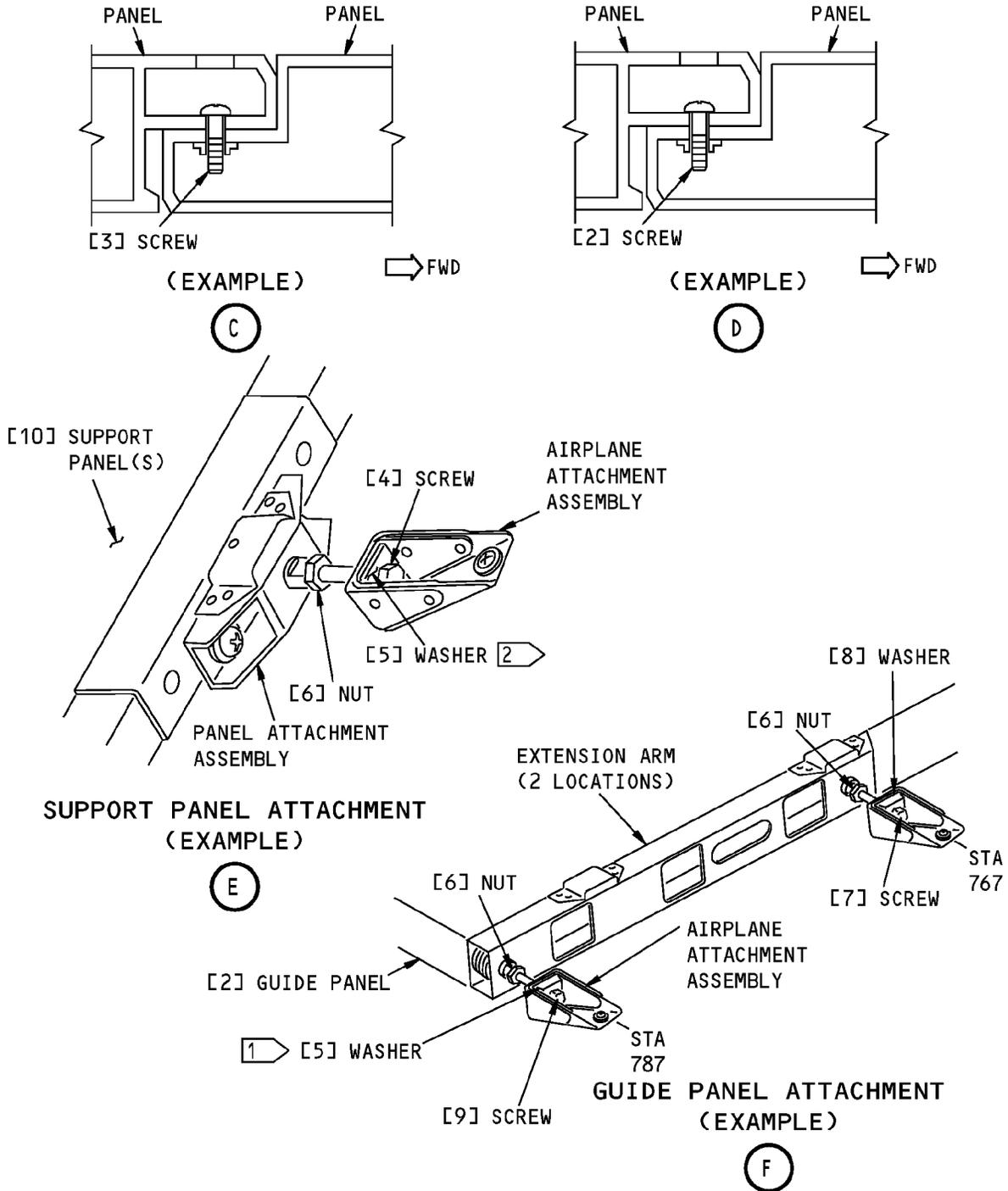
EFFECTIVITY
HAP 001-013, 015-026, 028-049, 051-053, 101-999

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- 1 MAKE SURE THAT THE THICK PART OF THE WASHER IS IN THE DOWN DIRECTION.
- 2 MAKE SURE THAT THE THICK PART OF THE WASHER IS IN THE UP DIRECTION.

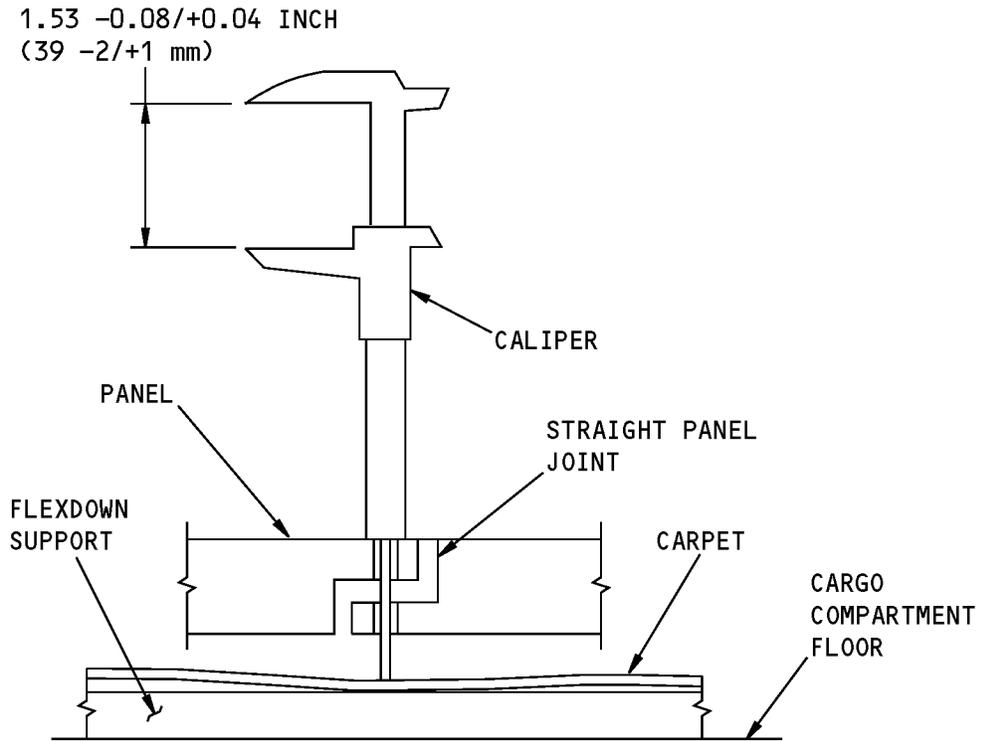
Aft Cargo Compartment Guide and Support Panels Installation
Figure 201 (Sheet 2 of 2)/25-51-04-990-801

EFFECTIVITY
 HAP 001-013, 015-026, 028-049, 051-053, 101-999

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**Panel Height Adjustment
Figure 202/25-51-04-990-802**

EFFECTIVITY
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AFT SLIDING CARPET LOADING SYSTEM DRIVE ASSEMBLY - REMOVAL/INSTALLATION

1. General

- A. These tasks contain data from the Scandinavian Bellyloading Company (SBC) SLC B737 Manuals 25-53-01, dated February 20, 1998. The data agrees with the Boeing publication standards. The technical content of this data is the same as the SBC manuals. Boeing will change the technical content of this data when they receive notification of changes. The data in the SBC manuals has technical authority over the data contained in these tasks.
- B. The drive assembly is the part of the Sliding Carpet Loading System that pulls the belts that are connected to the carpet. The drive assembly includes the drive assembly frame, the drive unit, the drive panel, the belts, and the carpet.
- C. You can do work on most of the parts in the drive assembly while it is installed on the airplane.
- D. This procedure has these tasks:
 - (1) Aft Cargo Compartment Carpet Detachment,
 - (2) Aft Cargo Compartment Carpet Attachment,
 - (3) Aft Cargo Compartment Drive Assembly Removal,
 - (4) Aft Cargo Compartment Drive Assembly Installation.
 - (5) Aft Cargo Compartment Actuator Motor Removal,
 - (6) Aft Cargo Compartment Actuator Motor Installation.

TASK 25-51-05-000-802

2. Aft Cargo Compartment Carpet Detachment

(Figure 401)

A. References

Reference	Title
25-51-03-000-801	Aft Cargo Compartment Ramp Removal (P/B 401)

B. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

C. Procedure

SUBTASK 25-51-05-010-001

- (1) Do this task: Aft Cargo Compartment Ramp Removal, TASK 25-51-03-000-801.

SUBTASK 25-51-05-020-001

- (2) Detach the carpet from the toothed belt.
 - (a) Remove the spring pin [7].
 - (b) Open the camlock.
 - (c) Remove the screws [8] to open the beltlock.
 - (d) Detach the carpet from the toothed belt.

————— **END OF TASK** —————

EFFECTIVITY HAP 001-013, 015-026, 028-049, 051-053, 101-999
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TASK 25-51-05-400-801

3. Aft Cargo Compartment Carpet Attachment

(Figure 401)

A. References

Reference	Title
25-51-03-400-801	Aft Cargo Compartment Ramp Installation (P/B 401)
25-51-04-400-801	Aft Cargo Compartment Guide Panel Installation (P/B 201)
25-51-04-400-802	Aft Cargo Compartment Support Panel Installation (P/B 201)

B. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

C. Procedure

SUBTASK 25-51-05-420-001

(1) Attach the carpet to the toothed belt.

(a) Put the carpet on the floor.

NOTE: Make sure that the cargo compartment is clean.

(b) If the support panels are not installed, do this task: Aft Cargo Compartment Support Panel Installation, TASK 25-51-04-400-802.

NOTE: Make sure that the panels are clean.

(c) If the guide panel is not installed, do this task: Aft Cargo Compartment Guide Panel Installation, TASK 25-51-04-400-801.

NOTE: Make sure that the panels are clean.

(d) Fold the free end of the carpet to the top of the guide panel.

NOTE: Make sure that the carpet is in the center of the guide panel. If the carpet is not in the center of the guide panel, it will not adjust automatically to the center, and the guide plugs can become worn.

NOTE: Make sure that the belts are not twisted.

(e) Open all the camlocks.

(f) Open all the beltlocks.

1) Adjust the adjustment screw to equal lengths for each beltlock.

(g) Adjust the tension of the belts to the white mark on each belt.

NOTE: Start with the center belts.

1) Put the belt in the beltlock.

2) Install the screw [8] to close the belt in the beltlock.

3) Close the camlock.

EFFECTIVITY

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- 4) Repeat the previous steps to adjust the tension of each belt, working out to both sides and then back to the center again.

NOTE: If one person lifts the belts on each side of the belt being adjusted, it is easier to adjust the tension.

NOTE: It can be hard to adjust the belts in the most outer positions to the white mark. A distance of one belt tooth between the beltlock and the white mark is permitted.

NOTE: The adjustment screw is used only for very small adjustments.

- (h) Measure the distance from the left end and from the right end of the carpet to the drive assembly frame.

NOTE: Make sure that there is no more than 0.1 inch (2.5mm) difference in the distance from each end of the carpet to the drive assembly frame.

- (i) Close the camlocks if this has not been done.

- (j) Install the spring pin [7].

SUBTASK 25-51-05-410-001

- (2) Do this task: Aft Cargo Compartment Ramp Installation, TASK 25-51-03-400-801.

————— **END OF TASK** —————

TASK 25-51-05-000-801

4. Aft Cargo Compartment Drive Assembly Removal

(Figure 401)

A. References

Reference	Title
25-51-04-000-801	Aft Cargo Compartment Guide Panel Removal (P/B 201)
25-51-04-000-802	Aft Cargo Compartment Support Panel Removal (P/B 201)

B. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

C. Procedure

SUBTASK 25-51-05-010-002

- (1) Do this task: Aft Cargo Compartment Carpet Detachment, TASK 25-51-05-000-802.

SUBTASK 25-51-05-010-003

- (2) Do this task: Aft Cargo Compartment Guide Panel Removal, TASK 25-51-04-000-801.

SUBTASK 25-51-05-010-004

- (3) Do this task: Aft Cargo Compartment Support Panel Removal, TASK 25-51-04-000-802.

SUBTASK 25-51-05-020-002

- (4) Remove the drive assembly [1].
 - (a) Put the carpet on the drive panel.
 - (b) Disconnect the connector from the receptacle on the cargo compartment bulkhead.

<p>EFFECTIVITY</p> <p>HAP 001-013, 015-026, 028-049, 051-053, 101-999</p>

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- (c) Remove the screw [4], the washer [5], and the nut [6] to remove the panel attachment assembly from the airplane attachment assembly.
- (d) Remove the screws [2] and the washers [3] to remove the drive assembly [1] from the longitudinal bars.
- (e) Remove the drive assembly [1].

————— END OF TASK —————

TASK 25-51-05-400-802

5. Aft Cargo Compartment Drive Assembly Installation

(Figure 401)

A. References

Reference	Title
25-51-04-400-801	Aft Cargo Compartment Guide Panel Installation (P/B 201)
25-51-04-400-802	Aft Cargo Compartment Support Panel Installation (P/B 201)

B. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

C. Procedure

SUBTASK 25-51-05-420-002

- (1) Put the drive assembly [1] into its position near the cargo compartment bulkhead.

SUBTASK 25-51-05-420-003

- (2) Install the screws [2] and the washers [3] to attach the drive assembly [1] to the longitudinal bars.

NOTE: Make sure that the drive assembly [1] is parallel to the bulkhead.

SUBTASK 25-51-05-420-004

- (3) Install the screw [4], the washer [5], and the nut [6] to attach the panel attachment assembly to the airplane attachment assembly.

NOTE: Make sure that the thick part of the washer is in the up direction.

NOTE: The spring housing assembly in the panel attachment assembly is adjustable in the longitudinal direction. Make sure that the screw [4] aligns with the airplane structure.

SUBTASK 25-51-05-420-005

- (4) Connect the connector to the receptacle on the cargo compartment bulkhead.

SUBTASK 25-51-05-420-006

- (5) Adjust the screws [4] on each side of the drive panel until it rests on the flexdown support system.

SUBTASK 25-51-05-410-002

- (6) Do this task: Aft Cargo Compartment Support Panel Installation, TASK 25-51-04-400-802.

SUBTASK 25-51-05-410-003

- (7) Do this task: Aft Cargo Compartment Guide Panel Installation, TASK 25-51-04-400-801.

<p>EFFECTIVITY</p> <p>HAP 001-013, 015-026, 028-049, 051-053, 101-999</p>

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SUBTASK 25-51-05-410-004

(8) Do this task: Aft Cargo Compartment Carpet Attachment, TASK 25-51-05-400-801.

————— **END OF TASK** —————

TASK 25-51-05-000-803

6. Aft Cargo Compartment Actuator Motor Removal

A. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

B. Procedure

SUBTASK 25-51-05-020-003

(1) Disconnect the electrical connector from the actuator motor.

SUBTASK 25-51-05-020-004

(2) Remove the lock wire.

SUBTASK 25-51-05-020-005

(3) At three locations, remove the screws and the washers.

SUBTASK 25-51-05-020-006

(4) Remove the actuator motor from the gearbox.

————— **END OF TASK** —————

TASK 25-51-05-400-803

7. Aft Cargo Compartment Actuator Motor Installation

A. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

B. Procedure

SUBTASK 25-51-05-420-007

(1) Install the actuator motor on the gearbox.

SUBTASK 25-51-05-420-008

(2) At three locations, install the screws and the washers.

SUBTASK 25-51-05-420-009

(3) Tighten the screws to 124 pound-inches (14 Newton-meters).

SUBTASK 25-51-05-420-010

(4) Safety the screws with lock wire.

SUBTASK 25-51-05-420-011

(5) Connect the electrical connector to the actuator motor.

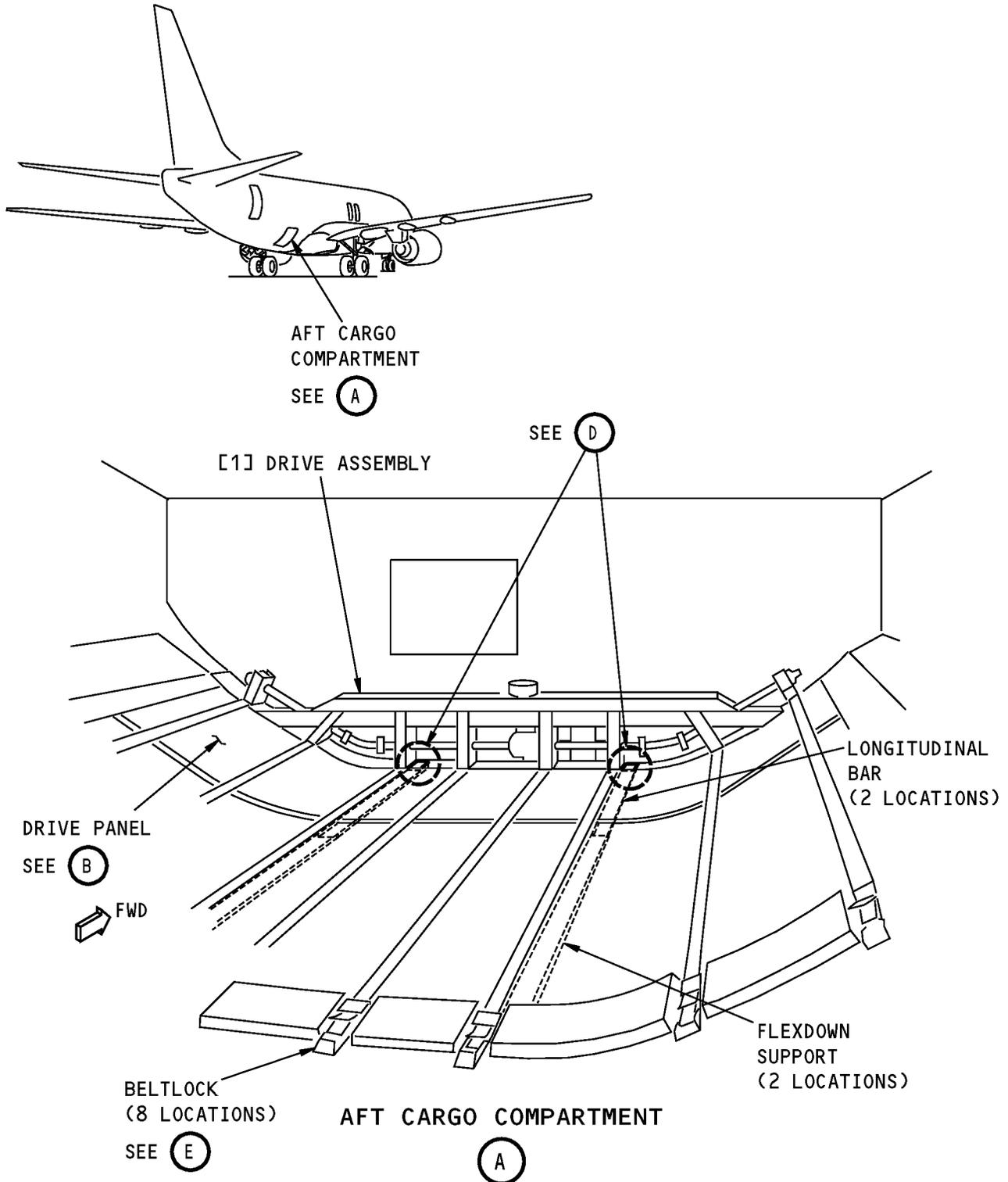
————— **END OF TASK** —————

<p>EFFECTIVITY HAP 001-013, 015-026, 028-049, 051-053, 101-999</p>

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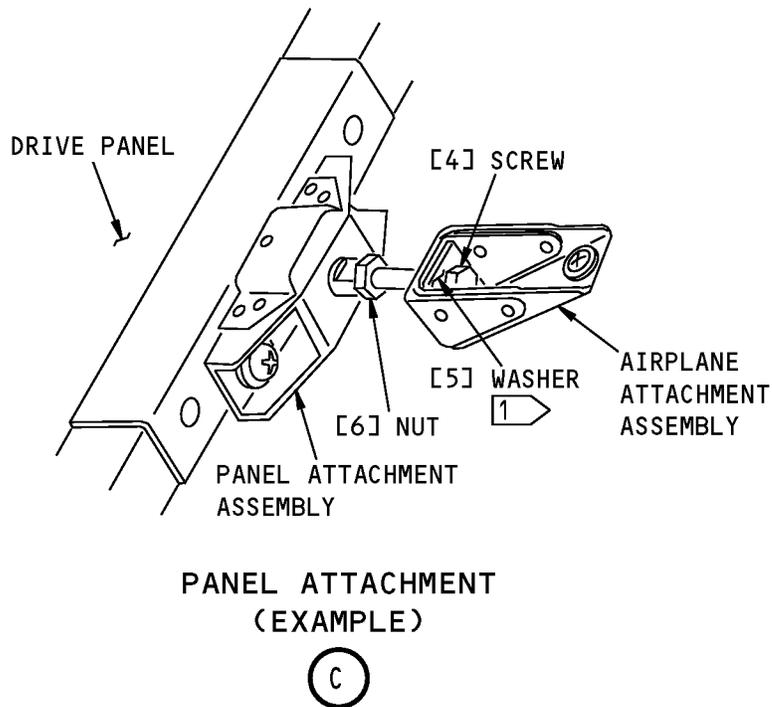
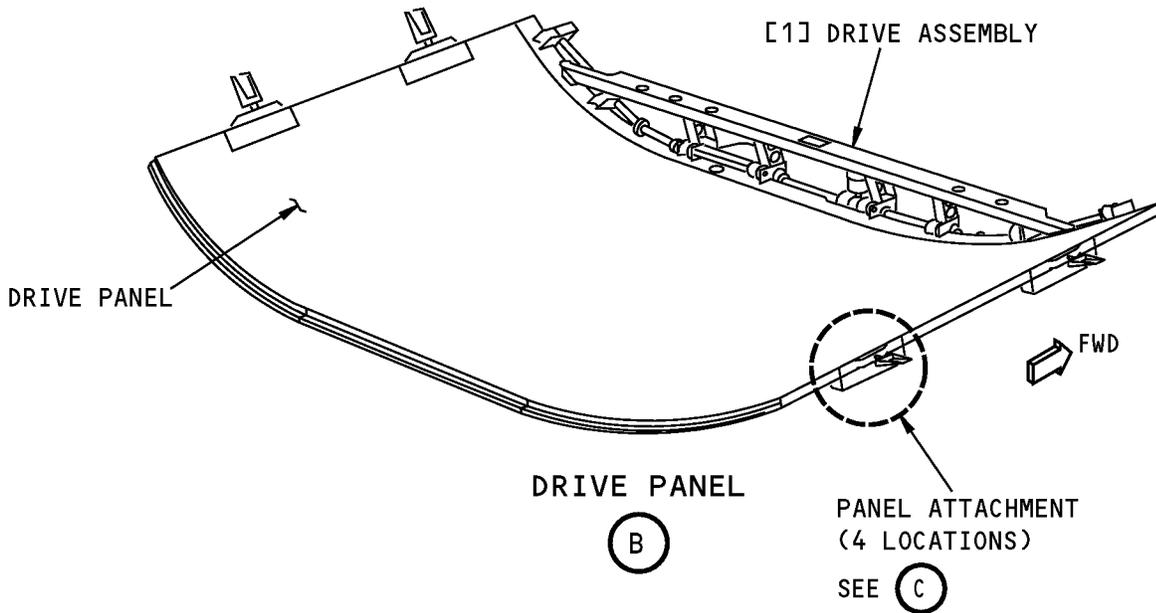


**Aft Cargo Compartment Drive Assembly Installation
Figure 401 (Sheet 1 of 3)/25-51-05-990-801**

EFFECTIVITY
HAP 001-013, 015-026, 028-049, 051-053, 101-999

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1 MAKE SURE THAT THE THICK PART OF THE WASHER IS IN THE UP DIRECTION.

**Aft Cargo Compartment Drive Assembly Installation
Figure 401 (Sheet 2 of 3)/25-51-05-990-801**

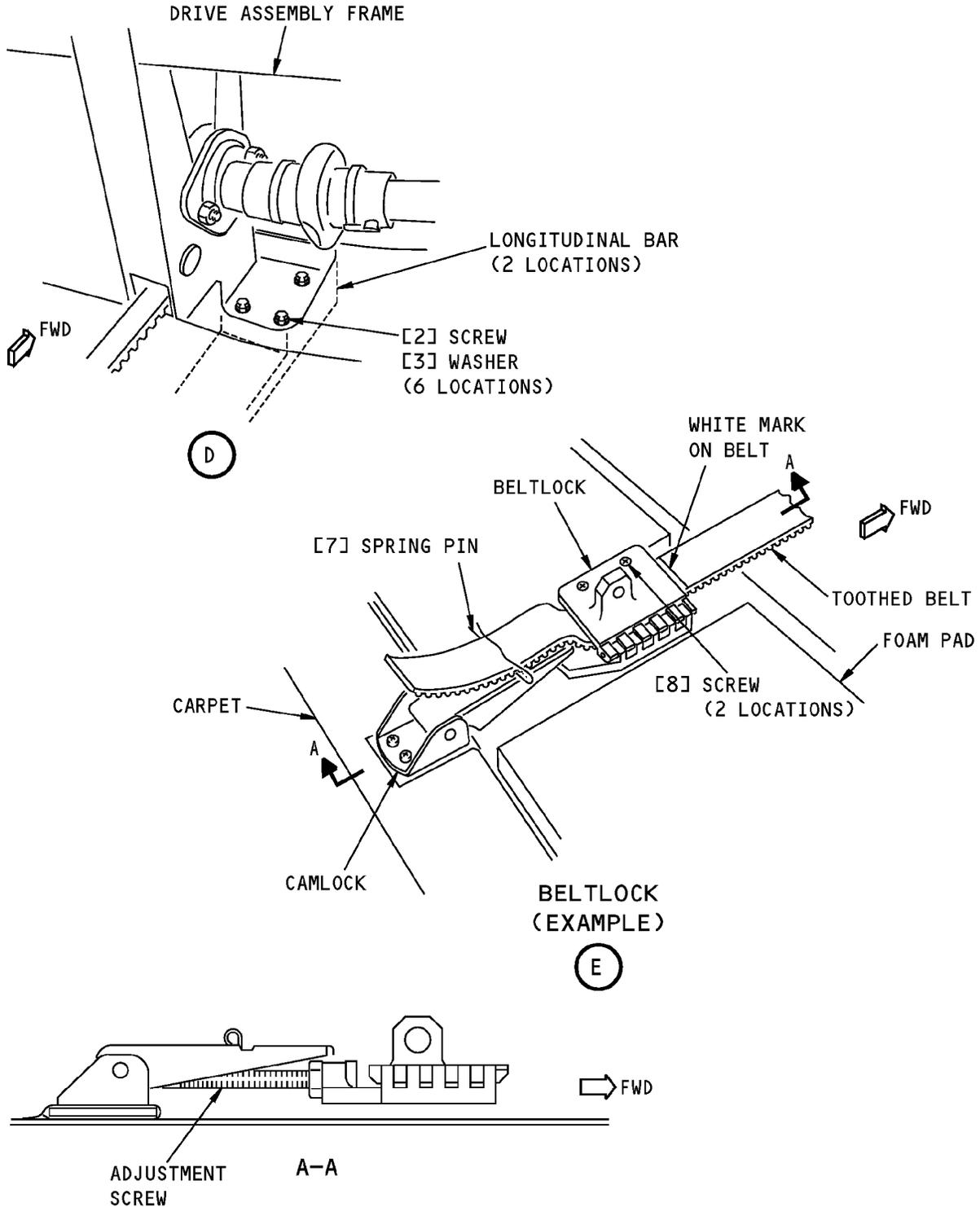
EFFECTIVITY
HAP 001-013, 015-026, 028-049, 051-053, 101-999

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**Aft Cargo Compartment Drive Assembly Installation
Figure 401 (Sheet 3 of 3)/25-51-05-990-801**

EFFECTIVITY
HAP 001-013, 015-026, 028-049, 051-053, 101-999

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AIRCRAFT MAINTENANCE MANUAL

AFT SLIDING CARPET LOADING SYSTEM SAFETY FLAP ASSEMBLY - REMOVAL/INSTALLATION

1. General

- A. These tasks contain data from the Scandinavian Bellyloading Company (SBC) SLC B737 Manuals 25-53-01. The data agrees with the Boeing publication standards. The technical content of this data is the same as the SBC manuals. Boeing will change the technical content of this data when they receive notification of changes. The data in the SBC manuals has technical authority over the data contained in these tasks.
- B. The safety flap assembly prevents the cargo compartment door from damage when the Sliding Carpet Loading System unloads the cargo. If the carpet moves the cargo near the door, the cargo will push the safety flap. Then an electrical switch will automatically turn off the power to the system.
- C. You can do work on most of the parts in the safety flap assembly while it is installed on the airplane.
- D. This procedure has these tasks:
 - (1) Aft Cargo Compartment Safety Flap Assembly Removal
 - (2) Aft Cargo Compartment Safety Flap Assembly Installation.

TASK 25-51-06-000-801

2. Aft Cargo Compartment Safety Flap Assembly Removal

(Figure 401)

A. Location Zones

Zone	Area
142	Aft Cargo Compartment - Right

B. Procedure

SUBTASK 25-51-06-860-001

- (1) Open these circuit breakers and install safety tags:

F/O Electrical System Panel, P6-11

Row	Col	Number	Name
D	8	C01139	AFT CARGO LOADER CONT

Power Distribution Panel Number 1, P91

Row	Col	Number	Name
HAP 037-049, 051-053, 101-999			
A	17	C00907	AFT CARGO LOADER DRIVE

HAP 001-013, 015-026, 028-036

E	8	C00907	AFT CARGO LOADER DRIVE
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HAP 001-013, 015-026, 028-049, 051-053, 101-999

SUBTASK 25-51-06-020-001

- (2) Remove the safety flap [1].
 - (a) Remove the screws [2] that attach the safety flap [1] to the nut plates in the ceiling.
 - (b) Remove the safety flap [1].

SUBTASK 25-51-06-020-002

- (3) Remove the switch box [3] and the switch [5].
 - (a) Remove the screws [4] that attach the switch box [3] to the nut plates in the sidewall.
 - (b) Disconnect the wiring to the switch [5] that is in the switch box [3].

EFFECTIVITY

HAP 001-013, 015-026, 028-049, 051-053, 101-999

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(c) Remove the switch box [3] and the switch [5].

————— END OF TASK —————

TASK 25-51-06-400-801

3. Aft Cargo Compartment Safety Flap Assembly Installation

(Figure 401)

A. Location Zones

Zone	Area
142	Aft Cargo Compartment - Right

B. Procedure

SUBTASK 25-51-06-860-002

(1) Make sure that these circuit breakers are open:

F/O Electrical System Panel, P6-11

Row	Col	Number	Name
D	8	C01139	AFT CARGO LOADER CONT

Power Distribution Panel Number 1, P91

Row	Col	Number	Name
HAP 037-049, 051-053, 101-999			
A	17	C00907	AFT CARGO LOADER DRIVE

HAP 001-013, 015-026, 028-036

E	8	C00907	AFT CARGO LOADER DRIVE
---	---	--------	------------------------

HAP 001-013, 015-026, 028-049, 051-053, 101-999

SUBTASK 25-51-06-420-001

(2) Install the switch box [3] and the switch [5].

(a) Connect the wiring that is near the cargo door to the switch [5] that is in the switch box [3].

(b) Use the screws [4] to attach the switch box [3] to the nut plates in the sidewall.

SUBTASK 25-51-06-420-002

(3) Install the safety flap [1].

(a) Use the screws [2] to attach the safety flap [1] to the nut plates in the ceiling.

SUBTASK 25-51-06-860-003

(4) Close these circuit breakers:

F/O Electrical System Panel, P6-11

Row	Col	Number	Name
D	8	C01139	AFT CARGO LOADER CONT

Power Distribution Panel Number 1, P91

Row	Col	Number	Name
HAP 037-049, 051-053, 101-999			
A	17	C00907	AFT CARGO LOADER DRIVE

HAP 001-013, 015-026, 028-036

E	8	C00907	AFT CARGO LOADER DRIVE
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HAP 001-013, 015-026, 028-049, 051-053, 101-999

EFFECTIVITY

HAP 001-013, 015-026, 028-049, 051-053, 101-999

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SUBTASK 25-51-06-710-001

- (5) Make sure that when the lower edge of the safety flap [1] moves approximately 1 inch, the switch [5] automatically turns off the power to the Sliding Carpet Loading System.

————— **END OF TASK** —————

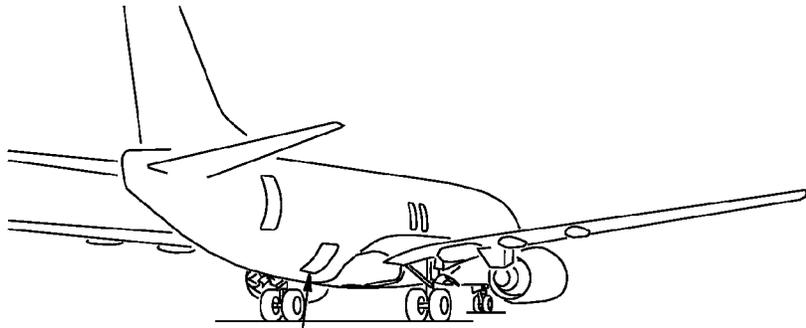
EFFECTIVITY

HAP 001-013, 015-026, 028-049, 051-053, 101-999

D633A101-HAP

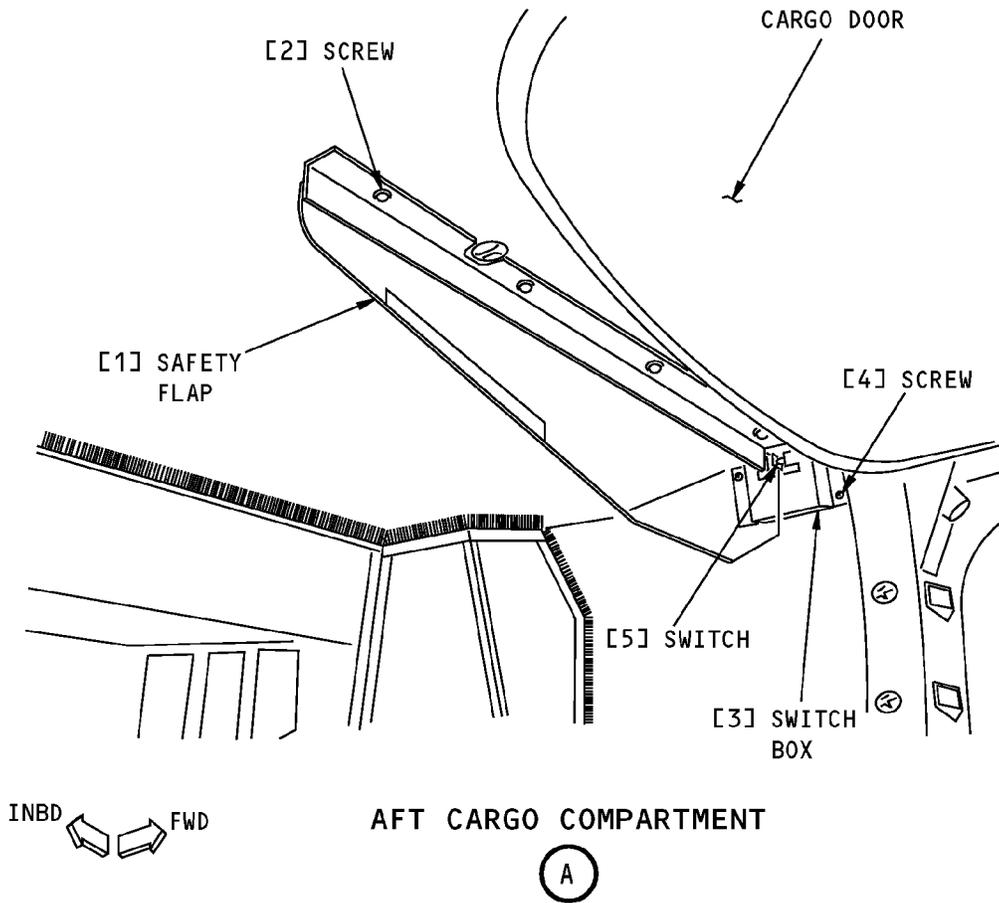
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AFT CARGO COMPARTMENT

SEE (A)



**Aft Cargo Compartment Safety Flap Assembly Installation
Figure 401/25-51-06-990-801**

EFFECTIVITY
HAP 001-013, 015-026, 028-049, 051-053, 101-999

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AFT SLIDING CARPET LOADING SYSTEM CONTROL BOX - REMOVAL/INSTALLATION

1. General

- A. These tasks contain data from the Scandinavian Bellyloading Company (SBC) SLC B737 Manuals 25-53-01. The data agrees with the Boeing publication standards. The technical content of this data is the same as the SBC manuals. Boeing will change the technical content of this data when they receive notification of changes. The data in the SBC manuals has technical authority over the data contained in these tasks.
- B. The control box is installed in a frame that is attached to the ceiling near the cargo door. The control box contains the switches to operate the system, warning lights, and an emergency switch.
- C. This procedure has these tasks:
 - (1) Aft Cargo Compartment Control Box Removal,
 - (2) Aft Cargo Compartment Control Box Installation,
 - (3) Aft Cargo Compartment Control Box Operational Test.

TASK 25-51-07-000-801

2. Aft Cargo Compartment Control Box Removal

(Figure 201)

A. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

B. Procedure

SUBTASK 25-51-07-860-001

- (1) Open these circuit breakers and install safety tags:

F/O Electrical System Panel, P6-11

Row	Col	Number	Name
D	8	C01139	AFT CARGO LOADER CONT

Power Distribution Panel Number 1, P91

Row	Col	Number	Name
HAP 037-049, 051-053, 101-999			
A	17	C00907	AFT CARGO LOADER DRIVE

HAP 001-013, 015-026, 028-036

E	8	C00907	AFT CARGO LOADER DRIVE
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HAP 001-013, 015-026, 028-049, 051-053, 101-999

SUBTASK 25-51-07-020-001

- (2) Remove the control box [1] from the frame.
 - (a) Remove the screws [2] and the washers [3] from the flange on the control box [1].
 - (b) Disconnect the electrical connector.
 - 1) Move the control box [1] a small distance from the ceiling.
 - 2) Disconnect the electrical connector.
 - (c) Remove the control box [1].

————— **END OF TASK** —————

EFFECTIVITY

HAP 001-013, 015-026, 028-049, 051-053, 101-999

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TASK 25-51-07-400-801

3. Aft Cargo Compartment Control Box Installation

(Figure 201)

A. Location Zones

<u>Zone</u>	<u>Area</u>
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

B. Procedure

SUBTASK 25-51-07-860-002

(1) Make sure that these circuit breakers are open:

F/O Electrical System Panel, P6-11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	8	C01139	AFT CARGO LOADER CONT

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
HAP 037-049, 051-053, 101-999			
A	17	C00907	AFT CARGO LOADER DRIVE

HAP 001-013, 015-026, 028-036			
E	8	C00907	AFT CARGO LOADER DRIVE
HAP 001-013, 015-026, 028-049, 051-053, 101-999			

SUBTASK 25-51-07-420-002

(2) Install the control box [1] in the frame.

- (a) Connect the electrical connector in the ceiling near the cargo door to the control box [1].
- (b) Install the screws [2] and the washers [3] in the flange on the control box [1].

SUBTASK 25-51-07-860-003

(3) Close these circuit breakers:

F/O Electrical System Panel, P6-11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	8	C01139	AFT CARGO LOADER CONT

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
HAP 037-049, 051-053, 101-999			
A	17	C00907	AFT CARGO LOADER DRIVE

HAP 001-013, 015-026, 028-036			
E	8	C00907	AFT CARGO LOADER DRIVE
HAP 001-013, 015-026, 028-049, 051-053, 101-999			

SUBTASK 25-51-07-710-001

(4) Make sure that the control box [1] operates correctly.

<p>EFFECTIVITY</p> <p>HAP 001-013, 015-026, 028-049, 051-053, 101-999</p>
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SUBTASK 25-51-07-710-002

(5) Do this task: Aft Cargo Compartment Control Box Operational Test, TASK 25-51-07-700-801.

END OF TASK

TASK 25-51-07-700-801

4. Aft Cargo Compartment Control Box Operational Test

(Figure 201)

A. References

Reference	Title
24-22-00-860-811	Supply Electrical Power (P/B 201)
24-22-00-860-812	Remove Electrical Power (P/B 201)

B. Consumable Materials

Reference	Description	Specification
G02479	Lockwire - Copper (0.020 inch Diameter)	NASM20995~ CY20

C. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

D. Procedure

SUBTASK 25-51-07-860-004

(1) Make sure that the airplane is in the ground mode.

SUBTASK 25-51-07-710-009

(2) Make sure that the electrical connector in the cargo compartment bulkhead is connected to the drive assembly.

SUBTASK 25-51-07-860-005

(3) Make sure that these circuit breakers are closed:

F/O Electrical System Panel, P6-11

Row	Col	Number	Name
D	8	C01139	AFT CARGO LOADER CONT

Power Distribution Panel Number 1, P91

Row	Col	Number	Name
HAP 037-049, 051-053, 101-999			
A	17	C00907	AFT CARGO LOADER DRIVE

HAP 001-013, 015-026, 028-036

E	8	C00907	AFT CARGO LOADER DRIVE
---	---	--------	------------------------

HAP 001-013, 015-026, 028-049, 051-053, 101-999

SUBTASK 25-51-07-860-006

(4) Do this task: Supply Electrical Power, TASK 24-22-00-860-811.

SUBTASK 25-51-07-710-004

(5) Close the CB1 circuit breaker on the control box [1].

<p>EFFECTIVITY</p> <p>HAP 001-013, 015-026, 028-049, 051-053, 101-999</p>
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- (a) Make sure that the PWR AVAILABLE lamp comes on.

SUBTASK 25-51-07-710-005

- (6) Push each lamp on the control box to make sure that each lamp comes on.

SUBTASK 25-51-07-710-006

CAUTION: MAKE SURE THAT THE CARPET MOVES IN THE CORRECT DIRECTION. DAMAGE TO THE SLIDING CARPET LOADING SYSTEM WILL OCCUR IF THE CARPET DOES NOT MOVE IN THE CORRECT DIRECTION.

- (7) Make sure that the Sliding Carpet Loading System moves in the correct direction.

- (a) Move the SELECT switch on the control box to the LOAD position.

1) Make sure that the LOAD lamp comes on.

- (b) Quickly push and release the RUN switch.

1) Make sure that the carpet moves away from the door.

- (c) Move the SELECT switch on the control box to the UNLOAD position.

1) Make sure that the UNLOAD lamp comes on.

- (d) Quickly push and release the RUN switch.

1) Make sure that the carpet moves to the door.

SUBTASK 25-51-07-710-007

CAUTION: MAKE SURE THAT THE LIMIT SWITCHES ENGAGE. DAMAGE TO THE SLIDING CARPET LOADING SYSTEM WILL OCCUR IF THE LIMIT SWITCHES DO NOT ENGAGE.

- (8) Make sure that the Sliding Carpet Loading System stops at the correct locations.

- (a) Operate the carpet for 3 full cycles in the LOAD and the UNLOAD directions.

1) Make sure that the carpet stops automatically at each end of the Sliding Carpet Loading System.

NOTE: Be prepared to release the RUN button immediately if the limit switches do not engage.

SUBTASK 25-51-07-710-008

- (9) Make sure that the emergency switch in the control box operates correctly.

- (a) Operate the system and push the EMERGENCY STOP switch on the control box.

1) Make sure that the system stops.

SUBTASK 25-51-07-410-001

- (10) Wire seal the emergency switch with lockwire, G02479.

SUBTASK 25-51-07-860-007

- (11) Do this task: Remove Electrical Power, TASK 24-22-00-860-812.

————— **END OF TASK** —————

EFFECTIVITY

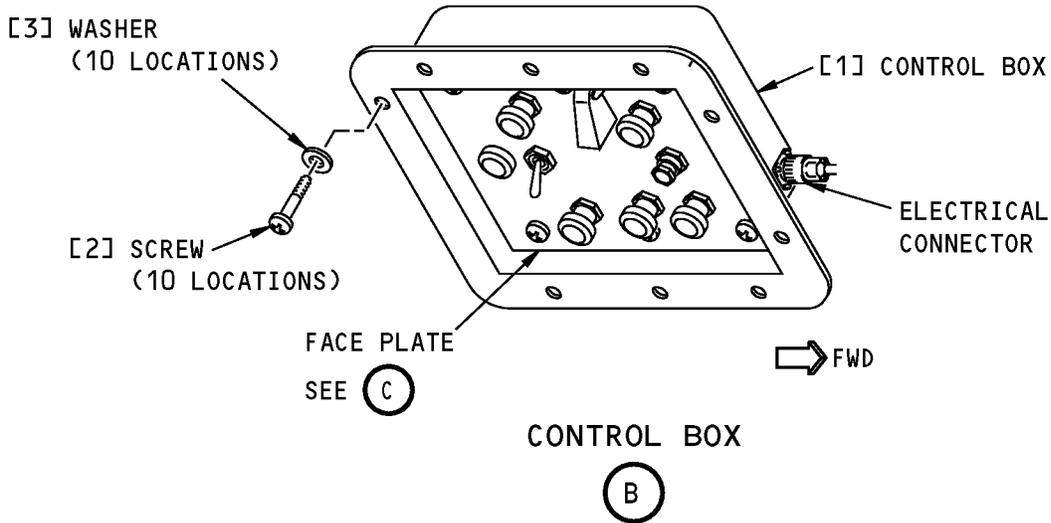
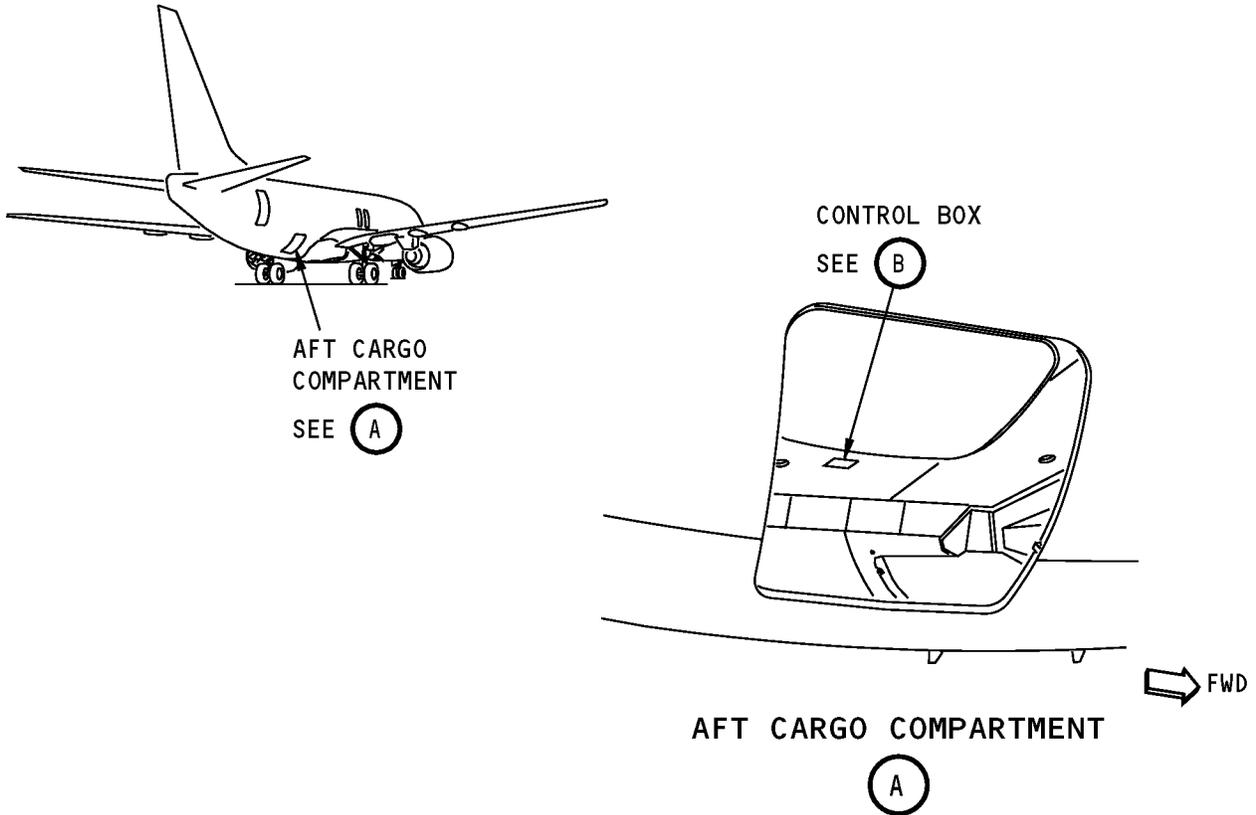
HAP 001-013, 015-026, 028-049, 051-053, 101-999

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**Aft Cargo Compartment Control Box Installation
Figure 201 (Sheet 1 of 2)/25-51-07-990-801**

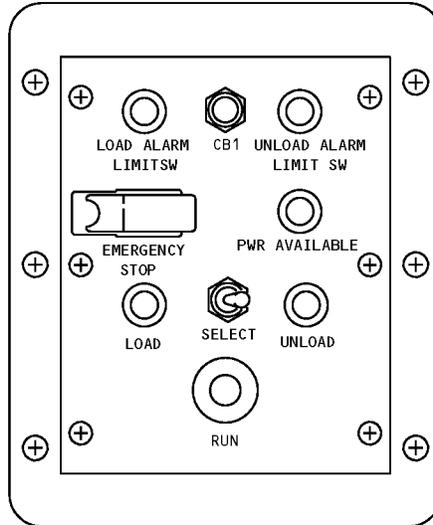
EFFECTIVITY
HAP 001-013, 015-026, 028-049, 051-053, 101-999

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FACE PLATE



**Aft Cargo Compartment Control Box Installation
Figure 201 (Sheet 2 of 2)/25-51-07-990-801**

EFFECTIVITY
HAP 001-013, 015-026, 028-049, 051-053, 101-999

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AIRCRAFT MAINTENANCE MANUAL

AFT SLIDING CARPET LOADING SYSTEM SUPPORT SYSTEMS - REMOVAL/INSTALLATION

1. General

- A. These tasks contain data from the Scandinavian Bellyloading Company (SBC) SLC B737 Manuals 25-53-01. The data agrees with the Boeing publication standards. The technical content of this data is the same as the SBC manuals. Boeing will change the technical content of this data when they receive notification of changes. The data in the SBC manuals has technical authority over the data contained in these tasks.
- B. The flexdown support system supplies a surface for the panels to push against during flight to prevent high loads on the airplane structure.
- C. The longitudinal support system attaches the Sliding Carpet Loading System to the cargo compartment floor at the tiedown attachment points. Loads from the cargo and the torque of the drive unit motor are moved to the longitudinal support system to prevent damage to the airplane structure.
- D. This procedure has these tasks:
 - (1) Aft Cargo Compartment Flexdown Support System Removal,
 - (2) Aft Cargo Compartment Flexdown Support System Installation,
 - (3) Aft Cargo Compartment Longitudinal Support System Removal,
 - (4) Aft Cargo Compartment Longitudinal Support System Installation.

HAP 101-999

TASK 25-51-08-000-801

2. Aft Cargo Compartment Flexdown Support System Removal

(Figure 401)

- A. General
 - (1) The part numbers are different for the left flexdown support [2] and the right flexdown support [1]. Use the same procedure to remove the left flexdown support [2] and the right flexdown support [1].

B. References

Reference	Title
25-51-05-000-801	Aft Cargo Compartment Drive Assembly Removal (P/B 401)

C. Consumable Materials

Reference	Description	Specification
G02485	Tape - Double Adhesive, 2-3/8 inches (60mm)	

D. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

E. Procedure

SUBTASK 25-51-08-010-001

- (1) Do this task: Aft Cargo Compartment Drive Assembly Removal, TASK 25-51-05-000-801.

EFFECTIVITY

HAP 001-013, 015-026, 028-049, 051-053, 101-999

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HAP 101-999 (Continued)

SUBTASK 25-51-08-020-001

- (2) Use a permanent marking pen to put marks on the cargo compartment floor at each end, and along the inboard edge, of the left flexdown support [2] and the right flexdown support [1].

NOTE: These marks are used to show the locations to install the flexdown supports.

SUBTASK 25-51-08-020-002

- (3) Remove the right flexdown support [1].
 - (a) Carefully bend the right flexdown support [1] a small amount and pull it away from the tape, G02485.
 - (b) Do this step again to remove the left flexdown support [2].

————— **END OF TASK** —————

HAP 001-013, 015-026, 028-049, 051-053

TASK 25-51-08-000-802

3. Aft Cargo Compartment Flexdown Support System Removal

(Figure 401)

A. General

- (1) The part numbers are different for the left back flexdown support [3] and the right back flexdown support [2]. Use the same procedure to remove the left back flexdown support [3] and the right back flexdown support [2]. The part numbers are the same for the front flexdown supports [1].

B. References

Reference	Title
25-51-05-000-801	Aft Cargo Compartment Drive Assembly Removal (P/B 401)

C. Consumable Materials

Reference	Description	Specification
G02485	Tape - Double Adhesive, 2-3/8 inches (60mm)	

D. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

E. Procedure

SUBTASK 25-51-08-010-002

- (1) Do this task: Aft Cargo Compartment Drive Assembly Removal, TASK 25-51-05-000-801.

SUBTASK 25-51-08-020-003

- (2) Use a permanent marking pen to put marks on the cargo compartment floor at each end, and along the inboard edge, of the left back flexdown support [3], the right back flexdown support [2], and the front flexdown supports [1].

NOTE: These marks are used to show the locations to install the flexdown supports.

SUBTASK 25-51-08-010-003

- (3) Remove the right flexdown supports from the flexdown joint [4].
 - (a) Remove the screws [5] to remove the front flexdown support [1] from the flexdown joint [4].

EFFECTIVITY HAP 001-013, 015-026, 028-049, 051-053, 101-999
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HAP 001-013, 015-026, 028-049, 051-053 (Continued)

- (b) Remove the screws [5] to remove the right back flexdown support [2] from the flexdown joint [4].

SUBTASK 25-51-08-010-004

- (4) Remove the left flexdown supports from the flexdown joint [4].
 - (a) Remove the screws [5] to remove the front flexdown support [1] from the flexdown joint [4].
 - (b) Remove the screws [5] to remove the left back flexdown support [3] from the flexdown joint [4].

SUBTASK 25-51-08-020-004

- (5) Remove the flexdown supports [1], [2], and [3].
 - (a) Carefully bend each flexdown support a small amount and pull it away from the tape, G02485.

————— END OF TASK —————

HAP 101-999

TASK 25-51-08-400-801

4. Aft Cargo Compartment Flexdown Support System Installation

(Figure 401)

A. General

- (1) The part numbers are different for the left flexdown support [2] and the right flexdown support [1]. Use the same procedure to install the left flexdown support [2] and the right flexdown support [1].

B. References

Reference	Title
25-51-05-400-802	Aft Cargo Compartment Drive Assembly Installation (P/B 401)

C. Consumable Materials

Reference	Description	Specification
B00333	Solvent - White Spirits	
G02485	Tape - Double Adhesive, 2-3/8 inches (60mm)	

D. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

E. Procedure

SUBTASK 25-51-08-100-001

- (1) Clean the floor where the right flexdown support [1] and the left flexdown support [2] will be installed with White Spirits solvent, B00333.

NOTE: Make sure that the marks that show the location of the flexdown supports stay on the cargo compartment floor.

SUBTASK 25-51-08-420-001

- (2) Attach the right flexdown support [1] to the cargo compartment floor.

EFFECTIVITY HAP 001-013, 015-026, 028-049, 051-053, 101-999
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HAP 101-999 (Continued)

- (a) Put the right flexdown support [1] on the marks that show the correct location on the cargo compartment floor.

NOTE: Put the thin end of the right flexdown support [1] in the direction of the cargo compartment door.

- (b) Use tape, G02485, to attach the right flexdown support [1] to the cargo compartment floor.

NOTE: Make sure that the flexdown support is installed in the correct position. Part of the right flexdown support [1] will be on the longitudinal bar.

- (c) Tightly push down on the right flexdown support [1] to make a solid bond with the cargo compartment floor.

- (d) Do this task again to install the left flexdown support [2].

NOTE: The left flexdown support [2] will not be on the longitudinal bar.

SUBTASK 25-51-08-410-001

- (3) Do this task: Aft Cargo Compartment Drive Assembly Installation, TASK 25-51-05-400-802.

————— **END OF TASK** —————

HAP 001-013, 015-026, 028-049, 051-053

TASK 25-51-08-400-802

5. Aft Cargo Compartment Flexdown Support System Installation

(Figure 401)

A. General

- (1) The part numbers are different for the left back flexdown support [3] and the right back flexdown support [2]. Use the same procedure to remove the left back flexdown support [3] and the right back flexdown support [2]. The part numbers are the same for the front flexdown supports [1].

B. References

Reference	Title
25-51-05-400-802	Aft Cargo Compartment Drive Assembly Installation (P/B 401)

C. Consumable Materials

Reference	Description	Specification
B00333	Solvent - White Spirits	
G02485	Tape - Double Adhesive, 2-3/8 inches (60mm)	

D. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

E. Procedure

SUBTASK 25-51-08-100-002

- (1) Clean the floor where the right back flexdown support [2], the left flexdown support [3], and the front flexdown supports [1] will be installed with White Spirits solvent, B00333.

NOTE: Make sure that the marks that show the location of the flexdown supports stay on the cargo compartment floor.

<p>EFFECTIVITY</p> <p>HAP 001-013, 015-026, 028-049, 051-053, 101-999</p>

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AIRCRAFT MAINTENANCE MANUAL

HAP 001-013, 015-026, 028-049, 051-053 (Continued)

SUBTASK 25-51-08-420-002

- (2) Attach the right back flexdown support [2] and the front flexdown support [1] to the cargo compartment floor.
 - (a) Use the screws [5] to attach the front flexdown support [1] to the flexdown joint [4].
 - (b) Use the screws [5] to attach the right back flexdown support [2] to the flexdown joint [4].
 - (c) Put each end, and the inboard edge, of the front flexdown support [1] and the right back flexdown support [2] on the marks that show the correct locations on the cargo compartment floor.

NOTE: Put the thin end of the front flexdown support [1] in the direction of the cargo compartment door.

- (d) Use tape, G02485, to attach the front flexdown support [1] and the right back flexdown support [2] to the cargo compartment floor.

NOTE: Make sure that the flexdown supports are installed in the correct position. Part of the right back flexdown support [2] will be on the longitudinal bar.

- (e) Tightly push on the front flexdown support [1] and the right back flexdown support [2] to make a solid bond with the cargo compartment floor.
- (f) Do this task again to install the left back flexdown support [3] and the front flexdown support [1].

NOTE: The left back flexdown support [3] will not be on the longitudinal bar.

SUBTASK 25-51-08-410-002

- (3) Do this task: Aft Cargo Compartment Drive Assembly Installation, TASK 25-51-05-400-802.

HAP 001-013, 015-026, 028-049, 051-053, 101-999

END OF TASK

TASK 25-51-08-000-803

6. Aft Cargo Compartment Longitudinal Support System Removal

(Figure 402)

A. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

B. Procedure

SUBTASK 25-51-08-010-005

HAP 101-999

- (1) Do this task: Aft Cargo Compartment Flexdown Support System Removal, TASK 25-51-08-000-801.

HAP 001-013, 015-026, 028-049, 051-053

- (2) Do this task: Aft Cargo Compartment Flexdown Support System Removal, TASK 25-51-08-000-802.

HAP 001-013, 015-026, 028-049, 051-053, 101-999

EFFECTIVITY
HAP 001-013, 015-026, 028-049, 051-053, 101-999

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SUBTASK 25-51-08-020-005

- (3) Remove the longitudinal bar [21] from the cargo compartment floor.
 - (a) Remove the screws [22] and the washers [23].
 - (b) Remove the screws [24] and the washers [23].
 - (c) Remove the screws [25] and the washers [26].
 - (d) Remove the longitudinal bar [21].

————— END OF TASK —————

TASK 25-51-08-400-803

7. Aft Cargo Compartment Longitudinal Support System Installation

(Figure 402)

A. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

B. Procedure

SUBTASK 25-51-08-420-003

- (1) Install the longitudinal bar [21] to the cargo compartment floor.
 - (a) Install the screws [22] and the washers [23].
 - NOTE: Do not tighten the screws [22].
 - (b) Install the screws [24] and the washers [23].
 - (c) Install the screws [25] and the washers [26].
 - (d) Tighten the screws [22].

HAP 101-999

SUBTASK 25-51-08-410-003

- (2) Do this task: Aft Cargo Compartment Flexdown Support System Installation, TASK 25-51-08-400-801.

HAP 001-013, 015-026, 028-049, 051-053

SUBTASK 25-51-08-410-004

- (3) Do this task: Aft Cargo Compartment Flexdown Support System Installation, TASK 25-51-08-400-802.

HAP 001-013, 015-026, 028-049, 051-053, 101-999

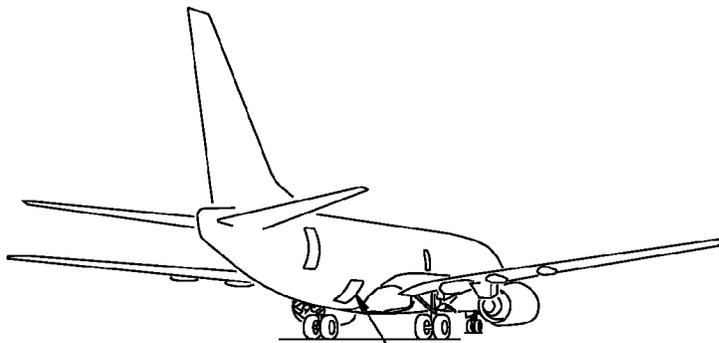
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<p>EFFECTIVITY</p> <p>HAP 001-013, 015-026, 028-049, 051-053, 101-999</p>

25-51-08

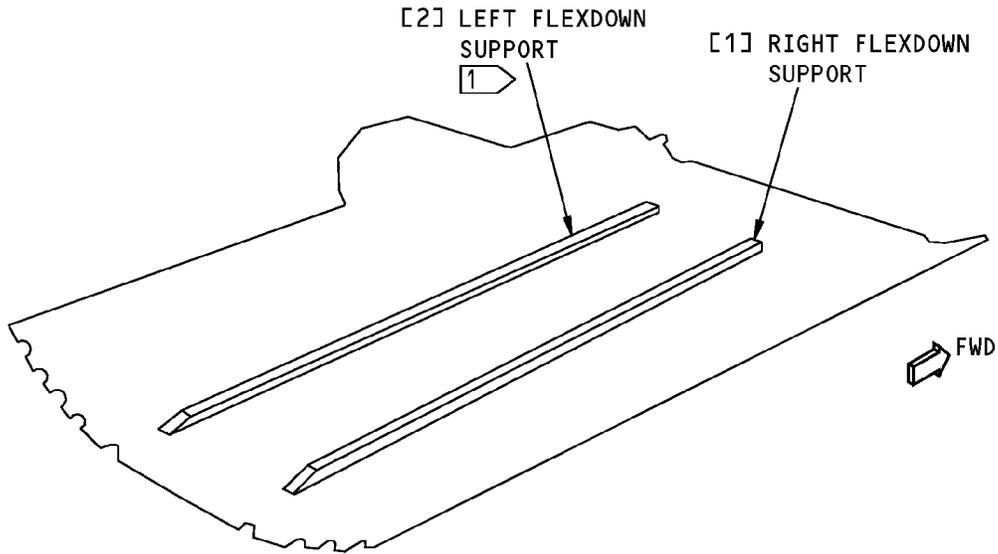
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AFT CARGO
COMPARTMENT

SEE (A)



AFT CARGO COMPARTMENT

(A)

1 THE PART NUMBERS ARE DIFFERENT FOR THE LEFT FLEXDOWN SUPPORT AND THE RIGHT FLEXDOWN SUPPORT. THE SAME PROCEDURE IS USED TO REMOVE AND INSTALL THE LEFT AND THE RIGHT FLEXDOWN SUPPORTS.

**Aft Cargo Compartment Flexdown Support Installation
Figure 401 (Sheet 1 of 2)/25-51-08-990-801**

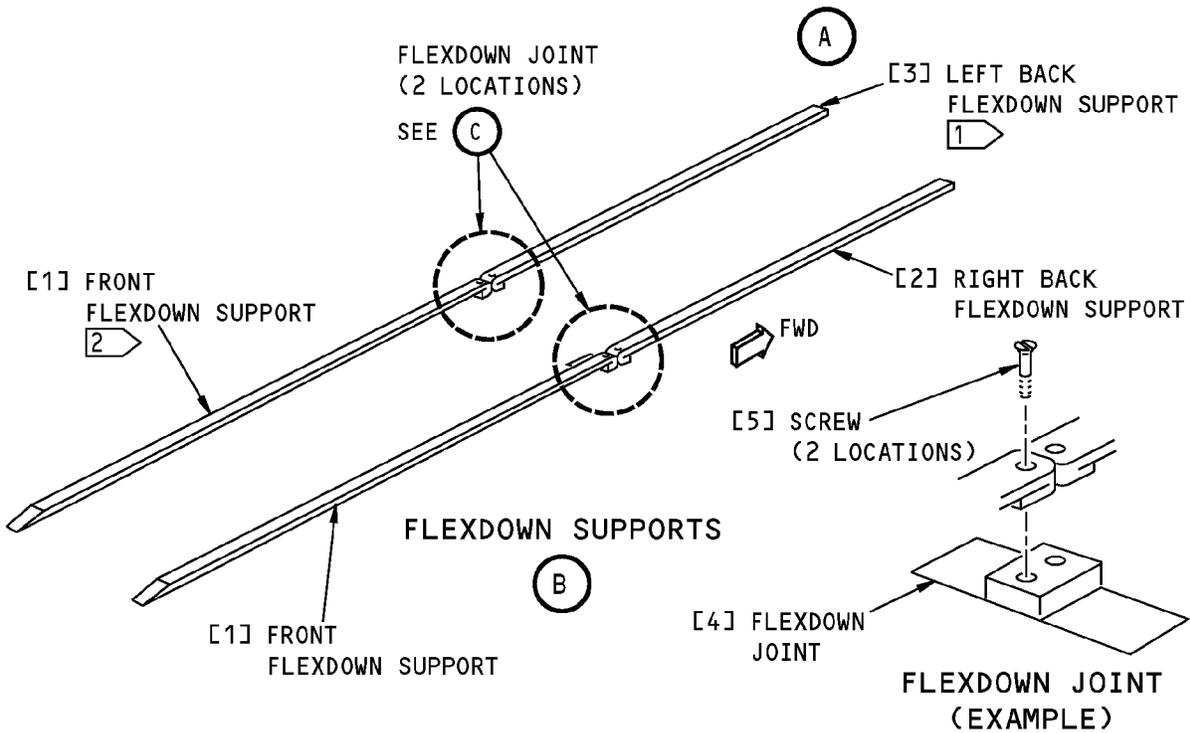
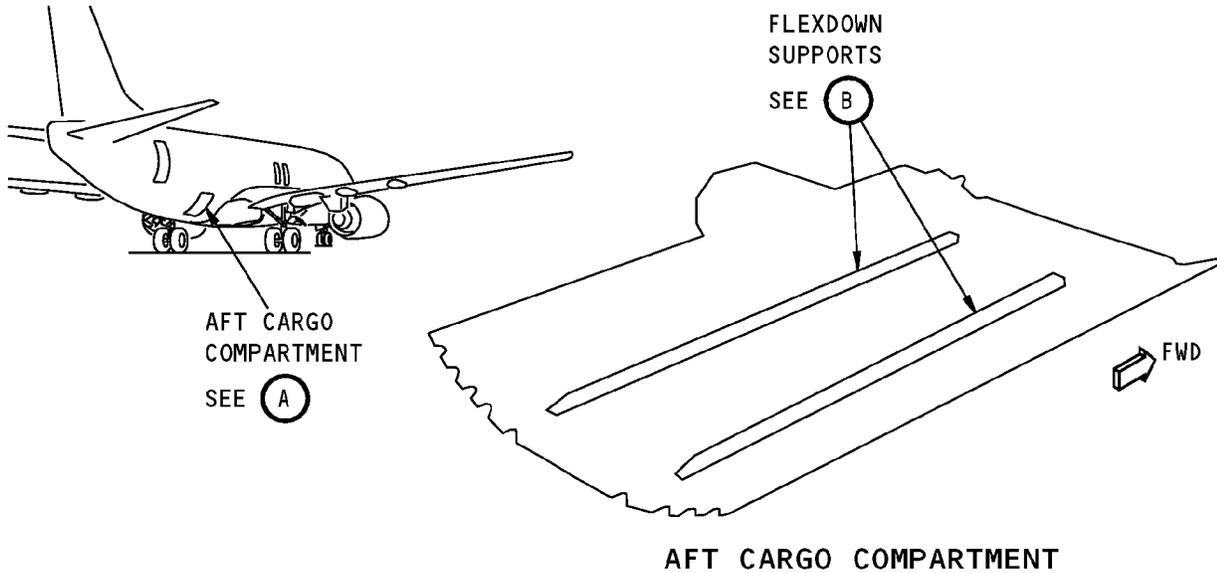
EFFECTIVITY
HAP 101-999

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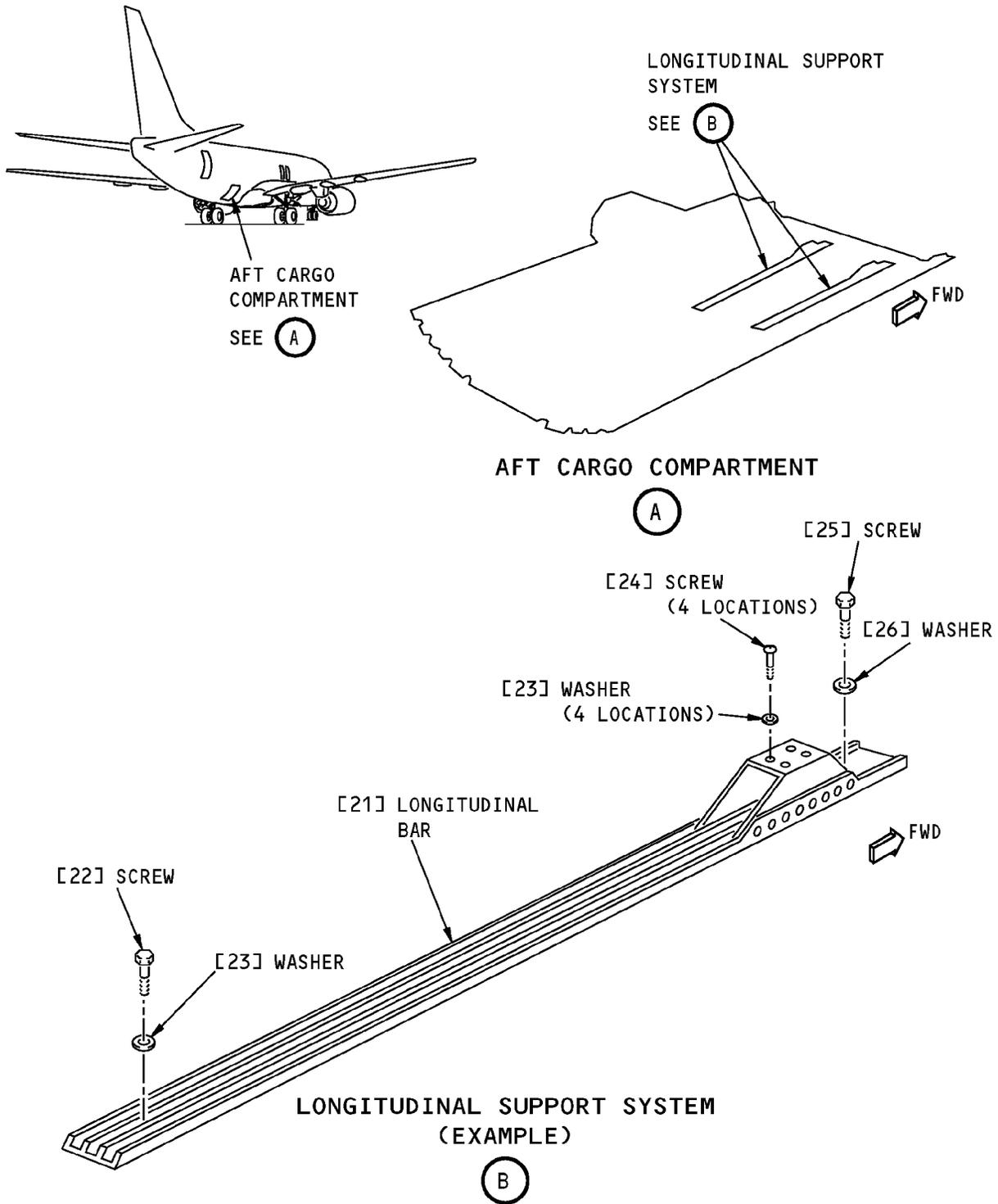
- 1 THE PART NUMBERS ARE DIFFERENT FOR THE LEFT BACK FLEXDOWN SUPPORT AND THE RIGHT BACK FLEXDOWN SUPPORT. THE SAME PROCEDURE IS USED TO REMOVE AND INSTALL THE LEFT AND THE RIGHT FLEXDOWN SUPPORTS.
- 2 THE PART NUMBER IS THE SAME FOR THE FRONT FLEXDOWN SUPPORTS.

Aft Cargo Compartment Flexdown Support Installation
Figure 401 (Sheet 2 of 2)/25-51-08-990-801

EFFECTIVITY
 HAP 001-013, 015-026, 028-049, 051-053

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**Aft Cargo Compartment Longitudinal Support System Installation
Figure 402/25-51-08-990-802**

EFFECTIVITY
HAP 001-013, 015-026, 028-049, 051-053, 101-999

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AIRCRAFT MAINTENANCE MANUAL

DEACTIVATION AND ACTIVATION OF AFT SLIDING CARPET LOADING SYSTEM

1. General

- A. These tasks contain data from the Telair SLC B737 Manuals 25-53-01. The data agrees with the Boeing publication standards. The technical content of this data is the same as the Telair manuals. Boeing will change the technical content of this data when they receive notification of changes. The data in the Telair manuals has technical authority over the data contained in these tasks.
- B. The Sliding Carpet Loading System (SLC) has a moveable bulkhead system that prevents cargo from falling in front of the belt. The moveable bulkhead is connected to th carpet and moves with the carpet when the system operates. In the event of a drive system failure, the system can be deactivated. This makes it possible to load the cargo manually.
- C. This procedure has these tasks:
 - (1) Deactivate the aft Sliding Carpet Loading System
 - (2) Activate the aft Sliding Carpet Loading System

TASK 25-51-09-800-801

2. Deactivate The Aft Sliding Carpet Loading System

(Figure 201)

A. Location Zones

<u>Zone</u>	<u>Area</u>
100	Lower Half of Fuselage

B. Procedure

SUBTASK 25-51-09-865-001

- (1) Make sure that this circuit breaker is closed:

F/O Electrical System Panel, P6-11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	8	C01139	AFT CARGO LOADER CONT

SUBTASK 25-51-09-860-001

- (2) Open these circuit breakers and install safety tags:

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
HAP 037-049, 051-053, 101-999			
A	17	C00907	AFT CARGO LOADER DRIVE
HAP 001-013, 015-026, 028-036			
E	8	C00907	AFT CARGO LOADER DRIVE
HAP 001-013, 015-026, 028-049, 051-053, 101-999			

SUBTASK 25-51-09-860-002

- (3) Open the circuit breaker CB1 and install a DO-NOT-CLOSE tag on the cargo loading control box [2].

NOTE: Mark the control box in the cargo door area as inoperative.

SUBTASK 25-51-09-860-003

- (4) Release the moveable bulkhead [1] from the carpet attachments.

NOTE: Do not remove the two quick-lock pins [7] at the wings [8] that connect to the rails.

EFFECTIVITY
HAP 001-013, 015-026, 028-049, 051-053, 101-999

25-51-09



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- (a) Lift the cover [5].
- (b) Remove the quick lock pins [4] that attach the moveable bulkhead [1] to the carpet attachments.

SUBTASK 25-51-09-860-004

- (5) Push the moveable bulkhead [1] to the center of the airplane to a position close to drive unit [3].

SUBTASK 25-51-09-860-005

- (6) Secure the moveable bulkhead [1] with two quick lock pins through the holes on front of the cart [9].

————— END OF TASK —————

TASK 25-51-09-800-802

3. Activate the Aft Sliding Carpet Loading System

(Figure 201)

A. References

Reference	Title
25-51-07-700-801	Aft Cargo Compartment Control Box Operational Test (P/B 201)

B. Location Zones

Zone	Area
100	Lower Half of Fuselage

C. Procedure

SUBTASK 25-51-09-865-002

- (1) Make sure that this circuit breaker is closed:

F/O Electrical System Panel, P6-11

Row	Col	Number	Name
D	8	C01139	AFT CARGO LOADER CONT

SUBTASK 25-51-09-860-006

- (2) Make sure that these circuit breakers are open and have safety tags:

Power Distribution Panel Number 1, P91

Row	Col	Number	Name
HAP 037-049, 051-053, 101-999			
A	17	C00907	AFT CARGO LOADER DRIVE
HAP 001-013, 015-026, 028-036			
E	8	C00907	AFT CARGO LOADER DRIVE
HAP 001-013, 015-026, 028-049, 051-053, 101-999			

SUBTASK 25-51-09-860-007

- (3) Remove the two quick-lock pins [7] from the holes in the track in front of the carts [9].

SUBTASK 25-51-09-860-008

- (4) Push the moveable bulkhead [1] away from the center of the airplane until it is near the carpet attachments.

SUBTASK 25-51-09-860-009

- (5) Attach the moveable bulkhead [1] to the carpet attachments.

EFFECTIVITY

HAP 001-013, 015-026, 028-049, 051-053, 101-999

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- (a) Lift the cover [5].
- (b) Attach the quick-lock pins [4].

SUBTASK 25-51-09-860-010

- (6) Close the circuit breaker CB1 and remove the DO-NOT-CLOSE tag on the cargo loading control box [2].

SUBTASK 25-51-09-860-011

- (7) Remove the safety tags and close these circuit breakers:

F/O Electrical System Panel, P6-11

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
D	8	C01139	AFT CARGO LOADER CONT

Power Distribution Panel Number 1, P91

<u>Row</u>	<u>Col</u>	<u>Number</u>	<u>Name</u>
HAP 037-049, 051-053, 101-999			
A	17	C00907	AFT CARGO LOADER DRIVE
HAP 001-013, 015-026, 028-036			
E	8	C00907	AFT CARGO LOADER DRIVE
HAP 001-013, 015-026, 028-049, 051-053, 101-999			

SUBTASK 25-51-09-700-001

- (8) Do this task: Aft Cargo Compartment Control Box Operational Test, TASK 25-51-07-700-801.

————— END OF TASK —————

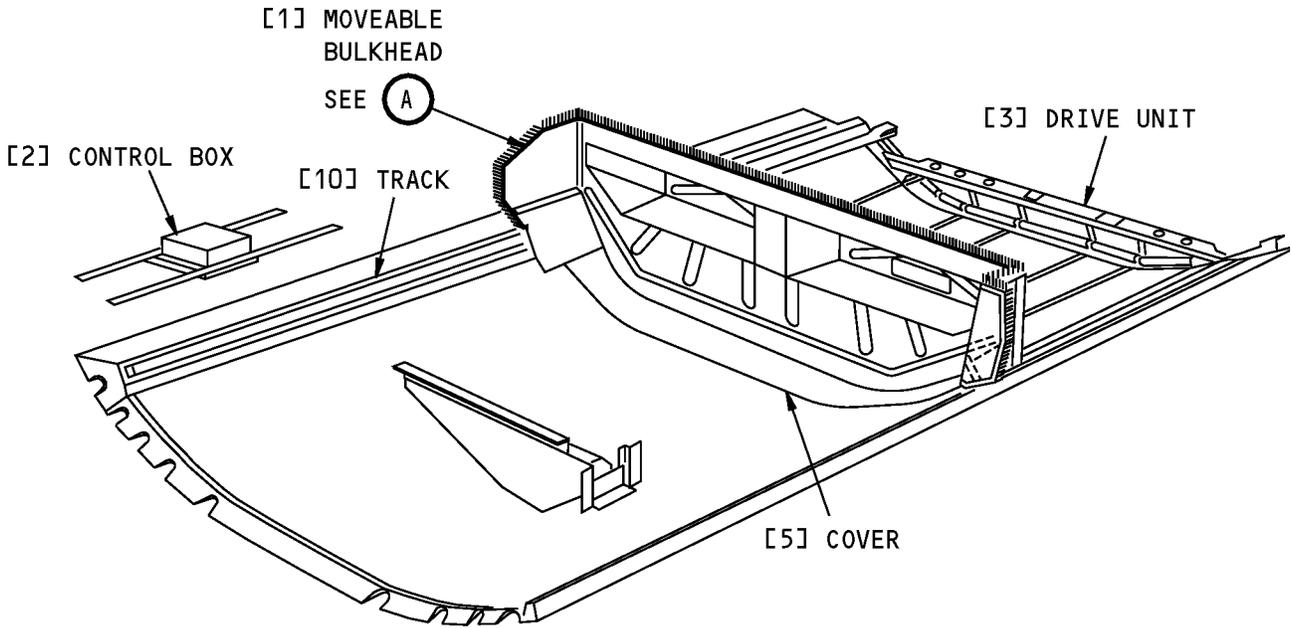
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25-51-09

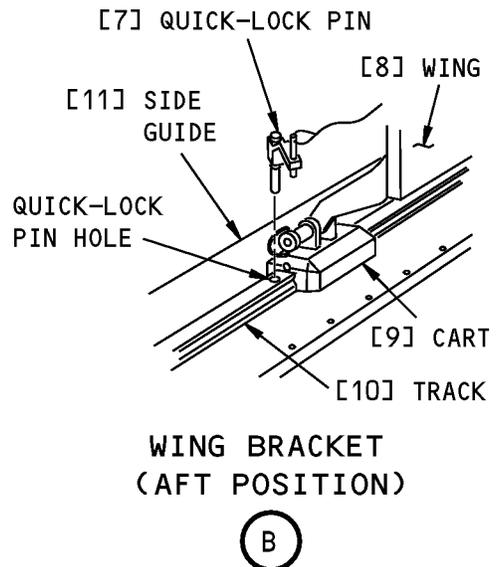
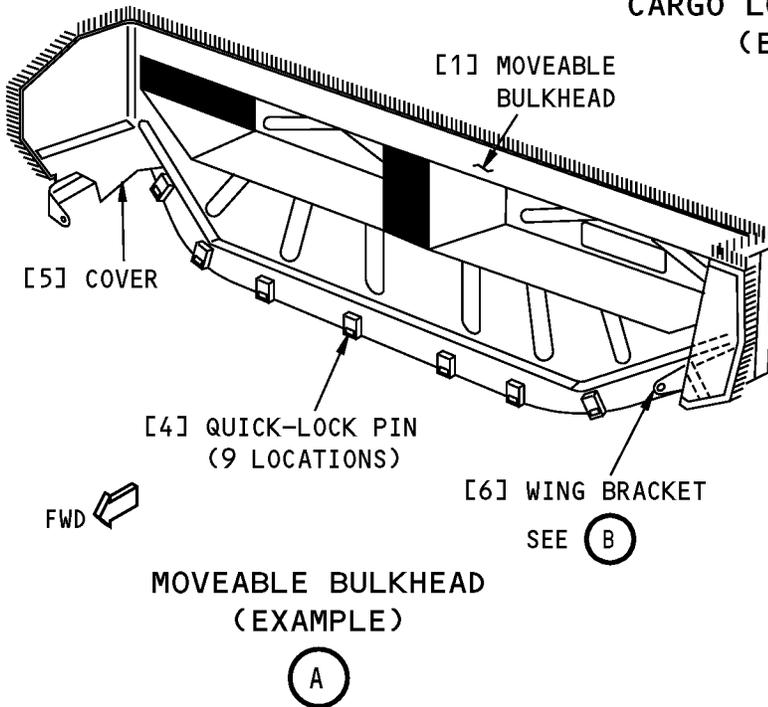
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**SLIDING CARPET
CARGO LOADING SYSTEM
(EXAMPLE)**



Deactivation and Activation of Sliding Carpet Loading System (Example)
Figure 201/25-51-09-990-801

EFFECTIVITY
HAP 001-013, 015-026, 028-049, 051-053, 101-999

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AIRCRAFT MAINTENANCE MANUAL

CARGO COMPARTMENT - INSPECTION/CHECK

1. General

- A. This procedure contains scheduled maintenance task data.
- B. This procedure has these tasks for the forward and aft cargo compartments:
 - (1) Cargo Compartment Liner Inspection
 - (2) Forward Cargo Compartment STA 396 Bulkhead Inspection
 - (3) Cargo Restraint Inspection for the restraints at the cargo doors
 - (4) Cargo Compartment Tiedown Fitting Inspection.

TASK 25-52-00-200-803

2. Cargo Compartment Liner Inspection

A. General

- (1) This procedure is a scheduled maintenance task.
- (2) This task inspects the liners in the forward and aft cargo compartments.
- (3) It is important that all of the fasteners, seams, and punctures are sealed correctly to keep the amount of oxygen in the compartment to a minimum.

B. References

Reference	Title
25-00-00-300-801	Crushed-Core and Sandwich Panel Repair (P/B 801)
25-52-01-300-802	Permanent Repair for Molded Liners, Shrouds, and Liners with Complex Curves (P/B 801)
25-52-01-340-801	Permanent Repair for Flat or Slightly Curved Liners (P/B 801)
25-52-01-350-801	Loose or Damaged Tape Repair (P/B 801)
25-52-06-400-801	Install the Sidewall Lining for the Cargo Compartment (P/B 401)
25-52-09-400-801	Cargo Compartment Ceiling Liner - Installation (P/B 401)
25-52-18-400-801	Aft Cargo Compartment Forward Bulkhead Liner Installation (P/B 401)

C. Location Zones

Zone	Area
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

D. Procedure

SUBTASK 25-52-00-210-001

- (1) Make sure the ceiling liners, sidewall liners, bulkhead liners and panels, and floor panels do not have any cuts, tears, or holes.

SUBTASK 25-52-00-211-001

- (2) Make sure that there is no loose or damaged tape at the joints for the ceiling liner, sidewall liner or bulkhead liner. If there is loose or damaged tape, do this task: Loose or Damaged Tape Repair, TASK 25-52-01-350-801.

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HAP ALL

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SUBTASK 25-52-00-210-002

- (3) For the non-honeycomb liners (the ceiling panels, the sidewall liners, and the forward bulkhead in aft cargo compartment), if the damage is less than or equal to these limits, then you can repair the liner. To repair the liner,

These are the tasks:

Permanent Repair for Flat or Slightly Curved Liners, TASK 25-52-01-340-801,

Permanent Repair for Molded Liners, Shrouds, and Liners with Complex Curves, TASK 25-52-01-300-802.

- (a) Cuts that are not more than 36-inches (91 cm) long.
- (b) L-shaped tears that are not more than 9-inches (23 cm) long on either side.
- (c) Holes that are not more than 1.5-inches (38.1 mm) in diameter.
- (d) If damage is greater than the allowable limits, replace the damaged sidewall panel as shown in the following procedures:
 - 1) Do this task: Cargo Compartment Ceiling Liner - Installation, TASK 25-52-09-400-801.
 - 2) Do this task: Install the Sidewall Lining for the Cargo Compartment, TASK 25-52-06-400-801.
 - 3) Do this task: Aft Cargo Compartment Forward Bulkhead Liner Installation, TASK 25-52-18-400-801.

SUBTASK 25-52-00-210-003

- (4) For damage to nomex honeycomb sandwich panels, do this task: Crushed-Core and Sandwich Panel Repair, TASK 25-00-00-300-801.
 - (a) If the damage is greater than the limits in (TASK 25-00-00-300-801), then replace the panel.

————— END OF TASK —————

TASK 25-52-00-200-805

3. Forward Cargo Compartment STA 396 Bulkhead Inspection

(Figure 601)

A. General

- (1) This procedure is a scheduled maintenance task.

B. Location Zones

Zone	Area
120	Subzone - Body Station 396 to Body Station 540

C. Pressure Relief Panel Inspection

SUBTASK 25-52-00-210-006

- (1) Make sure the blowout panel is fully engaged between the retaining ring and the rectangular seal.
 - (a) Do these steps to put the blowout panel in the correct position if it is not fully engaged:
 - 1) Remove the screws and washers that attach the grill to the frame.
 - 2) Remove the grill.
 - 3) Loosen the applicable bolts that attach the retaining ring to the frame in the area where the blowout panel came out.
 - 4) Make sure the blowout panel is not torn, punctured, or creased.

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- a) Replace the blowout panel if it is necessary.
- 5) Put the blowout panel in the position between the retaining ring and the rectangular seal.
- 6) Tighten the bolts that attach the retaining ring to the frame.
- 7) Install the screws and washers to attach the grill to the frame.

SUBTASK 25-52-00-210-007

- (2) Make sure the grill is firmly attached and is aft of the blowout panel.

SUBTASK 25-52-00-960-002

- (3) Replace the pressure relief panel if it is necessary:

————— END OF TASK —————

TASK 25-52-00-210-801

4. Cargo Restraint (Doorway) - Visual Inspection

A. General

- (1) This procedure is a scheduled maintenance task.

B. Location Zones

Zone	Area
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

C. Procedure

SUBTASK 25-52-00-210-005

- (1) Visually examine the cargo restraint at the forward and aft cargo door. Examine the items that follow:
 - (a) Make sure the straps are not worn or frayed.
 - (b) Make sure that each strap attaches to an anchor point.

————— END OF TASK —————

TASK 25-52-00-200-804

5. Cargo Compartment Tiedown Fitting Inspection

A. Location Zones

Zone	Area
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

B. Procedure

SUBTASK 25-52-00-210-004

- (1) Do a visual check of the tiedown fittings in the forward and aft cargo compartments.
 - (a) Make sure the tiedown fittings in the forward and aft cargo compartments are installed correctly.

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- (b) Make sure the tiedown fittings are not worn.
- (c) Make sure the tiedown fittings can hold the nets or straps and provide sufficient restraint.

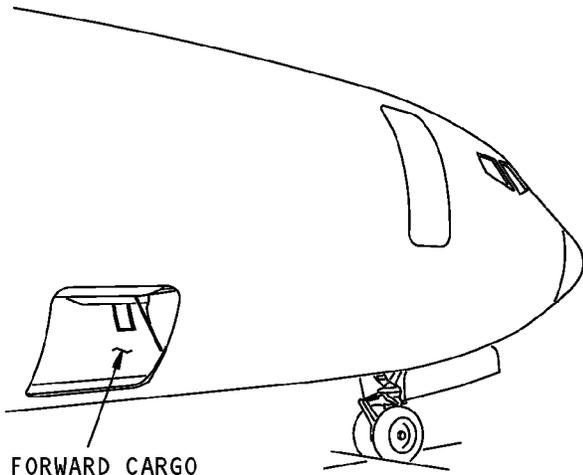
————— **END OF TASK** —————

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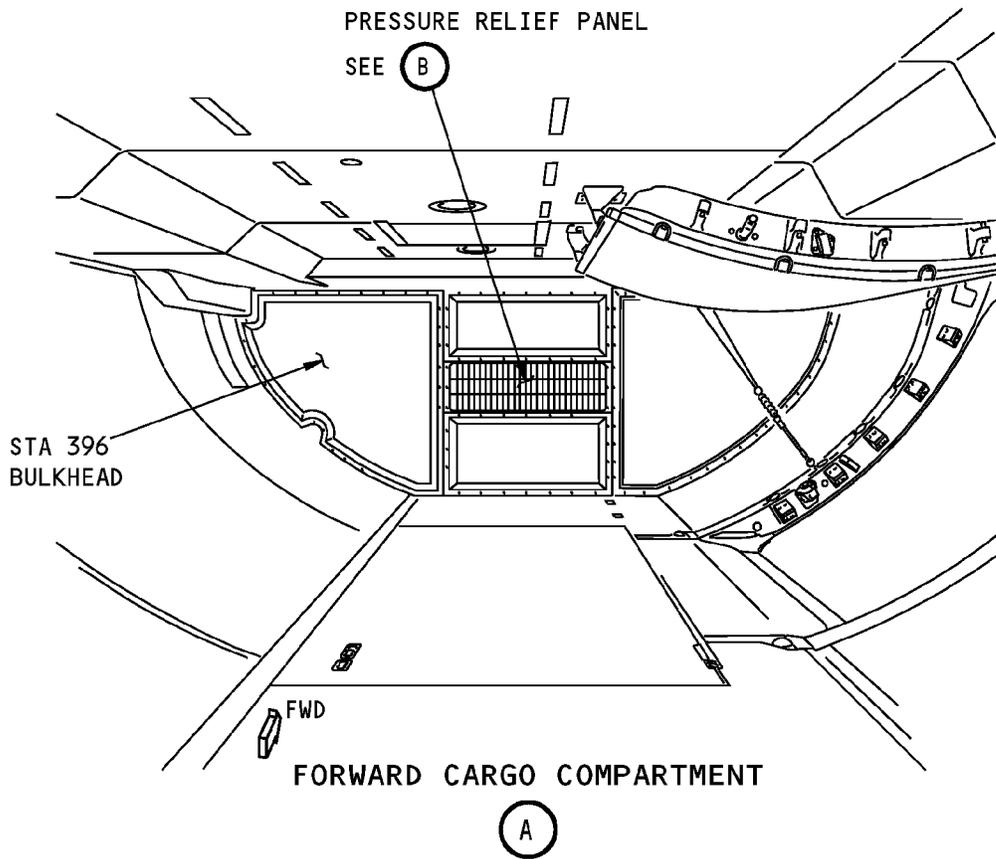
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FORWARD CARGO
COMPARTMENT

SEE (A)



PRESSURE RELIEF PANEL

SEE (B)

STA 396
BULKHEAD

FWD

FORWARD CARGO COMPARTMENT

(A)

Forward Cargo Compartment Sta 396 Bulkhead Inspection
Figure 601 (Sheet 1 of 2)/25-52-00-990-801

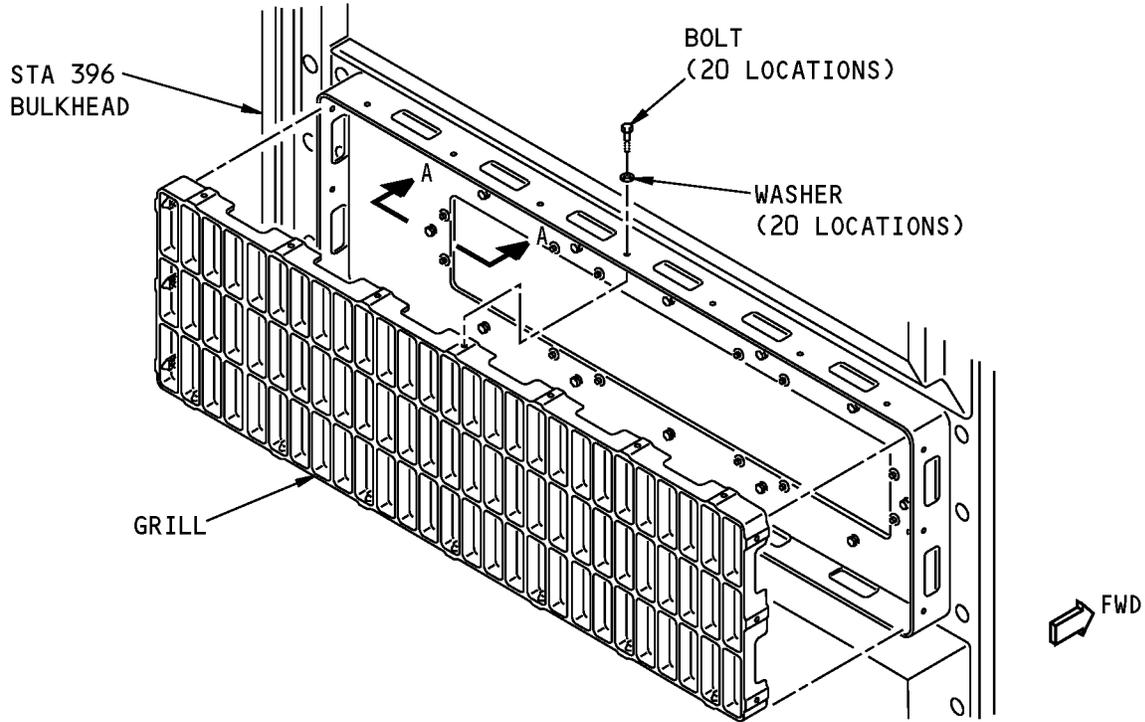
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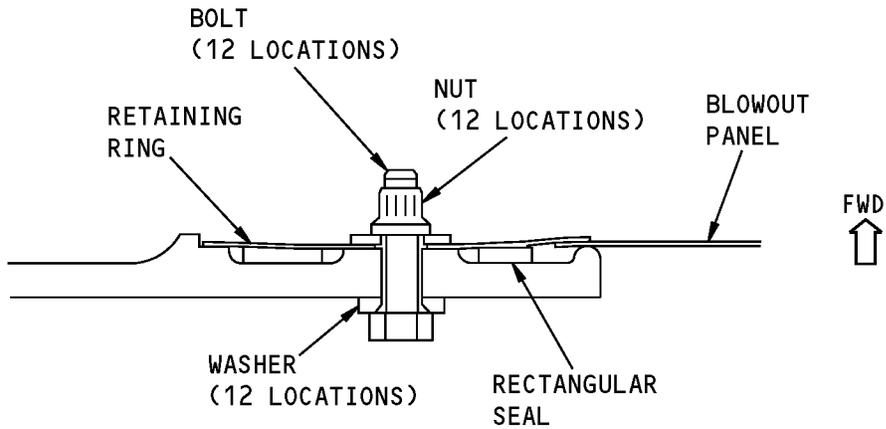
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PRESSURE RELIEF PANEL

B



**Forward Cargo Compartment Sta 396 Bulkhead Inspection
Figure 601 (Sheet 2 of 2)/25-52-00-990-801**

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CARGO COMPARTMENT - CLEANING/PAINTING

1. General

A. This procedure contains the following task:

- (1) Cargo Compartment Cleaning.

TASK 25-52-00-100-801

2. Cargo Compartment Cleaning

A. References

Reference	Title
20-40-11-910-801	Static Grounding (P/B 201)
24-22-00-860-811	Supply Electrical Power (P/B 201)
24-22-00-860-812	Remove Electrical Power (P/B 201)
51-21-91-620-802	Application of Corrosion Inhibiting Compound (P/B 701)

B. Tools/Equipment

Reference	Description
STD-1068	Vacuum - High Capacity

C. Consumable Materials

Reference	Description	Specification
B00003	Cleaner - Emulsion Alkaline - GMC 528B	
B00005	Cleaner - Alkaline - Cee Bee 280	
B00008	Cleaner - Alkaline - Oakite 204	
B00012	Cleaner - Alkaline - Turco Jet Clean C	
B00013	Cleaner - Alkaline - Dubois C-1102	
B00014	Cleaner - Aircraft, Multipurpose - Calla 301	NSN: 6850-00-159-8~ 533
B00016	Cleaner - Alkaline - TEC Formula No. 1	
B00017	Cleaner - Alkaline - Pace B-82 (Formerly Pacific B-82)	BMS11-12
B00325	Cleaner - Alkaline - Turco Jet Clean E	
B00335	Cleaner - Alkaline - TEC 86-2	
B00432	Solvent - Alkaline - Cee Bee A-410B	
B00433	Solvent - Alkaline - Hydrex 09	
B00434	Solvent - Alkaline - Metaclean AC	
G00034	Cotton Wiper - Process Cleaning Absorbent Wiper (Cheesecloth, Gauze)	BMS15-5
G00252	Film, Plastic Sheeting, Polyethylene	L-P-512
G00253	Material - Greaseproofed, Waterproofed, Barrier	MIL-B-121
G00258	Paper - Moisture Resistant, Laminated - Angier 30	
G00270	Tape - Scotch Flatback Masking 250	ASTM D6123 (Supersedes A-A-883)
G02173	Paper - Wrapping, Chemically Neutral (Non-Corrosive)	MIL-P-17667

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D. Location Zones

Zone	Area
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

E. Procedure

SUBTASK 25-52-00-100-001

- (1) Use these standard tools and equipment.
 - (a) high capacity vacuum, STD-1068 (wet and dry)
 - (b) Drum - 30 or 55 gallon capacity, mounted on casters
 - (c) Hose Assembly - 6 foot length, 1 1/2-inch ID; with a swivel connection to the pump - Graco Model 206-266 siphon tube
 - (d) Hose - 50 foot length, 3/8-inch ID, 2250 PSI working pressure with 3/8-inch pipe fitting at each end - Graco Model 207-831
 - (e) Portable Airless Pump - Graco bulldog Model 207-463; Hydraclean Pressure with 7 gpm output, 1200 psi working pressure, 10:1 ratio pump on pneumatic cart Model 208-156, with regulator assembly 206-199; Graco Incorporated, 60-11th Ave NE, Minneapolis MN 53440

SUBTASK 25-52-00-110-001

- (2) Use one of these alkaline emulsion solvents:
 - (a) Calla 301 cleaner, B00014
 - (b) Cee Bee A-410B solvent, B00432
 - (c) Cee Bee 280 cleaner, B00005
 - (d) Dubois C-1102 cleaner, B00013
 - (e) GMC 528B cleaner, B00003
 - (f) Hydrex 09 solvent, B00433
 - (g) Metaclean AC solvent, B00434
 - (h) Oakite 204 cleaner, B00008
 - (i) Pace B-82 cleaner, B00017
 - (j) TEC Formula No. 1 cleaner, B00016
 - (k) TEC 86-2 cleaner, B00335
 - (l) Turco Jet Clean C cleaner, B00012
 - (m) Turco Jet Clean E cleaner, B00325

F. Prepare to Clean

SUBTASK 25-52-00-860-001

- (1) Do this task: Remove Electrical Power, TASK 24-22-00-860-812.

SUBTASK 25-52-00-910-001

- (2) Do this task: Static Grounding, TASK 20-40-11-910-801.

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SUBTASK 25-52-00-020-001

CAUTION: REMOVE ALL COMPONENTS THAT ARE NOT RESISTANT TO DAMAGE FROM THE SOLVENTS OR WATER. DAMAGE TO SOME COMPONENTS CAN OCCUR IF THEY GET WET WITH THE SOLVENTS OR WATER.

- (3) Remove all of the blankets and components that are not resistant to damage from solvents and water.

SUBTASK 25-52-00-950-001

CAUTION: APPLY THE MASKING TAPE AND PAPER TO ALL AREAS THAT YOU WILL NOT CLEAN. YOU MUST OBEY THE MANUFACTURER'S INSTRUCTIONS. THESE CLEANERS HAVE HIGH CONCENTRATION LEVELS AND CAN CAUSE DAMAGE TO THE PAINT OR CAN CAUSE CORROSION OF THE METAL SURFACES.

- (4) Use masking Scotch Flatback Masking Tape 250, G00270 with one of these protective materials to cover the areas that you will not clean:

NOTE: This includes protection of all the lubricated or waxed surfaces and the latches and fittings.

- (a) film, G00252,
- (b) material, G00253, or
- (c) Angier 30 paper, G00258

G. Clean the cargo compartment

SUBTASK 25-52-00-160-001

- (1) Remove the dirt, fluids, and the other loose material with a vacuum cleaner as necessary.

SUBTASK 25-52-00-110-002

WARNING: DO NOT GET THESE SOLVENTS IN YOUR MOUTH OR EYES, OR ON YOUR SKIN. DO NOT BREATHE THE FUMES. PUT ON PROTECTIVE SPLASH GOGGLES AND GLOVES. KEEP THESE SOLVENTS AWAY FROM SPARKS, FLAME, AND HEAT. THESE SOLVENTS CAN BE POISONOUS OR FLAMMABLE WHICH CAN CAUSE INJURY OR DAMAGE.

CAUTION: DO NOT USE SOLVENTS THAT ARE NOT SHOWN IN THE CONSUMABLE MATERIALS. YOU CAN CAUSE DAMAGE TO THE EQUIPMENT IF YOU USE OTHER SOLVENTS.

- (2) Apply the solution of alkaline cleaner and water to the compartment with an airless pump.

NOTE: Let the solution soak for 5 minutes, but do not let it dry. Apply more solution as necessary to keep the surfaces wet.

SUBTASK 25-52-00-160-002

- (3) Remove the solution and the materials loosened by the solution with the vacuum cleaner.

SUBTASK 25-52-00-160-003

- (4) Do steps (2) and (3) again until the compartment is clean, as necessary.

SUBTASK 25-52-00-170-001

- (5) Flush the compartment with clean water.
 - (a) Use pressure to apply the water.

SUBTASK 25-52-00-160-004

- (6) Remove the water with the vacuum cleaner as necessary.

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SUBTASK 25-52-00-750-001

(7) Do this PH check for the compartment as follows with paper, G02173:

- (a) Do a pH check of the clean water.
- (b) Do a pH check of the water which remains caught in the compartment

NOTE: Do this check in more than one area.

- (c) Compare the PH check of the clean water with the pH of the water still caught in the compartment.
- (d) Make sure the pH in step (b) is not more than 1 pH unit of the pH in step (a).

NOTE: If not, flush the compartment again with clean water.

SUBTASK 25-52-00-160-005

(8) Dry the area with a clean cotton wiper, G00034.

SUBTASK 25-52-00-620-001

(9) Do this task: Application of Corrosion Inhibiting Compound, TASK 51-21-91-620-802.

H. Put the Airplane in its Usual Condition

SUBTASK 25-52-00-950-002

(1) Remove all of the masking tape and paper.

SUBTASK 25-52-00-410-001

(2) Install the equipment you removed.

SUBTASK 25-52-00-910-002

(3) Remove the static ground.

SUBTASK 25-52-00-860-002

(4) If it is necessary, do this task: Supply Electrical Power, TASK 24-22-00-860-811.

————— **END OF TASK** —————

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CARGO COMPARTMENT LINING - REPAIRS

1. General

A. This procedure contains these tasks:

- (1) Loose or Damaged Tape Repair,
- (2) Permanent Repair for Flat or Slightly Curved Liners,
- (3) Permanent Repair for Molded Liners, Shrouds, and Liners with Complex Curves.

TASK 25-52-01-350-801

2. Loose or Damaged Tape Repair

A. General

- (1) It is not necessary to remove the liners from the airplane for this repair.

B. Consumable Materials

Reference	Description	Specification
B00090	Solvent - Inhibited Trichloroethane 1,1,1	MIL-T-81533
B00093	Solvent - Tetrachloroethylene (Perchloroethylene)	ASTM D4081
G00034	Cotton Wiper - Process Cleaning Absorbent Wiper (Cheesecloth, Gauze)	BMS15-5
G02361	Tape - Cargo Lining Joint Seal	BMS5-146

C. Location Zones

Zone	Area
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

D. Procedure

SUBTASK 25-52-01-020-003

- (1) Remove or discard all loose or damaged tape.

SUBTASK 25-52-01-160-004

- (2) Clean the damaged area with a clean cotton wiper, G00034, that is moist with solvent, B00093, or solvent, B00090.

SUBTASK 25-52-01-160-005

- (3) Dry the area with a clean dry cotton wiper, G00034, before the solvent dries.

SUBTASK 25-52-01-160-006

- (4) Clean the area again fully to remove the dirt, oil, paint, and other unwanted materials.

NOTE: A clean surface is necessary for a good bond.

SUBTASK 25-52-01-420-003

- (5) Apply tape, G02361.

NOTE: Do not use the old tape again. If you use the tape again, it will not have a satisfactory bond.

- (a) Make sure the tape is within shelf life limits for optimum tape adhesion.

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- (b) Where possible, apply the tape to warm surfaces that are approximately 60°F (16°C) or higher, to help promote good adhesion.

————— END OF TASK —————

TASK 25-52-01-340-801

3. Permanent Repair for Flat or Slightly Curved Liners

(Figure 801)

A. General

- (1) Make sure the damage to the panel is not too large to be repaired. If the damage is too large, you must replace the panel. To find if the damage is too large, do this task: Cargo Compartment Liner Inspection, TASK 25-52-00-200-803.
- (2) There are four alternatives for permanent repairs. It is only necessary to use one of the four alternatives.

B. References

Reference	Title
25-52-00-200-803	Cargo Compartment Liner Inspection (P/B 601)
25-52-06-000-801	Remove the Sidewall Lining for the Cargo Compartment (P/B 401)
25-52-06-400-801	Install the Sidewall Lining for the Cargo Compartment (P/B 401)
25-52-09-000-801	Cargo Compartment Ceiling Liner Removal (P/B 401)
25-52-09-400-801	Cargo Compartment Ceiling Liner - Installation (P/B 401)
25-52-18-000-801	Aft Cargo Compartment Forward Bulkhead Liner Removal (P/B 401)
25-52-18-400-801	Aft Cargo Compartment Forward Bulkhead Liner Installation (P/B 401)

C. Consumable Materials

Reference	Description	Specification
A00016	Adhesive - Pressure Sensitive Film For Interior Non-Structural Bonding	BMS5-91
A01016	Adhesive - Epoxy Resin, High Temperature - Thermion EP65HT-1	
A50022	Patch - Cargo Liner, Self-Adhesive Speed Patch - AF844, AF848, or AF888 (based on size)	
B00065	Alcohol - Denatured, Ethyl (Ethanol)	27CFR21.35
B00083	Solvent - Aliphatic Naphtha (For Acrylic Plastics)	TT-N-95 Type II, ASTM D-3735 Type III
B00102	Abrasive - Aluminum Oxide Coated Cloth	ANSI B74.18
B00137	Abrasive - Garnet Coated Paper	ANSI B74.18
G00088	Fabric, General Purpose, Rigid, Fire Retarded, Glass Fabric Reinforced Plastic Sheeting	BMS8-2
G02163	Sheet - Fire Resistant Glass Fiber Reinforced Phenolic Laminate Cargo Liner	BMS8-223
G02361	Tape - Cargo Lining Joint Seal	BMS5-146
G02393	Patch - Fiberglass, Heat-Resistant - Thermion 9290	
G50418	Patch - Cargo Liner, Self-Adhesive Speed Patch - Gillpatch III 6306 System Kit	

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D. Location Zones

Zone	Area
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

E. Prepare for the Repair

SUBTASK 25-52-01-000-001

- (1) If it is necessary to remove the liner for repair, do the applicable task:
 - (a) Do this task: Remove the Sidewall Lining for the Cargo Compartment, TASK 25-52-06-000-801.
 - (b) Do this task: Cargo Compartment Ceiling Liner Removal, TASK 25-52-09-000-801.
 - (c) Do this task: Aft Cargo Compartment Forward Bulkhead Liner Removal, TASK 25-52-18-000-801.

F. Alternative 1 - Repair the Cargo Liners With Screws and a Bonded Patch

SUBTASK 25-52-01-340-018

- (1) Make a patch from the applicable material, sheet, G02163, or fabric, G00088. The sheet, G02163 or fabric, G00088 must be the same thickness as the liner where the repair is necessary.

NOTE: Cargo areas contain sheet, G02163 and fabric, G00088. They are interchangeable. The only difference is the fabric, G00088 is heavier and more durable. Both have the same fire retardant value.

NOTE: The patch must make a 2-inches (51 mm) overlap on the area that is not damaged. For example, the patch dimension that is necessary for a 1.5-inches (38 mm) diameter hole would be 5.5-inches (140 mm) diameter.

SUBTASK 25-52-01-120-004

- (2) Rub the back of the patch with abrasive cloth, B00102 (80 grit).

SUBTASK 25-52-01-120-005

- (3) Use abrasive cloth, B00102 (80 grit), to remove all signs of the Tedlar on the area of the liner to be contacted by the patch.

NOTE: Tedlar is the protective white layer that is on the front of the liner.

SUBTASK 25-52-01-160-007

- (4) Clean all the surfaces with alcohol, B00065, or solvent, B00083, to remove the loose particles.

SUBTASK 25-52-01-340-019

- (5) Apply adhesive, A00016 or equivalent, to the back of the patch.

SUBTASK 25-52-01-340-020

- (6) Put the patch over the center of the damaged area.

SUBTASK 25-52-01-340-021

- (7) Apply pressure to the patch to make sure there is a good bond.

SUBTASK 25-52-01-340-022

- (8) Attach the patch permanently with steel sheet metal screws. Install the screws approximately 1.25 inches (31.75 mm) apart and 0.60 inch (15.24 mm) from the edge of the patch.

NOTE: Put the screws in positions where they do not touch the structure that is behind the panel.

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SUBTASK 25-52-01-340-023

- (9) Apply tape, G02361, on the heads of the screws to keep them installed through the fiberglass liner and patch.
 - (a) Make sure the tape is within shelf life limits for optimum tape adhesion.
 - (b) Where possible, apply the tape to warm surfaces that are approximately 60°F (16°C) or higher, to help promote good adhesion.

G. Alternative 2 - Thermion Repair System

SUBTASK 25-52-01-340-024

- (1) Get the correct Thermion 9290 patch, G02393, for the shape of the damage.

NOTE: The patch must make a 2-inches (51 mm) overlap on the area that is not damaged. For example, the patch dimension that is necessary for a 1.5-inches (38 mm) diameter hole would be 5.5-inches (140 mm) diameter.

SUBTASK 25-52-01-120-006

- (2) Rub the back of the patch with abrasive cloth, B00102 (80 grit), to remove the gloss.
 - (a) Be careful to not rub the impregnated scrim area.

SUBTASK 25-52-01-120-007

- (3) Use abrasive, B00137 (80 grit), to remove all signs of the Tedlar on the area of the liner to be contacted by the patch.

NOTE: Tedlar is the protective white layer that is on the front of the liner.

SUBTASK 25-52-01-160-008

- (4) Clean all the surfaces with alcohol, B00065, or solvent, B00083, to remove the loose particles.

SUBTASK 25-52-01-340-025

- (5) Apply Thermion EP65HT-1 adhesive, A01016, to the back of the patch and to the liner.

SUBTASK 25-52-01-340-026

- (6) Put the patch over the center of the damaged area.

SUBTASK 25-52-01-340-027

- (7) Apply pressure to the patch until the excess adhesive comes out from the edges.

SUBTASK 25-52-01-340-028

- (8) Put tape, G02361, around the edges of the patch.

NOTE: The tape will hold the patch while the adhesive dries (approximately 30 minutes). Also, the tape will protect the edges of the patch when the airplane is in service.

- (a) Make sure the tape is within shelf life limits for optimum tape adhesion.
- (b) Where possible, apply the tape to warm surfaces that are approximately 60°F (16°C) or higher, to help promote good adhesion.

H. Alternative 3 - Akro Fireguard System

SUBTASK 25-52-01-340-029

- (1) Get the correct Akro Fireguard repair kit, Akro Fireguard patch, A50022 for the shape of the damage.

NOTE: The patch must make a 2-inches (51 mm) overlap on the area that is not damaged. For example, the patch dimension that is necessary for a 1.5-inches (38 mm) diameter hole would be 5.5-inches (140 mm) diameter.

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SUBTASK 25-52-01-340-030

- (2) Use the Akro installation instructions (in the kit) to attach the patch over the center of the damage.

I. Alternative 4 - Gillpatch III System

SUBTASK 25-52-01-340-062

- (1) Get the Gillpatch III System patch, G50418, each kit has complete instructions to identify the repairable sizes and apply the patch.

- (a) The patch, G50418 must extend 2 inches beyond all sides of a tear or puncture.

NOTE: The patch must make a 2-inches (51 mm) overlap on the area that is not damaged. For example, the patch dimension that is necessary for a 1.5-inches (38 mm) diameter hole would be 5.5-inches (140 mm) diameter.

SUBTASK 25-52-01-160-015

- (2) Use a lint-free clean, dry cloth and alcohol, B00065, or solvent, B00083 or equivalent, to remove any oil, grease, dirt or stain from the damaged area to be patched.

SUBTASK 25-52-01-210-001

- (3) Make sure the area is clean and dry before you apply the patch, G50418.

- (a) Wipe off any film residue that remains on the liner surface.

SUBTASK 25-52-01-210-002

- (4) If there are any Tedlar surface, note that it is not necessary to remove them, as the patch, G50418 can be applied directly to Tedlar.

SUBTASK 25-52-01-340-063

- (5) When you are ready to apply the patch, G50418, peel the protective backing from the pressure sensitive adhesive on the back of the patch, G50418.

NOTE: Handle the patch very carefully as the adhesive will adhere aggressively to any surface that comes in contact with it.

SUBTASK 25-52-01-390-001

- (6) Center the adhesive side of the patch, G50418 over the damaged area.

SUBTASK 25-52-01-390-002

- (7) Use your hand to rub with circular even pressure over the entire surface of the patch, G50418 which also includes the exposed edges.

SUBTASK 25-52-01-210-003

- (8) Make sure the patch, G50418 completely adheres to the cargo liner it covers.

- (a) The patch, G50418 must be firmly stuck in place and extends 2 inches beyond all sides of the tear or puncture.

J. Put the Airplane Back to Its Usual Condition

SUBTASK 25-52-01-000-002

- (1) If it is necessary to install the liner after the repair, do the applicable task:

- (a) Do this task: Install the Sidewall Lining for the Cargo Compartment, TASK 25-52-06-400-801.

- (b) Do this task: Cargo Compartment Ceiling Liner - Installation, TASK 25-52-09-400-801.

- (c) Do this task: Aft Cargo Compartment Forward Bulkhead Liner Installation, TASK 25-52-18-400-801.

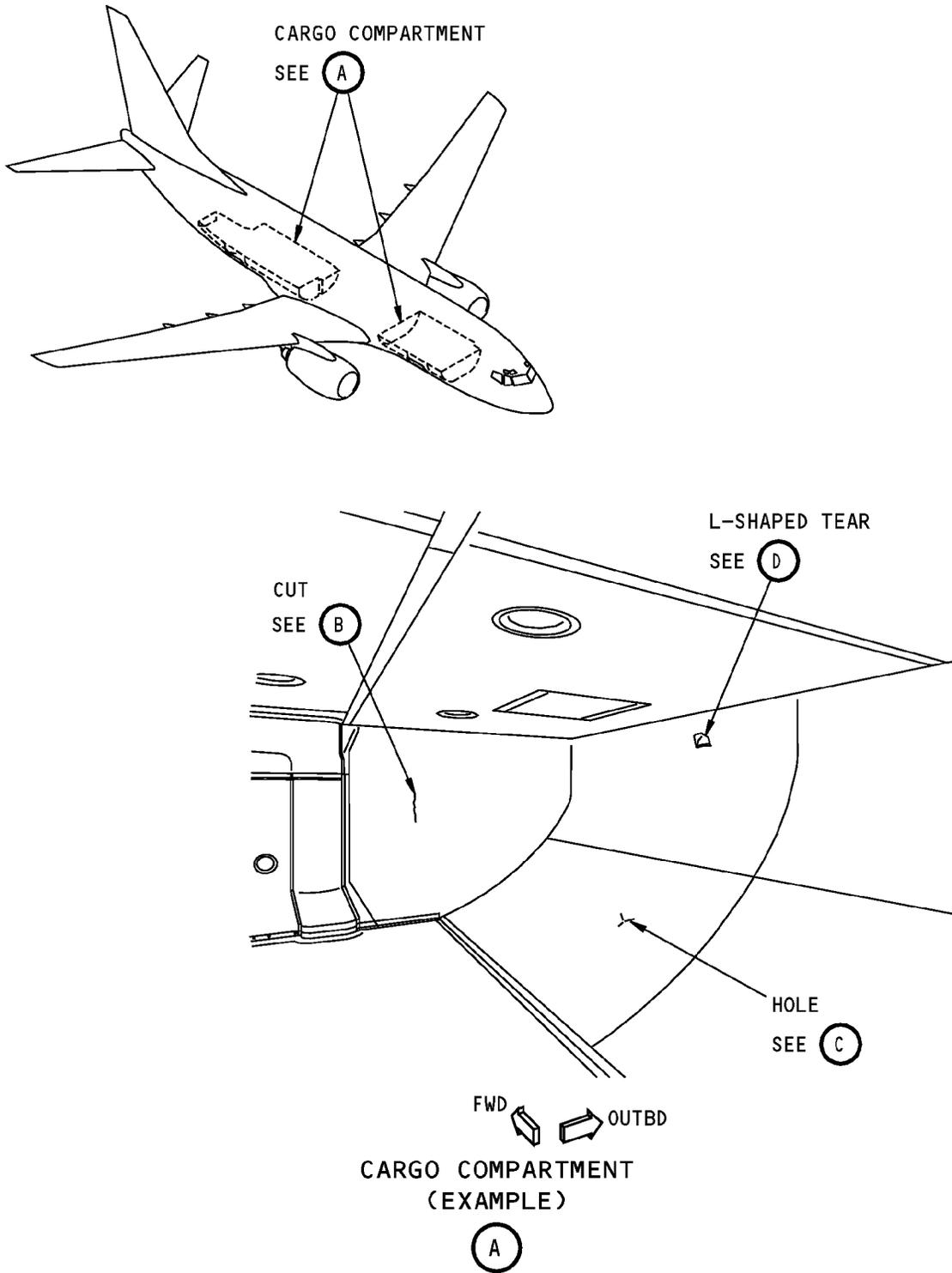
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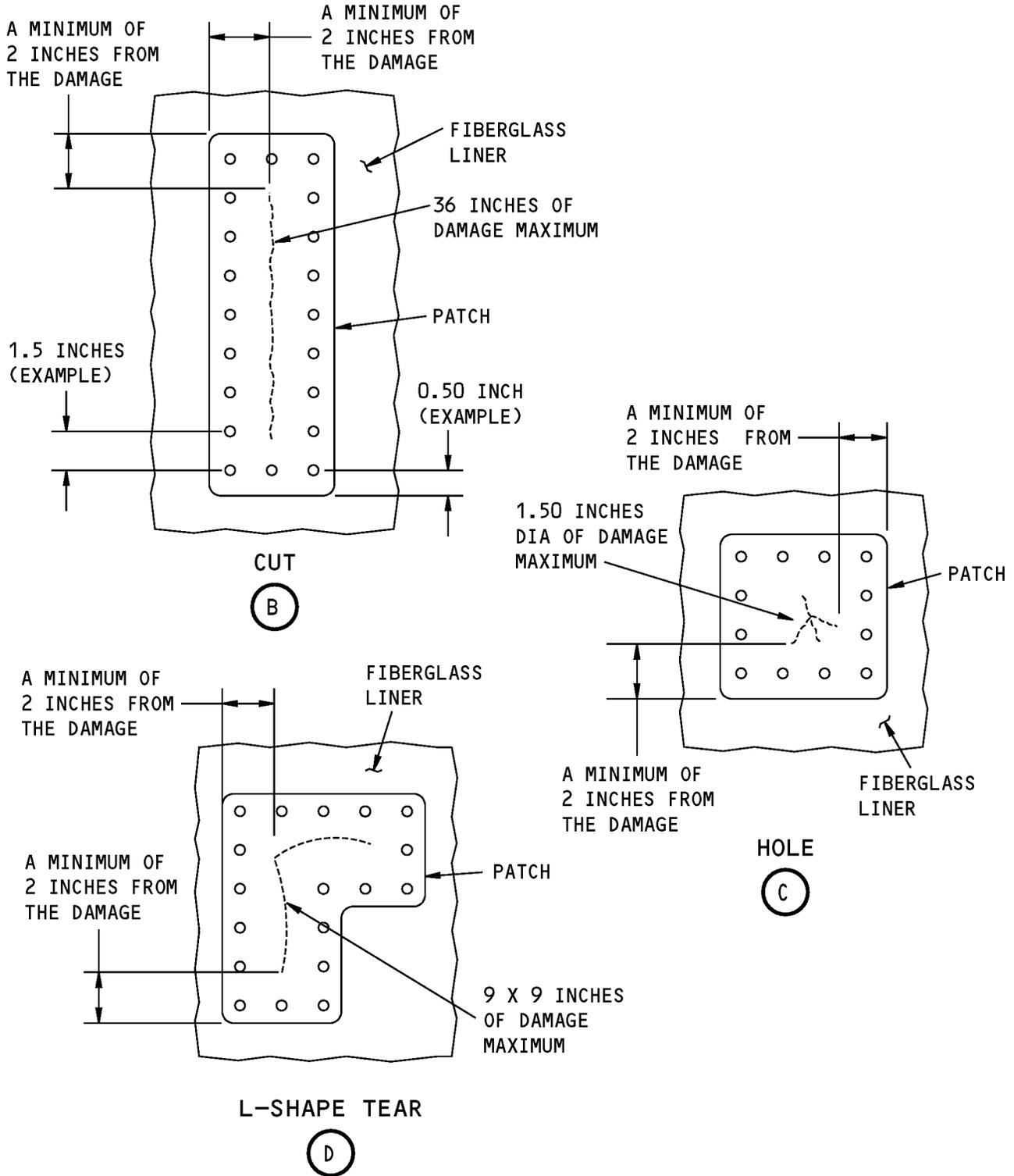


Fiberglass Liner Repair
Figure 801 (Sheet 1 of 2)/25-52-01-990-801

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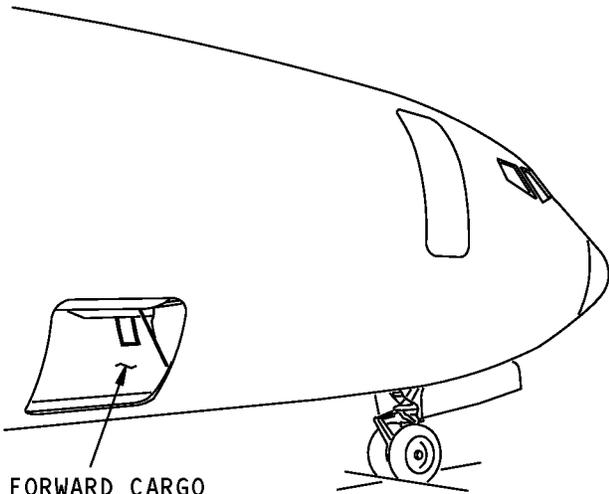
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Fiberglass Liner Repair
Figure 801 (Sheet 2 of 2)/25-52-01-990-801

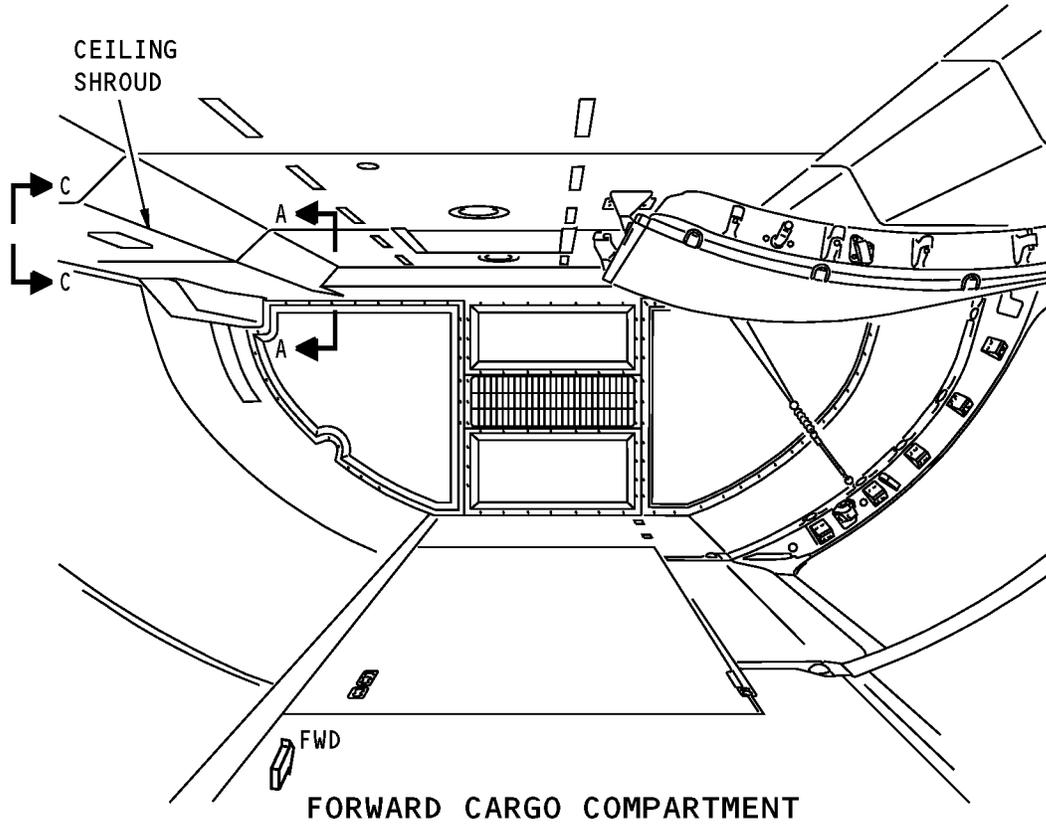
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FORWARD CARGO
COMPARTMENT

SEE (A)



(A)

**Cargo Compartment Ceiling Shroud
Figure 802 (Sheet 1 of 4)/25-52-01-990-804**

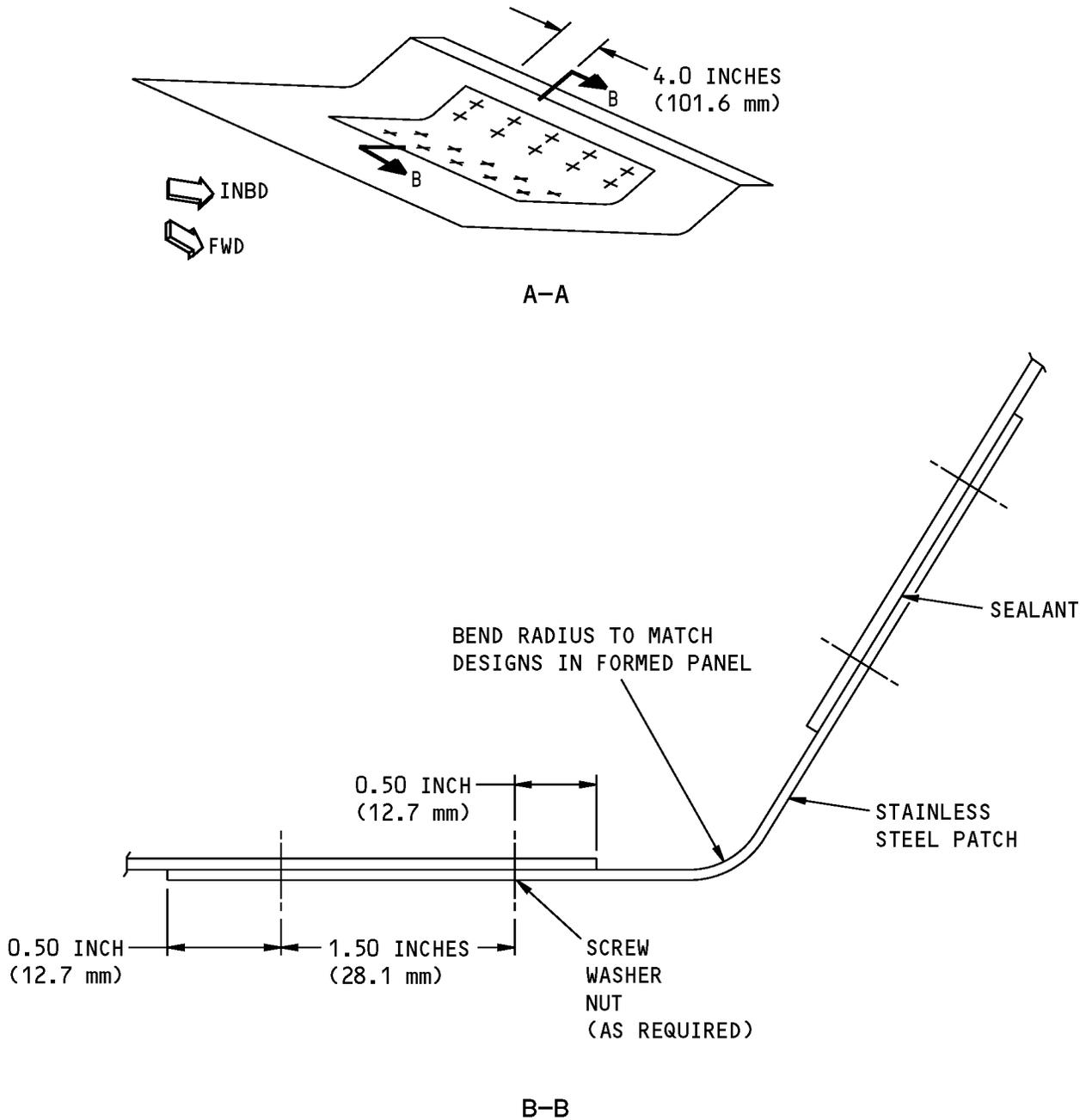
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**Cargo Compartment Ceiling Shroud
Figure 802 (Sheet 2 of 4)/25-52-01-990-804**

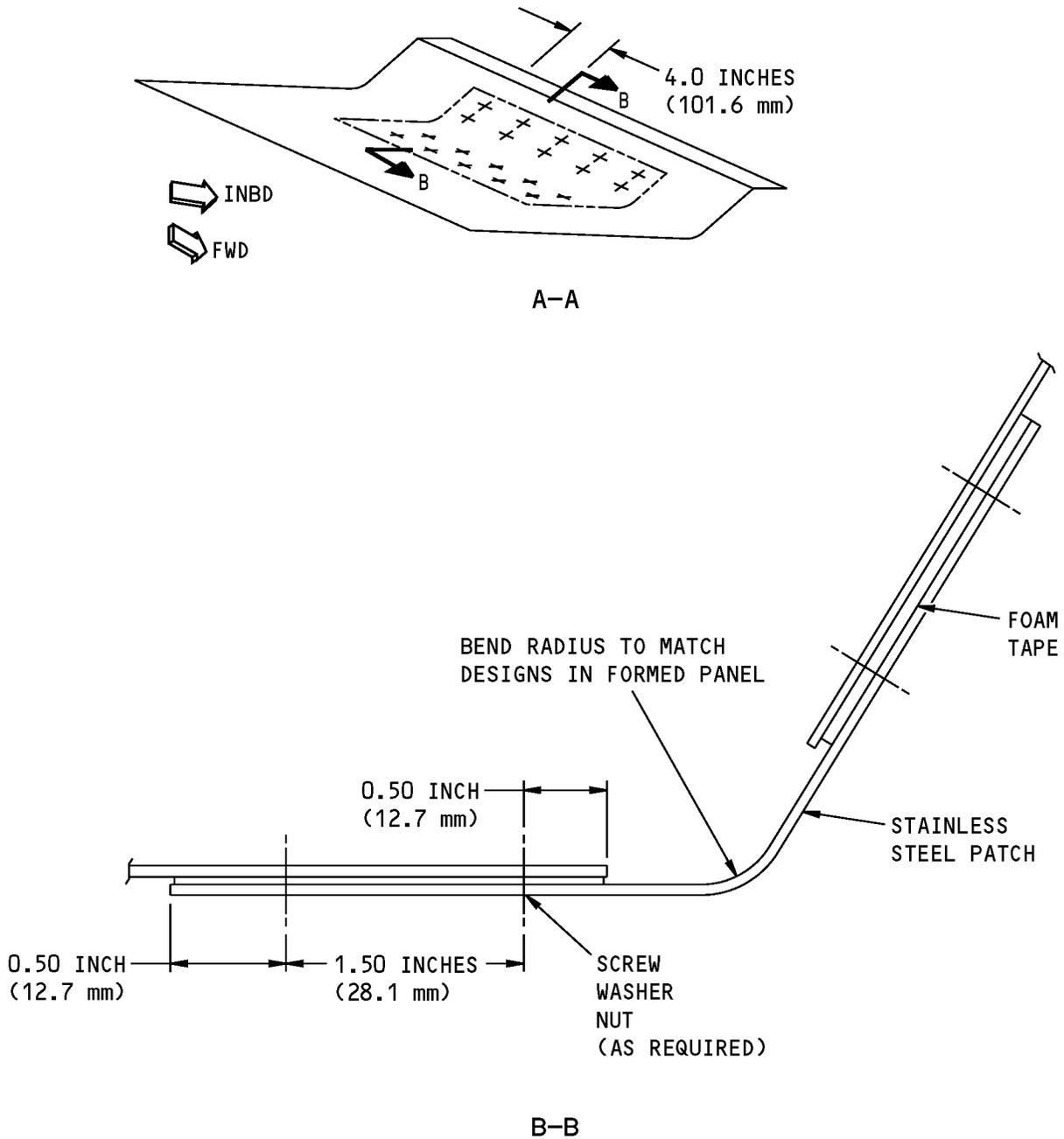
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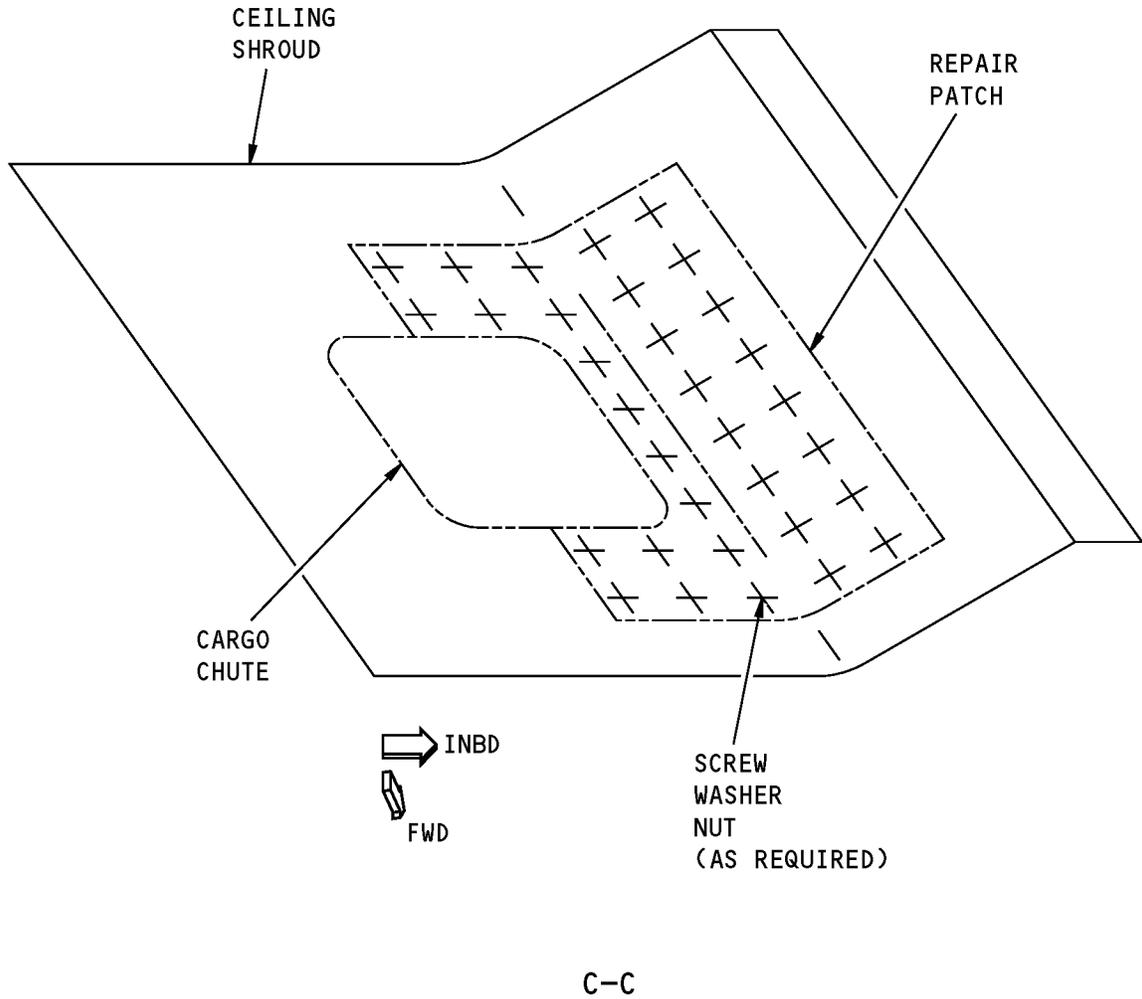
**Cargo Compartment Ceiling Shroud
Figure 802 (Sheet 3 of 4)/25-52-01-990-804**

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**Cargo Compartment Ceiling Shroud
Figure 802 (Sheet 4 of 4)/25-52-01-990-804**

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TASK 25-52-01-300-802

4. Permanent Repair for Molded Liners, Shrouds, and Liners with Complex Curves

A. General

- (1) Make sure the damage to the panel is not too large to be repaired. If the damage is too large, you must replace the panel. To find if the damage is too large, do this task: Cargo Compartment Liner Inspection, TASK 25-52-00-200-803.

B. References

Reference	Title
25-52-00-200-803	Cargo Compartment Liner Inspection (P/B 601)
25-52-06-000-801	Remove the Sidewall Lining for the Cargo Compartment (P/B 401)
25-52-06-400-801	Install the Sidewall Lining for the Cargo Compartment (P/B 401)
25-52-09-000-801	Cargo Compartment Ceiling Liner Removal (P/B 401)
25-52-09-400-801	Cargo Compartment Ceiling Liner - Installation (P/B 401)
25-52-18-000-801	Aft Cargo Compartment Forward Bulkhead Liner Removal (P/B 401)
25-52-18-400-801	Aft Cargo Compartment Forward Bulkhead Liner Installation (P/B 401)
SRM 51-70-06	Structural Repair Manual

C. Consumable Materials

Reference	Description	Specification
A01076	Adhesive - Synthetic Rubber	BAC5010, Type 93 (BMS5-95, Class B)
B00065	Alcohol - Denatured, Ethyl (Ethanol)	27CFR21.35
B00083	Solvent - Aliphatic Naphtha (For Acrylic Plastics)	TT-N-95 Type II, ASTM D-3735 Type III
B00102	Abrasive - Aluminum Oxide Coated Cloth	ANSI B74.18
B00137	Abrasive - Garnet Coated Paper	ANSI B74.18
G00316	Fabric - Woven Glass Reinforcements For Laminating Plastics	BMS9-3
G02186	Seal - Closed Cell Silicone Foam Rubber, Hydraulic Fluid Resistant	BMS1-68, Form III
G02312	Fabric, Phenolic Preimpregnated Glass	BMS8-226
G02318	Sheet - Stainless Steel	
G02361	Tape - Cargo Lining Joint Seal	BMS5-146
G50005	Sheet - Stainless Steel	
G50132	Sheet - Stainless Steel, CRES 301, .032 inch Thick	MIL-S-5059
G50400	Resin - Fiberglass Layup, Short Worklife, Non-Brominated	BMS 8-201, Type IV (Supersedes BMS 8-201, Type II)

D. Location Zones

Zone	Area
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
141	Aft Cargo Compartment - Left

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(Continued)

Zone	Area
142	Aft Cargo Compartment - Right

E. Procedure

SUBTASK 25-52-01-010-001

- (1) To remove the liner for repair, do the applicable task:
 - (a) Do this task: Remove the Sidewall Lining for the Cargo Compartment, TASK 25-52-06-000-801.
 - (b) Do this task: Cargo Compartment Ceiling Liner Removal, TASK 25-52-09-000-801.
 - (c) Do this task: Aft Cargo Compartment Forward Bulkhead Liner Removal, TASK 25-52-18-000-801.

SUBTASK 25-52-01-120-008

- (2) Use abrasive, B00137 (80 grit), to lightly sand the area of the liner to be contacted by the patch.
NOTE: Tedlar is the protective white layer that is on the front of the liner.

SUBTASK 25-52-01-120-009

- (3) Lightly rub the damaged area on the back side of the panel with abrasive cloth, B00102 (80 grit).

SUBTASK 25-52-01-160-009

- (4) Clean the damaged area with alcohol, B00065 or solvent, B00083.

SUBTASK 25-52-01-340-031

- (5) Do this structural repair on the fiberglass side of the panel (SRM 51-70-06).

SUBTASK 25-52-01-340-032

- (6) Mix theresin, G50400, per the manufacture's instructions.

SUBTASK 25-52-01-340-033

- (7) Apply a layer of the mixed resin to the side of the damaged panel that shows in the cargo compartment.

SUBTASK 25-52-01-340-034

- (8) Apply a layer of fiberglass fabric, G00316 (Type H), fabric on the layer of adhesive resin.

NOTE: The fiberglass fabric should make a minimum of a 2-inch (51 mm) overlap on the area that is not damaged. For example, the fiberglass fabric dimension that is necessary for a 1.5-inch 38 mm) diameter hole would be 5.5-inch (140 mm) diameter.

SUBTASK 25-52-01-340-035

- (9) Apply one more layer of the adhesive.

SUBTASK 25-52-01-340-036

- (10) Allow the adhesive to cure for a minimum of 24 hours at 77 degrees F (25 degrees C), or for a minimum of 1-hour at 150 degrees F (65.6 degrees C).

NOTE: Allow a 10 degree tolerance in either direction for each.

SUBTASK 25-52-01-340-037

- (11) Do these steps to attach the patch permanently with bolts. Use NAS603-5P bolts, AN960JD10L washers, and MS21042L3 nuts, or equivalent.

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- (a) Drill holes for the bolts around the edge of the patch. Drill the holes a maximum of 2-inches (50.8 mm) apart and approximately 0.5 inch (13 mm) from the edges of the fiberglass fabric. Make sure the holes go through the patch and the original panel.

NOTE: Put the holes in positions where the bolts will not hit structure or systems when the panel is installed.

- (b) Install the bolts, nuts and washers.
- (c) Make sure there is sufficient clearance between the bolts and the adjacent structure and systems behind the panel.
- (d) Grind the ends of the bolts smooth with the nuts to get sufficient clearance, if necessary.
- (e) If you cannot get sufficient clearance, replace the panel.

SUBTASK 25-52-01-340-038

- (12) Do these steps to repair the cargo compartment ceiling shroud (Figure 802):

NOTE: The shroud is on the forward and aft left side of the cargo compartment.

- (a) Remove the damaged areas
- (b) Fabricate a repair patch from stainless steel sheet, G02318, stainless steel sheet, G50005, or CRES 301 sheet, G50132.
- (c) Use adhesive, A01076 to bond the CRES 301 sheet, G50132 patch to the ceiling shroud.

NOTE: : An optional method to bond the patch is to use seal, G02186 tape to install the patch to the ceiling shroud.

- (d) Attach the patch permanently with screws. Use BACS12FA3K* screws, NAS1149D0363J washers and BACN10JC3CD nuts or equivalent.
 - 1) Fastener space is 4.0 in typical, and two rows of fasteners past the end.
 - 2) If the damage is too large, you must replace the panel.
- (e) Drill holes for the bolts around the edge of the patch. Drill the holes a maximum of 4-inches (101 mm) of separation, and approximately 0.5 inch (13 mm) from the edges of the stainless steel patch. Make sure the holes go through the patch and the original panel.
- (f) Make sure there is sufficient clearance between the screws and the adjacent structure and systems behind the panel.
- (g) Install the screws, nuts and washers.
- (h) Apply tape, G02361, over the fasteners and the joint edge to keep them installed through the patch.
 - 1) Make sure the tape is within shelf life limits for optimum tape adhesion.
 - 2) Where possible, apply the tape to warm surfaces that are approximately 60°F (16°C) or higher, to help promote good adhesion.

SUBTASK 25-52-01-340-039

- (13) Alternative - Repair the ceiling shroud with a Preformed patch

- (a) Make a patch from the applicable material fabric, G02312. The patch can be made from 4 plies of the fabric, G02312 material.
- (b) Fabricate or laminate the preformed patch per BAC 5565.
 - 1) Make sure the radius of the preformed patch matches the panel radius.
- (c) Use adhesive, A01076 to bond the CRES 301 sheet, G50132 patch to the ceiling shroud.

NOTE: An optional method to bond the patch is to use seal, G02186 tape to install the patch to the ceiling shroud.

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- (d) Install the fasteners as necessary.
 - 1) Fastener space is 4.0 in typical, and two rows of fasteners past the end.
 - 2) If the damage is too large, you must replace the panel.
- (e) Apply tape, G02361, over the fasteners and the joint edge to keep them installed through the patch.
 - 1) Make sure the tape is within shelf life limits for optimum tape adhesion.
 - 2) Where possible, apply the tape to warm surfaces that are approximately 60°F (16°C) or higher, to help promote good adhesion.

SUBTASK 25-52-01-420-004

WARNING: SEAL THE CARGO COMPARTMENT WITH LINERS. OBEY THE INSTRUCTIONS IN THE SPECIFIED PROCEDURE WHEN YOU INSTALL THE LINERS. IF YOU INSTALL THE LINERS INCORRECTLY, A FIRE WILL NOT BE CONTAINED AND THE EXTINGUISHING AGENT OR SMOKE CAN GET INTO THE PASSENGER COMPARTMENT.

- (14) To install the liner after repair, do the applicable task:
 - (a) Do this task: Install the Sidewall Lining for the Cargo Compartment, TASK 25-52-06-400-801.
 - (b) Do this task: Cargo Compartment Ceiling Liner - Installation, TASK 25-52-09-400-801.
 - (c) Do this task: Aft Cargo Compartment Forward Bulkhead Liner Installation, TASK 25-52-18-400-801.

————— **END OF TASK** —————

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CARGO COMPARTMENT SIDEWALL LININGS - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks.

- (1) The removal of the sidewall liners in the cargo compartments.
- (2) The installation of the sidewall liners in the cargo compartments.

TASK 25-52-06-000-801

2. Remove the Sidewall Lining for the Cargo Compartment

(Figure 401)

A. References

Reference	Title
25-51-00-000-801	Aft Sliding Carpet Loading System - Removal (P/B 401)
25-52-17-000-801	Forward Cargo Compartment Aft Bulkhead Liner Removal (P/B 401)
25-52-19-000-801	Aft Cargo Compartment Aft Bulkhead Liner Removal (P/B 401)

B. Consumable Materials

Reference	Description	Specification
G02360	Tape - Hook/Loop Fastener (Polypropylene Hook & Nylon Loop)	BMS 8-285, Type IV
G02361	Tape - Cargo Lining Joint Seal	BMS5-146

C. Location Zones

Zone	Area
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
125	Air Conditioning Distribution Bay - Left
126	Air Conditioning Distribution Bay - Right
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right
145	Aft Cargo Compartment Equipment Bay - Left
146	Aft Cargo Compartment Equipment Bay - Right

D. Procedure

HAP 001-013, 015-026, 028-049, 051-053, 101-999

SUBTASK 25-52-06-010-005

- (1) Remove the Aft Sliding Carpet Loading System if necessary.
 - (a) To remove the Aft Sliding Carpet Loading System, do this task: Aft Sliding Carpet Loading System - Removal, TASK 25-51-00-000-801

HAP ALL

SUBTASK 25-52-06-010-001

- (2) If you will remove the liner that is adjacent to the aft bulkhead, then remove the aft bulkhead for access to some of the tape. To remove the aft bulkhead, do the applicable task.

These are the tasks:

- Forward Cargo Compartment Aft Bulkhead Liner Removal, TASK 25-52-17-000-801,
- Aft Cargo Compartment Aft Bulkhead Liner Removal, TASK 25-52-19-000-801.

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SUBTASK 25-52-06-020-001

(3) Remove and discard the tape, G02361 (BMS5-146) from the edges of the liner.

SUBTASK 25-52-06-020-002

(4) Remove the screws [3], and cap strips [8].

SUBTASK 25-52-06-020-003

(5) Pull the panel [1] from the structure. It is attached in some locations with tape, G02360 [6].

————— **END OF TASK** —————

TASK 25-52-06-400-801

3. Install the Sidewall Lining for the Cargo Compartment

(Figure 401)

A. References

Reference	Title
25-51-00-400-801	Aft Sliding Carpet Loading System - Installation (P/B 401)
25-52-17-400-801	Forward Cargo Compartment Aft Bulkhead Liner Installation (P/B 401)
25-52-19-400-801	Aft Cargo Compartment Aft Bulkhead Liner Installation (P/B 401)

B. Consumable Materials

Reference	Description	Specification
B00083	Solvent - Aliphatic Naphtha (For Acrylic Plastics)	TT-N-95 Type II, ASTM D-3735 Type III
G02186	Seal - Closed Cell Silicone Foam Rubber, Hydraulic Fluid Resistant	BMS1-68, Form III
G02304	Tape - Moisture Barrier	BMS8-346
G02361	Tape - Cargo Lining Joint Seal	BMS5-146
G50734	Tape - Flame Retardant Hi-Tak (Av-DEC - HI-TAK HT3935-7FR-XXX)	

C. Location Zones

Zone	Area
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
125	Air Conditioning Distribution Bay - Left
126	Air Conditioning Distribution Bay - Right
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right
145	Aft Cargo Compartment Equipment Bay - Left
146	Aft Cargo Compartment Equipment Bay - Right

D. Procedure

SUBTASK 25-52-06-420-001

(1) Examine the seal, G02186 [2] on the structure.

(a) Replace the foam seals if they are damaged or missing.

NOTE: The foam seal must be continuous around all the edges of the opening for the liner.

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I HAP 037-054, 101-999; HAP 001-013, 015-026, 028-036 POST SB 737-53-1276

SUBTASK 25-52-06-430-001

- (2) Apply the HI-TAK Tape, G50734 on the floor structure under the sidewall panel if it is necessary.

HAP ALL

SUBTASK 25-52-06-420-002

- (3) Put the panel [1] in its position.

I HAP 037-054, 101-999; HAP 001-013, 015-026, 028-036 POST SB 737-53-1276

SUBTASK 25-52-06-420-004

- (4) Apply the moisture barrier tape, G02304 over the panel edge that is on the floor structure.

NOTE: Use the cap strip to mark the position of the tape. One continuous strip is preferred. However a join in the moisture barrier tape is allowed. Make sure the join has a minimum 2 inch and a maximum 6 inch overlap.

- (a) Do not join or overlap the moisture barrier tape within 6 inches of any cap strip splice plate.

HAP ALL

SUBTASK 25-52-06-420-003

- (5) Install the cap strips [8] and screws [3].

SUBTASK 25-52-06-110-001

CAUTION: DO NOT LET THE SOLVENT TOUCH PLASTICS, CONTROL CABLES, LUBRICATED AREAS, PLASTIC DECALS, OR PAINTED AREAS OR MARKINGS THAT ARE NOT SKYDROL RESISTANT. THE SOLVENT WILL DAMAGE THESE ITEMS.

- (6) Clean the areas where you will apply tape with solvent, B00083.

SUBTASK 25-52-06-160-001

- (7) Apply new tape, G02361 to all the joints, overlaps, and fasteners. Apply the tape with the minimum number of joints in it.

NOTE: Do not apply tape between the sidewall liner and the aft bulkhead liner. The tape at this joint should go from the sidewall liner to the structure behind the bulkhead liner. The bulkhead liner must be removed to apply tape to this joint. In both the forward and aft cargo compartments, the aft bulkhead does not need tape applied to its joints.

- (a) Make sure the tape is within shelf life limits for optimum tape adhesion.
(b) Where possible, apply the tape to warm surfaces that are approximately 60°F (16°C) or higher, to help promote good adhesion.
(c) If it necessary to use short pieces of tape, G02361, make a minimum overlap of 0.5 in. (12.7 mm).
(d) Push the tape, G02361 firmly to make sure there is a good bond.

NOTE: There is a good bond if the surface of the tape is smooth and does not have air bubbles.

SUBTASK 25-52-06-410-001

- (8) If you removed the aft bulkhead liner, then re-install it. To install it, do the applicable task.

These are the tasks:

Forward Cargo Compartment Aft Bulkhead Liner Installation, TASK 25-52-17-400-801,

Aft Cargo Compartment Aft Bulkhead Liner Installation, TASK 25-52-19-400-801.

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HAP 001-013, 015-026, 028-049, 051-053, 101-999

SUBTASK 25-52-06-010-006

(9) If you removed the Aft Sliding Carpet Loading System then re-install it.

- (a) To install the Aft Sliding Carpet Loading System, do this task: Aft Sliding Carpet Loading System - Installation, TASK 25-51-00-400-801

HAP ALL

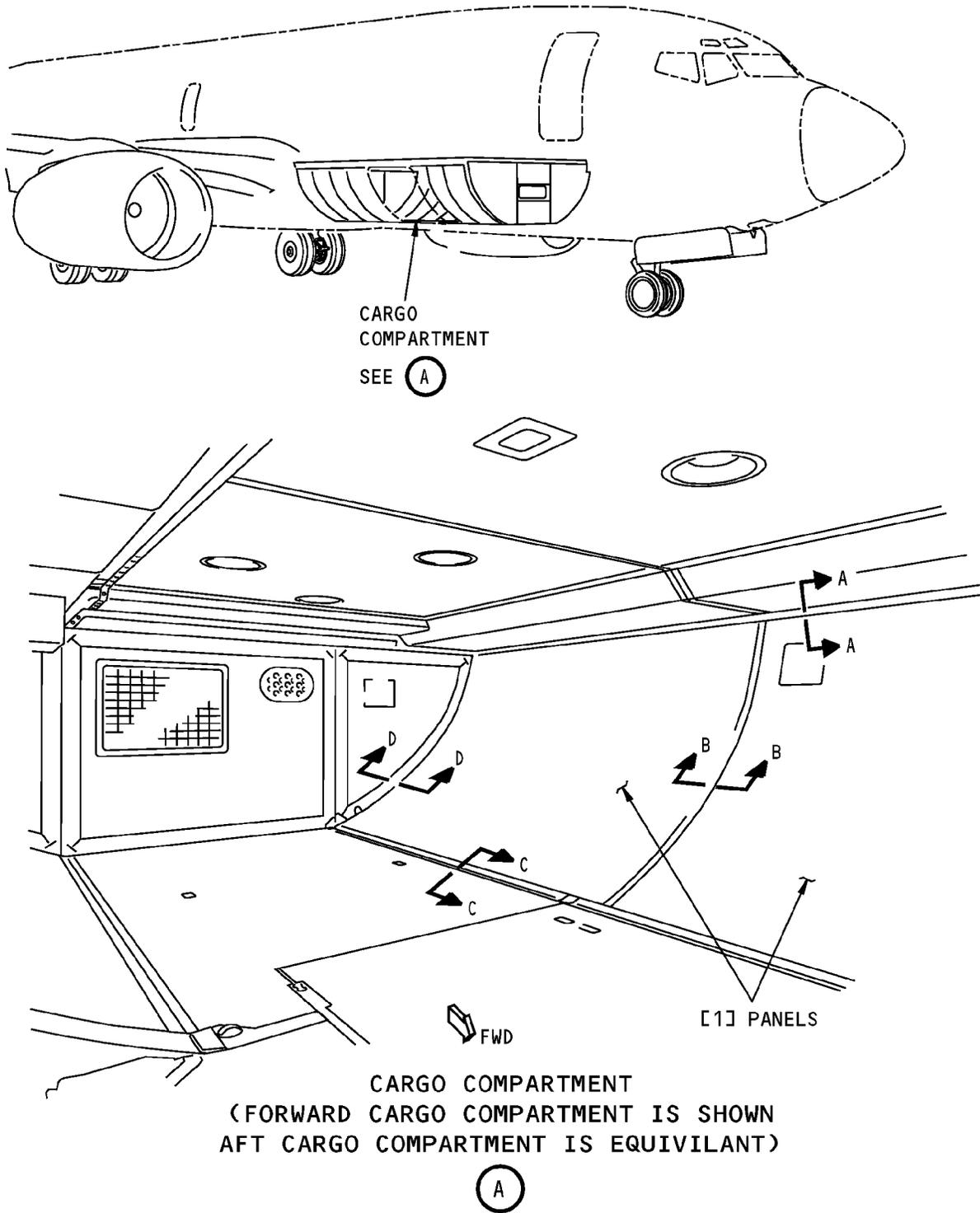
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**Cargo Compartment Sidewall Lining Installation
Figure 401 (Sheet 1 of 3)/25-52-06-990-801**

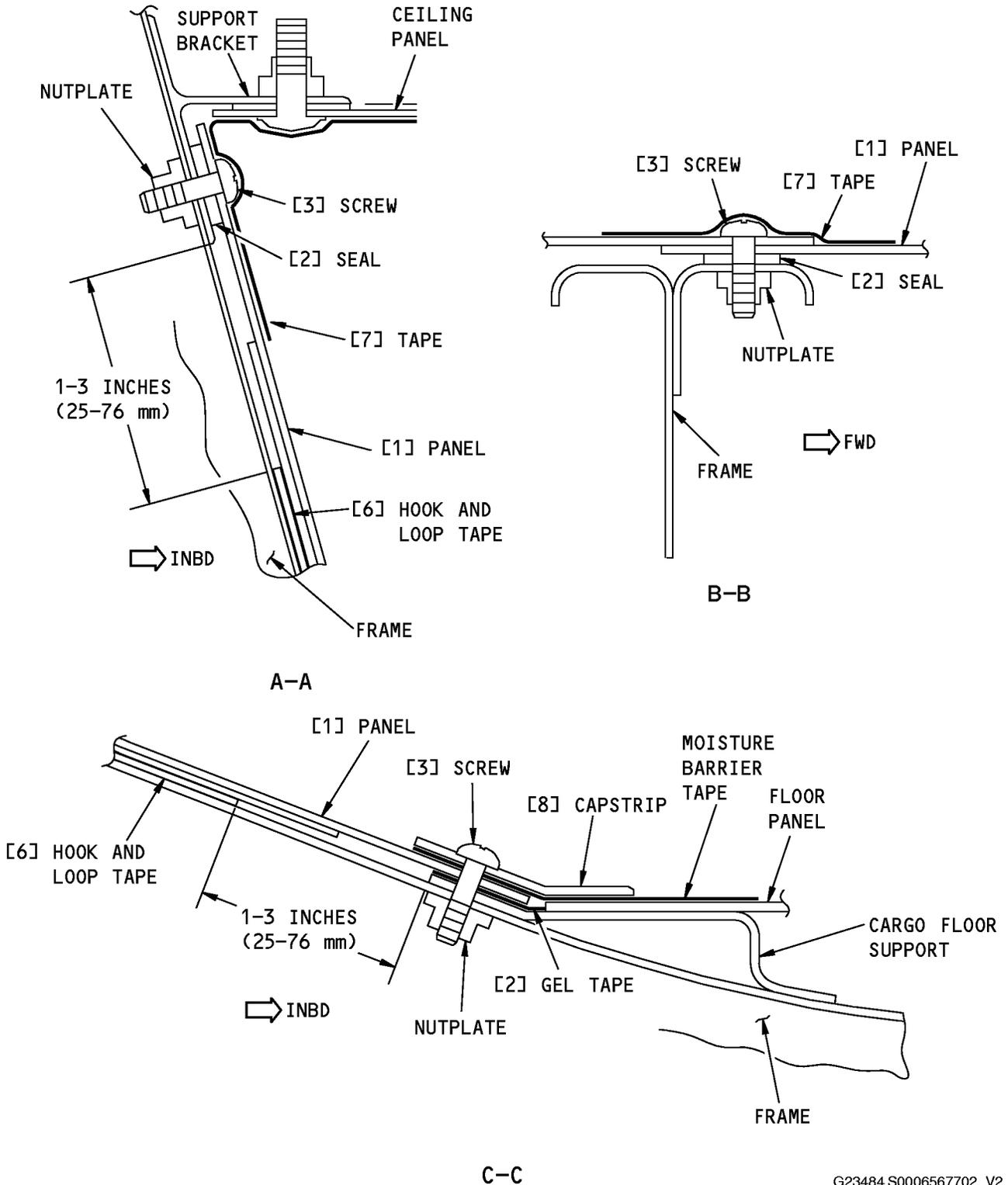
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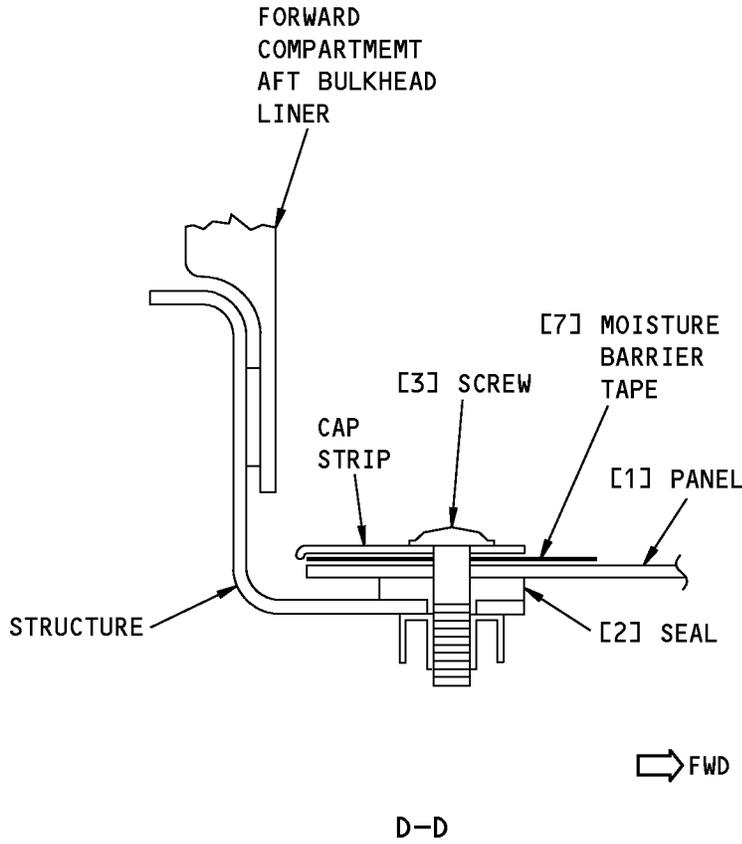
**Cargo Compartment Sidewall Lining Installation
Figure 401 (Sheet 2 of 3)/25-52-06-990-801**

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**Cargo Compartment Sidewall Lining Installation
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CARGO COMPARTMENT CEILING LINER - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) A removal of the ceiling liner from the forward or aft cargo compartment,
- (2) An installation of the ceiling liner in the forward or aft cargo compartment.

B. This procedure refers to the ceiling liners in the forward, aft, and bulk cargo compartments as the liners.

TASK 25-52-09-000-801

2. Cargo Compartment Ceiling Liner Removal

(Figure 401)

A. References

Reference	Title
21-32-05-000-801	Ceiling Blowout Panel Removal (P/B 401)

B. Consumable Materials

Reference	Description	Specification
G02360	Tape - Hook/Loop Fastener (Polypropylene Hook & Nylon Loop)	BMS 8-285, Type IV
G02361	Tape - Cargo Lining Joint Seal	BMS5-146

C. Location Zones

Zone	Area
100	Lower Half of Fuselage
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

D. Procedure

SUBTASK 25-52-09-020-001

- (1) Remove and discard the tape, G02361 around the edges of the liner.

SUBTASK 25-52-09-020-006

- (2) Do this task: Ceiling Blowout Panel Removal, TASK 21-32-05-000-801.

SUBTASK 25-52-09-020-002

- (3) Do the steps that follow to remove these parts from the liner:

- (a) Remove the screws [7] that attach the net fitting shroud [6] to the liner and remove the shroud [6].
- (b) Remove the screws [4] that attach the ring [5] for the ceiling light to the liner and remove the ring [5].
- (c) Remove the screws that attach the smoke detector shroud to the liner and remove the shroud.

SUBTASK 25-52-09-020-003

- (4) Remove the screws that hold the liner [1] to the support structure .

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SUBTASK 25-52-09-020-005

I (5) Carefully move apart the tape, G02360 (BMS 8-285) from the upper surface of the liner [1].

SUBTASK 25-52-09-020-004

I (6) Remove the liner [1].

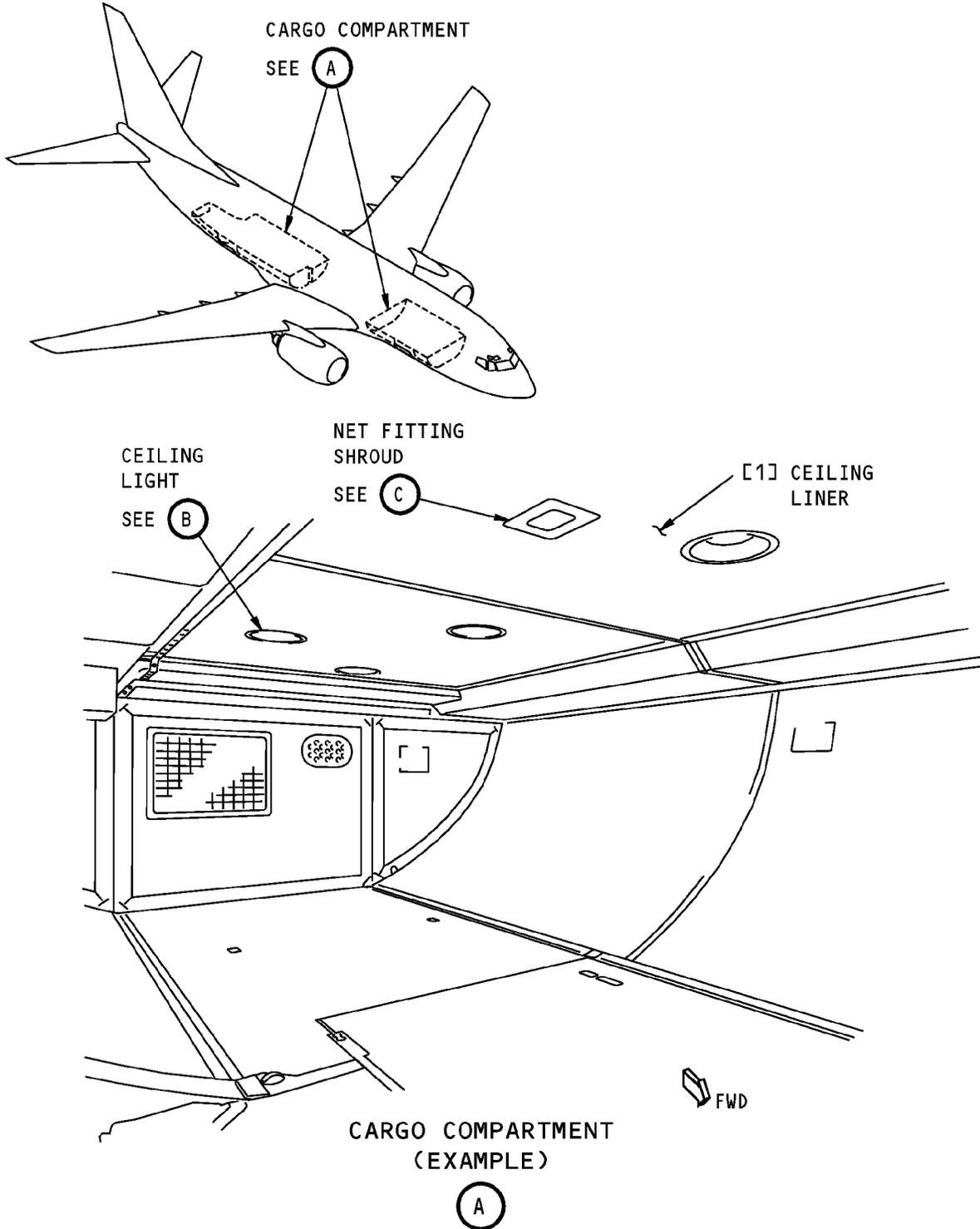
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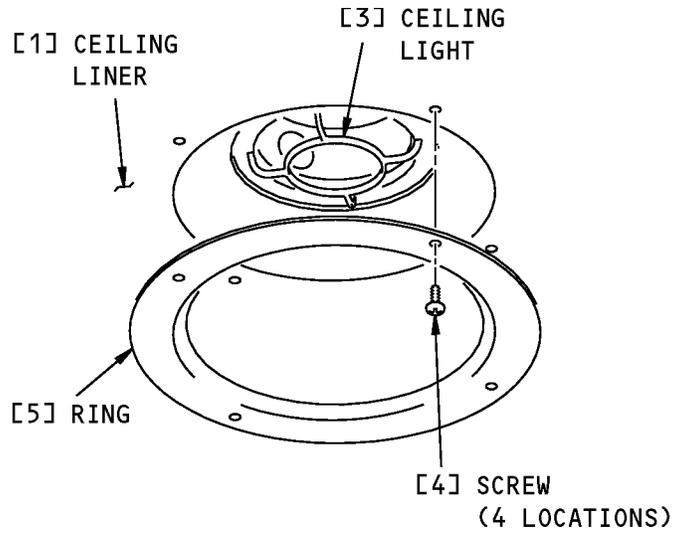


Ceiling Liner Installation
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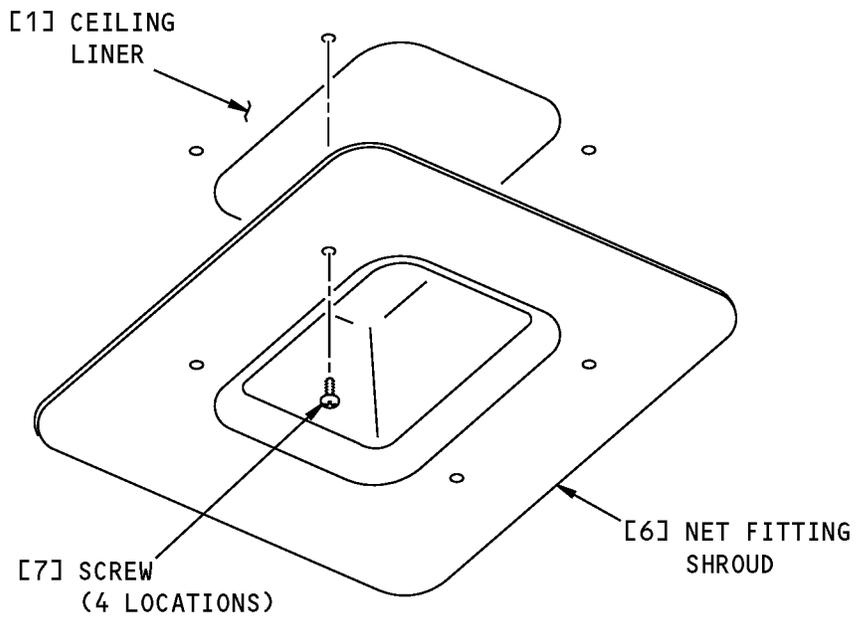
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CEILING LIGHT

B



NET FITTING SHROUD

C

Ceiling Liner Installation
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TASK 25-52-09-400-801

3. Cargo Compartment Ceiling Liner - Installation

(Figure 401)

A. References

Reference	Title
21-32-05-400-801	Ceiling Blowout Panel Installation (P/B 401)

B. Consumable Materials

Reference	Description	Specification
B00083	Solvent - Aliphatic Naphtha (For Acrylic Plastics)	TT-N-95 Type II, ASTM D-3735 Type III
G02186	Seal - Closed Cell Silicone Foam Rubber, Hydraulic Fluid Resistant	BMS1-68, Form III
G02360	Tape - Hook/Loop Fastener (Polypropylene Hook & Nylon Loop)	BMS 8-285, Type IV
G02361	Tape - Cargo Lining Joint Seal	BMS5-146

C. Location Zones

Zone	Area
100	Lower Half of Fuselage
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

D. Ceiling Liner Installation

SUBTASK 25-52-09-210-001

(1) Examine the seal, G02186 between the liner [1] and the support structure.

SUBTASK 25-52-09-960-001

(2) Replace the rubber seals if it is necessary.

SUBTASK 25-52-09-420-001

(3) Put the liner [1] in its position.

SUBTASK 25-52-09-430-001

(4) Put pressure on the liner [1] in the areas of the tape, G02360 (BMS 8-285) to make sure it is fully attached.

SUBTASK 25-52-09-420-002

(5) Install the screws to attach the liner [1] to the support structure.

SUBTASK 25-52-09-420-003

(6) Do the applicable steps that follow to attach the other parts that you removed:

(a) Put the ring [5] for the light in its position and install the screws [4] that attach it to the ceiling light.

(b) Put the net fitting shroud [6] in its position and install its screws [7].

(c) Put the smoke detector shroud in its position and install the screws.

SUBTASK 25-52-09-420-005

(7) Do this task: Ceiling Blowout Panel Installation, TASK 21-32-05-400-801.

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SUBTASK 25-52-09-110-001

CAUTION: DO NOT LET THE SOLVENT TOUCH PLASTICS, CONTROL CABLES, LUBRICATED AREAS, PLASTIC DECALS, OR PAINTED AREAS OR MARKINGS THAT ARE NOT SKYDROL RESISTANT. THE SOLVENT WILL DAMAGE THESE ITEMS.

(8) Clean the areas where you will apply tape with solvent, B00083.

SUBTASK 25-52-09-420-004

(9) Apply the new tape, G02361 on the screws and edges of the liners and the smoke detector shroud. Apply the tape with the minimum number of joints in it.

NOTE: Do not apply tape between the ceiling liner and the aft bulkhead liner. The tape at this joint should be only on the ceiling liner. In both the forward and aft cargo compartments, the aft bulkhead does not need tape applied to its joints.

- (a) Make sure the tape is within shelf life limits for optimum tape adhesion.
- (b) Where possible, apply the tape to warm surfaces that are approximately 60°F (16°C) or higher, to help promote good adhesion.
- (c) If it is necessary to use short pieces of tape, G02361, make a minimum overlap of 0.50 in. (12.70 mm).
- (d) Push the tape, G02361 firmly to make sure there is a good bond.

NOTE: There is a good bond if the surface of the tape is smooth and does not have air bubbles.

————— **END OF TASK** —————

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CARGO FLOOR PANEL - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) Cargo Floor Panel Removal,
- (2) Cargo Floor Panel Installation.

TASK 25-52-10-000-801

2. Cargo Floor Panel Removal

(Figure 401)

A. General

- (1) This task is for the forward cargo compartment and the aft cargo compartment.

B. References

Reference	Title
25-51-00-000-801	Aft Sliding Carpet Loading System - Removal (P/B 401)

C. Location Zones

Zone	Area
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

D. Floor Panel Removal

HAP 001-013, 015-026, 028-049, 051-053, 101-999

SUBTASK 25-52-10-010-004

- (1) Remove the Aft Sliding Carpet Loading System if necessary.
 - (a) To remove the Aft Sliding Carpet Loading System, do this task: Aft Sliding Carpet Loading System - Removal, TASK 25-51-00-000-801

HAP ALL

SUBTASK 25-52-10-020-001

- (2) Remove the screws and bolts that attach the splice plates, cap strips, tiedowns, and floor panel to the support structure.

NOTE: The bolts in different locations are of different lengths. Make a note of the location of the bolts.

SUBTASK 25-52-10-020-002

- (3) Remove the floor panel.

————— **END OF TASK** —————

TASK 25-52-10-400-801

3. Cargo Floor Panel Installation

(Figure 401)

A. General

- (1) This task is for the forward cargo compartment and the aft cargo compartment.

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B. References

Reference	Title
25-51-00-400-801	Aft Sliding Carpet Loading System - Installation (P/B 401)

C. Consumable Materials

Reference	Description	Specification
A00247	Sealant - Pressure And Environmental - Chromate Type	BMS 5-95
B00083	Solvent - Aliphatic Naphtha (For Acrylic Plastics)	TT-N-95 Type II, ASTM D-3735 Type III
B00184	Solvent - Presealing, Cleaning Solvent	BMS11-7
B00666	Solvent - Methyl Propyl Ketone	BMS 11-9
G00009	Compound - Organic Corrosion Inhibiting	BMS3-23
G02304	Tape - Moisture Barrier	BMS8-346
G02361	Tape - Cargo Lining Joint Seal	BMS5-146
G50734	Tape - Flame Retardant Hi-Tak (Av-DEC - HI-TAK HT3935-7FR-XXX)	

D. Location Zones

Zone	Area
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

E. Floor Panel Installation

SUBTASK 25-52-10-210-001

(1) Make sure the HI-TAK Tape, G50734, on the floor support structure is in good condition.

SUBTASK 25-52-10-210-003

(2) Make sure that there is no tape on the floor panel.

SUBTASK 25-52-10-960-001

(3) If it is necessary to remove the tape, do this step:

- (a) Use a plastic scraper and one of these materials solvent, B00184 (BMS11-7), solvent, B00666 (BMS11-9), or solvent, B00083, to remove any dirt, adhesive or grease from the floor panel.

HAP 031-054, 101-999; HAP 001-013, 015-026, 028-030 POST SB 737-26-1121

SUBTASK 25-52-10-210-002

(4) For the forward cargo compartment, make sure the HI-TAK Tape, G50734, between the cap strips and below the splice plate is in good condition.

SUBTASK 25-52-10-960-002

(5) If it is necessary to replace the tape, do the steps that follow:

- (a) Remove the tape from the floor panel.
- (b) Use a plastic scraper and one of these materials solvent, B00184 (BMS11-7), solvent, B00666 (BMS11-9), or solvent, B00083, to remove any dirt, adhesive or grease from the floor panel.

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HAP 031-054, 101-999; HAP 001-013, 015-026, 028-030 POST SB 737-26-1121 (Continued)

- (c) Install the HI-TAK Tape, G50734, to cover the inboard gap between the cap strips.

HAP ALL

SUBTASK 25-52-10-420-004

- (6) Apply corrosion inhibiting compound, G00009 (BMS3-23) to the airplane structure where you will install the floor panel.

SUBTASK 25-52-10-420-005

- (7) Install the HI-TAK Tape, G50734 and the gasket to the airplane structure where you will install the floor panel if it is necessary.

SUBTASK 25-52-10-420-008

- (8) Put the floor panel in its correct position.

HAP 037-054, 101-999; HAP 001-013, 015-026, 028-036 POST SB 737-53-1276

SUBTASK 25-52-10-420-007

- (9) Apply the moisture barrier tape, G02304 (BMS8-346) on the part of the floor panel that touches the cargo sidewall liner.

- (a) Make sure that the tape extends 1.5 in. (38.1 mm) to 2.5 in. (63.5 mm) past the centerline of the splice plate or cap strip.

HAP 031-054, 101-999; HAP 001-013, 015-026, 028-030 POST SB 737-26-1121

SUBTASK 25-52-10-820-002

- (10) Put the cap strips, two splice plates and tiedowns in the correct locations.

SUBTASK 25-52-10-420-003

- (11) Apply sealant, A00247 (BMS5-95) between the forward cargo bulkhead and floor panels under the cap strips.

HAP ALL

SUBTASK 25-52-10-420-002

- (12) Apply sealant, A00247 (BMS5-95) on all areas of the floor panel that may permit leakage.

SUBTASK 25-52-10-420-001

- (13) Apply sealant, A00247 (BMS5-95) on the screws and bolts and install the screws and bolts while the sealant is wet if it is necessary.

SUBTASK 25-52-10-420-006

- (14) Apply tape, G02361 (BMS5-146) to cover all joints, seams, and panel edges of the floor panel.

HAP 001-013, 015-026, 028-049, 051-053, 101-999

SUBTASK 25-52-10-010-006

- (15) Install the Aft Sliding Carpet Loading System if necessary.

- (a) To install the Aft Sliding Carpet Loading System, do this task: Aft Sliding Carpet Loading System - Installation, TASK 25-51-00-400-801

HAP ALL

————— END OF TASK —————

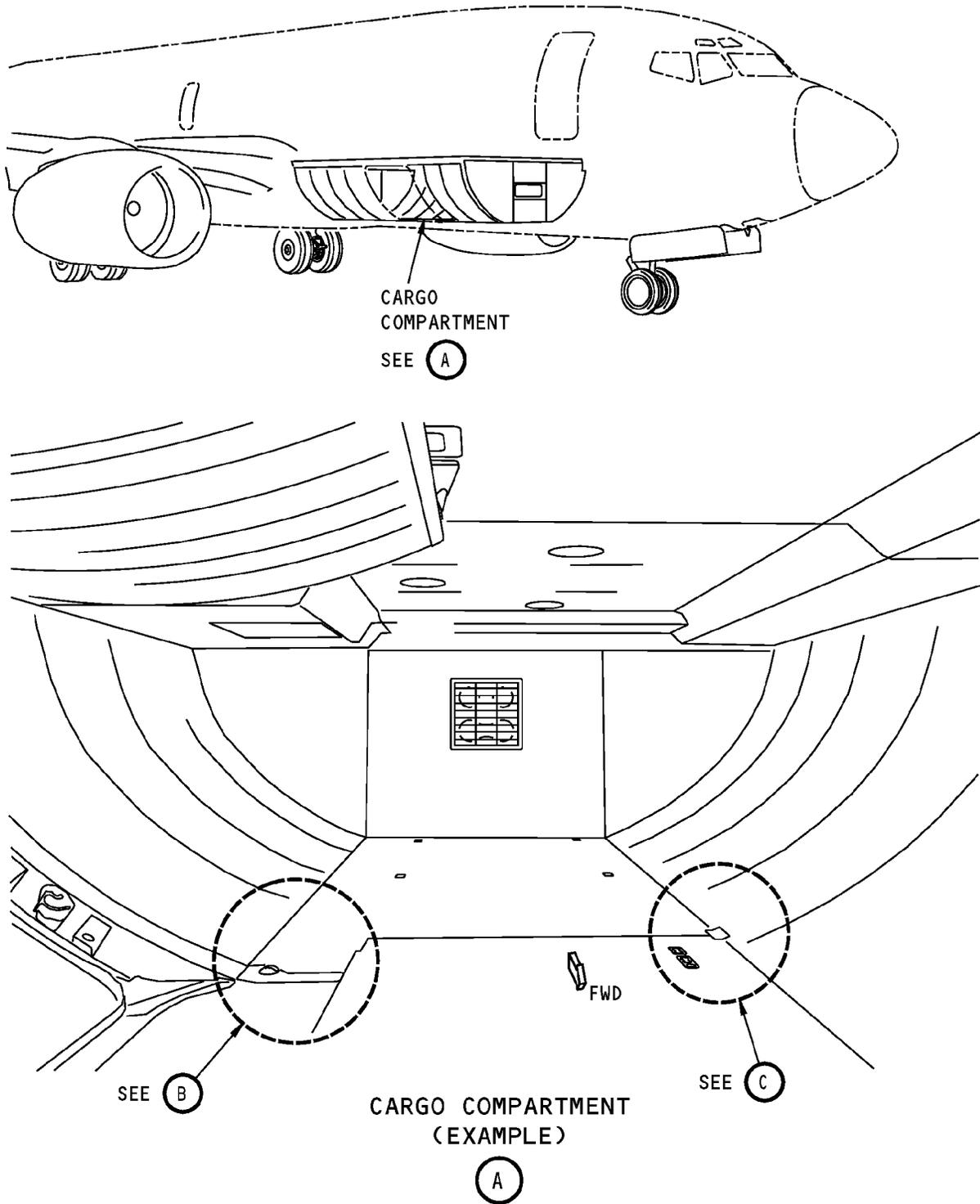
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**Floor Panels and Walkways Installation
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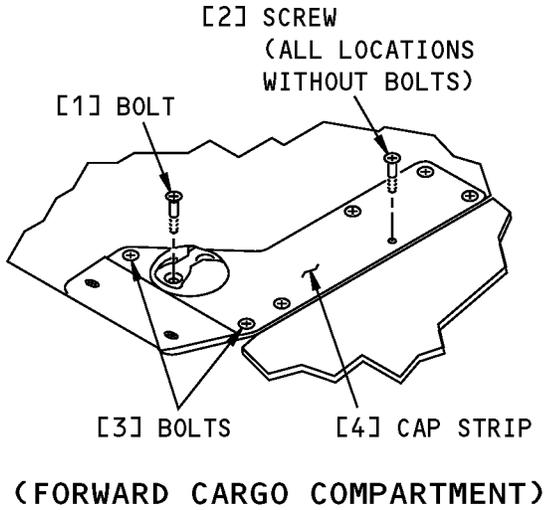
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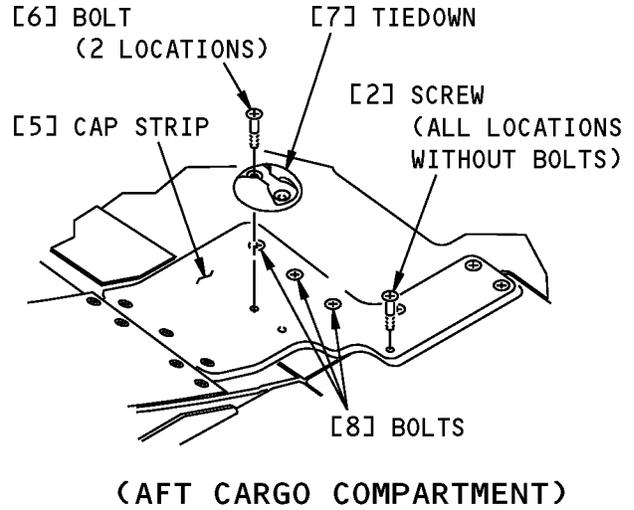
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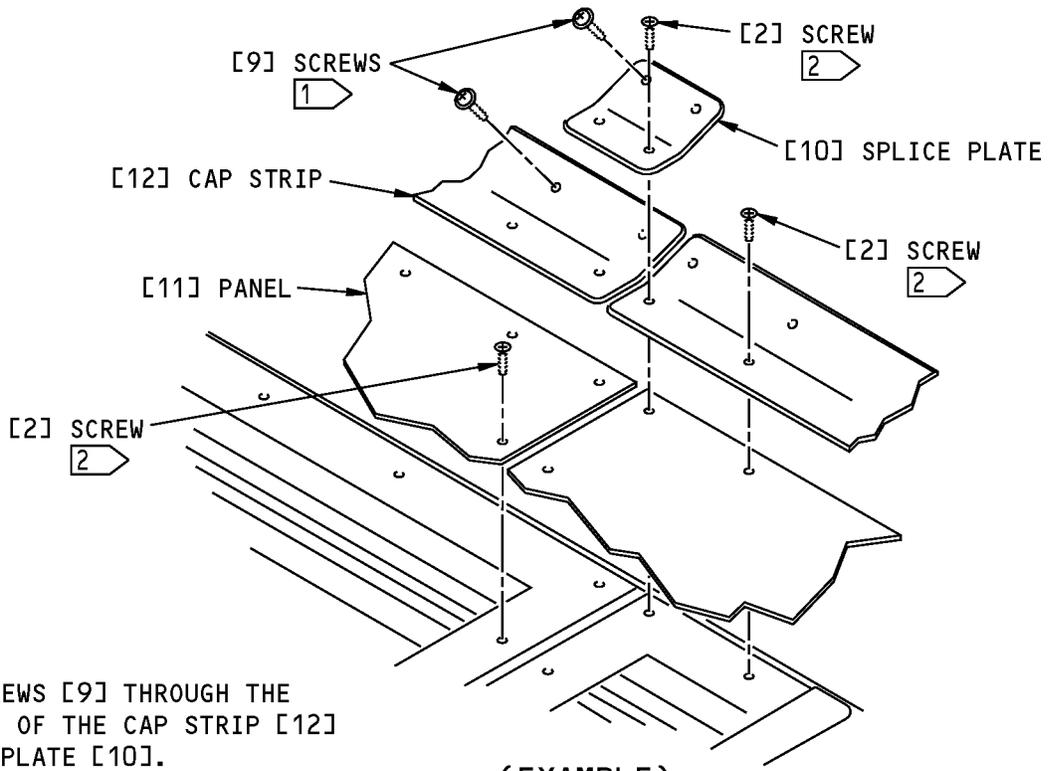
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(B)



(B)



(C)

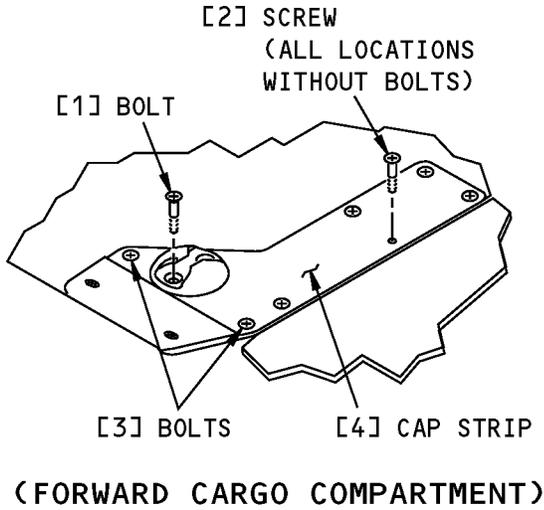
- 1 INSTALL SCREWS [9] THROUGH THE ANGLED PART OF THE CAP STRIP [12] AND SPLICE PLATE [10].
- 2 INSTALL THE SCREWS [2] IN ALL HOLES THAT ARE NOT SPECIFIED OTHERWISE.

Floor Panels and Walkways Installation
Figure 401 (Sheet 2 of 4)/25-52-10-990-801

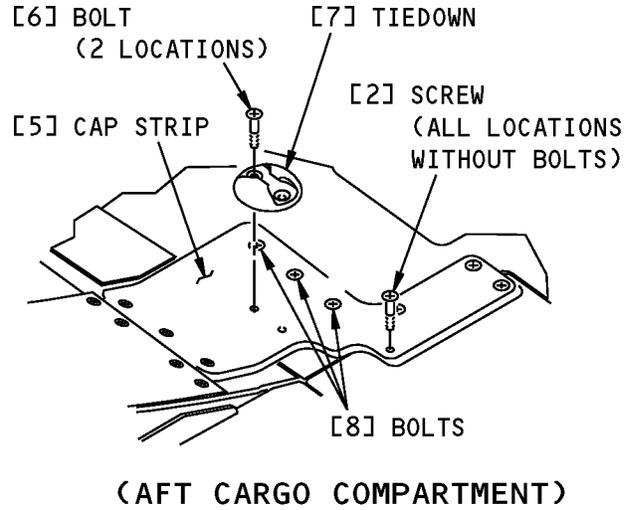
EFFECTIVITY
 HAP 001-013, 015-026, 028-030 PRE SB 737-26-1121

25-52-10

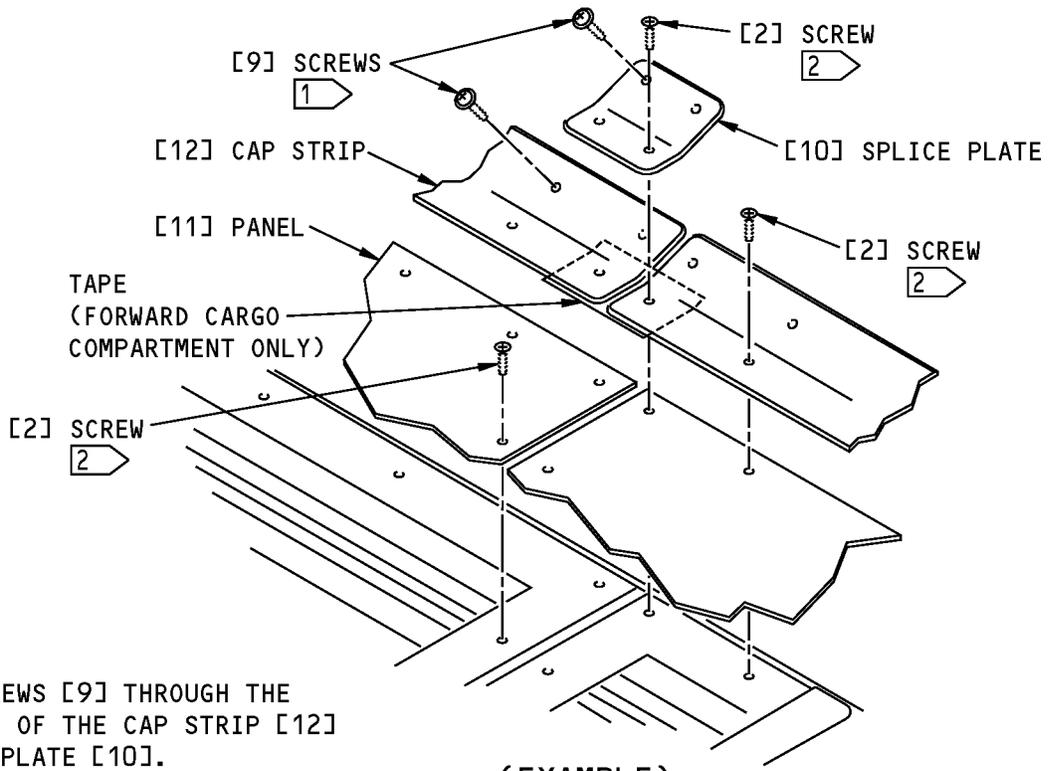
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(B)



(B)



(C)

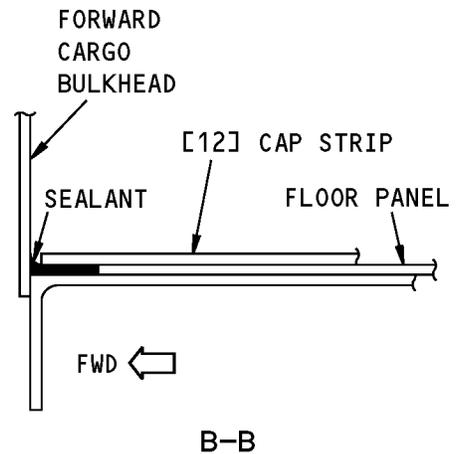
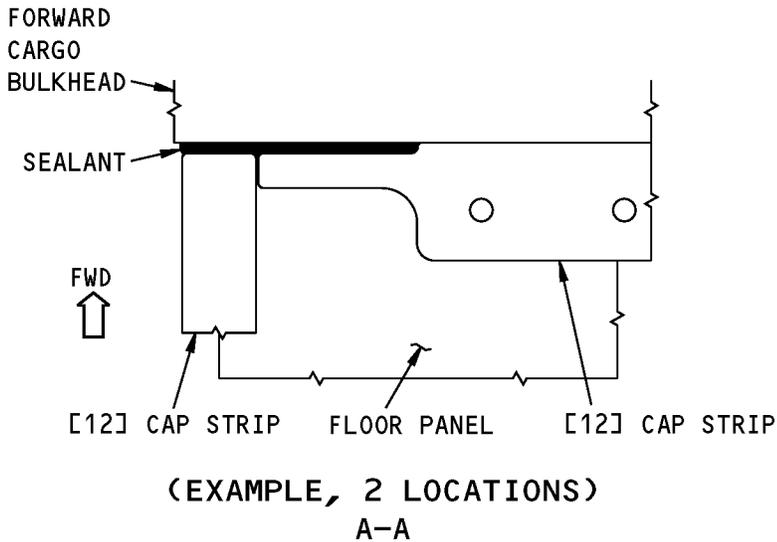
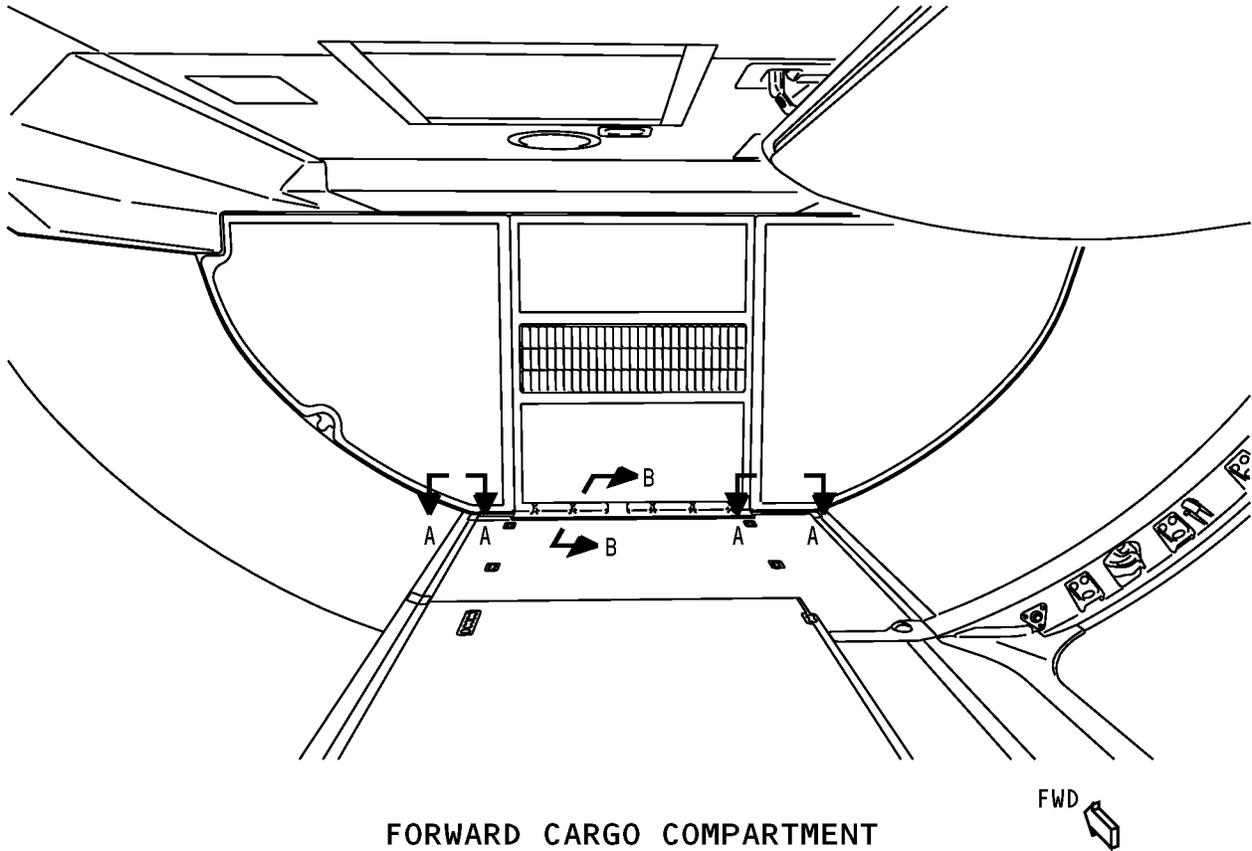
- 1 INSTALL SCREWS [9] THROUGH THE ANGLED PART OF THE CAP STRIP [12] AND SPLICE PLATE [10].
- 2 INSTALL THE SCREWS [2] IN ALL HOLES THAT ARE NOT SPECIFIED OTHERWISE.

Floor Panels and Walkways Installation
Figure 401 (Sheet 3 of 4)/25-52-10-990-801

EFFECTIVITY
HAP 031-054, 101-999; HAP 001-013, 015-026, 028-030 POST
SB 737-26-1121

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**Floor Panels and Walkways Installation
Figure 401 (Sheet 4 of 4)/25-52-10-990-801**

EFFECTIVITY
HAP 031-054, 101-999; HAP 001-013, 015-026, 028-030 POST
SB 737-26-1121

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CARGO COMPARTMENT NET - REMOVAL/INSTALLATION

1. General

- A. This procedure has these tasks:
(1) Cargo Compartment Net Removal.
(2) Cargo Compartment Net Installation.

TASK 25-52-12-020-801

2. Cargo Compartment Net Removal

(Figure 401)

A. References

Table with 2 columns: Reference, Title. Rows include 52-31-00-580-801 (Open the Cargo Door) and 52-31-00-580-802 (Close the Cargo Door).

B. Location Zones

Table with 2 columns: Zone, Area. Rows include 100 (Lower Half of Fuselage), 121 (Forward Cargo Compartment - Left), 122 (Forward Cargo Compartment - Right), 141 (Aft Cargo Compartment - Left), 142 (Aft Cargo Compartment - Right).

C. Remove the Cargo Compartment Net

SUBTASK 25-52-12-010-001

- (1) Open the cargo door, do this task: Open the Cargo Door, TASK 52-31-00-580-801.

SUBTASK 25-52-12-030-002

- (2) Disengage the net strap buckles to release it from the O-rings on the cargo compartment net.

SUBTASK 25-52-12-030-001

- (3) Loosen the adjustable net straps to release the tension in the net straps, if necessary.

SUBTASK 25-52-12-030-003

- (4) Disconnect the tiedown fittings from the floor attachment anchor plates in the floor and the sidewall.

SUBTASK 25-52-12-030-004

- (5) Disconnect the tiedown fittings from the ceiling attachment anchor plates in the ceiling.

SUBTASK 25-52-12-020-001

- (6) Remove the cargo compartment nets.

SUBTASK 25-52-12-410-001

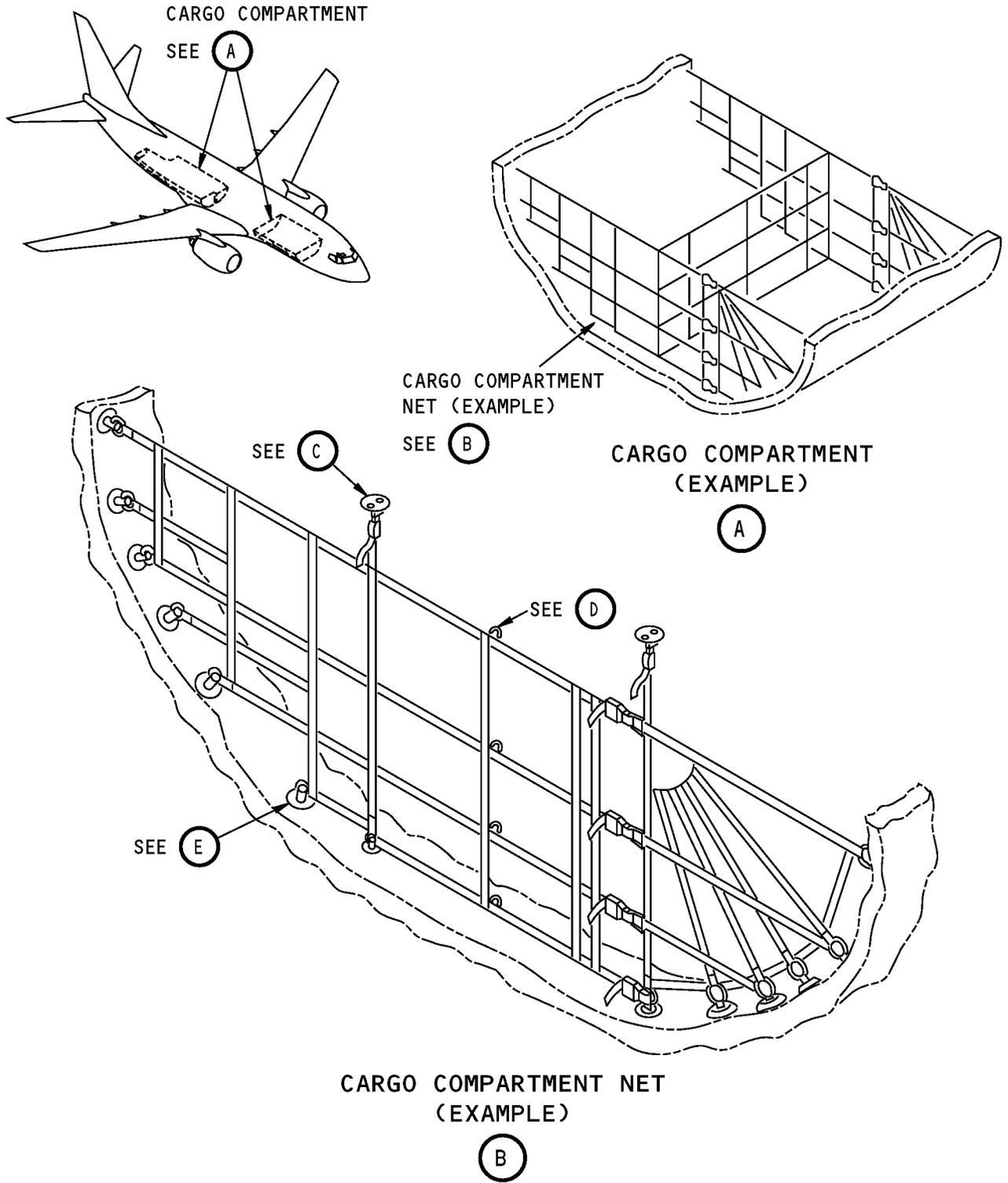
- (7) If necessary, close the cargo door, do this task: Close the Cargo Door, TASK 52-31-00-580-802.

END OF TASK

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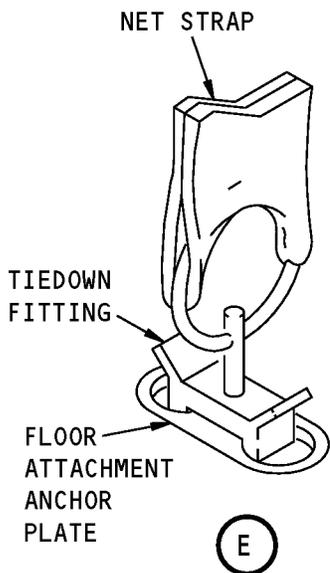
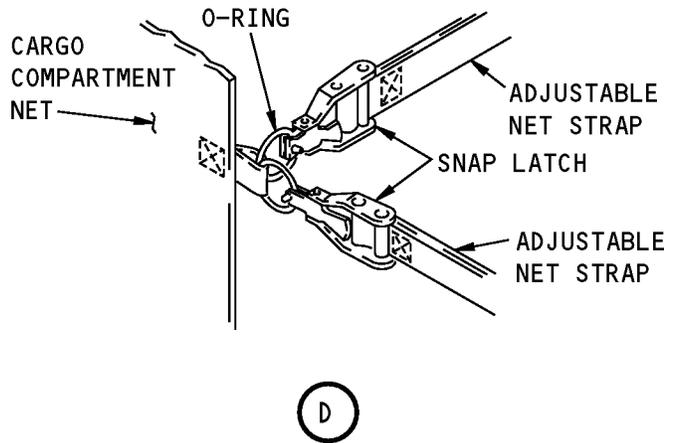
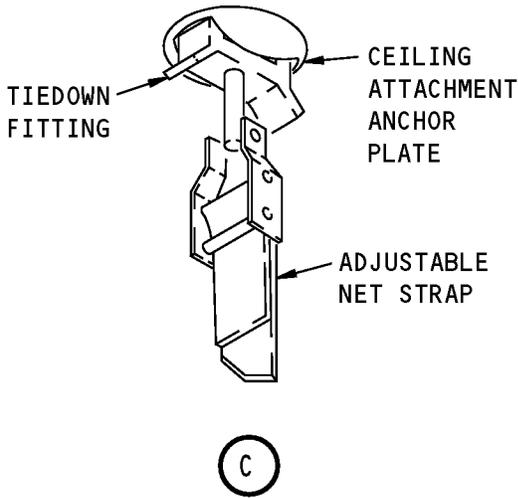
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Cargo Compartment Net Installation
Figure 401 (Sheet 1 of 2)/25-52-12-990-801

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Cargo Compartment Net Installation
Figure 401 (Sheet 2 of 2)/25-52-12-990-801

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TASK 25-52-12-420-801

3. Cargo Compartment Net Installation

(Figure 401)

A. References

Reference	Title
52-31-00-580-801	Open the Cargo Door (P/B 201)
52-31-00-580-802	Close the Cargo Door (P/B 201)

B. Location Zones

Zone	Area
100	Lower Half of Fuselage
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

C. Install the Cargo Compartment Net

SUBTASK 25-52-12-010-003

(1) To open the cargo door, do this task: Open the Cargo Door, TASK 52-31-00-580-801.

SUBTASK 25-52-12-430-001

(2) Connect the tiedown fittings to the ceiling attachment anchor plates in the ceiling.

SUBTASK 25-52-12-430-002

(3) Connect the tiedown fittings to the floor attachment anchor plates in the sidewall and the floor.

SUBTASK 25-52-12-430-003

(4) Connect the net strap buckles to the O-rings on the cargo compartment net.

SUBTASK 25-52-12-430-004

(5) Tighten the adjustable net straps to increase the tension in the net straps.

SUBTASK 25-52-12-410-002

(6) Close the cargo door, do this task: Close the Cargo Door, TASK 52-31-00-580-802.

————— END OF TASK —————

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FORWARD CARGO COMPARTMENT FORWARD BULKHEAD LINER - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) Forward Cargo Compartment Forward Bulkhead Liner Removal,
- (2) Forward Cargo Compartment Forward Bulkhead Liner Installation.

TASK 25-52-16-000-801

2. Forward Cargo Compartment Forward Bulkhead Liner Removal

(Figure 401)

A. Location Zones

Zone	Area
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right

B. Procedure

SUBTASK 25-52-16-020-001

- (1) Release the 1/4 turn fasteners that are around the edges of the bulkhead liner [1].

SUBTASK 25-52-16-020-002

- (2) Remove the liner [1].

NOTE: Make sure the foam seals are attached to the airplane structure when you remove the liner.

SUBTASK 25-52-16-020-003

- (3) Release the 1/4 turn fasteners that are around the edges of the pressure relief panel [2].

SUBTASK 25-52-16-020-004

- (4) Remove the pressure relief panel [2].

NOTE: Make sure the foam seals are attached to the airplane structure when you remove the panel.

————— **END OF TASK** —————

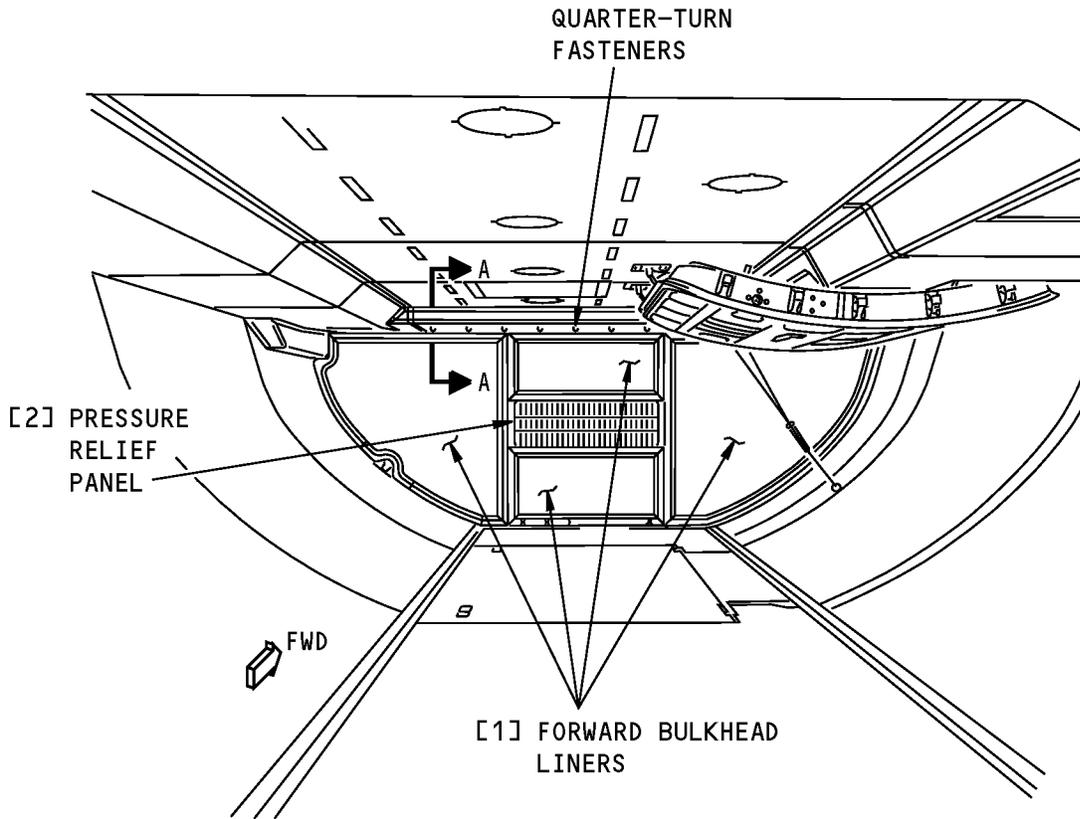
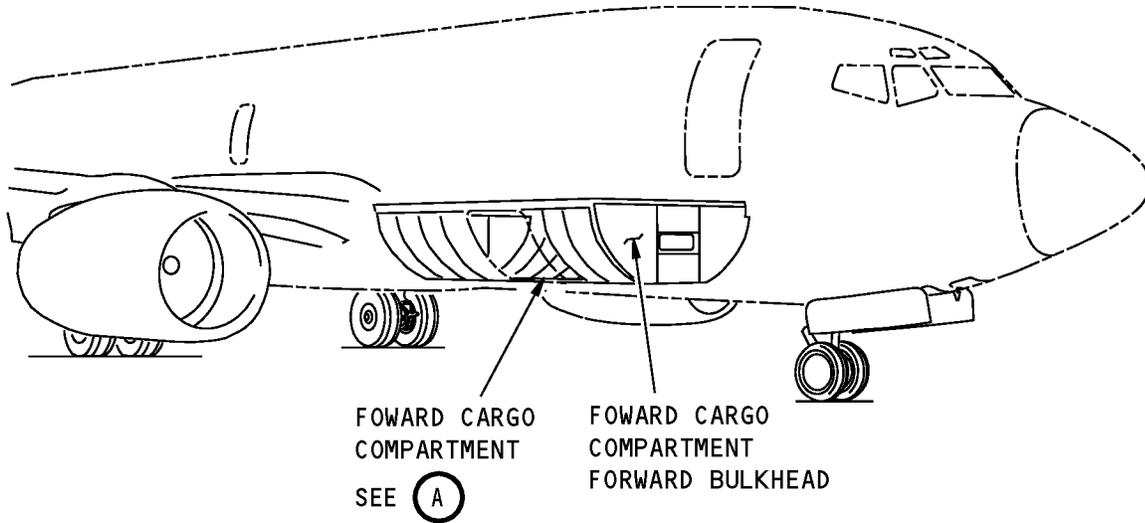
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FORWARD CARGO COMPARTMENT

(A)

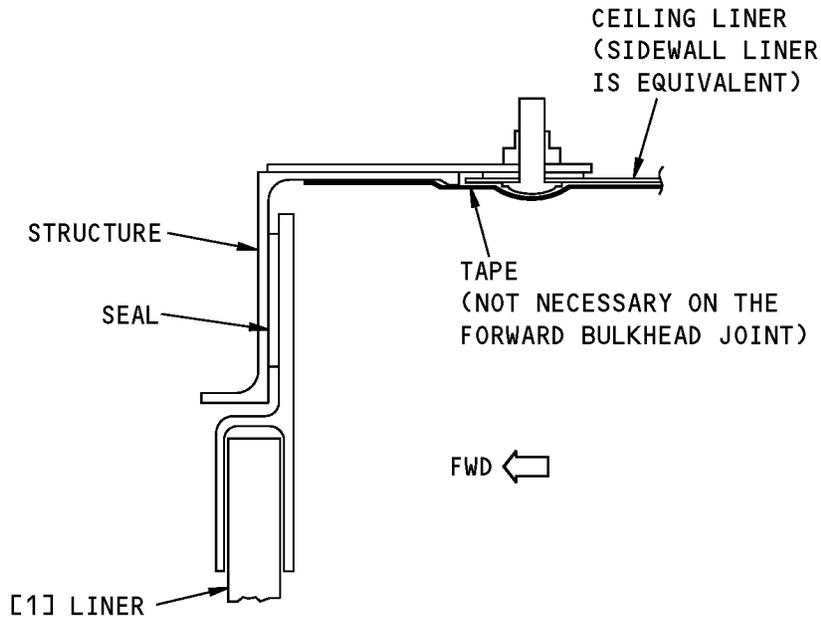
**Forward Cargo Compartment Forward Bulkhead Liner Installation
Figure 401 (Sheet 1 of 2)/25-52-16-990-801**

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**BULKHEAD EDGE JOINT
(EXAMPLE)
A-A**

**Forward Cargo Compartment Forward Bulkhead Liner Installation
Figure 401 (Sheet 2 of 2)/25-52-16-990-801**

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TASK 25-52-16-400-801

3. Forward Cargo Compartment Forward Bulkhead Liner Installation

(Figure 401)

A. Consumable Materials

Reference	Description	Specification
G02186	Seal - Closed Cell Silicone Foam Rubber, Hydraulic Fluid Resistant	BMS1-68, Form III

B. Location Zones

Zone	Area
121	Forward Cargo Compartment - Left
122	Forward Cargo Compartment - Right

C. Procedure

SUBTASK 25-52-16-210-001

(1) Examine the seal, G02186, on the airplane structure.

(a) Replace the foam seals if they are damaged or missing.

NOTE: The foam seal must be continuous around all the edges of the opening for the liner.

SUBTASK 25-52-16-420-001

(2) Put the pressure relief panel [2] in its position.

SUBTASK 25-52-16-420-002

(3) Lock the 1/4 turn fasteners that are around the edges of the pressure relief panel [2].

SUBTASK 25-52-16-420-003

(4) Put the liner [1] in its position.

SUBTASK 25-52-16-420-004

(5) Lock the 1/4 turn fasteners that are around the edges of the liner [1].

NOTE: You do not need to apply tape to seal this liner.

————— **END OF TASK** —————

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FORWARD CARGO COMPARTMENT AFT BULKHEAD LINER - REMOVAL/INSTALLATION

1. General

A. This procedure contains two tasks:

- (1) Forward Cargo Compartment Aft Bulkhead Liner Removal,
- (2) Forward Cargo Compartment Aft Bulkhead Liner Installation.

TASK 25-52-17-000-801

2. Forward Cargo Compartment Aft Bulkhead Liner Removal

(Figure 401)

A. Location Zones

Zone	Area
125	Air Conditioning Distribution Bay - Left
126	Air Conditioning Distribution Bay - Right

B. Procedure

SUBTASK 25-52-17-020-001

- (1) Release the 1/4 turn fasteners that are around the edges of the bulkhead.

SUBTASK 25-52-17-020-002

- (2) Remove the lining.

NOTE: Make sure the foam seals are attached to the structure when you remove the lining.

————— **END OF TASK** —————

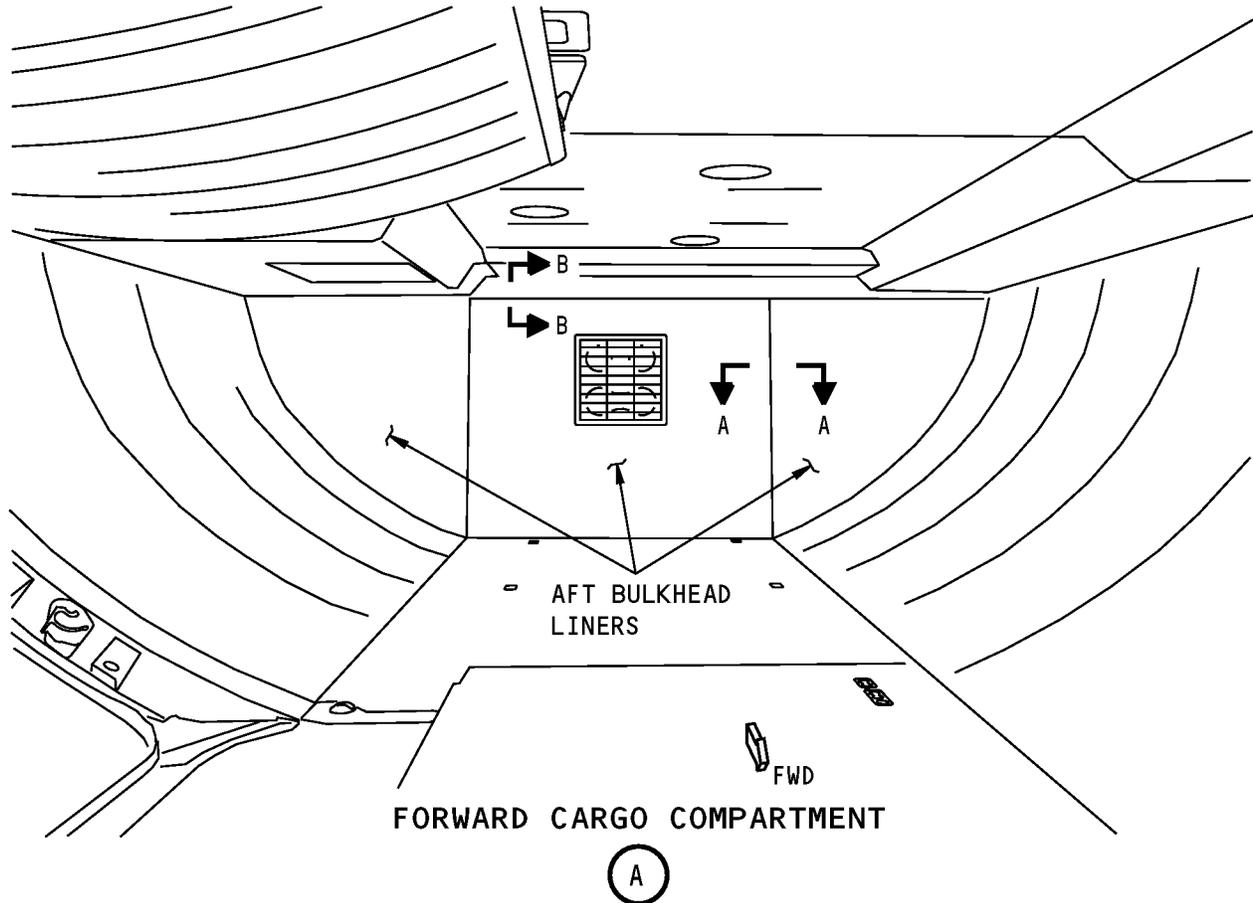
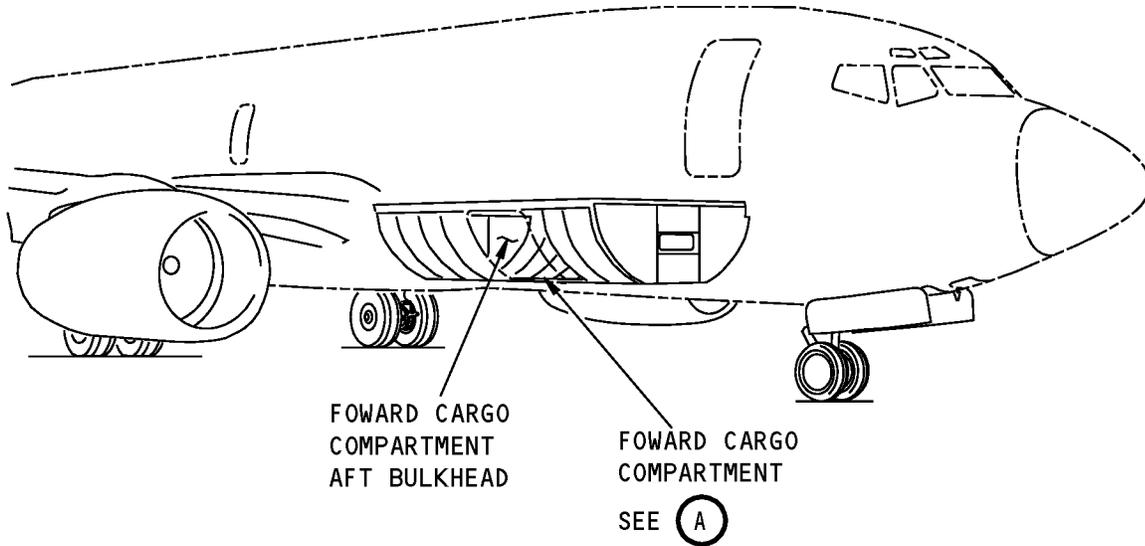
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**Forward Cargo Compartment Aft Bulkhead Liner Installation
Figure 401 (Sheet 1 of 2)/25-52-17-990-801**

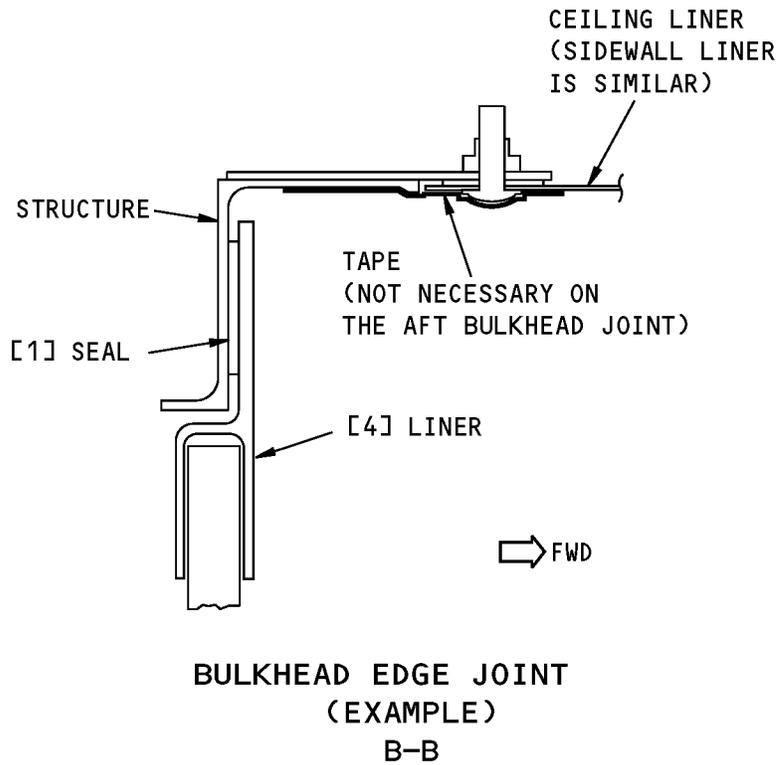
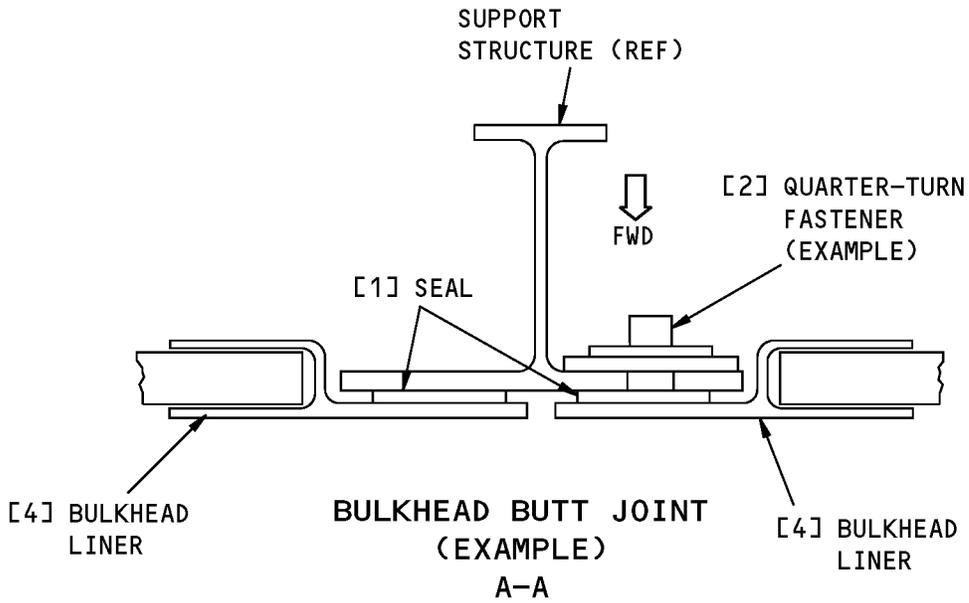
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**Forward Cargo Compartment Aft Bulkhead Liner Installation
Figure 401 (Sheet 2 of 2)/25-52-17-990-801**

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TASK 25-52-17-400-801

3. Forward Cargo Compartment Aft Bulkhead Liner Installation

(Figure 401)

A. Consumable Materials

Reference	Description	Specification
G02186	Seal - Closed Cell Silicone Foam Rubber, Hydraulic Fluid Resistant	BMS1-68, Form III

B. Location Zones

Zone	Area
125	Air Conditioning Distribution Bay - Left
126	Air Conditioning Distribution Bay - Right

C. Procedure

SUBTASK 25-52-17-210-001

(1) Examine the seal, G02186, on the structure.

(a) Replace the foam seals if they are damaged or missing.

NOTE: The foam seal must be continuous around all the edges of the opening for the liner.

SUBTASK 25-52-17-420-001

(2) Put the liner in its position.

SUBTASK 25-52-17-420-002

(3) Lock the quarter-turn fasteners that are around the edge of the liner.

NOTE: You do not need to apply tape to seal this liner.

————— **END OF TASK** —————

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AFT CARGO COMPARTMENT FORWARD BULKHEAD LINER - REMOVAL/INSTALLATION

1. General

- A. This procedure contains the following tasks:
 - (1) Aft Cargo Compartment Forward Bulkhead Liner Removal,
 - (2) Aft Cargo Compartment Forward Bulkhead Liner Installation.

TASK 25-52-18-000-801

2. Aft Cargo Compartment Forward Bulkhead Liner Removal

(Figure 401)

A. Consumable Materials

Reference	Description	Specification
G02361	Tape - Cargo Lining Joint Seal	BMS5-146

B. Location Zones

Zone	Area
145	Aft Cargo Compartment Equipment Bay - Left

C. Procedure

SUBTASK 25-52-18-020-001

- (1) Remove and discard the tape, G02361.

SUBTASK 25-52-18-020-002

- (2) Remove the screws [7] from the cap strips [6] and remove the cap strips [6].

SUBTASK 25-52-18-020-003

- (3) Remove the liners in this sequence: [1], [2], [3], and then [4] or [5]. To remove them, remove the screws [7] from the liner.

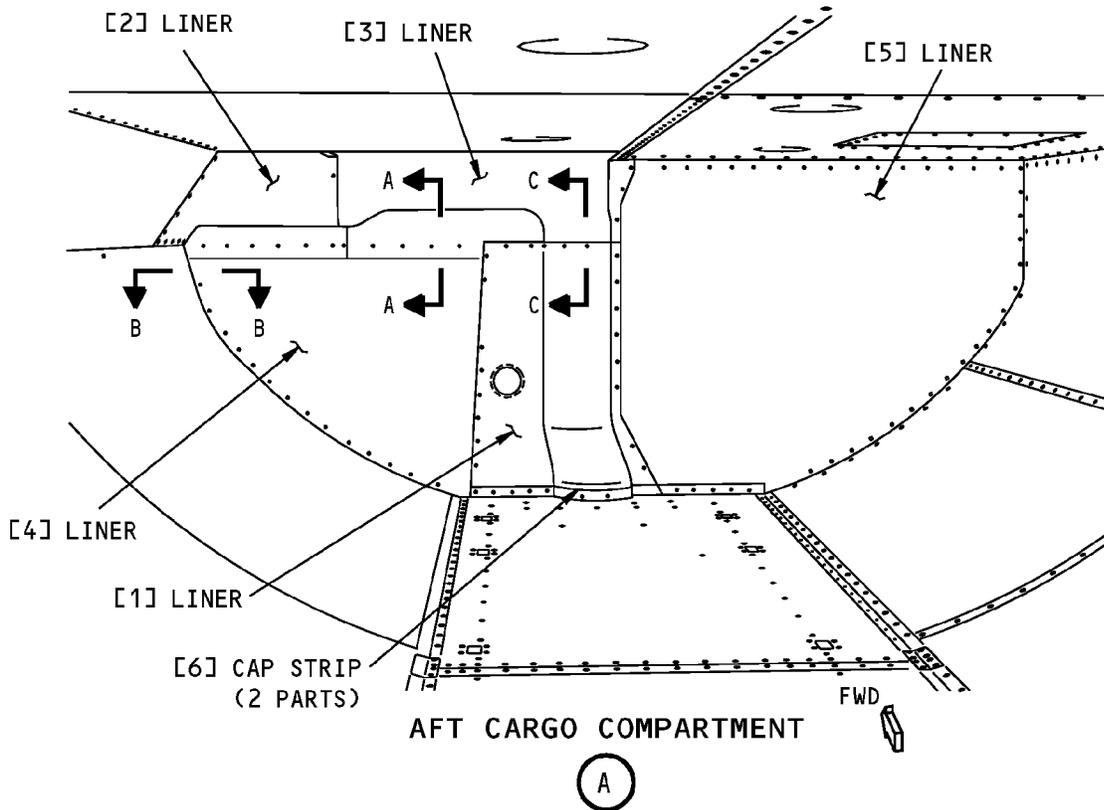
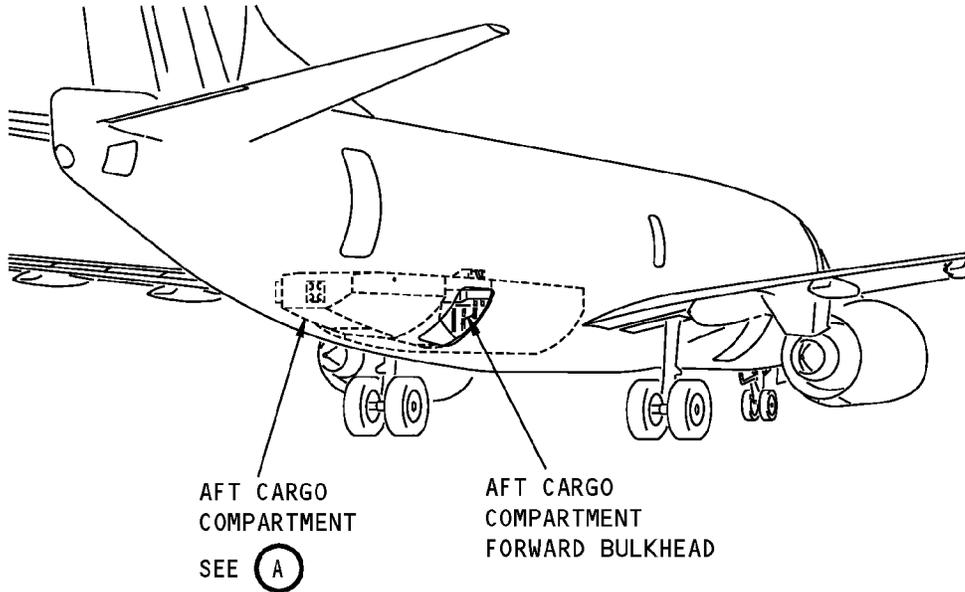
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EFFECTIVITY	
HAP ALL	

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Aft Cargo Compartment Forward Bulkhead Liner Installation
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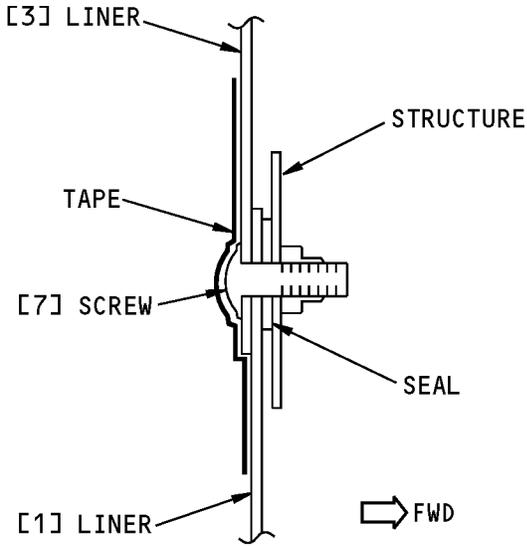
EFFECTIVITY
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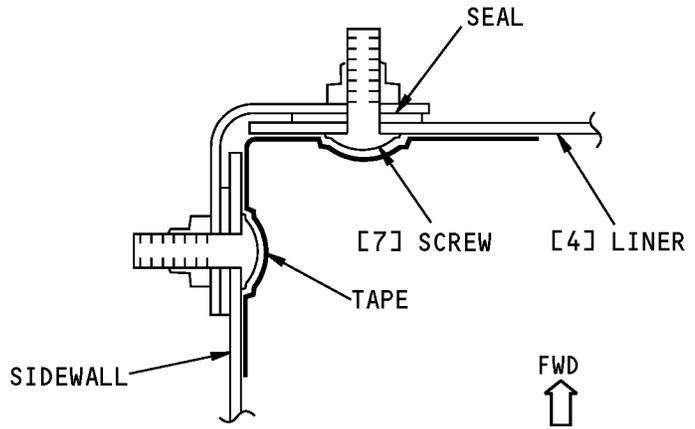
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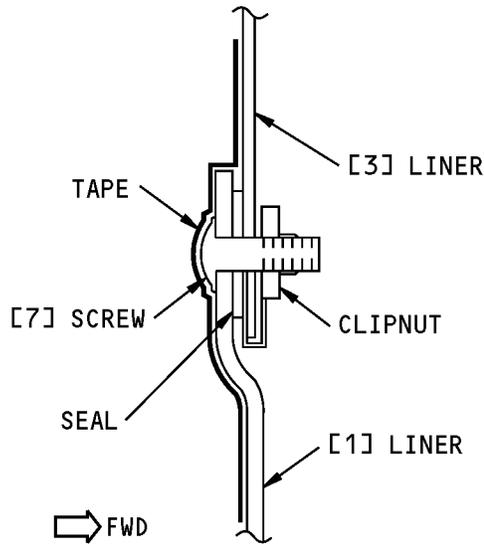
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LINER TO LINER JOINT WITH STRUCTURE (EXAMPLE)
A-A



BULKHEAD LINER TO SIDEWALL LINER JOINT (EXAMPLE)
B-B



LINER TO LINER JOINT WITHOUT STRUCTURE (EXAMPLE)
C-C

Aft Cargo Compartment Forward Bulkhead Liner Installation
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AIRCRAFT MAINTENANCE MANUAL

TASK 25-52-18-400-801

3. Aft Cargo Compartment Forward Bulkhead Liner Installation

(Figure 401)

A. Consumable Materials

Reference	Description	Specification
G02186	Seal - Closed Cell Silicone Foam Rubber, Hydraulic Fluid Resistant	BMS1-68, Form III
G02361	Tape - Cargo Lining Joint Seal	BMS5-146

B. Location Zones

Zone	Area
145	Aft Cargo Compartment Equipment Bay - Left

C. Procedure

SUBTASK 25-52-18-210-001

- (1) Examine the seal, G02186, on the structure. Also examine seal, G02186, on the liners.

NOTE: The foam seal must be continuous around all the edges of the opening for each piece of the liner. Most of the foam seals should be on the structure. However, there should be foam seals between the liners when two liners have an overlap at a location where there is no structure. That is, where the liner has clip nuts on it, it should have a foam seal.

- (a) Replace the foam seals if they are damaged or missing.

SUBTASK 25-52-18-420-001

- (2) Install the liners in this sequence: [4] and [5], then [3], [2], and [1]. To install the liners, put the liner in its position and install the screws [7].

SUBTASK 25-52-18-420-002

- (3) Install the cap strips [6] with the screws [7].

SUBTASK 25-52-18-420-003

- (4) Install new tape, G02361, on all the joints and edges of the liners.

END OF TASK

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AIRCRAFT MAINTENANCE MANUAL

AFT CARGO COMPARTMENT AFT BULKHEAD PANEL - REMOVAL/INSTALLATION

1. General

A. This procedure contains two tasks:

- (1) Aft Cargo Compartment Aft Bulkhead Liner Removal,
- (2) Aft Cargo Compartment Aft Bulkhead Liner Installation.

TASK 25-52-19-000-801

2. Aft Cargo Compartment Aft Bulkhead Liner Removal

(Figure 401)

A. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

B. Procedure

SUBTASK 25-52-19-020-001

- (1) Release the 1/4 turn fasteners that are around the edges of the bulkhead liner [1].

SUBTASK 25-52-19-020-002

- (2) Remove the liner [1].

NOTE: Make sure the foam seals are attached to the structure when you remove the liner.

————— **END OF TASK** —————

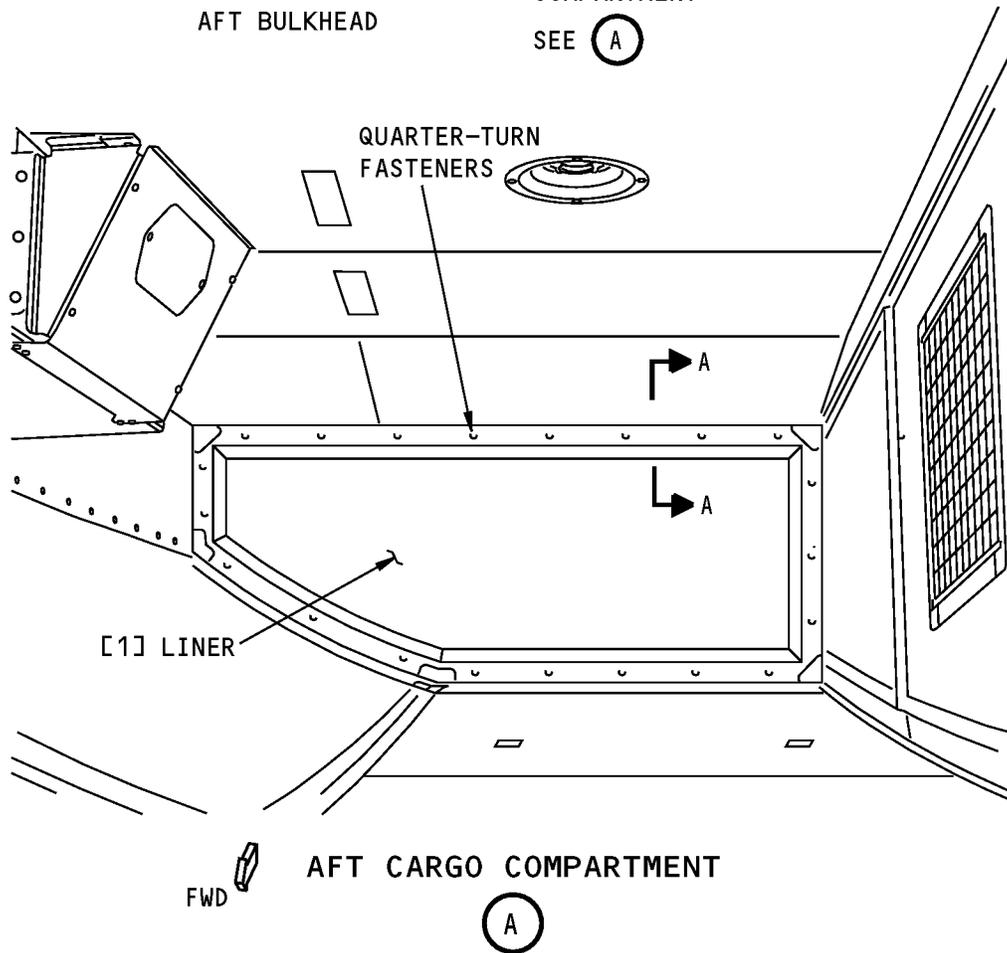
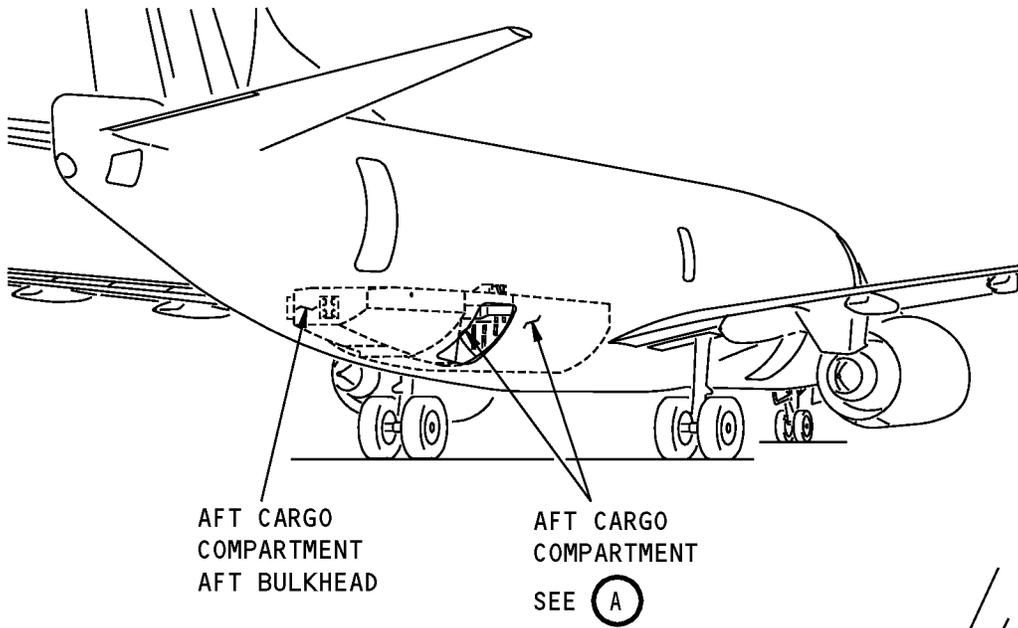
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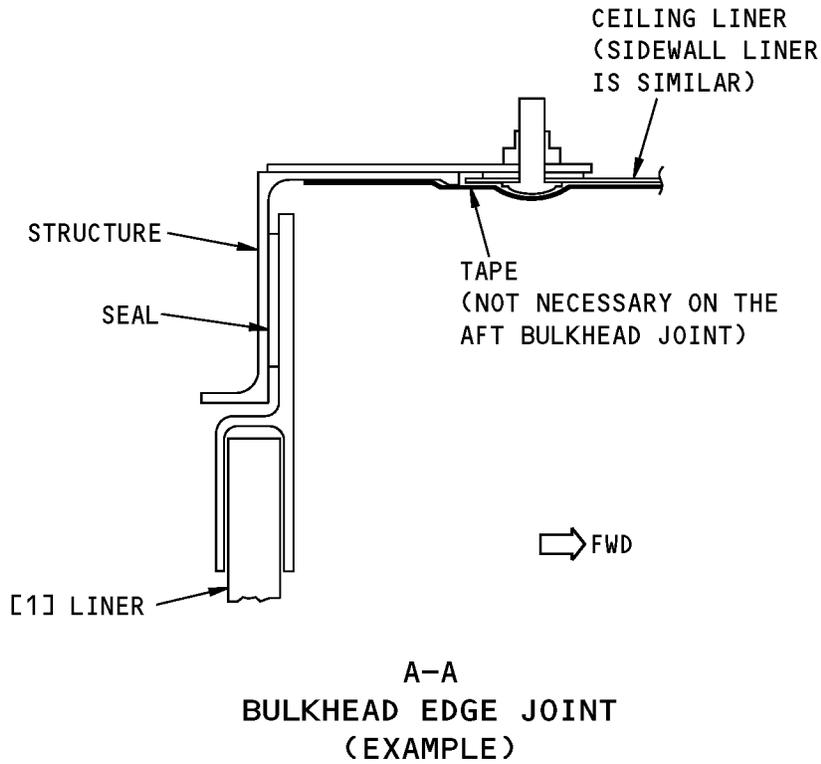
Aft Cargo Compartment Aft Bulkhead Liner Installation
Figure 401 (Sheet 1 of 2)/25-52-19-990-801

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**Aft Cargo Compartment Aft Bulkhead Liner Installation
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TASK 25-52-19-400-801

3. Aft Cargo Compartment Aft Bulkhead Liner Installation

(Figure 401)

A. Consumable Materials

Reference	Description	Specification
G02186	Seal - Closed Cell Silicone Foam Rubber, Hydraulic Fluid Resistant	BMS1-68, Form III

B. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left
142	Aft Cargo Compartment - Right

C. Procedure

SUBTASK 25-52-19-210-001

(1) Examine the seal, G02186, on the structure.

(a) Replace the foam seals if they are damaged or missing.

NOTE: The foam seal must be continuous around all the edges of the opening for the liner.

SUBTASK 25-52-19-420-001

(2) Put the liner [1] in its position.

SUBTASK 25-52-19-420-002

(3) Lock the 1/4 turn fasteners that are around the edges of the liner [1].

NOTE: You do not need to apply tape to seal this liner.

————— **END OF TASK** —————

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AIRCRAFT MAINTENANCE MANUAL

WASTE TANK ENCLOSURE PANELS - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) Waste Tank Enclosure Panel Removal,
- (2) Waste Tank Enclosure Panel Installation.

TASK 25-52-20-000-801

2. Waste Tank Enclosure Panel Removal

(Figure 401)

A. General

- (1) The waste tank enclosure panels give access to the waste tank components.
- (2) This task removes one of the panels for the waste tank enclosure.
- (3) Do this task for the other panels if it is necessary to remove the full enclosure.

B. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left

C. Procedure

SUBTASK 25-52-20-020-001

- (1) Release the 1/4 turn fasteners.

SUBTASK 25-52-20-020-002

- (2) Remove the panel [1] from the support structure.

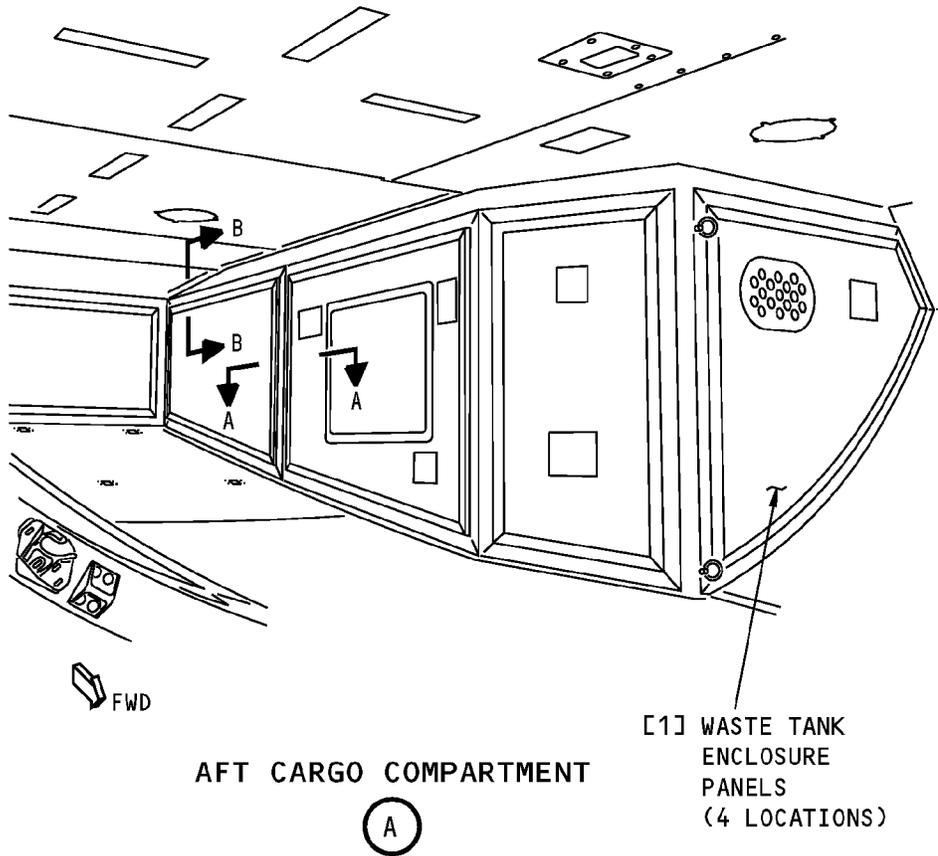
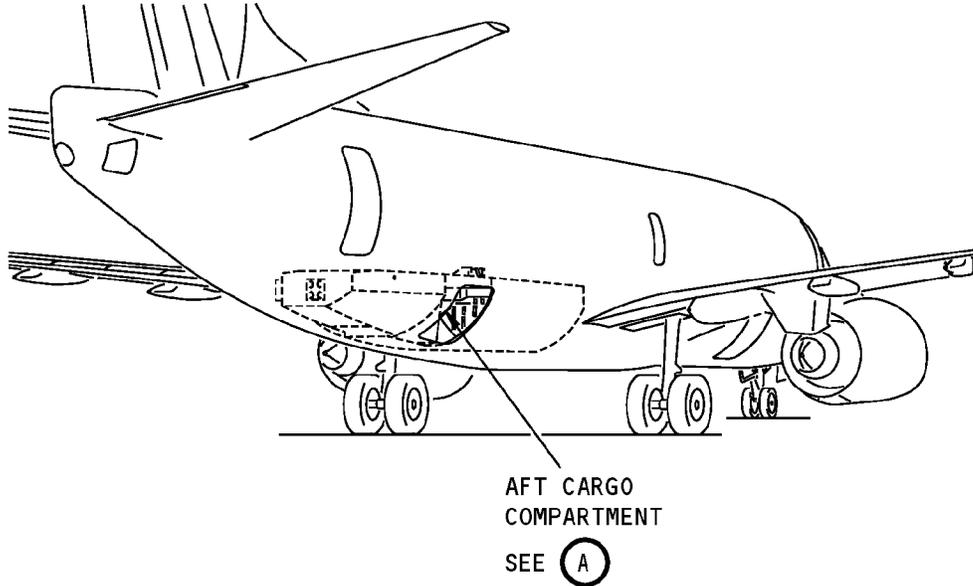
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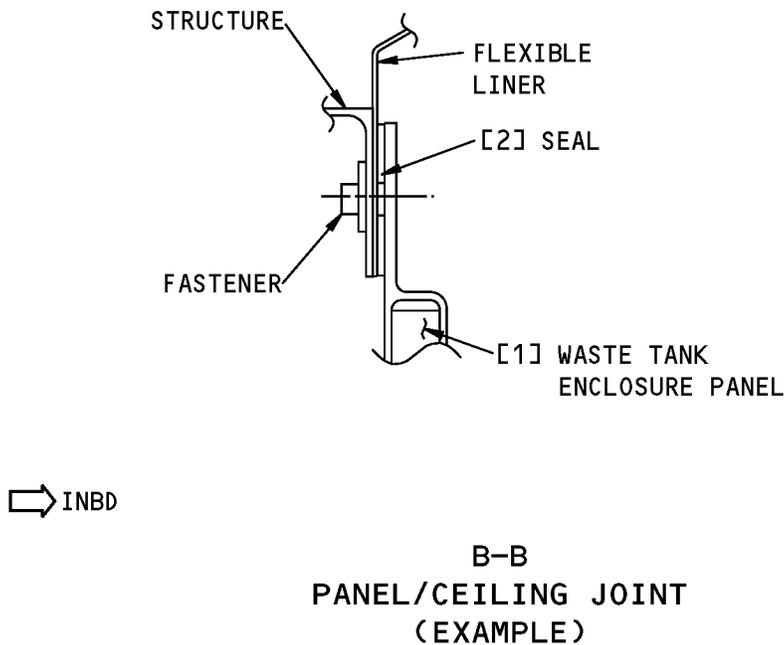
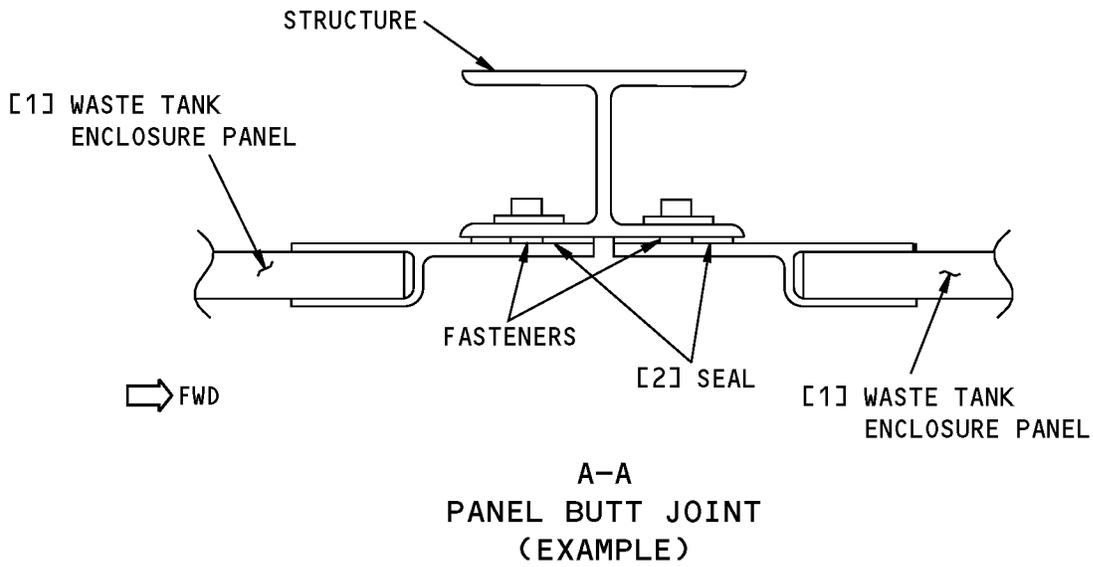
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Waste Tank Enclosure Panels Installation
Figure 401 (Sheet 1 of 2)/25-52-20-990-801

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**Waste Tank Enclosure Panels Installation
Figure 401 (Sheet 2 of 2)/25-52-20-990-801**

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TASK 25-52-20-400-801

3. Waste Tank Enclosure Panel Installation

(Figure 401)

A. Consumable Materials

Reference	Description	Specification
G02186	Seal - Closed Cell Silicone Foam Rubber, Hydraulic Fluid Resistant	BMS1-68, Form III

B. Location Zones

Zone	Area
141	Aft Cargo Compartment - Left

C. Procedure

SUBTASK 25-52-20-210-001

- (1) Examine the seal, G02186, [2] on the structure.
 - (a) Replace the foam seals [2] if they are damaged or missing.

NOTE: The foam seal must be continuous around all the edges of the opening for the liner.

SUBTASK 25-52-20-210-002

- (2) Make sure the small flexible liner section (between the top of the panel and the ceiling liner) is in its position.

NOTE: The holes in the flexible liner must align with the fasteners in the structure.

SUBTASK 25-52-20-420-001

- (3) Put the panel [1] against the support structure.

SUBTASK 25-52-20-420-002

- (4) Turn the quick-release fasteners clockwise to attach the panel [1] to the support structure.

NOTE: You do not need to apply tape to seal this liner.

————— **END OF TASK** —————

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ESCAPE ROPES AND LIFE LINES - MAINTENANCE PRACTICES

1. General

- A. This procedure contains scheduled maintenance task data.
- B. This procedure contains these tasks:
 - (1) Flight Compartment Escape Rope Removal,
 - (2) Flight Compartment Escape Rope Installation,
 - (3) Flight Compartment Escape Rope Inspection,
 - (4) Emergency Exit Door Life Line Removal,
 - (5) Emergency Exit Door Life Line Installation,
 - (6) Emergency Exit Door Life Line Check.

TASK 25-61-10-000-801

2. Flight Compartment Escape Rope Removal

(Figure 201)

A. General

- (1) An escape rope (also called an escape lanyard) is installed in the flight compartment above the captain's seat and above the first officer's seat.

B. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

C. Procedure

SUBTASK 25-61-10-010-001

- (1) Open the cover for the escape rope.

SUBTASK 25-61-10-020-001

- (2) Open the hook and loop (Velcro) strap and pull the escape rope [1] from its compartment.

SUBTASK 25-61-10-020-002

- (3) Pull the anchor fitting against the spring and disengage the anchor fitting from the anchor plate.

————— END OF TASK —————

TASK 25-61-10-400-801

3. Flight Compartment Escape Rope Installation

(Figure 201)

A. General

- (1) An escape rope (also called an escape lanyard) is installed in the flight compartment above the captain's seat and above the first officer's seat.

B. Location Zones

Zone	Area
211	Flight Compartment - Left
212	Flight Compartment - Right

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C. Procedure

SUBTASK 25-61-10-420-001

- (1) Install the anchor fitting in the anchor plate.

SUBTASK 25-61-10-420-002

- (2) Make sure the anchor fitting is correctly engaged in the detent at the center of the anchor plate.

SUBTASK 25-61-10-420-003

WARNING: IF THE ESCAPE ROPE HAS BEEN USED BY PERSONELL IN A DEMONSTRATION, TRAINING, OR AN ACTUAL EMERGENCY EVACUATION, REPLACE IT. THE CENTRAL LOAD CARRYING CORE CANNOT BE INSPECTED FOR DAMAGE NOR CAN THE OUTER SHEATH BE REWOVEN AFTER USE. INJURY TO PERSONS MAY RESULT IF REINSTALLED.

- (3) Wind the escape rope [1] into a coil in its compartment. Wind it so that the loose end of the rope ends at the center of the coil. Keep approximately the last 4 inches (100 mm) of rope out of the coil.

- (a) Use the hook and loop (Velcro) straps to hold the escape rope in its position. Put the free end of the rope between the hook and loop straps. Make sure that the end of the rope is easy to see and to get a hold of.

SUBTASK 25-61-10-410-001

- (4) Close the cover.
(a) Make sure the latch holds the cover closed.

END OF TASK

TASK 25-61-10-210-801

4. Flight Compartment Escape Rope Inspection

(Figure 201)

A. General

- (1) This procedure is a scheduled maintenance task.
(2) An escape rope (also called an escape lanyard) is installed in the flight compartment above the captain's seat and above the first officer's seat.

B. Location Zones

Table with 2 columns: Zone, Area. Row 1: 211, Flight Compartment - Left. Row 2: 212, Flight Compartment - Right.

C. Procedure

SUBTASK 25-61-10-020-010

- (1) Do this task: Flight Compartment Escape Rope Removal, TASK 25-61-10-000-801.

SUBTASK 25-61-10-210-010

WARNING: IF PERSONNEL USED THE ESCAPE ROPE, REPLACE IT. YOU CANNOT EXAMINE THE CORE FOR DAMAGE. IF YOU DO NOT REPLACE A USED ESCAPE ROPE, INJURIES TO PERSONS CAN OCCUR.

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(WARNING PRECEDES)

- (2) Do a check of the escape rope and aircraft records for evidence that it was used. If you find evidence that the escape rope was used, replace the escape rope. Do these tasks: Flight Compartment Escape Rope Removal, TASK 25-61-10-000-801 and Flight Compartment Escape Rope Installation, TASK 25-61-10-400-801.

SUBTASK 25-61-10-210-001

- (3) Make sure the rope does not have any knots.

SUBTASK 25-61-10-210-002

- (4) Make sure the rope is not fraying or have any worn areas.
 - (a) If the escape rope is fraying or has worn areas, replace it.

SUBTASK 25-61-10-210-003

- (5) Make sure the rope is not wet.

SUBTASK 25-61-10-210-004

- (6) Make sure the anchor plate is not loose or corroded.

SUBTASK 25-61-10-210-005

- (7) Make sure the anchor fitting is not bent or corroded.

SUBTASK 25-61-10-210-006

- (8) Do this task: Flight Compartment Escape Rope Installation, TASK 25-61-10-400-801.

————— **END OF TASK** —————

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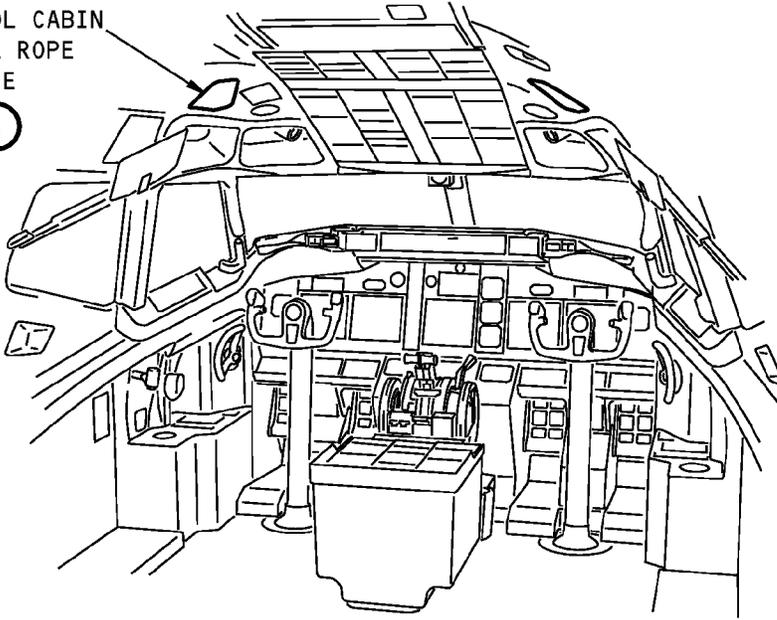
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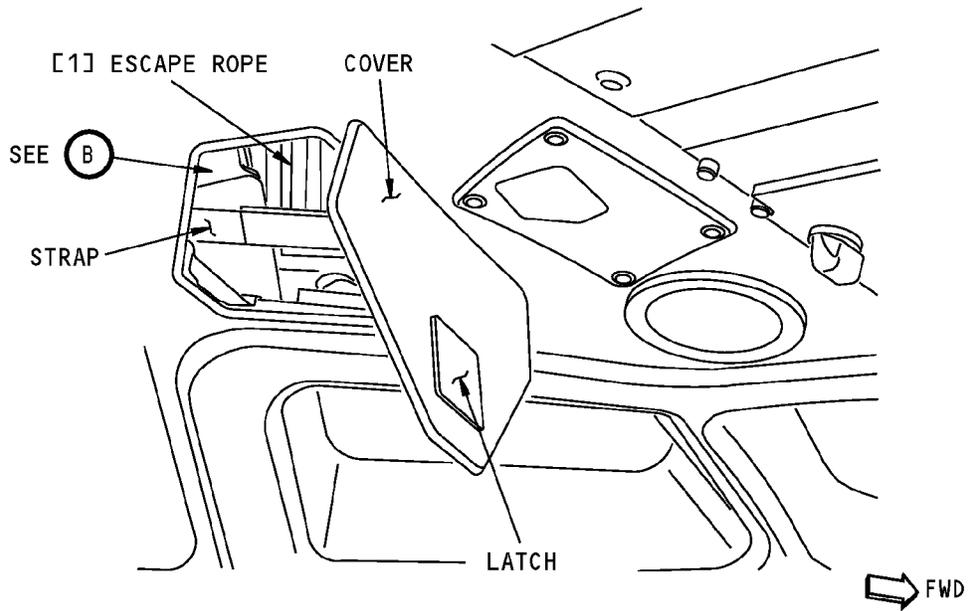
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CONTROL CABIN
ESCAPE ROPE
STORAGE

SEE (A)



FLIGHT COMPARTMENT



**CONTROL CABIN ESCAPE ROPE STORAGE
(LEFT SIDE IS SHOWN, RIGHT SIDE IS OPPOSITE)**

(A)

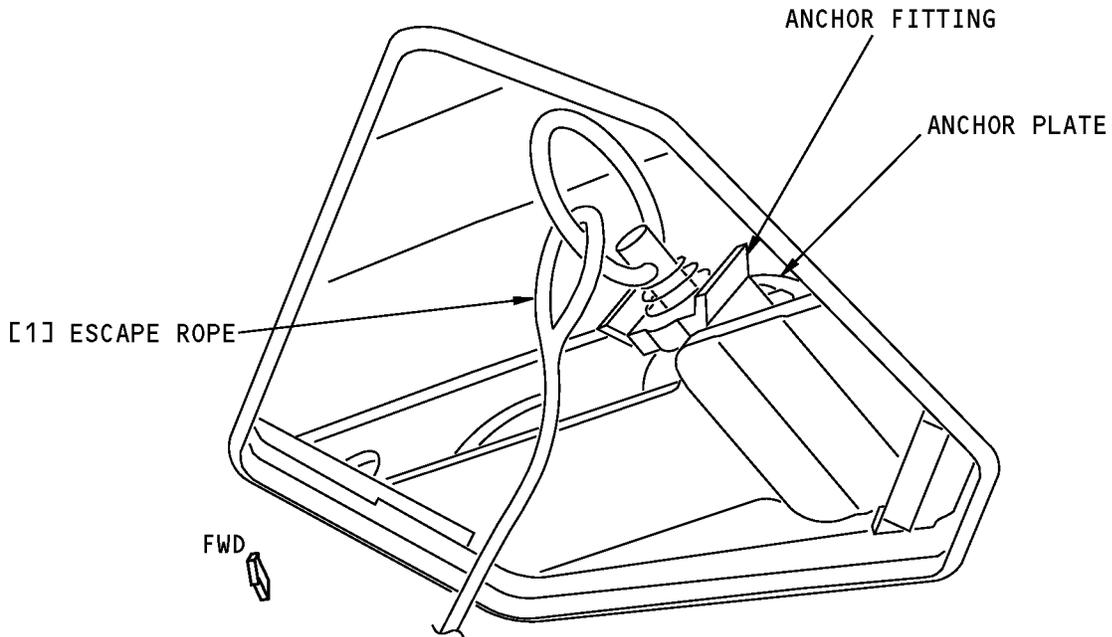
**Escape Rope Installation
Figure 201 (Sheet 1 of 2)/25-61-10-990-803**

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**ANCHOR FITTING
(DOOR SHOWN REMOVED FOR CLARITY)**

(B)

**Escape Rope Installation
Figure 201 (Sheet 2 of 2)/25-61-10-990-803**

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TASK 25-61-10-000-802

5. Emergency Exit Door Life Line Removal

(Figure 202)

A. General

- (1) The life line (also called the escape strap) is kept in a stowage tube installed behind the sidewall and the ceiling panels of the passenger compartment. One end of the life line is attached to the doorway structure of the emergency exit door. In an emergency, the hook end of the life line is attached to the fitting on the wing. The life line is used to help the passengers when they are on the wing.

HAP 101-999

- (2) The Left Emergency Exit Door (STA 627.5) and a Right Emergency Exit Door (STA 627.5). The stowage tube that contains the life line is located over each exit door.

HAP 001-013, 015-026, 028-054

- (3) The Left Emergency Exit Door (STA 589.5), a Right Emergency Exit Door (STA 589.5), a Left Emergency Exit Door (STA 627.5), and a Right Emergency Exit Door (STA 627.5). The stowage tube that contains the life line is located over the Left Emergency Exit Door (627.5) and the Right Emergency Exit Door (STA 627.5).

HAP ALL

B. Location Zones

Zone	Area
833	Left Emergency Exit (STA 627.5)
843	Right Emergency Exit (STA 627.5)

C. Procedure

SUBTASK 25-61-10-010-007

WARNING: MAKE SURE THE DOOR OPENING PATH IS CLEAR BEFORE YOU RELEASE THE DOOR HANDLE. THE DOOR IS SPRING LOADED TO OPEN AUTOMATICALLY AND INJURIES COULD OCCUR.

- (1) Open the emergency exit door.

SUBTASK 25-61-10-010-004

- (2) Open the cloth cover that holds the hook and life line [21].

SUBTASK 25-61-10-020-004

- (3) Pull the life line [21] out of the stowage tube.

SUBTASK 25-61-10-020-005

- (4) Remove the nut [23], washers [24], and the bushing [22] that attach the life line anchor to the retainer.

SUBTASK 25-61-10-020-008

- (5) Remove the life line [21].

————— **END OF TASK** —————

EFFECTIVITY HAP ALL	
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TASK 25-61-10-400-802

6. Emergency Exit Door Life Line Installation

(Figure 202)

A. General

- (1) The life line (also called the escape strap) is kept in a stowage tube installed behind the sidewall and the ceiling panels of the passenger compartment. One end of the life line is attached to the doorway structure of the emergency exit door. In an emergency, the hook end of the life line is attached to the fitting on the wing. The life line is used to help the passengers when they are on the wing.

HAP 101-999

- (2) The Left Emergency Exit Door (STA 627.5) and a Right Emergency Exit Door (STA 627.5). The stowage tube that contains the life line is located over each exit door.

HAP 001-013, 015-026, 028-054

- (3) The Left Emergency Exit Door (STA 589.5), a Right Emergency Exit Door (STA 589.5), a Left Emergency Exit Door (STA 627.5), and a Right Emergency Exit Door (STA 627.5). The stowage tube that contains the life line is located over the Left Emergency Exit Door (627.5) and the Right Emergency Exit Door (STA 627.5).

HAP ALL

B. Consumable Materials

Reference	Description	Specification
G00291	Tape - Aluminum Foil, Scotch 425	AMS-T-23397 / L-T-80

C. Location Zones

Zone	Area
833	Left Emergency Exit (STA 627.5)
843	Right Emergency Exit (STA 627.5)

D. Procedure

SUBTASK 25-61-10-420-018

- (1) Use Scotch 425 Aluminum Foil Tape, G00291, to keep the lifeline [21] folded. Wind the Scotch 425 Aluminum Foil Tape, G00291, a maximum of 1.5 times around the lifeline at each of the three locations shown (Figure 202).

SUBTASK 25-61-10-420-019

- (2) Push the life line [21] into the stowage tube.

SUBTASK 25-61-10-420-020

- (3) Install the washers [24], bushing [22], and the nut [23] to attach the life line anchor to the retainer.

SUBTASK 25-61-10-420-011

- (4) Close the cloth cover.

SUBTASK 25-61-10-420-021

- (5) Close the emergency exit door.

————— END OF TASK —————

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TASK 25-61-10-710-801

7. Emergency Exit Door Life Line Check

(Figure 202)

A. General

- (1) This procedure is a scheduled maintenance task.
- (2) The life line (also called the escape strap) is kept in a stowage tube installed behind the sidewall and the ceiling panels of the passenger compartment. One end of the life line is attached to the doorway structure of the emergency exit door. In an emergency, the hook end of the life line is attached to the fitting on the wing. The life line is used to help the passengers when they are on the wing.

HAP 101-999

- (3) The Left Emergency Exit Door (STA 627.5) and a Right Emergency Exit Door (STA 627.5). The stowage tube that contains the life line is located over each exit door.

HAP 001-013, 015-026, 028-054

- (4) The Left Emergency Exit Door (STA 589.5), a Right Emergency Exit Door (STA 589.5), a Left Emergency Exit Door (STA 627.5), and a Right Emergency Exit Door (STA 627.5). The stowage tube that contains the life line is located over the Left Emergency Exit Door (627.5) and the Right Emergency Exit Door (STA 627.5).

HAP ALL

B. Location Zones

Zone	Area
833	Left Emergency Exit (STA 627.5)
843	Right Emergency Exit (STA 627.5)

C. Procedure

SUBTASK 25-61-10-010-008

WARNING: MAKE SURE THE DOOR OPENING PATH IS CLEAR BEFORE YOU RELEASE THE DOOR HANDLE. THE DOOR IS SPRING LOADED TO OPEN AUTOMATICALLY AND INJURIES COULD OCCUR.

- (1) Open the emergency exit door.

SUBTASK 25-61-10-010-006

- (2) Open the cloth cover that holds the hook and life line [21].

SUBTASK 25-61-10-020-009

- (3) Pull the hook end of the life line [21] out over the wing.
 - (a) Make sure the life line [21] can be attached to the fitting on the wing.

SUBTASK 25-61-10-210-008

- (4) Do these steps to examine the condition of the life line [21]:
 - (a) Make sure the life line [21] has no worn areas.
 - (b) Make sure the life line [21] is not wet.
 - (c) Make sure the anchor on the end of the life line [21] is not loose, corroded, or cracked.

SUBTASK 25-61-10-210-009

- (5) Do these steps to examine the condition of the hook:

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- (a) Make sure the hook is not bent or corroded.
- (b) Make sure the gate on the hook opens smoothly. Make sure the spring closes the gate.

SUBTASK 25-61-10-420-013

- (6) Fold the life line [21] as shown (Figure 202).

SUBTASK 25-61-10-420-016

- (7) Put the hook into the retainer and close the cloth cover.

SUBTASK 25-61-10-420-022

- (8) Close the emergency exit door.

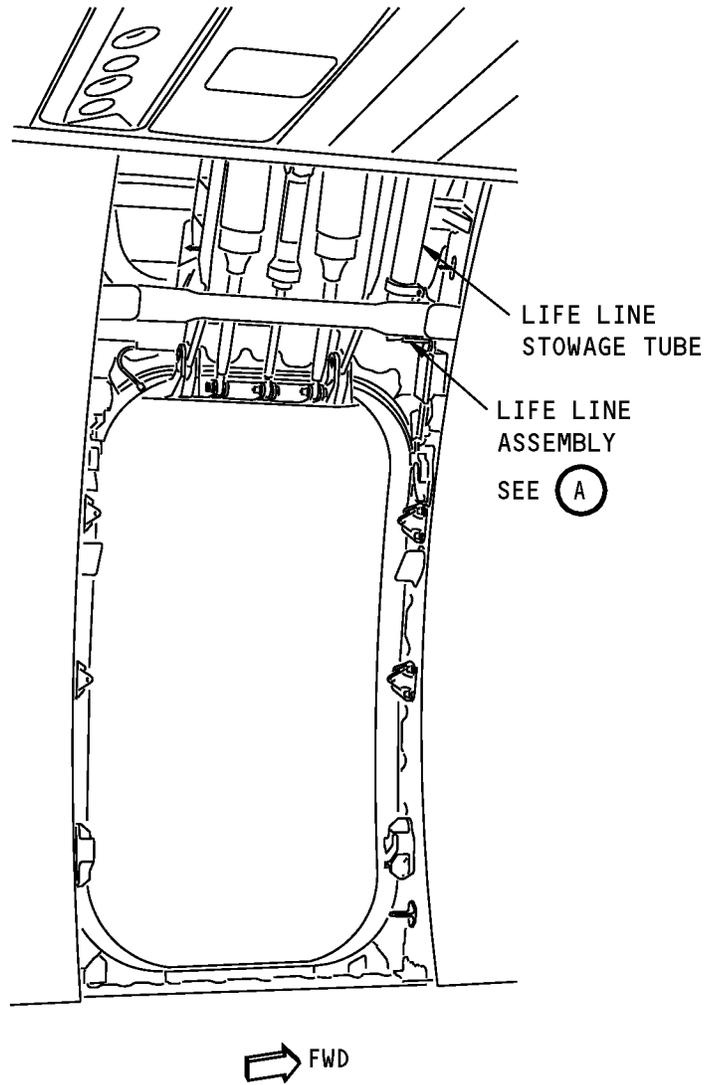
————— **END OF TASK** —————

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**EMERGENCY EXIT DOOR
(DOOR SHOWN IN OPEN POSITION)
(DOOR LINER REMOVED)
(LEFT SIDE IS SHOWN, RIGHT SIDE IS OPPOSITE)**

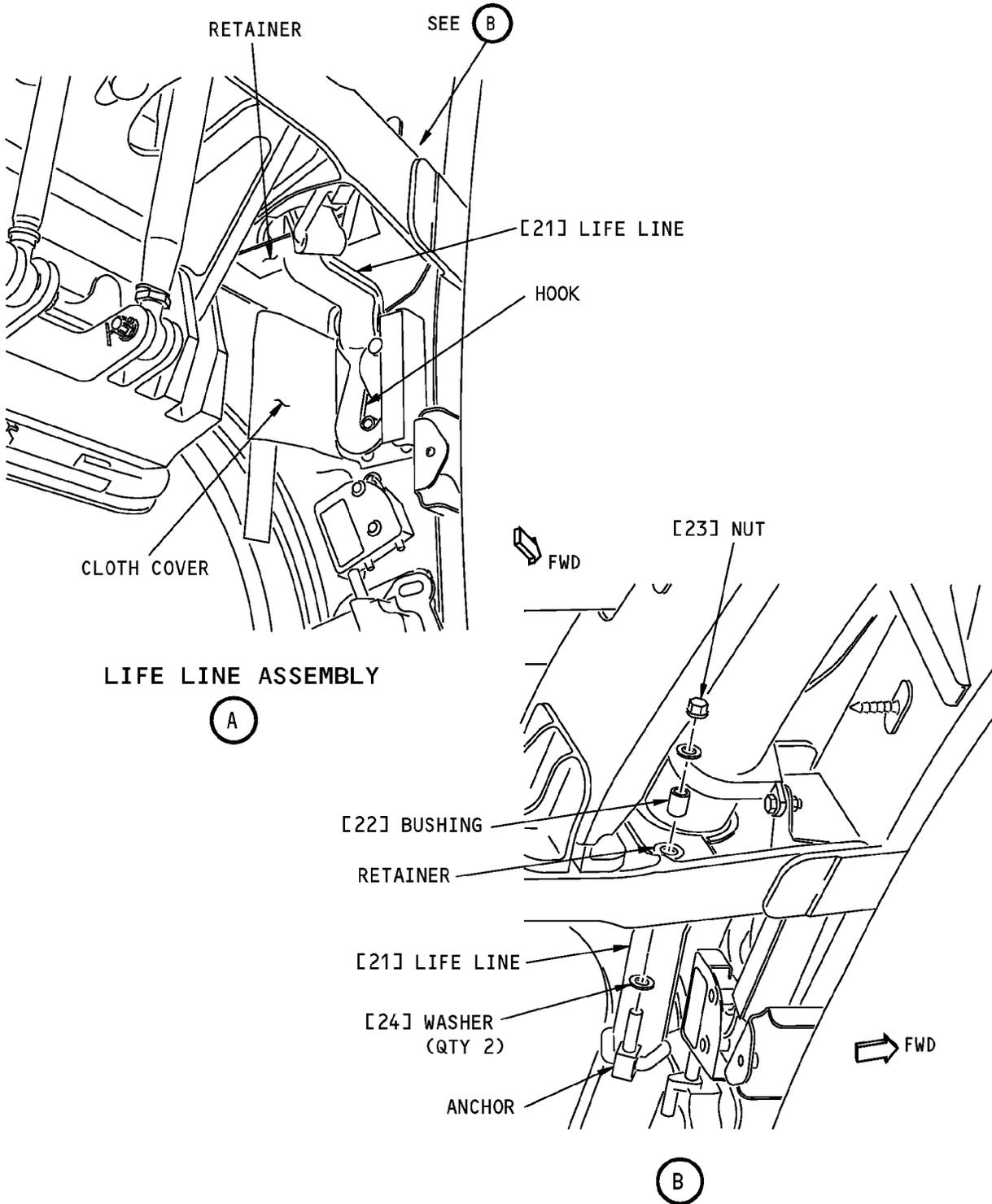
**Emergency Exit Door Life Line Installation
Figure 202 (Sheet 1 of 3)/25-61-10-990-802**

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**Emergency Exit Door Life Line Installation
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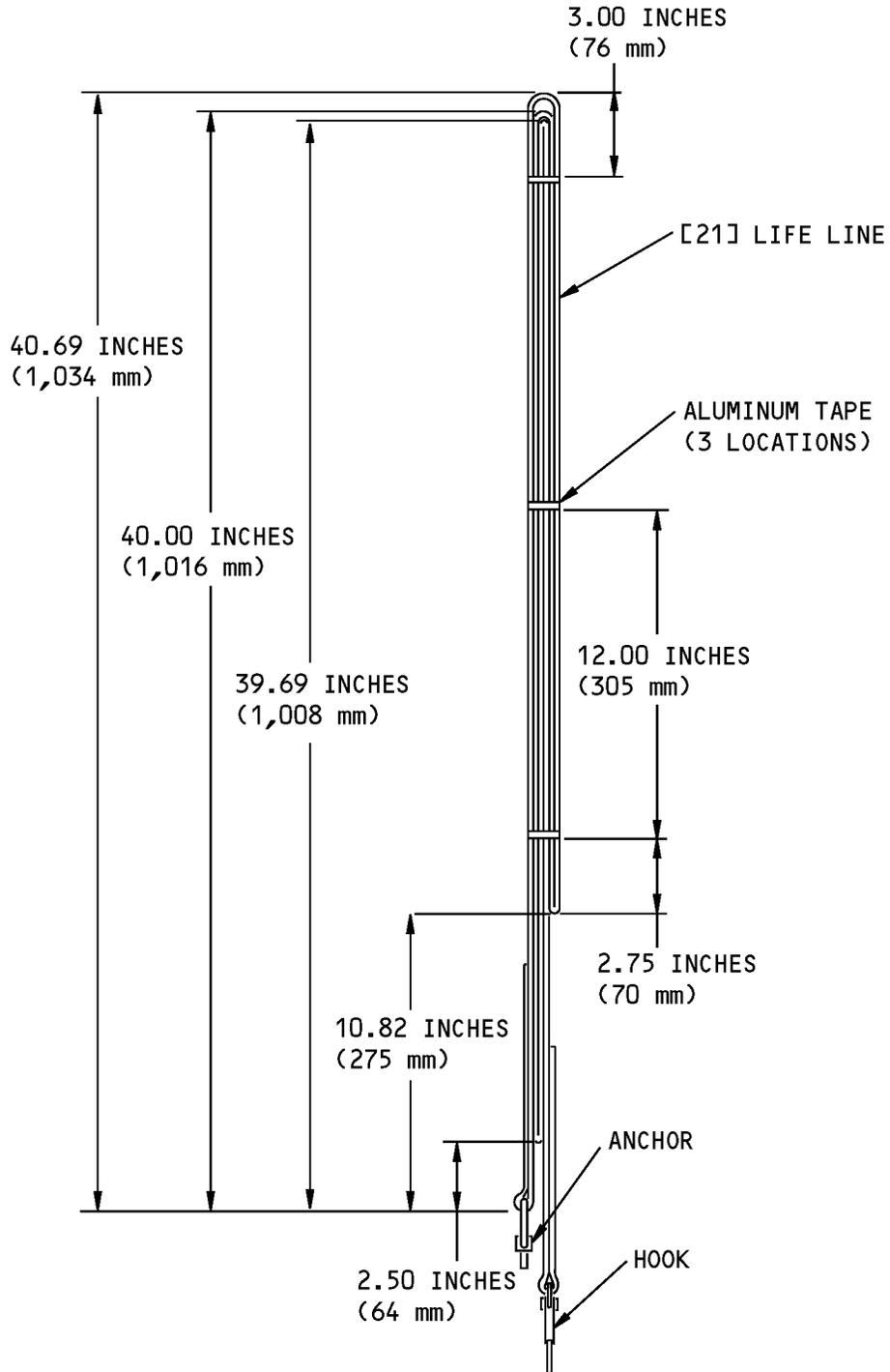
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**Emergency Exit Door Life Line Installation
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DOOR WARNING STRAP REEL - REMOVAL/INSTALLATION

1. General

A. This procedure contains these tasks:

- (1) Door warning strap reel removal
- (2) Door warning strap reel installation
- (3) Post-Installation door warning strap reel test

TASK 25-61-13-000-801

2. Door Warning Strap Reel Removal

A. General

- (1) A door warning strap reel are installed on the doorways.

B. References

Reference	Title
25-21-46-000-801	Sidewall Panel Removal (P/B 401)
25-24-15-000-804	Partition Removal (P/B 401)
25-31-11-000-801	Galley No. 1 Removal (P/B 401)
25-31-21-000-801	Galley No. 2 Removal (P/B 401)
25-31-41-000-801-005	Galley No. 4 Removal (P/B 401)

C. Location Zones

Zone	Area
200	Upper Half of Fuselage

D. Prepare for removal

SUBTASK 25-61-13-000-001

- (1) If it is necessary, do this task: Partition Removal, TASK 25-24-15-000-804.

SUBTASK 25-61-13-000-002

- (2) If it is necessary, do this task: Galley No. 1 Removal, TASK 25-31-11-000-801.

SUBTASK 25-61-13-000-003

- (3) If it is necessary, do this task: Galley No. 2 Removal, TASK 25-31-21-000-801.

SUBTASK 25-61-13-000-009

- (4) If it is necessary, do this task: Galley No. 4 Removal, TASK 25-31-41-000-801-005.

SUBTASK 25-61-13-020-001

- (5) Do this task to remove the adjacent sidewall panels for access to the door warning strap reel:
Sidewall Panel Removal, TASK 25-21-46-000-801.

E. Procedure

SUBTASK 25-61-13-000-005

- (1) Slide the strap through slit on retainer.

SUBTASK 25-61-13-000-006

- (2) Remove (4) fasteners [2] for the door warning strap reel [1].

SUBTASK 25-61-13-000-007

- (3) Remove the door warning strap reel [1].

————— **END OF TASK** —————

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TASK 25-61-13-400-801

3. Door Warning Strap Reel Installation

(Figure 401)

A. References

Reference	Title
25-21-46-400-801	Sidewall Panel Installation (P/B 401)
25-24-15-400-801	Partition Installation (P/B 401)
25-31-11-400-801	Galley No. 1 Installation (P/B 401)
25-31-21-400-801	Galley No. 2 Installation (P/B 401)
25-31-41-400-801-005	Galley No. 4 Installation (P/B 401)

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-61-13-400-001

(1) Put the door warning strap reel [1] into position.

SUBTASK 25-61-13-400-002

(2) Slide the strap [3] through slit on retainer [4].

SUBTASK 25-61-13-400-003

(3) Mount the door warning strap reel [1] with (4) fasteners [2].

D. Put the Airplane Back to Its Usual Condition

SUBTASK 25-61-13-420-001

(1) Do this task to install the adjacent sidewall panels: Sidewall Panel Installation, TASK 25-21-46-400-801.

SUBTASK 25-61-13-400-004

(2) If it is necessary, do this task: Partition Installation, TASK 25-24-15-400-801.

SUBTASK 25-61-13-400-005

(3) If it is necessary, do this task: Galley No. 1 Installation, TASK 25-31-11-400-801.

SUBTASK 25-61-13-400-006

(4) If it is necessary, do this task: Galley No. 2 Installation, TASK 25-31-21-400-801.

SUBTASK 25-61-13-400-007

(5) If it is necessary, do this task: Galley No. 4 Installation, TASK 25-31-41-400-801-005.

END OF TASK

TASK 25-61-13-800-801

4. Post-Installation Door Warning Strap Reel Test

(Figure 401)

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

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B. Procedure

SUBTASK 25-61-13-800-001

(1) Pull the strap out of the reel and attach the strap to the fitting on the opposite door frame.

SUBTASK 25-61-13-800-002

(2) Unhook the strap from the fitting.

SUBTASK 25-61-13-800-003

(3) Make sure the strap retracts back into the door warning strap reel.

————— **END OF TASK** —————

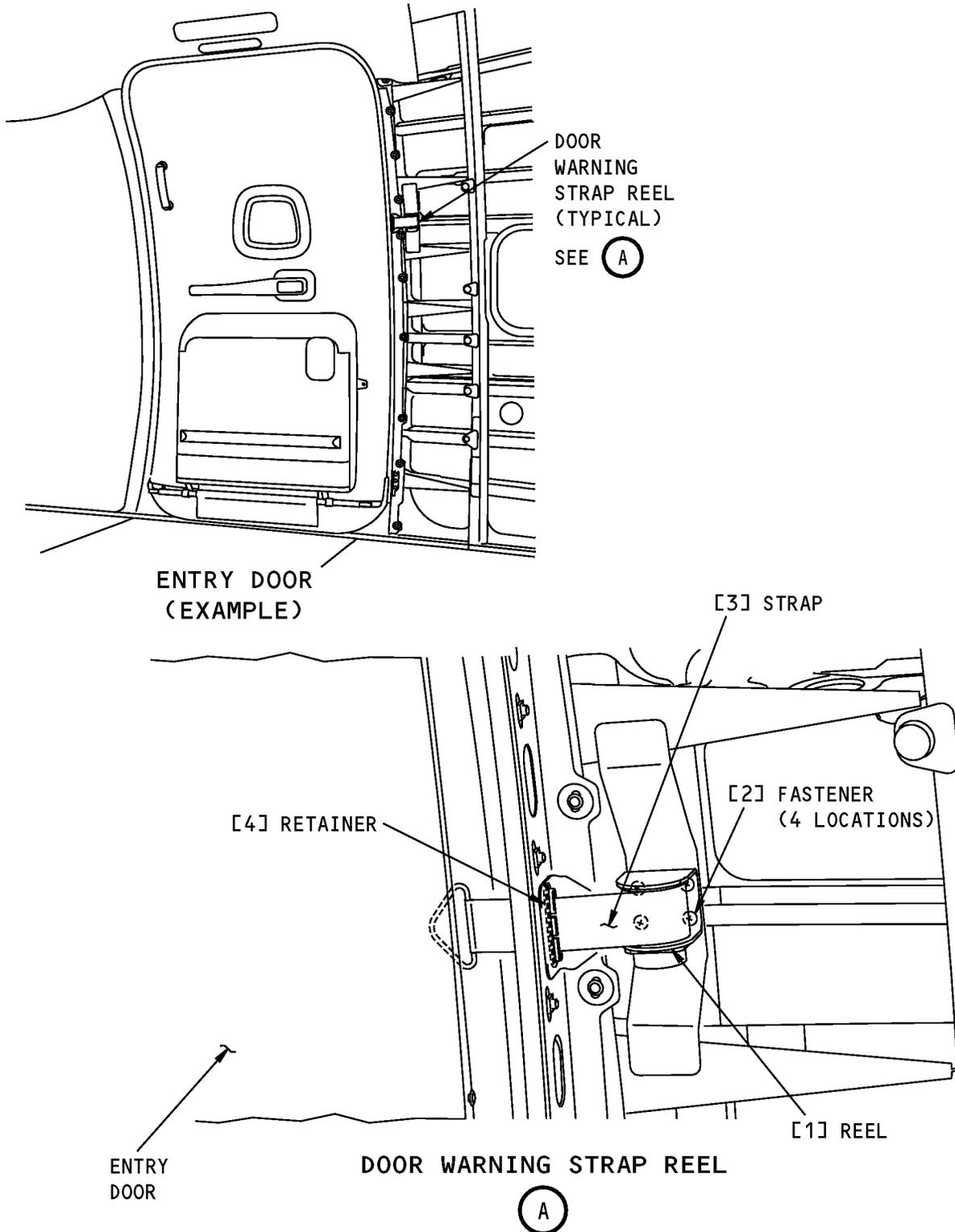
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Door Warning Strap Reel Installation
Figure 401/25-61-13-990-801

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DETACHABLE EMERGENCY EQUIPMENT - MAINTENANCE PRACTICES

1. General

- A. This procedure contains scheduled maintenance task data.
- B. This procedure has these tasks:
 - (1) Life Jacket Restoration,
 - (2) Over-Water Survival Kit Restoration (If Installed),
 - (3) Megaphone Operational Test,
 - (4) Megaphone Battery Replacement,
 - (5) Emergency Locator Transmitter (If Installed),
 - (6) Detachable Emergency Equipment Visual Check,
 - (7) Flashlight Operational Test,
 - (8) Flashlight Battery Replacement,
 - (9) Smoke Hood (Protective Breathing Equipment) Inspection,
 - (10) First Aid Kit Restoration,
 - (11) Medical Kit Restoration (If Installed).
- C. This procedure contains tasks that are necessary to make the Automated Customized Task Cards. Most of the tasks in this procedure do not contain detailed instructions. Use the standard method of your airline to do these tasks.

TASK 25-64-00-900-801

2. Life Jacket Restoration

- A. General
 - (1) This procedure is a scheduled maintenance task.
- B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-64-00-900-001

- (1) Replace the life jackets.
 - (a) Use the standard method of your airline to replace the life jackets.

————— END OF TASK —————

TASK 25-64-00-900-803

3. Over-Water Survival Kit (If Installed) Restoration

- A. General
 - (1) This procedure is a scheduled maintenance task.
- B. Location Zones

Zone	Area
200	Upper Half of Fuselage

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C. Procedure

SUBTASK 25-64-00-900-003

- (1) Replace the over-water survival kits.
 - (a) Use the standard method of your airline to replace the over-water survival kits.

————— END OF TASK —————

TASK 25-64-00-710-801

4. Megaphone Operational Test

A. General

- (1) This procedure is a scheduled maintenance task.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-64-00-020-001

- (1) Disconnect the clamp and remove the megaphone from the mounting bracket.

SUBTASK 25-64-00-710-001

- (2) Put the microphone near your mouth while you point the horn at the opposite end of the airplane.

SUBTASK 25-64-00-710-002

- (3) Pull the trigger while you count slowly in a clear voice.

SUBTASK 25-64-00-710-003

- (4) Make sure your voice can be heard clearly by another person at the opposite end of the airplane.

SUBTASK 25-64-00-710-004

- (5) If the voice output is weak, do these steps:
 - (a) Replace the batteries.
 - (b) Do the operational test above again.
 - (c) If the voice output remains weak, replace the megaphone.

SUBTASK 25-64-00-420-001

- (6) Attach the megaphone on the mounting bracket with the clamp.

————— END OF TASK —————

TASK 25-64-00-900-804

5. Megaphone Battery Replacement

A. General

- (1) This procedure is a scheduled maintenance task.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

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C. Procedure

SUBTASK 25-64-00-900-004

- (1) Replace the batteries in the megaphones.
 - (a) Use the manufacturer's maintenance recommendations for the megaphone or the standard method of your airline to replace the batteries.

————— END OF TASK —————

TASK 25-64-00-900-805

6. Emergency Locator Transmitter Battery Replacement (If Installed)

A. Location Zones

Zone	Area
200	Upper Half of Fuselage

B. Procedure

SUBTASK 25-64-00-900-005

- (1) Replace the batteries in the emergency locator transmitter.
 - (a) Use the component maintenance manual (CMM) for the emergency locator transmitter or the standard method of your airline to replace the batteries.

————— END OF TASK —————

TASK 25-64-00-210-802

7. Detachable Emergency Equipment Visual Check

A. General

- (1) This procedure is a scheduled maintenance task.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-64-00-210-002

- (1) Make sure the following pieces of emergency equipment are installed in the applicable locations.

NOTE: Also, make sure they have no visible defects. Use the standard method of your airline to do this check.

- (a) Gloves
- (b) Smoke goggles
- (c) Crash ax
- (d) Flash lights
- (e) First aid kits
- (f) Medical kits
- (g) Portable oxygen masks
- (h) Extension seat belts
- (i) Fire extinguishers

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- (j) Fire gloves
- (k) Oxygen bottles
- (l) Megaphone
- (m) Smoke hood (Protective Breathing Equipment)
- (n) Demo extension seat belt
- (o) Demo oxygen mask
- (p) Demo life vest

END OF TASK

TASK 25-64-00-200-802

8. Flashlight Check (With Flashing LED Indicator)

A. General

- (1) This procedure is a scheduled maintenance task.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-64-00-210-005

- (1) Do a check of the LED and compare with the limits in the table below. Follow the instructions if you find that the operation is not in the limits.
- (2) Remove the flashlight from the mounting bracket.
- (3) If the light does not come on or is weak, refer to the table to identify the problem and do the corrective action.

Symptom	Probable Cause	Corrective Action
LED is not flashing.	Battery is depleted.	Replace battery.
	Lamp is burned out.	Replace lamp.
	LED is inoperative.	Return unit for service.
	Defective Bracket. Flashlight did not turn off when installed in bracket.	Return entire system to factory for check.
LED is flashing at interval of 10 seconds or greater.	Battery is at or beyond cutoff point.	Replace battery within 10 days.
Flashlight does not turn on when removed from bracket.	Unauthorized use of flashlight. Battery depleted.	Replace battery.
	Lamp is burned out.	Replace lamp.
	Battery pack not installed or connected.	Check battery and connection.
	Broken contacts in flashlight body.	Return flashlight for service.

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(Continued)

Symptom	Probable Cause	Corrective Action
	Defective bracket. Flashlight did not turn off when installed in bracket.	Return entire system to factory for check.

SUBTASK 25-64-00-420-003

- (4) Install the flashlight in the mounting bracket.

————— **END OF TASK** —————

TASK 25-64-00-200-803

9. Flashlight Check (Without Flashing LED Indicator)

A. References

Reference	Title
24-22-00-860-811	Supply Electrical Power (P/B 201)
24-22-00-860-812	Remove Electrical Power (P/B 201)

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-64-00-860-001

- (1) Make sure that electrical power is available. To supply electrical power, do this task: Supply Electrical Power, TASK 24-22-00-860-811

SUBTASK 25-64-00-210-006

- (2) With the flashlight in the mounting bracket, the indicator light (an LED) on the side of the flashlight should be on.

SUBTASK 25-64-00-900-012

- (3) If the indicator light does not come on, do these steps:
- (a) Remove the flashlight from the mounting bracket.
 - (b) Make sure the flashlight comes on.
 - (c) If the light does not come on or is weak, do these steps:
 - 1) Replace the batteries.
 - 2) Do this task again: Flashlight Check.
 - 3) If the light remains weak or does not come on, replace the flashlight.
 - (d) Install the flashlight on the mounting bracket.

SUBTASK 25-64-00-860-002

- (4) If necessary, remove electrical power. To remove electrical power, do this task: Remove Electrical Power, TASK 24-22-00-860-812

————— **END OF TASK** —————

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TASK 25-64-00-900-806

10. Flashlight Battery Replacement

A. General

(1) This procedure is a scheduled maintenance task.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-64-00-900-007

(1) Replace the batteries in the flashlights.

(a) Use the manufacturer's maintenance recommendations for the flashlight or the standard method of your airline to replace the batteries.

————— **END OF TASK** —————

TASK 25-64-00-200-801

11. Smoke Hood (Protective Breathing Equipment) Inspection

A. General

(1) This procedure is a scheduled maintenance task.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-64-00-210-004

(1) Use the applicable steps that follow to do an inspection of the smoke hoods:

NOTE: There are various shapes and sizes of smoke hoods. Most smoke hood containers have warning indicators that show when the smoke hood is no longer good for use.

HAP ALL; AIRPLANES WITH SMOKE HOOD CONTAINERS WITH TAMPER TAGS

(a) Do a visual check of the tamper tags to make sure they are not broken or ripped.

HAP ALL; AIRPLANES WITH SMOKE HOOD CONTAINERS WITH AN INDICATOR WINDOW

(b) Do a visual check of the indicator window on the container to make sure the smoke hood has not filled the window.

HAP ALL; AIRPLANES WITH SMOKE HOOD CONTAINERS WITHOUT AN INDICATOR WINDOW

(c) Feel the smoke hood to make sure it remains hard and solid.

NOTE: The smoke hood is vacuum packed. If the smoke hood feels soft, then the package has a leak.

HAP ALL

————— **END OF TASK** —————

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TASK 25-64-00-900-807

12. Smoke Hood (Protective Breathing Equipment) Restoration

A. General

(1) This procedure is a scheduled maintenance task.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-64-00-900-008

(1) Replace the smoke hoods.

(a) Use the standard method of your airline to replace the smoke hoods.

————— END OF TASK —————

TASK 25-64-00-900-808

13. First Aid Kit Restoration

A. General

(1) This procedure is a scheduled maintenance task.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-64-00-900-009

(1) Replace the first aid kit.

(a) Use the standard method of your airline to replace the first aid kit.

————— END OF TASK —————

TASK 25-64-00-900-809

14. Medical Kit Restoration

A. General

(1) This procedure is a scheduled maintenance task.

B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-64-00-900-010

(1) Replace the medical kit.

(a) Use the standard method of your airline to replace the medical kit.

————— END OF TASK —————

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EMERGENCY LOCATOR TRANSMITTER - REMOVAL/INSTALLATION

1. General

- A. This procedure contains scheduled maintenance task data.
- B. This procedure has these tasks.
 - (1) Removal of the Emergency Locator Transmitter (ELT).
 - (2) Installation of the Emergency Locator Transmitter (ELT).

TASK 25-64-00-000-801

2. Emergency Locator Transmitter (ELT) Removal

- A. General
 - (1) This procedure is a scheduled maintenance task.
- B. Location Zones

Zone	Area
200	Upper Half of Fuselage

C. Procedure

SUBTASK 25-64-00-020-003

- (1) Remove the Emergency Locator Transmitter (ELT) from its stowage bracket.

————— **END OF TASK** —————

TASK 25-64-00-400-801

3. Emergency Locator Transmitter (ELT) Installation

- A. General
 - (1) This procedure is a scheduled maintenance task.
- B. Procedure

SUBTASK 25-64-00-420-004

- (1) Install Emergency Locator Transmitter (ELT) on its stowage bracket.

————— **END OF TASK** —————

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DOOR-MOUNTED ESCAPE SYSTEM - MAINTENANCE PRACTICES

1. General

A. This procedure has these tasks:

- (1) A restoration of the escape system after an escape slide deployment.

TASK 25-66-00-840-801

2. Escape System Restoration

(Figure 201)

A. References

Reference	Title
25-66-01-000-801	Escape Slide Pack and Cover Removal (P/B 401)
25-66-01-400-803	Escape Slide Pack and Cover Installation (P/B 401)

B. Location Zones

Zone	Area
831	Forward Entry Door
834	Left Aft Entry Door
841	Forward Galley Service Door
844	Aft Galley Service Door

C. Procedure

SUBTASK 25-66-00-840-001

- (1) Restore the escape slide as follows:

NOTE: Three persons are necessary to do parts of this procedure. One person in the aircraft disconnects the escape slide. One person on a ladder, external to the aircraft, opens the aspirator flapper door and lowers the escape slide. One person on the ground receives the escape slide.

WARNING: DO NOT USE THE WARNING STRAP TO SUPPORT THE WEIGHT OF A PERSON. IF THE WARNING STRAP SUPPORTS THE WEIGHT OF A PERSON IT CAN BREAK. IF THE WARNING STRAP BREAKS, INJURY TO PERSONS AND DAMAGE TO EQUIPMENT CAN OCCUR.

- (a) Install the door warning strap across the door opening.
- (b) Disconnect the wires from the battery pack to the escape slide lights.

NOTE: The battery pack is located on the bottom surface of the escape slide near the inflation cylinder.

- (c) Open the aspirator flapper door to deflate the escape slide until the escape slide is soft.

NOTE: Make sure the escape slide keeps its shape.

- (d) Disconnect the girt bar from the floor-mounted escape slide brackets.

NOTE: Release tension in the girt to disconnect the girt bar easily.

WARNING: BE CAREFUL WHEN YOU LOWER THE ESCAPE SLIDE. THE ESCAPE SLIDE WEIGHS APPROXIMATELY 50 POUNDS (22.7 KILOGRAMS). IF THE ESCAPE SLIDE AND ITS COMPONENTS FALL, INJURIES TO PERSONS AND DAMAGE TO EQUIPMENT CAN OCCUR.

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(WARNING PRECEDES)

CAUTION: MAKE SURE THE AREA BELOW THE ESCAPE SLIDE IS CLEAR BEFORE YOU LOWER THE ESCAPE SLIDE TO THE GROUND. OBJECTS BELOW THE SLIDE CAN CAUSE DAMAGE TO THE SLIDE AND ITS COMPONENTS.

- (e) Carefully lower the escape slide to the person on the ground.
- (f) Carefully install a clamp on the aspirator to fully deflate the escape slide.
- (g) Remove the clamp from the aspirator.
- (h) Refer to the instructions from the escape slide manufacturer to examine, repair, and repack the escape slide.

SUBTASK 25-66-00-840-002

(2) Restore the door as follows:

- (a) Remove the door warning strap from across the door opening if it is installed.
- (b) Close and latch the door.
- (c) Do this task: Escape Slide Pack and Cover Removal, TASK 25-66-01-000-801.

NOTE: The escape slide pack and girt bar are not in the cover.

- (d) Do this task: Escape Slide Pack and Cover Installation, TASK 25-66-01-400-803.

————— **END OF TASK** —————

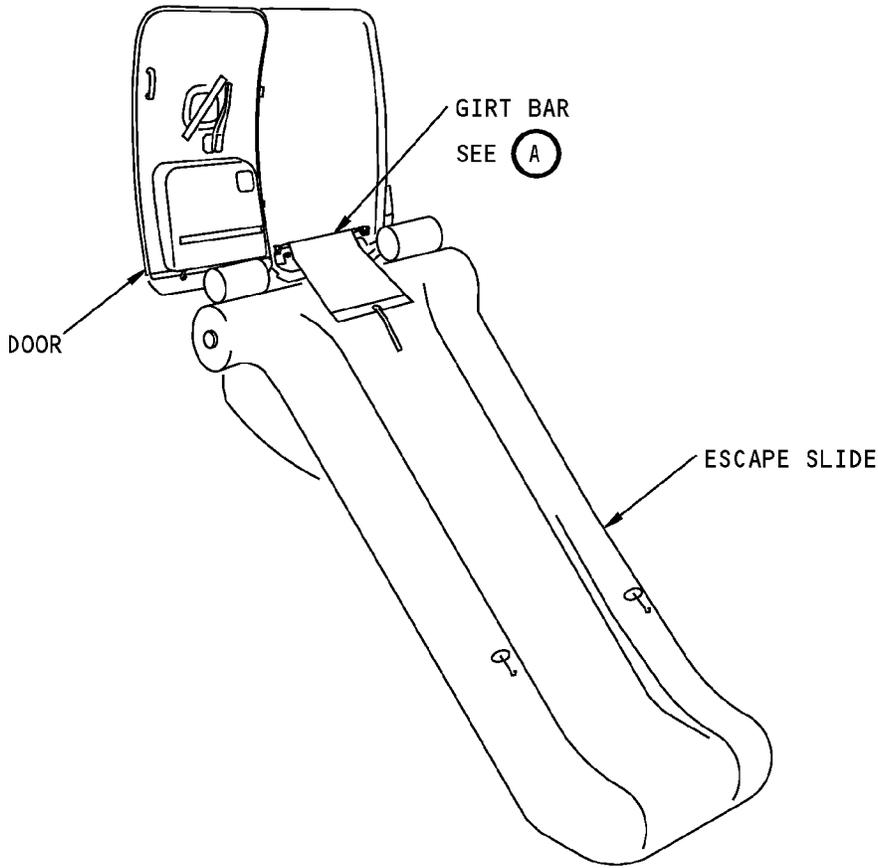
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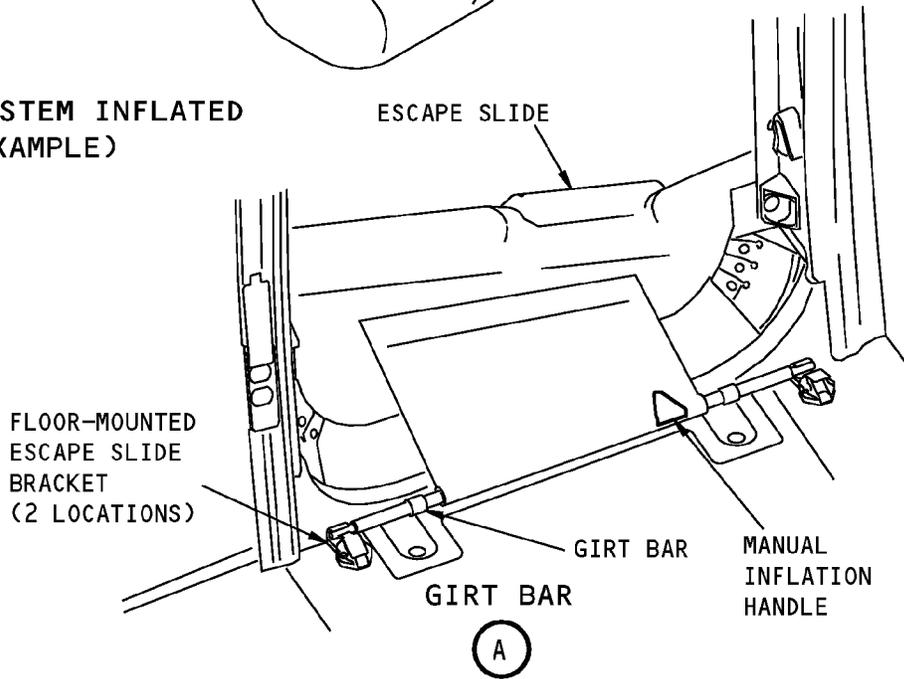
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**ESCAPE SYSTEM INFLATED
(EXAMPLE)**



**Escape System Restoration
Figure 201/25-66-00-990-801**

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DOOR-MOUNTED ESCAPE SYSTEM - ADJUSTMENT/TEST

1. General

- A. This procedure contains scheduled maintenance task data.
- B. This procedure has these tasks:
 - (1) An operational test of the escape system.

TASK 25-66-00-710-801

2. Escape System Operational Test

(Figure 501)

A. General

- (1) This procedure is a scheduled maintenance task.

B. References

Reference	Title
25-66-00-840-801	Escape System Restoration (P/B 201)
25-66-01-200-801	Escape Slide Pack Inflation Cylinder Check (P/B 601)

C. Tools/Equipment

Reference	Description
STD-1146	Pad - Protective, Ensolite or Equivalent 1/2 Inch by 72 Inches by 96 Inches

D. Location Zones

Zone	Area
831	Forward Entry Door
834	Left Aft Entry Door
841	Forward Galley Service Door
844	Aft Galley Service Door

E. Prepare for the Test

SUBTASK 25-66-00-860-001

- (1) Prepare the airplane for the test as follows:

CAUTION: YOU MUST ATTACH THE PROTECTIVE PAD TO THE FUSELAGE BELOW THE APPLICABLE DOOR. IF YOU DO NOT INSTALL THE PROTECTIVE PAD, DAMAGE TO THE FUSELAGE SKIN AND PAINT CAN OCCUR.

- (a) Install the protective pad, STD-1146 to the fuselage below the applicable door with the long side parallel to the ground.
- (b) Put a pad on the ground where the escape slide will inflate.
- (c) Make sure the door is closed and latched.

SUBTASK 25-66-00-210-001

- (2) Do this task: Escape Slide Pack Inflation Cylinder Check, TASK 25-66-01-200-801.

F. Test

SUBTASK 25-66-00-710-001

- (1) Do the operational test of the escape system:
 - (a) Remove the girt bar from the girt bar retainers on the cover.

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(b) Install the girt bar in the floor-mounted escape slide brackets.

WARNING: MAKE SURE THERE ARE NO PERSONS OR EQUIPMENT IN THE AREA BELOW THE DOOR WHERE THE SLIDE WILL INFLATE. WHEN THE SLIDE DEPLOYS, INJURY TO PERSONS OR DAMAGE TO EQUIPMENT CAN OCCUR.

(c) Move the interior handle to the open position and open the door fully.

(d) Make sure the escape slide fully inflates in 0-10 seconds after the escape slide releases from the door.

(e) If the escape slide does not inflate automatically, pull the manual inflation handle to inflate the escape slide.

(f) Make sure the escape slide is fully inflated.

(g) Make sure the lights on the slide are on.

G. Put the Airplane Back to Its Usual Condition

SUBTASK 25-66-00-860-002

(1) Do this task: Escape System Restoration, TASK 25-66-00-840-801.

————— **END OF TASK** —————

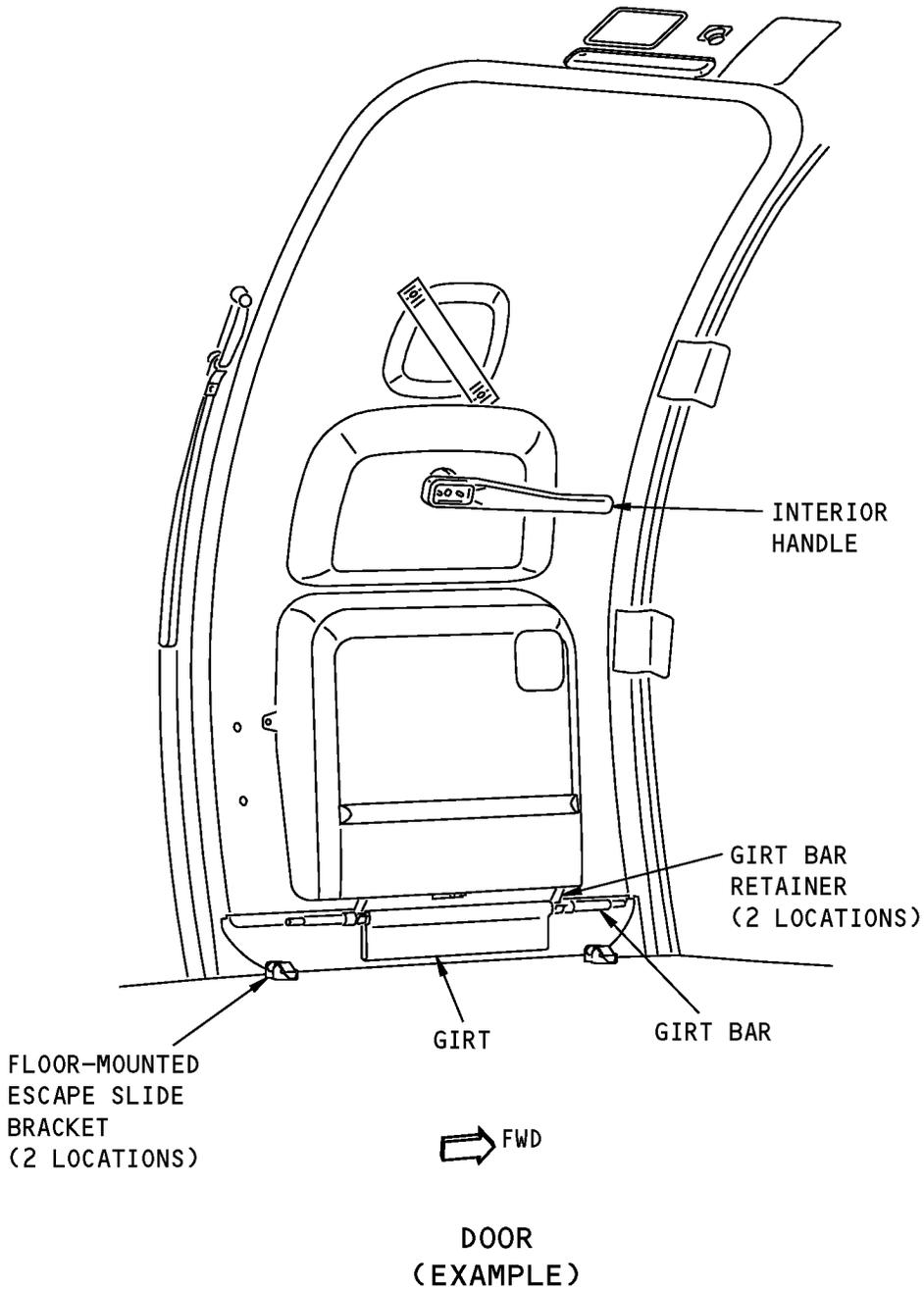
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**Escape System Operational Test
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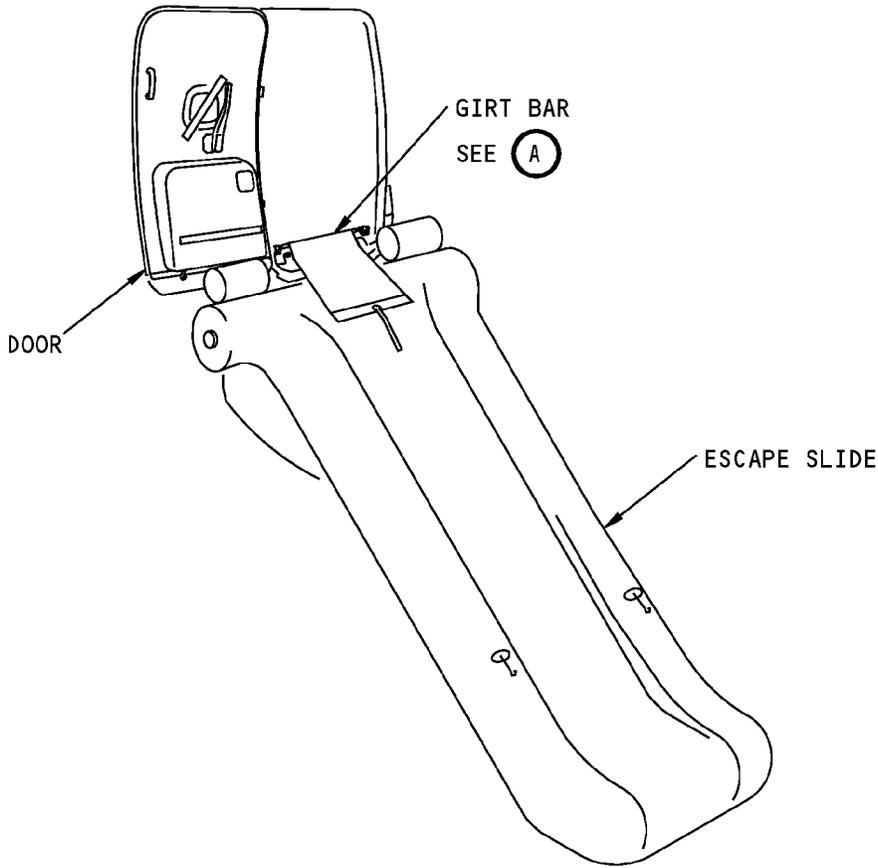
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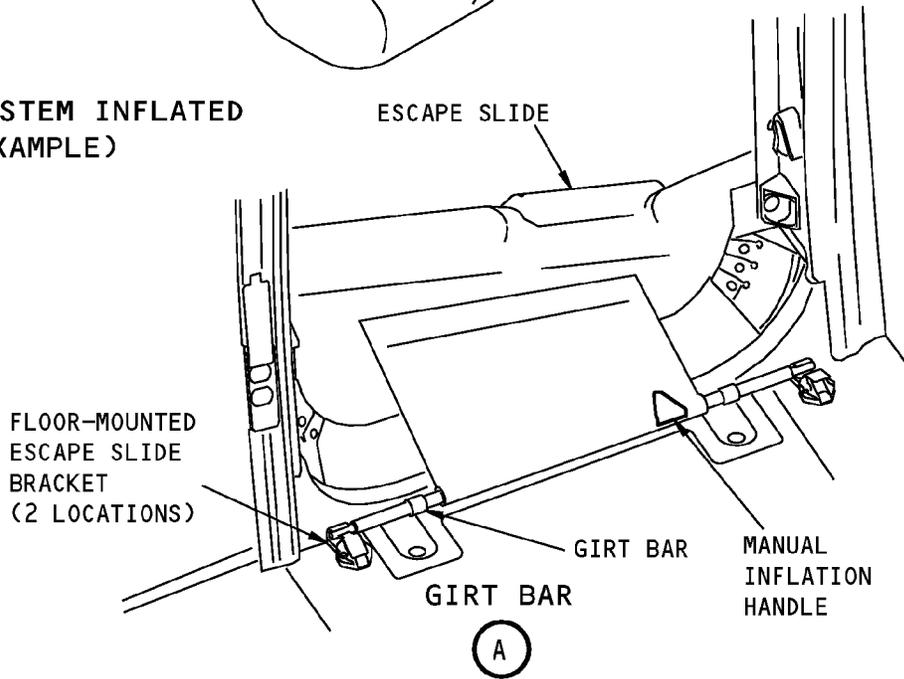
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**ESCAPE SYSTEM INFLATED
(EXAMPLE)**



**Escape System Operational Test
Figure 501 (Sheet 2 of 2)/25-66-00-990-802**

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DOOR-MOUNTED ESCAPE SYSTEM - REMOVAL/INSTALLATION

1. General

- A. This procedure contains scheduled maintenance task data.
- B. This procedure has these tasks:
 - (1) A removal of the escape slide pack and cover.
 - (2) An installation of the escape slide pack and cover.
 - (3) A removal of the escape slide pack.
 - (4) An installation of the escape slide pack.
 - (5) A removal of the escape slide girt bar.
 - (6) An installation of the escape slide girt bar.
- C. This procedure is the same for the entry or galley service door.
- D. Two persons are necessary to lift or move the escape slide pack and cover. The weight of the escape slide pack and cover is approximately 55 pounds (24.94 kilograms).

TASK 25-66-01-000-801

2. Escape Slide Pack and Cover Removal

(Figure 401)

A. Location Zones

Zone	Area
831	Forward Entry Door
834	Left Aft Entry Door
841	Forward Galley Service Door
844	Aft Galley Service Door

B. Prepare for the Removal

SUBTASK 25-66-01-860-001

- (1) Make sure the door is safe as follows:
 - (a) Make sure the door is closed and latched.

WARNING: MAKE SURE THE GIRT BAR IS INSTALLED IN THE GIRT BAR RETAINER. IF THE GIRT BAR IS NOT INSTALLED IN THE GIRT BAR RETAINERS, ACCIDENTAL INFLATION OF THE ESCAPE SLIDE CAN OCCUR. THIS CAN CAUSE INJURIES TO PERSONS OR DAMAGE TO EQUIPMENT.

- (b) Make sure the girt bar [4] is installed in the girt bar retainers [5].

C. Removal

SUBTASK 25-66-01-020-001

- (1) Remove the escape slide pack and cover [2] from the door as follows:
 - (a) Remove the screws [9] and washers [10] that attach the cover [3] to the door.
 - 1) Make a note of the screw [9] lengths and locations for the subsequent installation.
 - (b) Pull the top of the cover [3] inboard until it is clear of the door structure.

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WARNING: THE ESCAPE SLIDE PACK AND COVER WEIGH APPROXIMATELY 55 POUNDS (24.94 KILOGRAMS). BE CAREFUL WHEN YOU LIFT OR MOVE THE ESCAPE SLIDE PACK AND COVER. IF YOU LIFT OR MOVE THE ESCAPE SLIDE PACK AND COVER INCORRECTLY, INJURIES TO PERSONS OR DAMAGE TO EQUIPMENT CAN OCCUR.

- (c) Lift and remove the escape slide pack and cover [2] to disengage the lower fitting [15] from the bottom support bracket [14].
(d) Put the escape slide pack and cover [2] on a clean horizontal surface with the cover backing pan [11] against the horizontal surface.

SUBTASK 25-66-01-860-006

WARNING: MAKE SURE YOU PUT THE SAFETY PIN INTO THE INFLATION CYLINDER VALVE. IF YOU DO NOT PUT THE SAFETY PIN INTO THE VALVE, THE ESCAPE SLIDE CAN ACCIDENTALLY INFLATE. THIS CAN CAUSE INJURIES TO PERSONS OR DAMAGE TO EQUIPMENT.

- (2) When you work on the escape slide pack [26], make sure that you put the safety pin [19] into the inflation cylinder valve [17].

END OF TASK

TASK 25-66-01-400-803

3. Escape Slide Pack and Cover Installation

(Figure 401)

A. Location Zones

Table with 2 columns: Zone, Area. Rows: 831 Forward Entry Door, 834 Left Aft Entry Door, 841 Forward Galley Service Door, 844 Aft Galley Service Door

B. Prepare for the Installation

SUBTASK 25-66-01-410-004

- (1) If the escape slide pack [26] is not installed in the cover [3], do this task: Escape Slide Pack Installation, TASK 25-66-01-400-801.

SUBTASK 25-66-01-410-005

- (2) Make sure the door is closed and latched.

SUBTASK 25-66-01-410-006

- (3) Do the following steps to make sure that the safety pin [19] is not installed in the inflation cylinder valve [17]:
(a) Put the escape slide pack and cover [2] on a clean flat horizontal surface with the backing pan [11] against the clean flat horizontal surface.
(b) Remove the latch [7] from the latch bracket [13].
(c) Open the cover [3] sufficiently to see the inflation cylinder valve [17].

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WARNING: REMOVE THE SAFETY PIN FROM THE INFLATION CYLINDER VALVE. THE ESCAPE SLIDE WILL NOT OPERATE IF THE SAFETY PIN IS IN THE INFLATION CYLINDER VALVE. IF THE ESCAPE SLIDE DOES NOT OPERATE, PERSONS MAY BE INJURED.

(d) Make sure a safety pin [19] is not installed in the inflation cylinder valve [17].

C. Installation

SUBTASK 25-66-01-420-004

(1) Install the escape slide pack and cover [2] on the door as follows:

WARNING: BE CAREFUL WHEN YOU LIFT THE ESCAPE SLIDE PACK AND COVER. THE ESCAPE SLIDE WEIGHS APPROXIMATELY 55 POUNDS (24.94 KILOGRAMS). IF YOU ARE NOT CAREFUL, INJURIES TO PERSONS AND DAMAGE TO EQUIPMENT CAN OCCUR.

(a) Install the escape slide pack and cover [2] on the door so the lower fitting [15] engages the bottom support bracket [14].

(b) Push the top of the escape slide pack and cover [2] outboard until it is against the door.

(c) Install the screws [9] and washers [10] that attach the cover [3] to the door.

1) Make sure to use the correct length screw [9], as noted in the removal procedure.

NOTE: If the screws [9] have different lengths, then use the shorter on the right side of the cover as you face the applicable door.

(d) Make sure you can arm the escape slide by installing the girt bar [4] into the floor-mounted brackets [8].

(e) Install the girt bar [4] into the girt bar retainer [5].

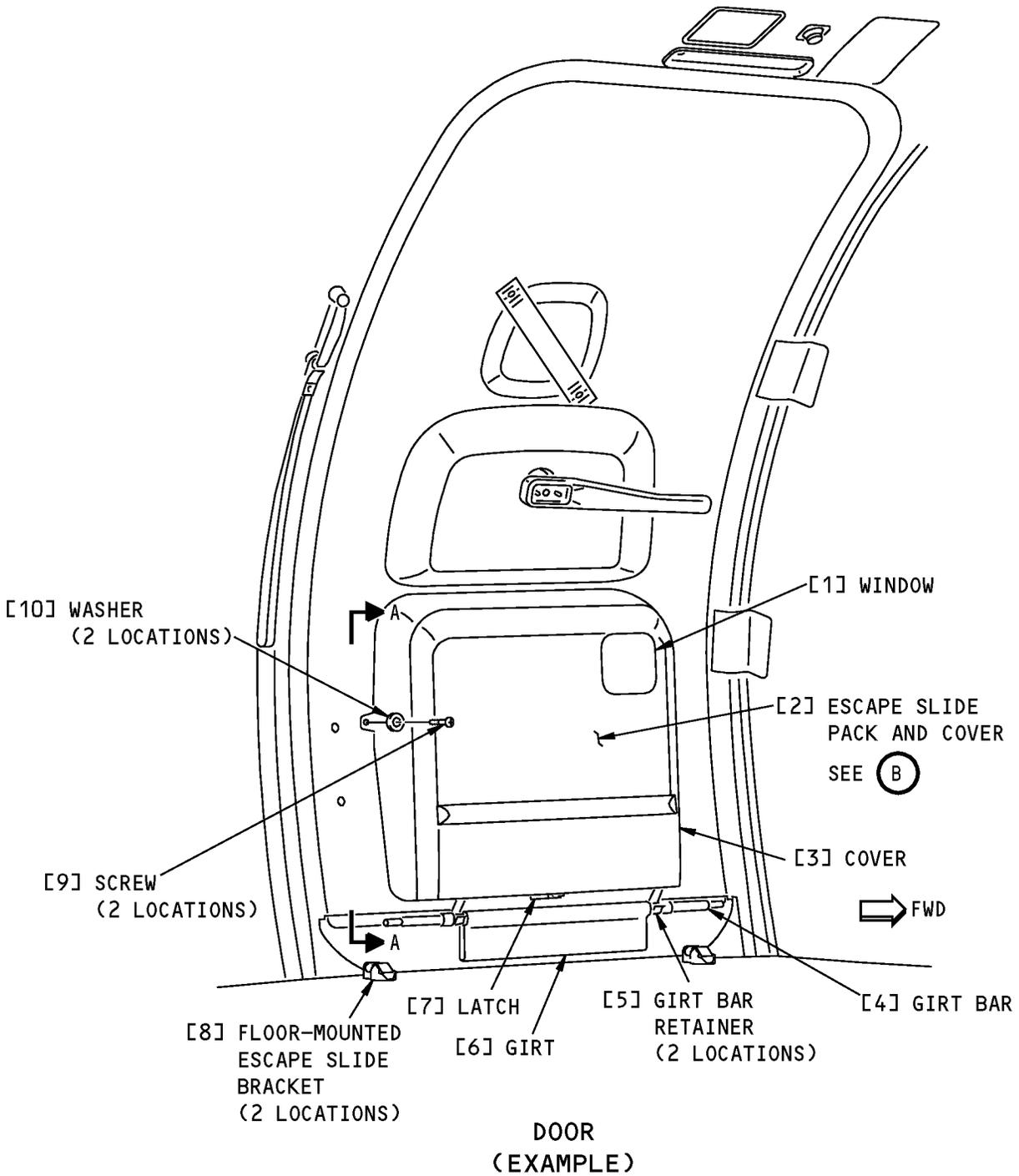
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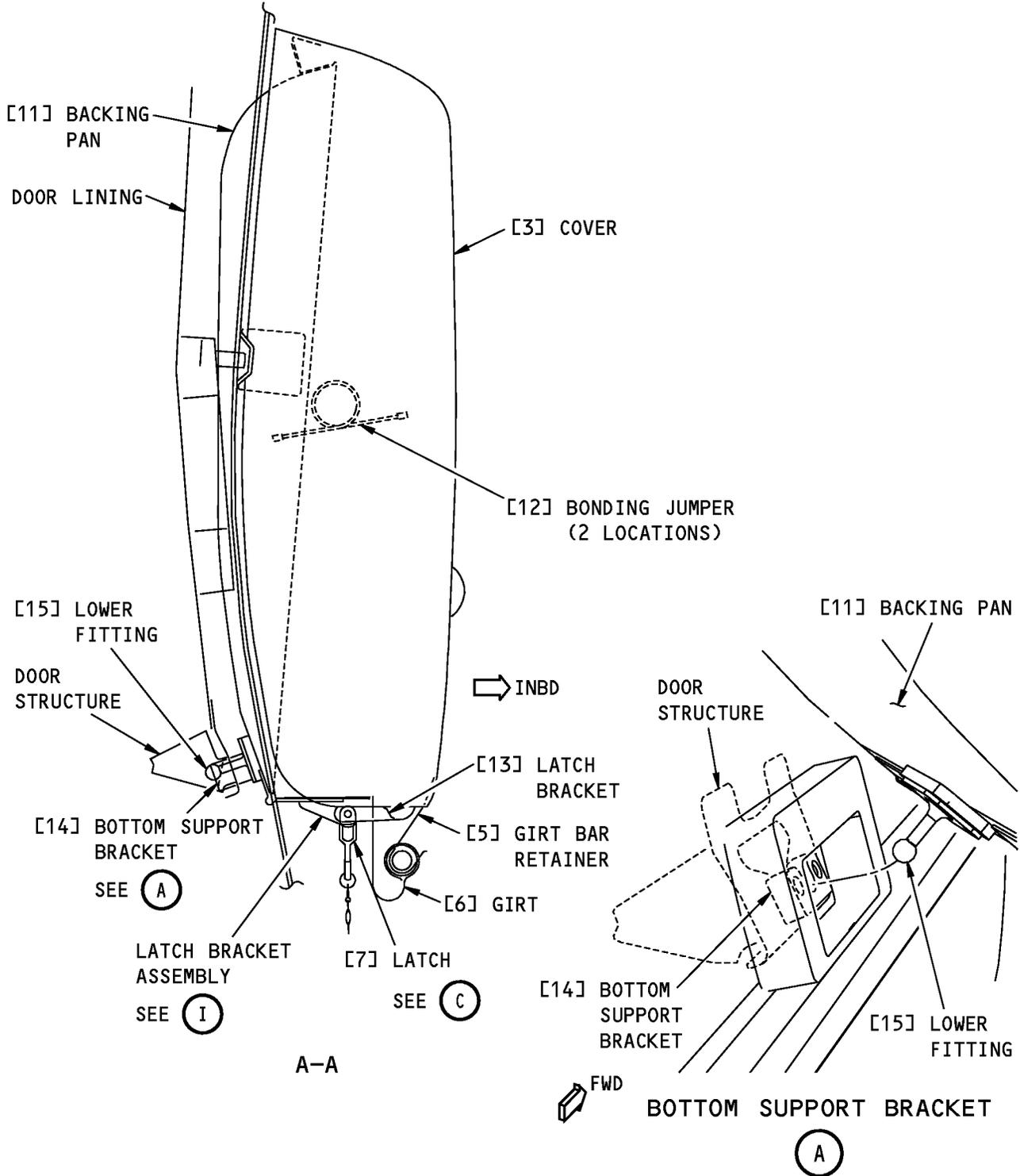
**Escape System Installation
Figure 401 (Sheet 1 of 7)/25-66-01-990-805**

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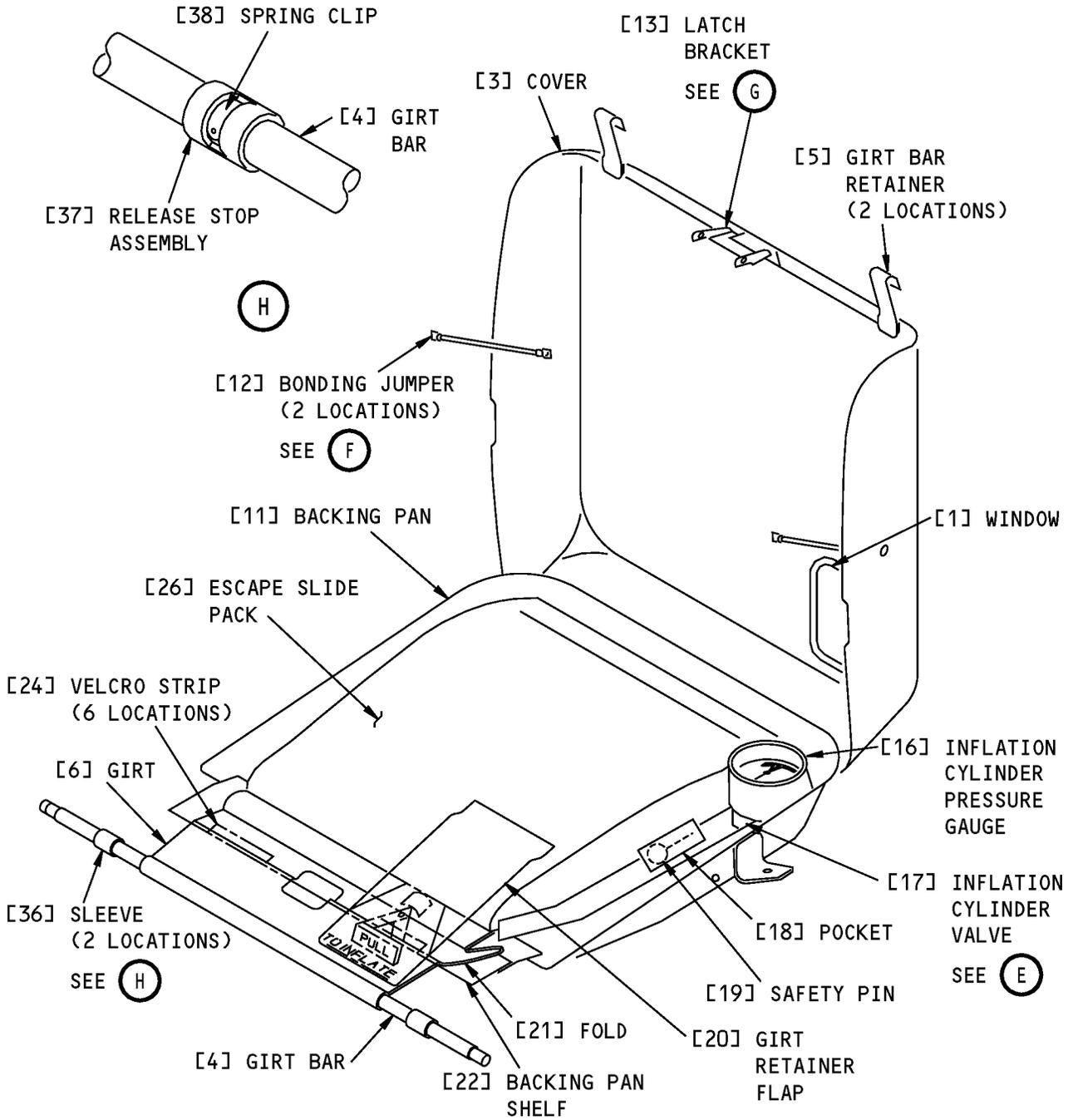
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**Escape System Installation
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**ESCAPE SLIDE PACK AND COVER
(GALLEY SERVICE DOOR)**

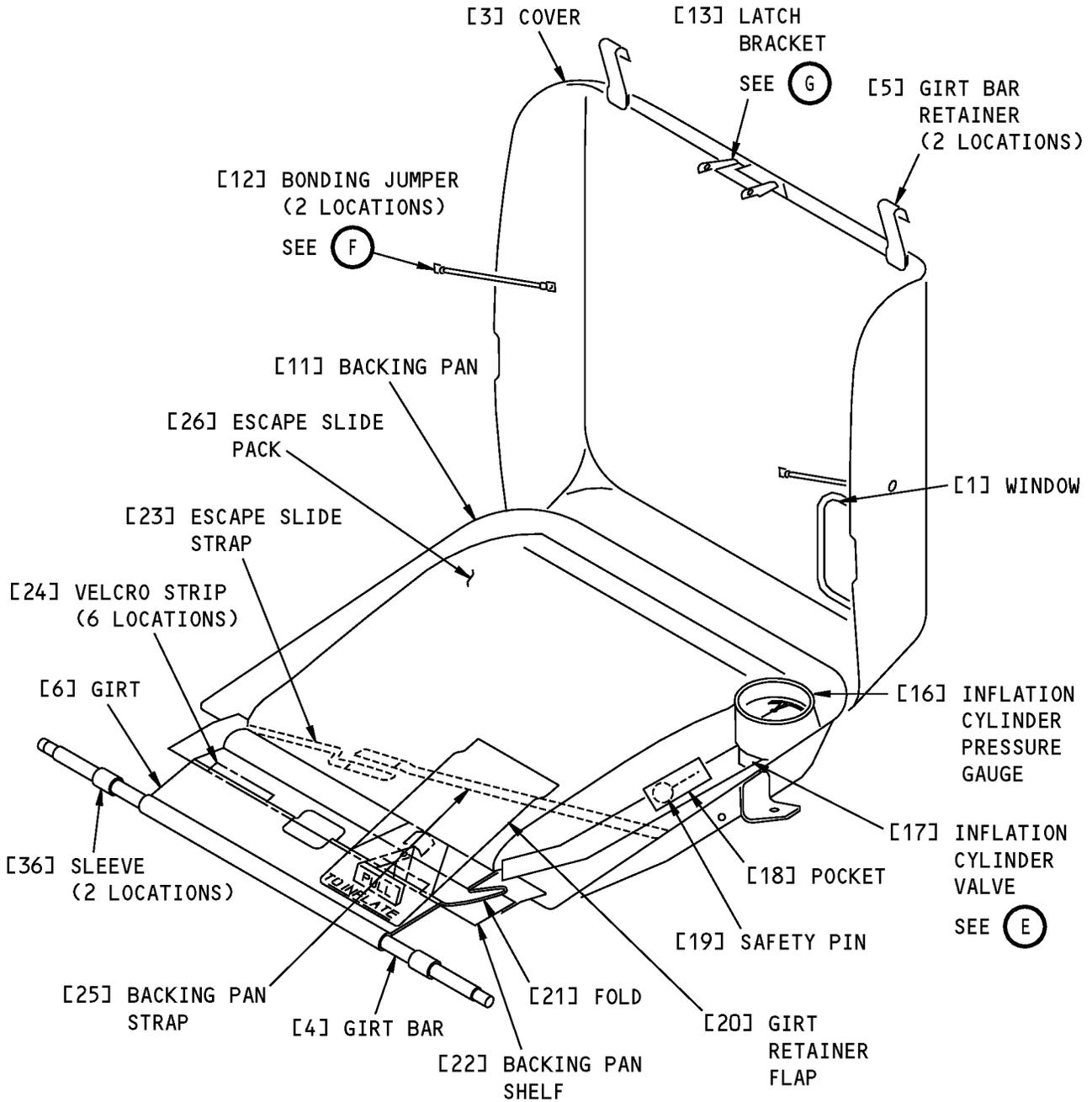
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Escape System Installation
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HAP 010-013, 015-026, 028-054, 101-999; HAP 001-009 POST
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**ESCAPE SLIDE PACK AND COVER
(GALLEY SERVICE DOOR)**

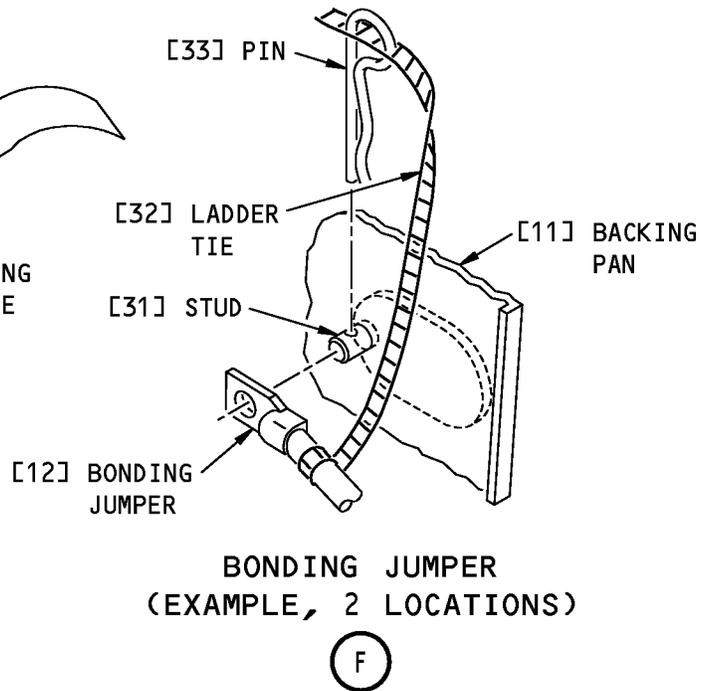
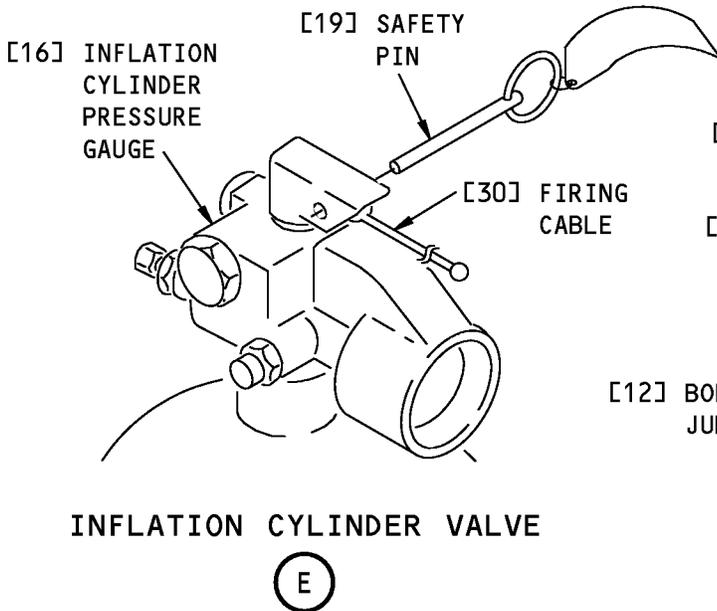
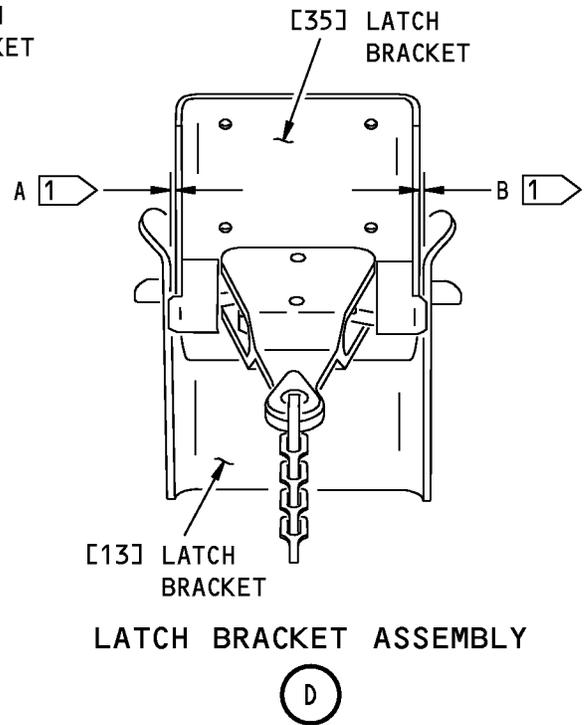
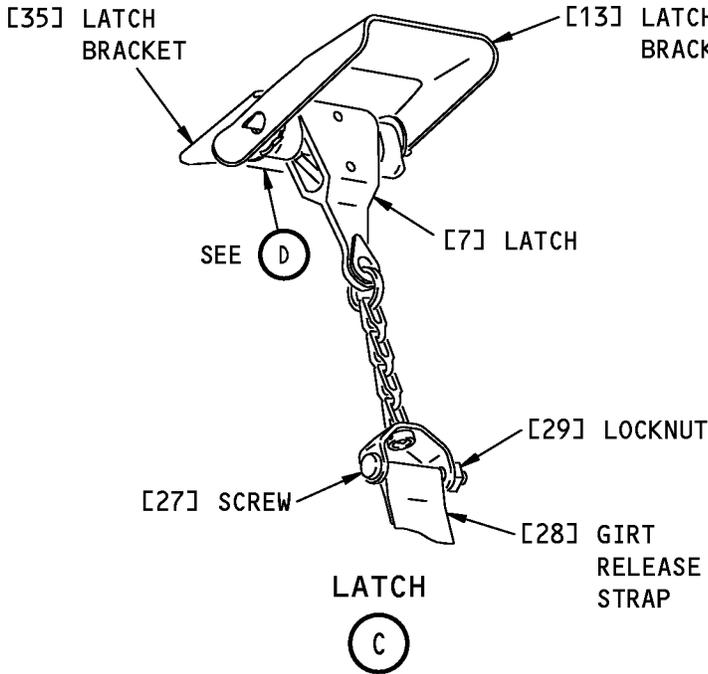
(B)

Escape System Installation
Figure 401 (Sheet 4 of 7)/25-66-01-990-805

EFFECTIVITY
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[1] THE SUM OF THE CLEARANCES AT A AND B MUST BE NO MORE THAN 0.01 INCH (0.254 mm)

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Escape System Installation
Figure 401 (Sheet 5 of 7)/25-66-01-990-805

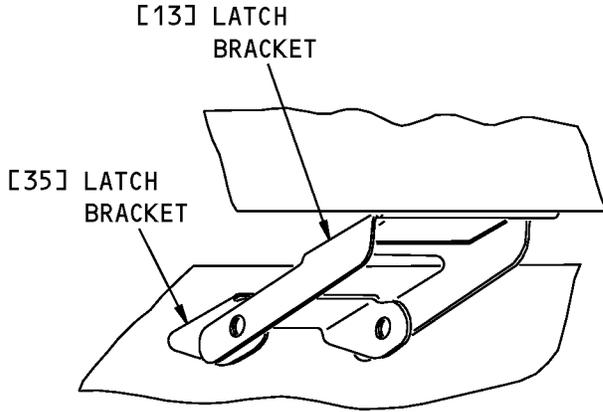
EFFECTIVITY
HAP ALL

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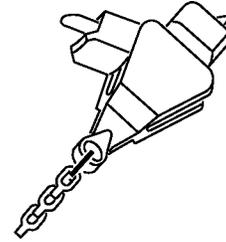
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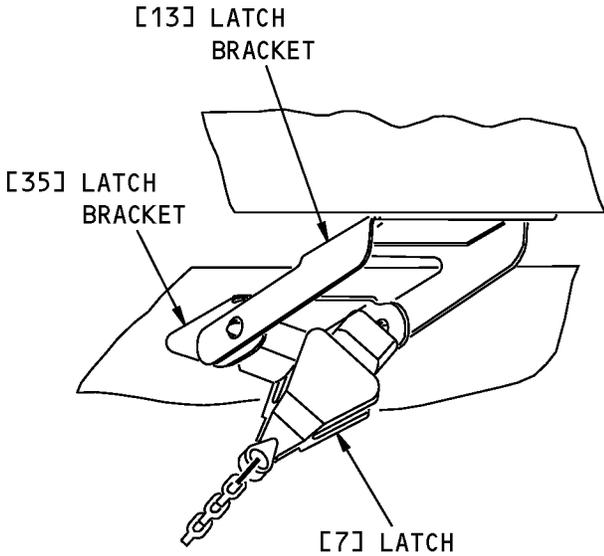
AIRCRAFT MAINTENANCE MANUAL



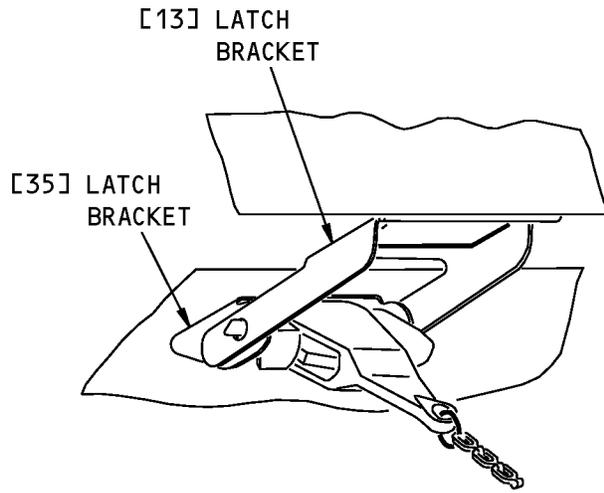
**STEP 1
(ALIGN BRACKETS)**



**STEP 2
(COCK LATCH)**



**STEP 3
(POSITION LATCH AS SHOWN)**



**STEP 4
(LATCH IN LOCKED POSITION)**

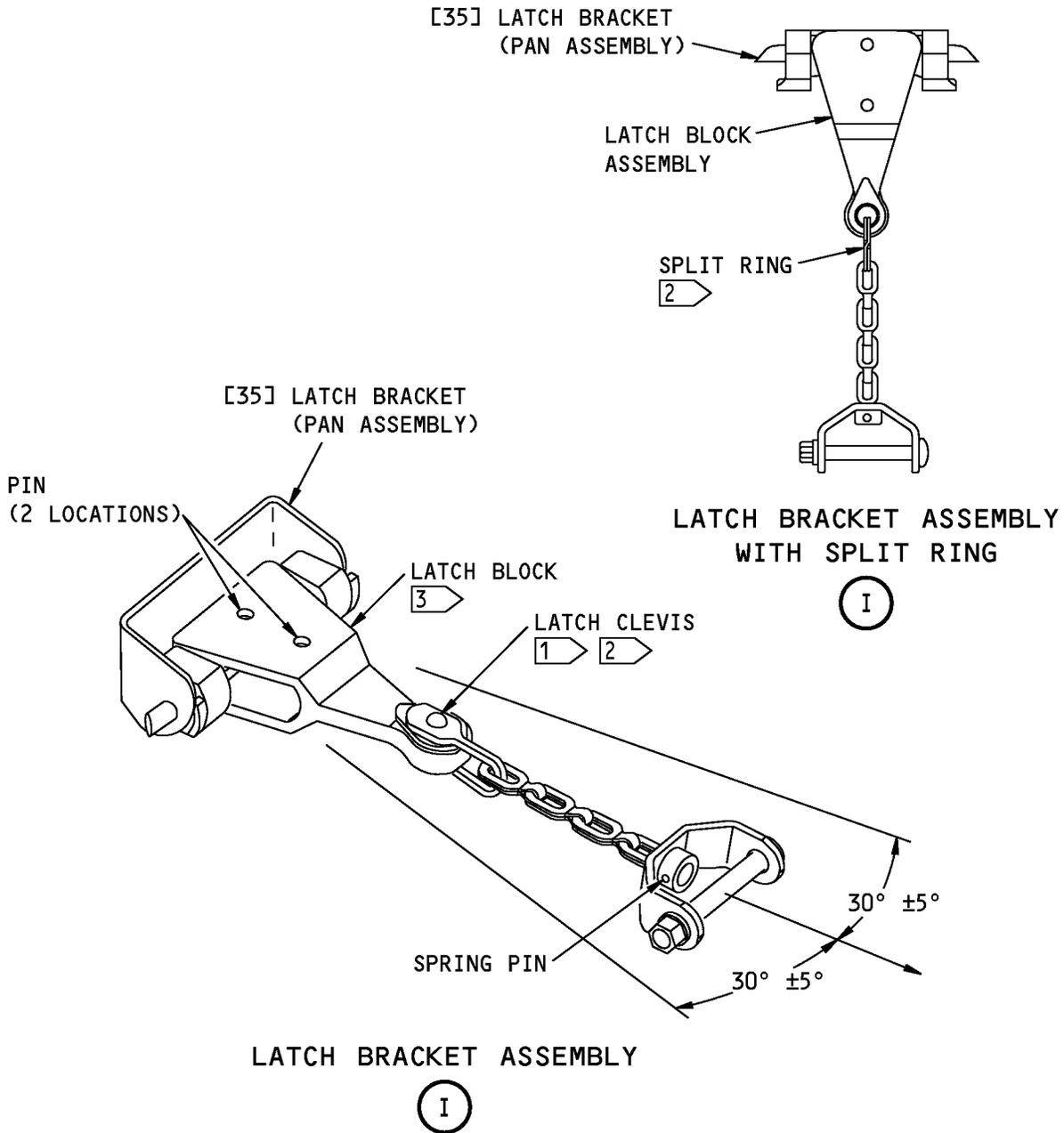


**Escape System Installation
Figure 401 (Sheet 6 of 7)/25-66-01-990-805**

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NOTE: THE LATCH ASSEMBLY MUST RELEASE AT 30 DEGREES PLUS OR MINUS 5 DEGREES.

- 1 MAKE SURE THAT THE CLEVIS CAN ROTATE FREELY IN THE LATCH BLOCK ASSEMBLY.
- 2 EACH ESCAPE SLIDE WILL HAVE ONE LATCH CLEVIS OR ONE SPLIT RING.
- 3 USE A MAXIMUM OF 15 POUNDS OF FORCE TO RELEASE THE LATCH.

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**Escape System Installation
Figure 401 (Sheet 7 of 7)/25-66-01-990-805**

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TASK 25-66-01-000-802

4. Escape Slide Pack Removal

(Figure 401)

A. General

- (1) This procedure is a scheduled maintenance task.

B. Location Zones

Zone	Area
831	Forward Entry Door
834	Left Aft Entry Door
841	Forward Galley Service Door
844	Aft Galley Service Door

C. Prepare for the Removal

SUBTASK 25-66-01-010-001

- (1) If the escape slide pack and cover [2] are installed on the door, do this task: Escape Slide Pack and Cover Removal, TASK 25-66-01-000-801.

D. Removal

SUBTASK 25-66-01-420-001

- (1) Remove the escape slide pack [26] from the cover [3] as follows:

- (a) Remove the girt bar [4] from the girt bar retainers [5].
- (b) Remove the latch [7] from the latch bracket [13].
- (c) Open the cover [3] to get access to the bonding jumpers [12].

NOTE: When the compartment is open, the escape slide pack can expand. Plan the work so the compartment is open for a minimum time to avoid the expansion of the escape slide pack.

- (d) Remove the pin [33], ladder tie [32], and stud [31] that attach the bonding jumpers [12] to the backing pan [11] as shown.
- (e) Fully open the cover [3] to get access to the escape slide pack [26].
- (f) Remove the safety pin [19] from the pocket [18] on the escape slide pack [26].

WARNING: MAKE SURE YOU PUT THE SAFETY PIN INTO THE INFLATION CYLINDER VALVE. IF YOU DO NOT PUT THE SAFETY PIN INTO THE VALVE, THE ESCAPE SLIDE CAN ACCIDENTALLY INFLATE. THIS CAN CAUSE INJURIES TO PERSONS OR DAMAGE TO EQUIPMENT.

- (g) Put the safety pin [19] into the inflation cylinder valve [17] as shown.

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- (h) Disconnect the escape slide strap [23] from the backing pan strap [25].

NOTE: The straps are behind the escape slide pack [26] and in the backing pan [11].

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- (i) Remove the escape slide pack [26] from the backing pan [11] and put it on a clean horizontal surface.

NOTE: The slide must be installed in the transport box immediately after removal from the backing pan. If it takes too long, the slide will grow and not fit into the backing pan.

- (j) If required, remove the locknut [29] and screw [27] to remove the latch [7] from the girt release strap [28].

NOTE: The latch [7] may be needed for a replacement escape slide.

END OF TASK

TASK 25-66-01-400-801

5. Escape Slide Pack Installation

(Figure 401)

A. General

- (1) This procedure is a scheduled maintenance task.

B. References

Table with 2 columns: Reference, Title. Row 1: 25-66-01-990-803, Figure: Escape System Inspection (P/B 601)

C. Location Zones

Table with 2 columns: Zone, Area. Rows: 831 Forward Entry Door, 834 Left Aft Entry Door, 841 Forward Galley Service Door, 844 Aft Galley Service Door

D. Prepare for the Installation

SUBTASK 25-66-01-860-002

- (1) Make sure the cover [3] and backing pan [11] are on a clean horizontal surface with the backing pan [11] against the clean horizontal surface.

SUBTASK 25-66-01-860-004

- (2) Make sure the cover [3] is open.

NOTE: When the compartment is open, the escape slide pack can expand. Plan the work so the compartment is open for a minimum time to avoid the expansion of the escape slide pack.

SUBTASK 25-66-01-700-002

- (3) Do a check of the latch release, Figure 25-66-01-990-803. (a) Make sure that the pan assembly latch [35] releases easily through its range of angular motion. (b) Make sure that the pan assembly latch [35] releases with a maximum of 15 pounds of force.

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SUBTASK 25-66-01-860-005

WARNING: IF THE SAFETY PIN IS NOT IN THE INFLATION CYLINDER VALVE, THE ESCAPE SLIDE CAN ACCIDENTALLY INFLATE. ACCIDENTAL INFLATION OF THE ESCAPE SLIDE CAN CAUSE INJURIES TO PERSONS AND DAMAGE TO EQUIPMENT.

(4) Make sure the safety pin [19] is in the inflation cylinder valve [17].

E. Installation of the Escape Slide Pack

SUBTASK 25-66-01-420-002

(1) Install the escape slide pack [26] in the cover [3] as follows:

NOTE: The slide must be installed in the backing pan immediately after removal from the transport box. If it takes too long, the slide will grow and not fit into the backing pan.

(a) Put the escape slide pack [26] in the backing pan [11].

NOTE: If the escape slide pack expands and can not be fitted into the compartment, a new escape slide pack must be installed.

HAP 001-009 PRE SB 737-25-1378

(b) Connect the escape slide strap [23] and the backing pan strap [25] under the escape slide pack [26].

HAP ALL

(c) Make a "Z" fold [21] in the girt [6] as shown.

(d) Align and push together the velcro strips [24] on the bottom side of the girt [6] with the velcro strips [24] on the backing pan shelf [22].

NOTE: The velcro strips should be clean and function as intended.

(e) Align and push together the velcro strip [24] on the girt retainer flap [20] and the velcro strip [24] on the girt [6].

(f) If required, install the screw [27] and locknut [29] to attach the latch [7] to the girt release strap [28].

(g) Make sure there is no tension in the firing cable [30]. If there is tension in the firing cable [30], do not remove the safety pin [19].

1) Make sure the slide is correctly installed in the backing pan [11].

2) Make sure the "Z" fold in the girt is correct.

WARNING: BE CAREFUL WHEN YOU HANDLE THE ESCAPE SLIDE PACK. WHEN THE SAFETY PIN IS REMOVED FROM THE INFLATION CYLINDER VALVE, THE ESCAPE SLIDE CAN ACCIDENTALLY INFLATE. THIS CAN CAUSE INJURIES TO PERSONS OR DAMAGE TO EQUIPMENT.

(h) Remove the safety pin [19] from the inflation cylinder valve [17].

(i) Put the safety pin [19] into the pocket [18] on the escape slide pack [26].

(j) Close the cover [3] sufficiently to connect the bonding jumpers [12] to the backing pan [11].

(k) Install the stud [31], ladder tie [32] and pin [33] to attach the bonding jumpers [12] to the backing pan [11].

(l) Close the cover [3].

(m) Make sure you can clearly see the inflation cylinder pressure gage [16] in the the window [1]. If necessary, adjust as follows:

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- 1) Move the escape slide pack [26] to get the pressure gage [16] in the center of the window [1].
- (n) Make sure the distance between the center of the lower edge of the cover [3] to the center of the girt bar [4] is 10.5-12.0 inches (226.7-304.8 mm).
- (o) Align the holes in the latch bracket [13] and latch bracket [35] to install the latch [7].
- (p) Install the latch [7] in the latch bracket [13] and latch bracket [35] as shown.
- (q) Make sure that the sum of the clearances at 'A' and 'B' between the latch brackets [13] and [35] is no more than 0.01 inch (0.254 mm) (Figure 401).
- (r) Install the girt bar [4] in the girt bar retainers [5].

————— **END OF TASK** —————

TASK 25-66-01-000-803

6. Escape Slide Girt Bar Removal

(Figure 401)

A. Tools/Equipment

Reference	Description
STD-1242	Hammer - Standard
STD-3908	Punch - Standard

B. Location Zones

Zone	Area
831	Forward Entry Door
834	Left Aft Entry Door
841	Forward Galley Service Door
844	Aft Galley Service Door

C. Prepare for the Removal

SUBTASK 25-66-01-860-007

- (1) The door should be fully closed or fully open to do this procedure.
 - (a) Remove the girt bar [4] from the girt bar retainers [5].

D. Escape Slide Girt Bar Removal

SUBTASK 25-66-01-020-002

- (1) For the girt bars with a sleeve [36] and spring pin on each end of the girt bar [4], do these steps:
 - (a) Remove one spring pin from one of the sleeves [36] using a standard hammer, STD-1242 and standard punch, STD-3908.

NOTE: Use pliers to help in the removal when the pin is not fully out of the sleeve [36].
 - (b) Slide the sleeve [36] off the girt bar [4].
 - (c) Pull the girt bar [4] out of the girt bar material [6].

SUBTASK 25-66-01-020-003

- (2) For the girt bars with the release stop assembly [37] and spring clip [38], do these steps:
 - (a) Using a flat head screw driver or equivalent, lift the spring clip [38] until the pin comes out of the hole in the release stop assembly [37].
 - (b) Slide the release stop assembly [37] off the girt bar [4].

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(c) Pull the girt bar [4] out of the girt bar material [6].

————— END OF TASK —————

TASK 25-66-01-000-804

7. Escape Slide Girt Bar Installation

(Figure 401)

A. Location Zones

Zone	Area
831	Forward Entry Door
834	Left Aft Entry Door
841	Forward Galley Service Door
844	Aft Galley Service Door

B. Prepare for the Installation

SUBTASK 25-66-01-860-008

(1) The door should be fully closed or fully open to do this procedure.

C. Escape Slide Girt Bar Installation

SUBTASK 25-66-01-020-004

(1) For the girt bars with a sleeve [36] and spring pin on each end of the girt bar [4], do these steps:

- (a) With a sleeve [36] and spring pin removed from one end, slide the girt bar [4] through the girt bar material [6].
- (b) Slide the sleeve [36] on to the girt bar [4].
- (c) Align the holes in the sleeve [36] with the holes in the girt bar [4].
- (d) Install a spring pin in the hole.

NOTE: The spring pin should be flush with each end of the sleeve [36] when completed.

SUBTASK 25-66-01-020-005

(2) For the girt bars with the release stop assembly [37] and spring clip [38], do these steps:

- (a) With the release stop assembly [37] removed from the girt bar [4], slide the girt bar [4] through the girt bar material [6].
- (b) Slide the release stop assembly [37] on to the girt bar [4].
- (c) Align the hole in the girt bar [4] with the hole in the release stop assembly [37].

NOTE: When the holes are properly aligned, the spring clip [38] pin will release and engage the hole on the release stop assembly [37] and girt bar [4].

(d) When the spring clip [38] is engaged, make sure the release stop assembly [37] will not rotate around the girt bar [4].

NOTE: The release stop assembly [37] will not rotate when installed correctly.

————— END OF TASK —————

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DOOR-MOUNTED ESCAPE SYSTEM - INSPECTION/CHECK

1. General

- A. This procedure contains scheduled maintenance task data.
- B. This procedure has these tasks:
 - (1) Escape Slide Pack Inflation Cylinder Check.
 - (2) Escape Slide Pack Check.

TASK 25-66-01-200-801

2. Escape Slide Pack Inflation Cylinder Check

(Figure 601)

A. General

- (1) This procedure is a scheduled maintenance task.
- (2) The pressure gage of the escape slide pack inflation cylinder has a temperature compensator.

B. Location Zones

Zone	Area
831	Forward Entry Door
834	Left Aft Entry Door
841	Forward Galley Service Door
844	Aft Galley Service Door

C. Procedure

SUBTASK 25-66-01-210-001

- (1) Do a check of the inflation cylinder pressure level:
 - (a) Make sure the temperature is constant (+ - 5 degrees F / + - 3 degrees C) for two hours or more.
 - (b) Look through the window in the cover at the inflation cylinder pressure gage.
 - (c) Make sure the pressure indicator needle is in the GO band (green) or not more than one needle width to the right of the GO band (green).

NOTE: It is best to do a check on the pressure gage when it has been at a constant temperature for 2 hours or more. The GO band (green) moves more quickly than the pressure gage needle in response to a large temperature change. This can cause an incorrect pressure indication.

- (d) If you will do an initial install of the escape slide assembly, make sure the pressure indicator needle aligns with the black line on the GO band (green).

NOTE: The escape slide will operate with the pressure indicator needle at the left side of the GO band (green). This is not recommended for the initial installation of the escape slide assembly.

————— **END OF TASK** —————

EFFECTIVITY HAP ALL	
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TASK 25-66-01-200-802

3. Escape Slide Pack Check

(Figure 602)

A. References

Reference	Title
25-66-01-400-801	Escape Slide Pack Installation (P/B 401)

B. Location Zones

Zone	Area
831	Forward Entry Door
834	Left Aft Entry Door
841	Forward Galley Service Door
844	Aft Galley Service Door

C. Procedure

SUBTASK 25-66-01-210-002

- (1) This procedure is a scheduled maintenance task.
- (2) Do a check of the escape slide pack as follows:
 - (a) Examine the escape slide girt for fraying.
 - (b) Look for worn areas.
 - (c) Repair or replace the slide pack or the girt if you find damage that could cause the slide to operate incorrectly.

NOTE: Refer to the vendor Component Maintenance Manual for repair instructions.

- (d) Make sure the fasteners that attach the escape slide pack cover to the door are tight.
- (e) Examine the escape slide girt bar:
 - 1) Remove the girt bar from the girt bar retaining clips.
 - 2) Remove the pins and collars to release the girt bar.
 - 3) Make sure there is no corrosion on the girt bar.
 - 4) Install the pins and collars on the girt bar.
 - 5) Install the girt bar in the girt bar retaining clips.
- (f) Make sure there is no corrosion on the latch.
 - 1) Make sure that the spring pins are not corroded or bent.

HAP 001-013 PRE SB 737-25-1404

- (g) Do a check of the latch assembly.
 - 1) Make sure that the latch block assembly turns freely.
 - 2) Make sure that the split ring is soldered correctly.
 - 3) Make sure that the split ring is not bent.

HAP 015-026, 028-054, 101-999; HAP 001-013 POST SB 737-25-1404

- (h) Do a check of the latch assembly Escape Slide Pack Installation, TASK 25-66-01-400-801.
 - 1) Make sure that the latch block assembly turns freely.

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HAP 015-026, 028-054, 101-999; HAP 001-013 POST SB 737-25-1404 (Continued)

- 2) Make sure that the clevis bolt turns freely in the latch block.

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————— **END OF TASK** —————

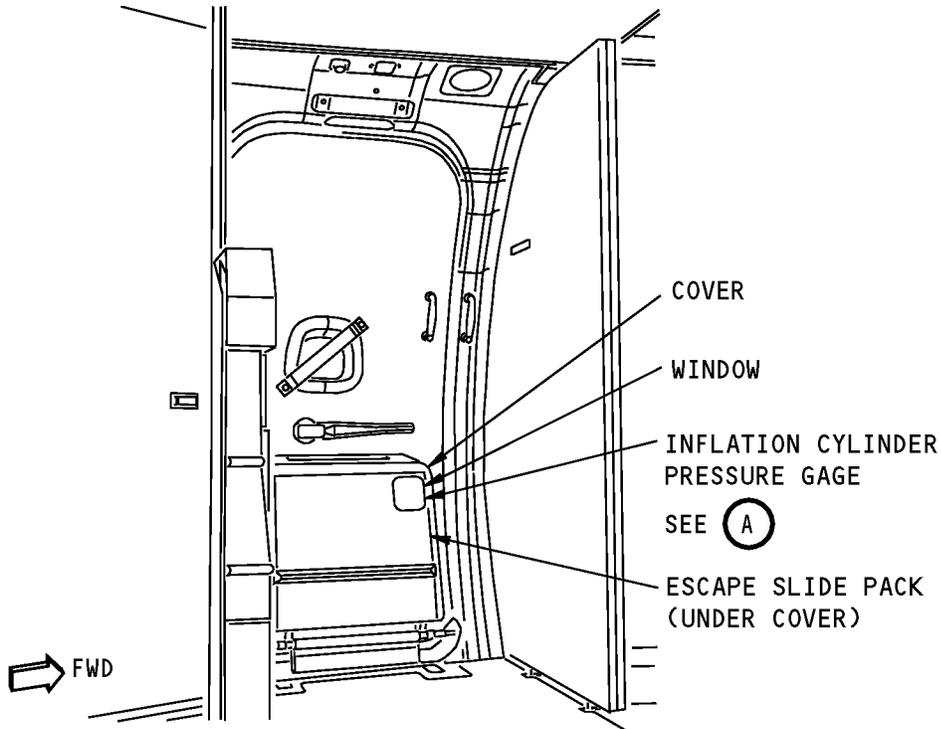
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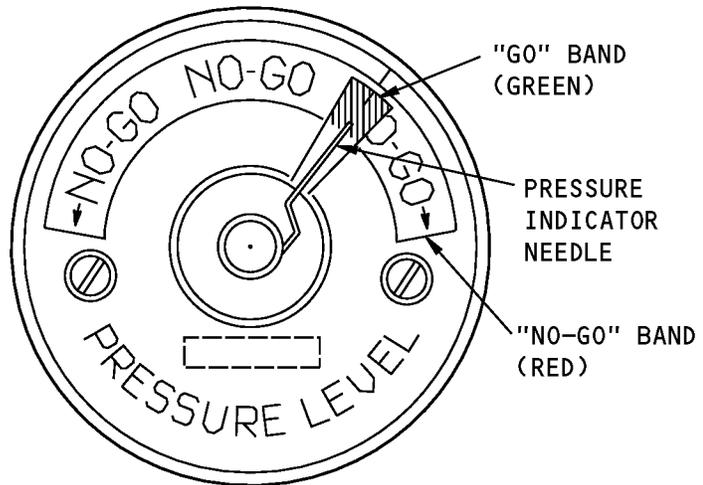
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**DOOR
(EXAMPLE)**



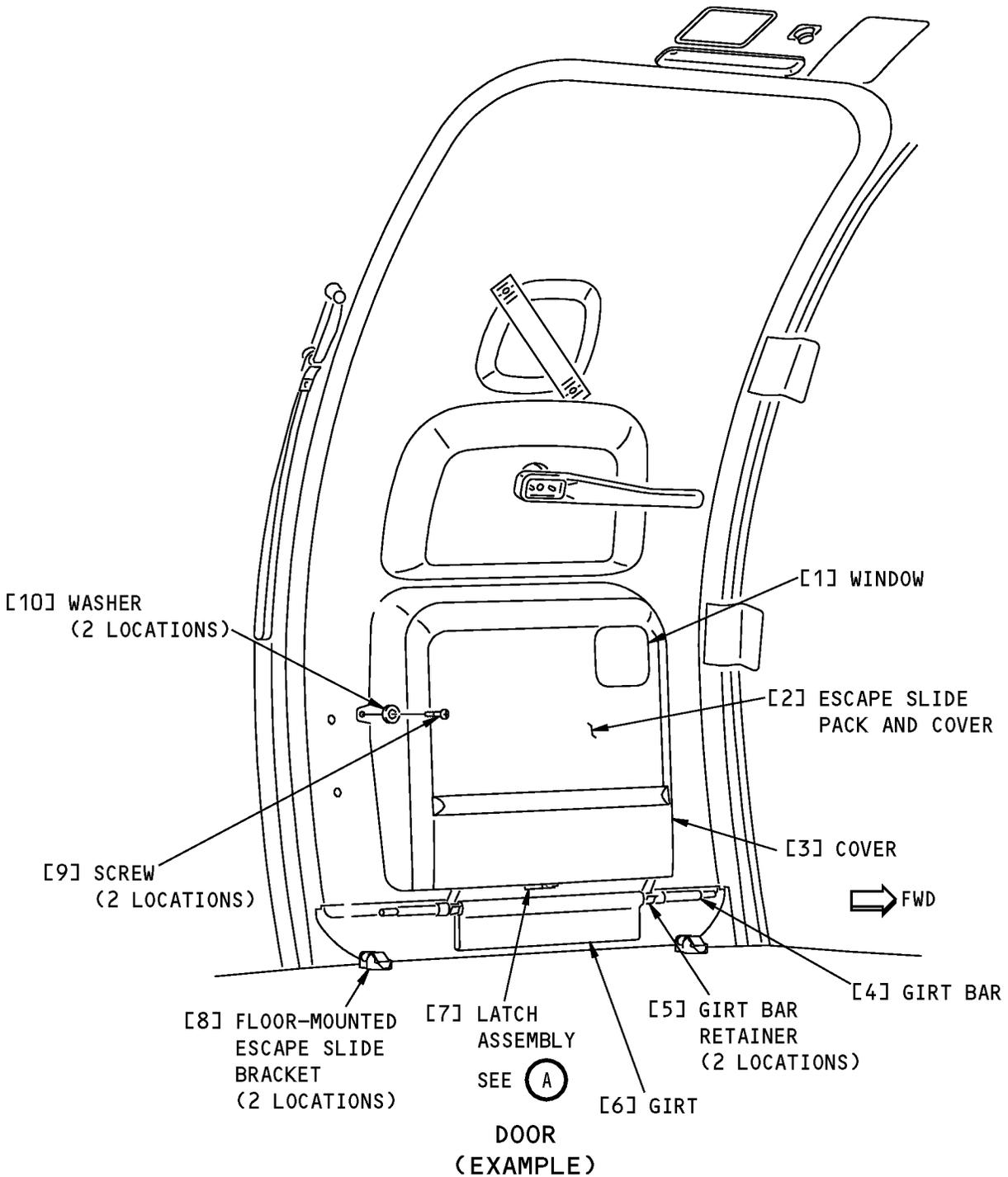
**INFLATION CYLINDER
PRESSURE GAGE**

A

**Escape Slide Pack Inflation Cylinder Check
Figure 601/25-66-01-990-802**

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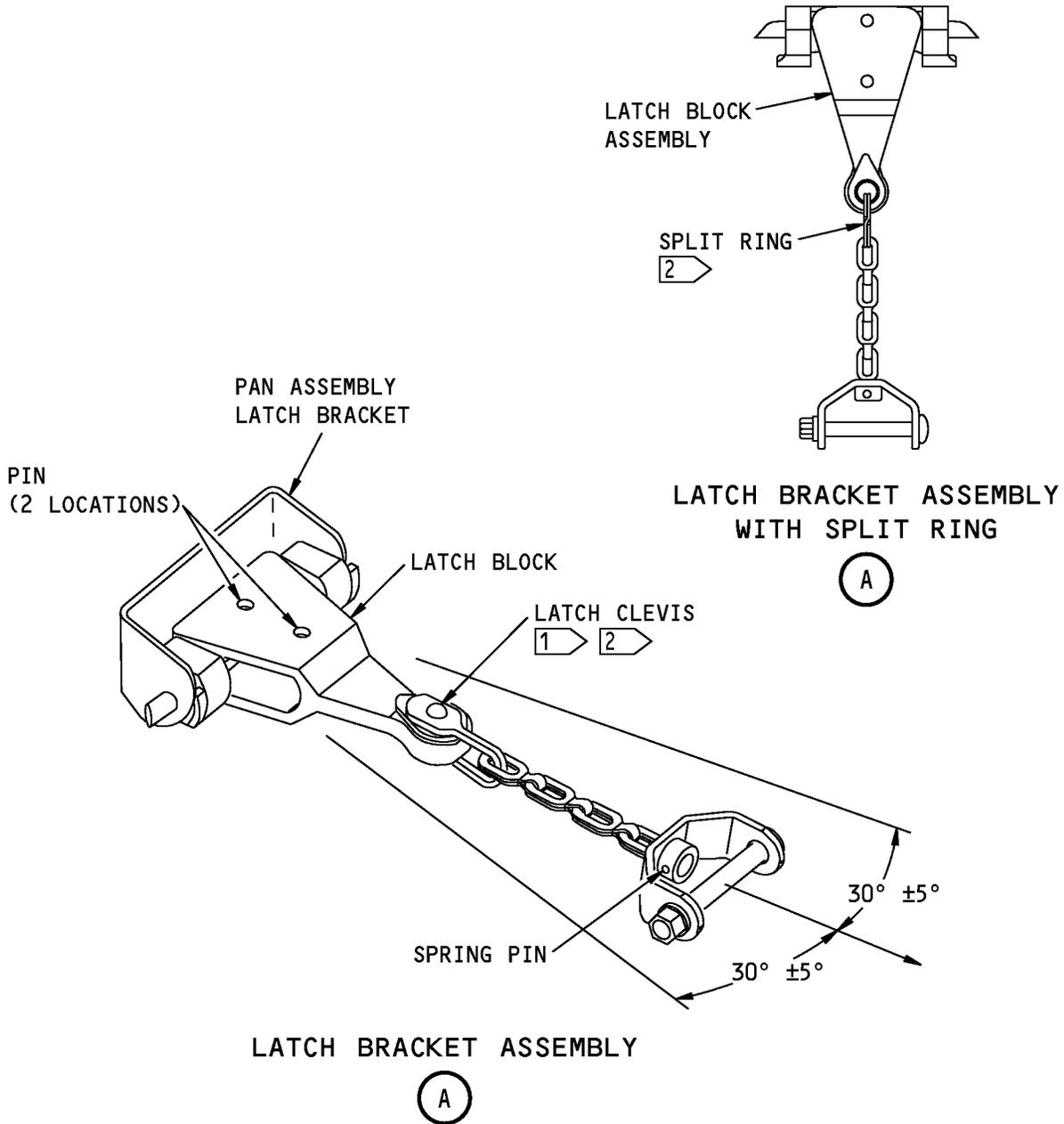


**Escape System Inspection
Figure 602 (Sheet 1 of 2)/25-66-01-990-803**

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- 1 MAKE SURE THAT THE CLEVIS CAN ROTATE FREELY IN THE LATCH BLOCK ASSEMBLY.
- 2 EACH ESCAPE SLIDE WILL HAVE ONE LATCH CLEVIS OR ONE SPLIT RING.

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**Escape System Inspection
Figure 602 (Sheet 2 of 2)/25-66-01-990-803**

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AIRCRAFT MAINTENANCE MANUAL

FLOOR-MOUNTED ESCAPE SLIDE BRACKETS - MAINTENANCE PRACTICES

1. General

A. This procedure has these tasks:

- (1) The removal of the entry or galley service door floor-mounted escape slide brackets.
- (2) The installation of the entry or galley service door floor-mounted escape slide brackets.
- (3) A check of the entry or galley service door floor-mounted escape slide brackets.

B. There are two floor-mounted escape slide brackets: one on each side of the door sill. The removal and installation of the brackets are the same.

TASK 25-66-02-000-801

2. Floor-Mounted Escape Slide Bracket Removal

(Figure 201)

A. Location Zones

Zone	Area
831	Forward Entry Door
834	Left Aft Entry Door
841	Forward Galley Service Door
844	Aft Galley Service Door

B. Procedure

SUBTASK 25-66-02-020-001

- (1) Remove the bracket [1] of the floor-mounted escape slide floor:
 - (a) Remove the bolts [2] and lock washers [3] that attach the bracket [1] to the adapter plate [5].
 - (b) Pull the bracket [1] and shim [7] from the adapter plate [5].
 - (c) Remove the screws [6] that attach the adapter plate [5] to the floor.

NOTE: The screws [6] do not always have the same length. Identify the screws [6] and their correct locations for the subsequent installation.
 - (d) Remove the adpater plate [5] from the floor.

————— **END OF TASK** —————

TASK 25-66-02-400-801

3. Floor-Mounted Escape Slide Bracket Installation

(Figure 201)

A. References

Reference	Title
20-30-95-910-801	Final Cleaning Prior to Aerodynamic Smoothing and Fairing (Series 95) (P/B 201)

B. Consumable Materials

Reference	Description	Specification
A50030	Adhesive - Translucent RT Vulcanizing Silicone Rubber - RTV6708	BAC5010, Type 109, Grade 2
B01015	Solvent - Final Cleaning Prior To Aerodynamic Smoothing And Fairing (AMM 20-30-95/201) - Series 95	

<p>EFFECTIVITY</p> <p>HAP ALL</p>	
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(Continued)

Reference	Description	Specification
G00034	Cotton Wiper - Process Cleaning Absorbent Wiper (Cheesecloth, Gauze)	BMS15-5

C. Location Zones

Zone	Area
831	Forward Entry Door
834	Left Aft Entry Door
841	Forward Galley Service Door
844	Aft Galley Service Door

D. Procedure

SUBTASK 25-66-02-420-001

(1) Install the bracket [1] of the floor-mounted escape slide floor:

- (a) Examine the adapter plate [5] for corrosion.
- (b) If you find corrosion, replace the adapter plate [5].
- (c) Clean the screws [6] and the holes in the adapter plate [5] with Series 95 solvent, B01015 (TASK 20-30-95-910-801).
- (d) Dry the screws [6] and the holes in the adapter plate [5] with a clean cotton wiper, G00034.
- (e) Apply RTV6708 adhesive, A50030 to the screws [6] and the holes in the adapter plate [5].
- (f) Put the adapter plate [5] over the holes in the floor.

NOTE: Note: There is a placard on the adapter plate. Obey the direction of the arrow on the placard.

- (g) Install the screws [6].
- (h) Put the shim [7] and bracket [1] in their correct position on the adapter plate [5].
- (i) Install the bolts [2] and lock washers [3] to attach the bracket [1] to the adapter plate [5].

END OF TASK

TASK 25-66-02-200-801

4. Floor-Mounted Escape Slide Bracket Check

(Figure 201)

A. Location Zones

Zone	Area
831	Forward Entry Door
834	Left Aft Entry Door
841	Forward Galley Service Door
844	Aft Galley Service Door

B. Procedure

SUBTASK 25-66-02-210-001

(1) Do a check on the brackets [1] of the floor-mounted escape slide as follows:

- (a) Make sure the bracket [1] is tightly attached to the floor.
- (b) Make sure that the bracket [1] is not damaged.

<p>EFFECTIVITY</p> <p>HAP ALL</p>

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- (c) Make sure the pawl [4] moves freely and closes fully.

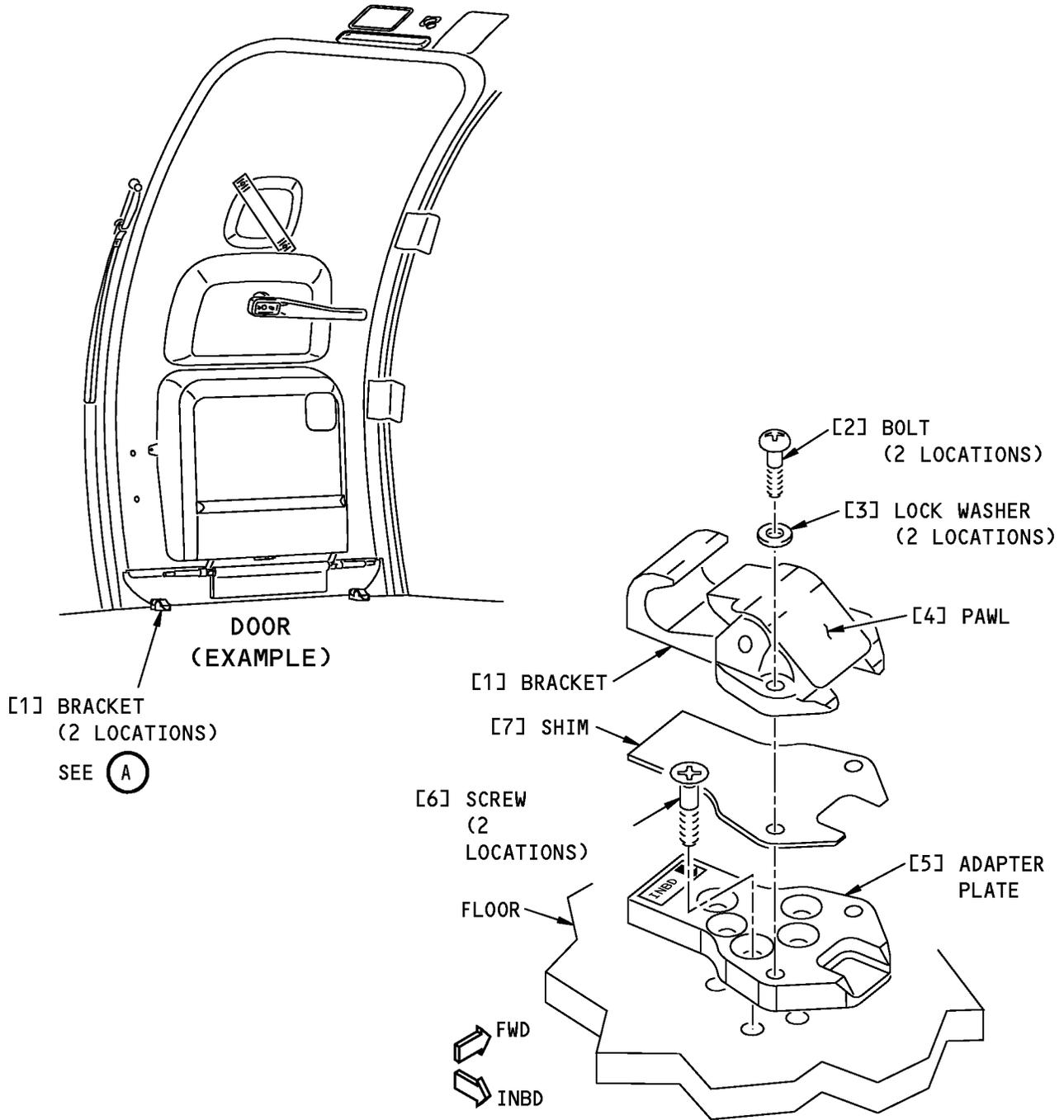
————— **END OF TASK** —————

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FLOOR-MOUNTED ESCAPE SLIDE BRACKET

(A)

G33319 S0006567923_V2

Floor-Mounted Escape Slide Bracket Installation
Figure 201/25-66-02-990-801

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ELECTRICAL EQUIPMENT RACK MOISTURE SHROUD - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) The removal of the E1/E5 moisture shroud,
- (2) The installation of the E1/E5 moisture shroud,
- (3) The removal of the E2/E3/E4 moisture shroud,
- (4) The installation of the E2/E3/E4 moisture shroud,

HAP 101-999

- (5) The removal of the E6 moisture shroud,
- (6) The installation of the E6 moisture shroud.

HAP ALL

TASK 25-71-00-000-801

2. E1/E5 Moisture Shroud Removal

(Figure 401)

A. References

Reference	Title
25-71-00-210-801	EE Center Moisture Shroud Visual Inspection (P/B 601)

B. Location Zones

Zone	Area
117	Electrical and Electronics Compartment - Left
118	Electrical and Electronics Compartment - Right

C. Procedure

SUBTASK 25-71-00-010-001

- (1) Open the electronic compartment door for access.

SUBTASK 25-71-00-020-001

- (2) Remove the moisture shroud [1]:

NOTE: Removal of adjacent moisture shroud is necessary if you remove the forward center, forward right, or the aft right moisture shrouds.

- (a) Loosen the hose clamp [2] that attaches the drain tube [3] to the moisture shroud [1].
- (b) Disconnect the drain tube [3] from the moisture shroud [1].
- (c) Remove the screws [12] and washers [11].
- (d) Remove the plastic washer [10], if it is installed.

HAP 010-013, 015-026, 028-030; HAP 001-009 POST SB 737-51-1017

- (e) FOR AIRPLANES WITH SEALS; remove the seal.

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- (f) Remove the moisture shroud [1].

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SUBTASK 25-71-00-220-001

- (3) If cracks or evidence of leakage is seen, do this task: EE Center Moisture Shroud Visual Inspection, TASK 25-71-00-210-801.

————— **END OF TASK** —————

TASK 25-71-00-400-801

3. E1/E5 Moisture Shroud Installation

(Figure 401)

A. Location Zones

Zone	Area
117	Electrical and Electronics Compartment - Left
118	Electrical and Electronics Compartment - Right

B. Procedure

SUBTASK 25-71-00-420-001

- (1) Install the E1/E5 moisture shroud [1]:
 (a) Put the moisture shroud [1] in its position.

HAP 010-013, 015-026, 028-030; HAP 001-009 POST SB 737-51-1017

- (b) FOR AIRPLANES WITH SEALS; put the seal in its position.

HAP ALL

- (c) Install the screws [12] and washers [11].
 (d) If you removed it, install the plastic washer [10].
 (e) Connect the drain tube [3] to the moisture shroud [1].
 (f) Tighten the hose clamp [2] around the drain tube [3].

SUBTASK 25-71-00-410-001

- (2) Close the electronic compartment door.

————— **END OF TASK** —————

TASK 25-71-00-000-802

4. E2/E3/E4 Moisture Shroud Removal

(Figure 402)

A. References

Reference	Title
25-71-00-210-801	EE Center Moisture Shroud Visual Inspection (P/B 601)

B. Location Zones

Zone	Area
117	Electrical and Electronics Compartment - Left
118	Electrical and Electronics Compartment - Right

C. Procedure

SUBTASK 25-71-00-010-002

- (1) Remove the access panel on the aft side of the E2/E3/E4 equipment rack.

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SUBTASK 25-71-00-020-002

- (2) Remove the moisture shroud [1].
 - (a) Loosen the hose clamp [5] that attaches the drain tube [2] to the moisture shroud [1].
 - (b) Disconnect the drain tube [2] from the moisture shroud [1].
 - (c) Remove the screws [4] and the washers [3].

NOTE: Remove the screws [4] and washers [3] for the forward part of the moisture shroud from the forward side of the E2/E3/E4 equipment rack.
 - (d) Remove the moisture shroud [1].

SUBTASK 25-71-00-220-002

- (3) If cracks or evidence of leakage is seen, do this task: EE Center Moisture Shroud Visual Inspection, TASK 25-71-00-210-801.

————— END OF TASK —————

TASK 25-71-00-400-802

5. E2/E3/E4 Moisture Shroud Installation

(Figure 402)

A. Location Zones

Zone	Area
117	Electrical and Electronics Compartment - Left
118	Electrical and Electronics Compartment - Right

B. Procedure

SUBTASK 25-71-00-420-002

- (1) Install the moisture shroud [1].
 - (a) Put the moisture shroud [1] in its position.
 - (b) Install the screws [4] and the washers [3].

NOTE: Install the screws [4] and washers [3] for the forward part of the moisture shroud [1] from the forward side of the E2/E3/E4 equipment rack.
 - (c) Connect the drain tube [2] to the moisture shroud [1].
 - (d) Tighten the hose clamp [5] around the drain tube [2].

SUBTASK 25-71-00-410-002

- (2) Install the access panel on the aft side of the E2/E3/E4 equipment rack.

————— END OF TASK —————

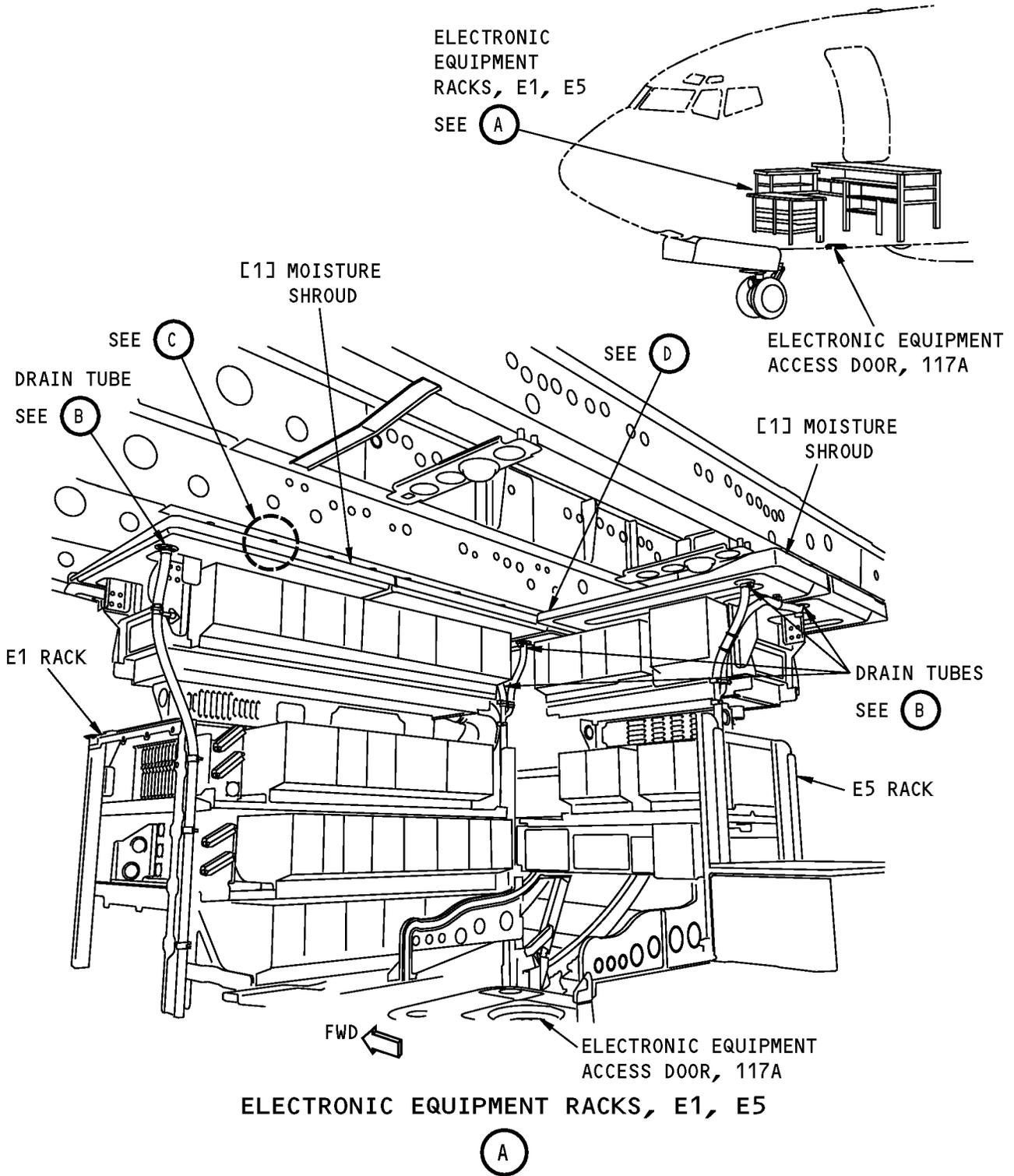
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**E1/E5 Moisture Shroud Installation
Figure 401 (Sheet 1 of 2)/25-71-00-990-804**

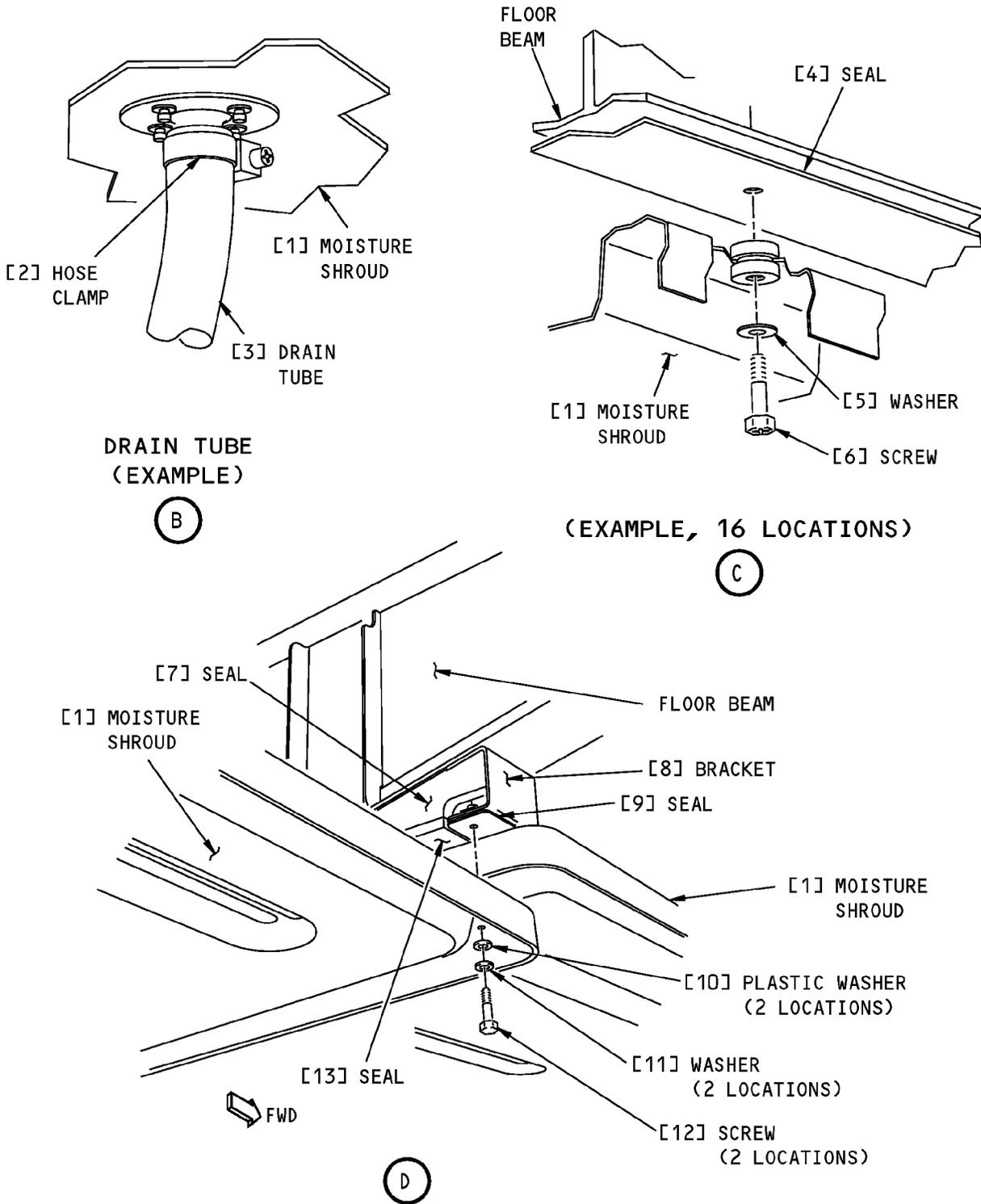
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**E1/E5 Moisture Shroud Installation
Figure 401 (Sheet 2 of 2)/25-71-00-990-804**

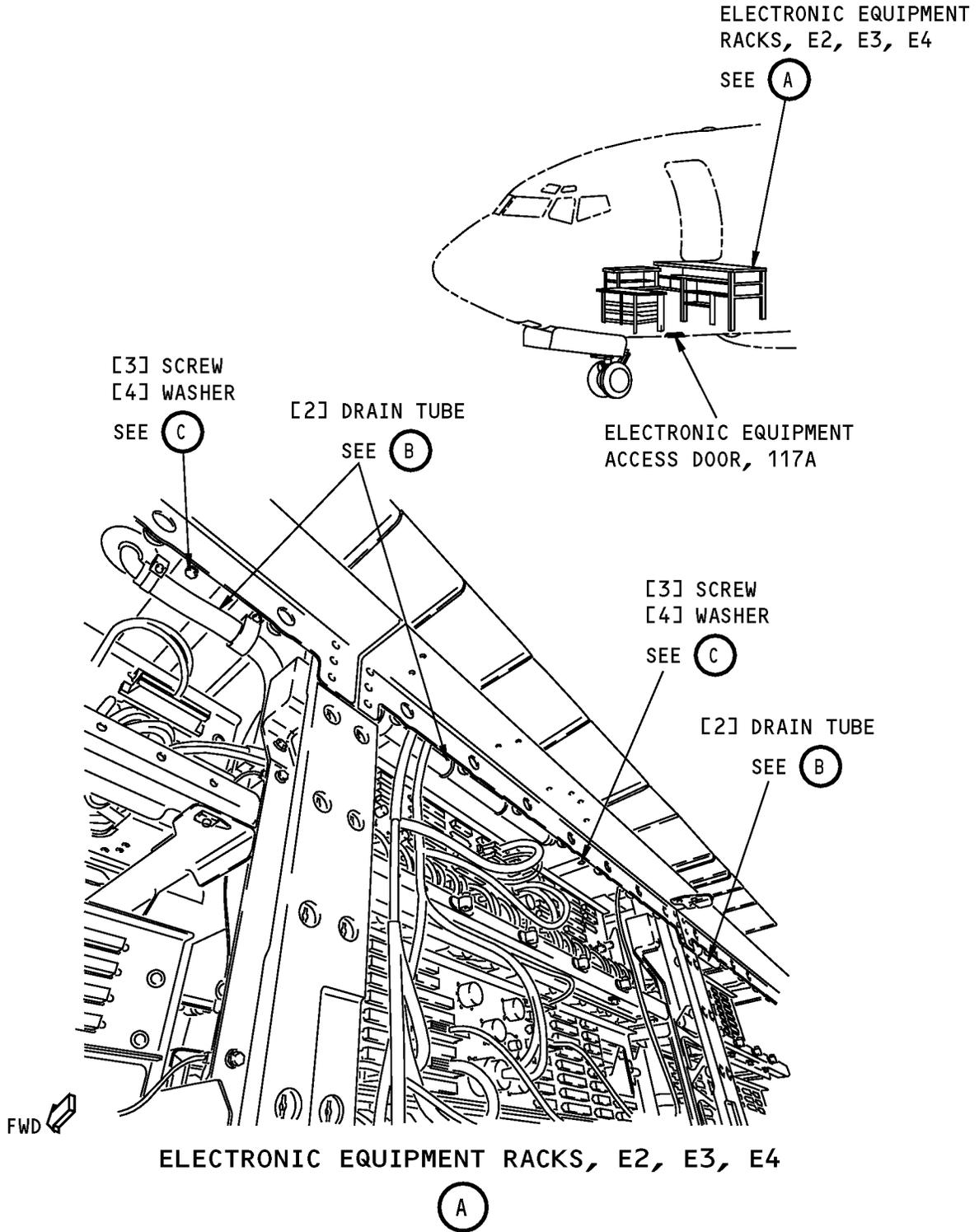
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**E2, E3, E4 Moisture Shroud Installation
Figure 402 (Sheet 1 of 2)/25-71-00-990-805**

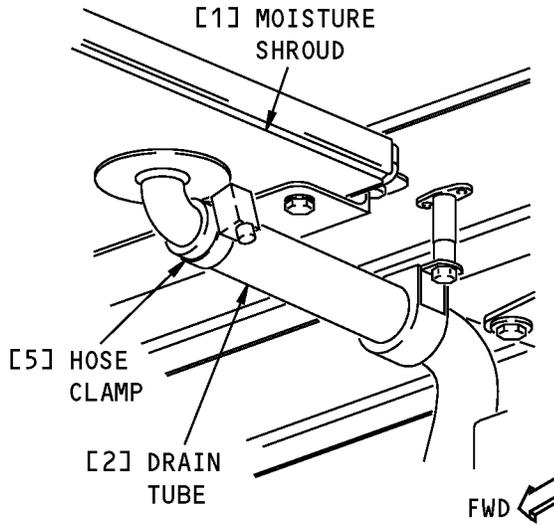
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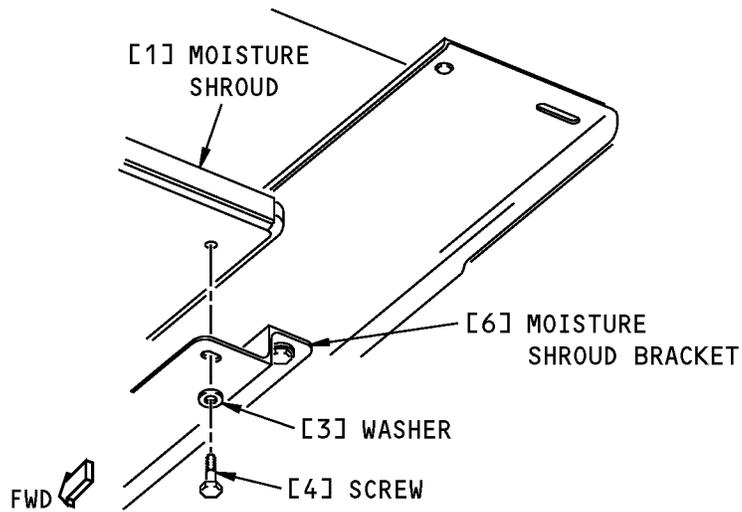
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**DRAIN TUBE
(EXAMPLE)**

B



(EXAMPLE, 16 LOCATIONS)

C

**E2, E3, E4 Moisture Shroud Installation
Figure 402 (Sheet 2 of 2)/25-71-00-990-805**

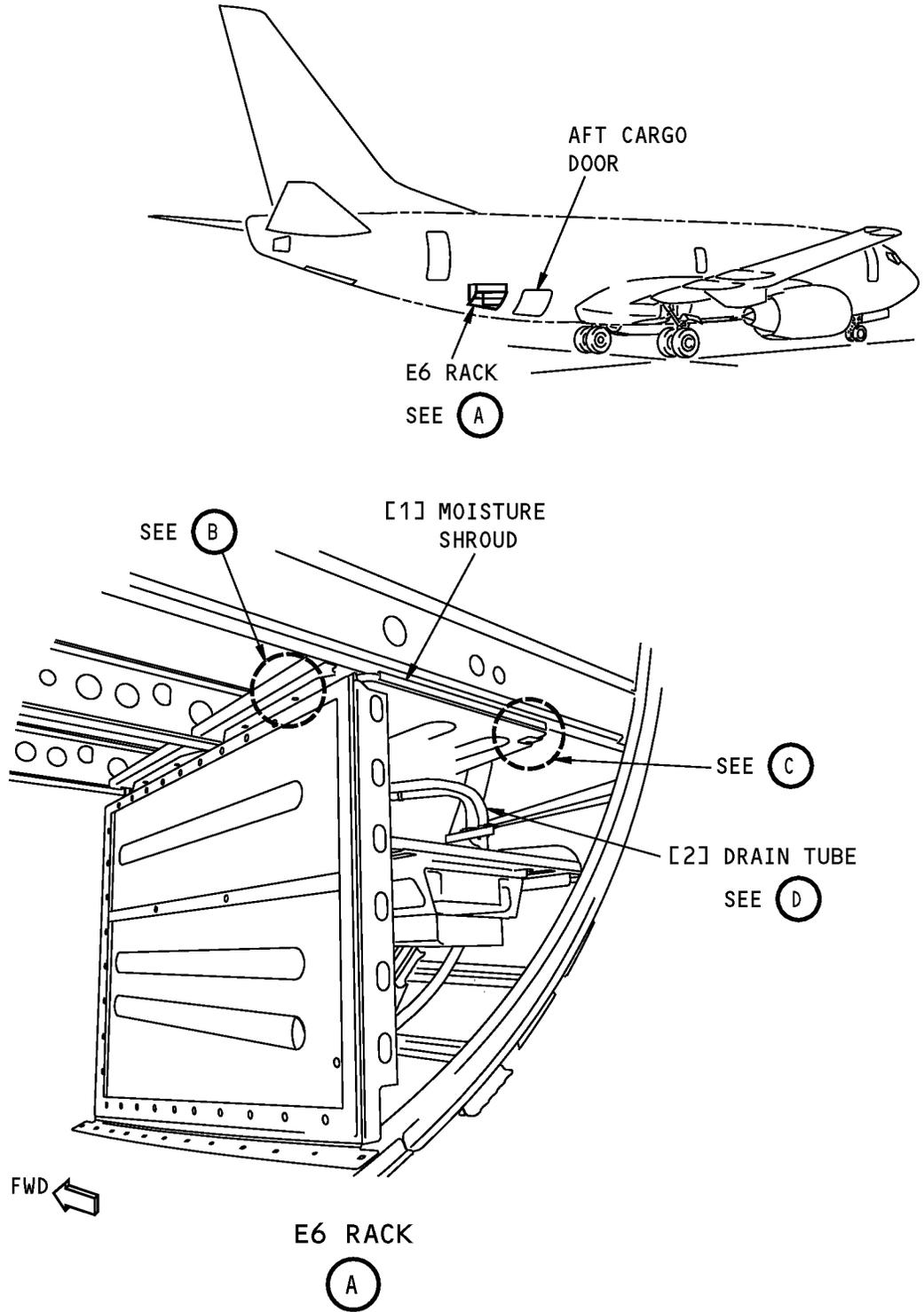
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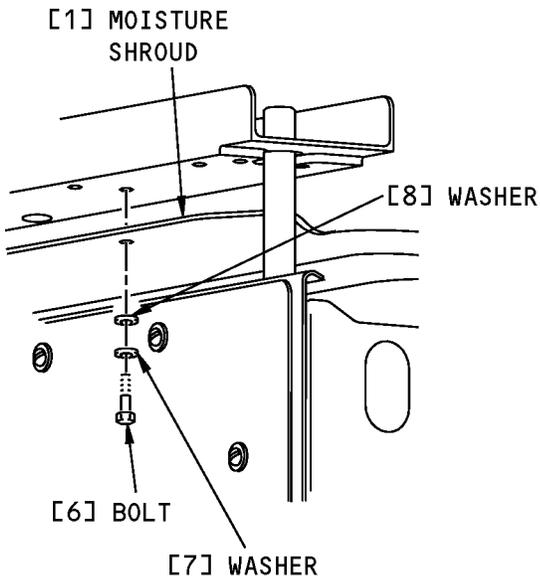
**E6 Moisture Shroud Installation
Figure 403 (Sheet 1 of 2)/25-71-00-990-806**

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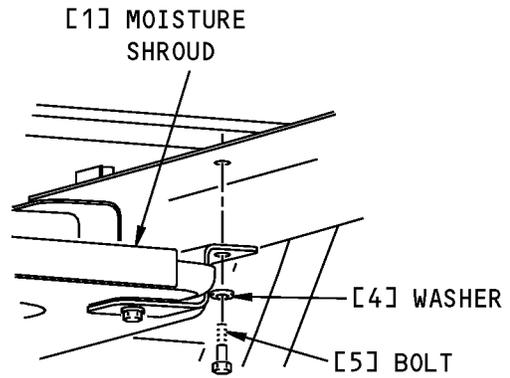
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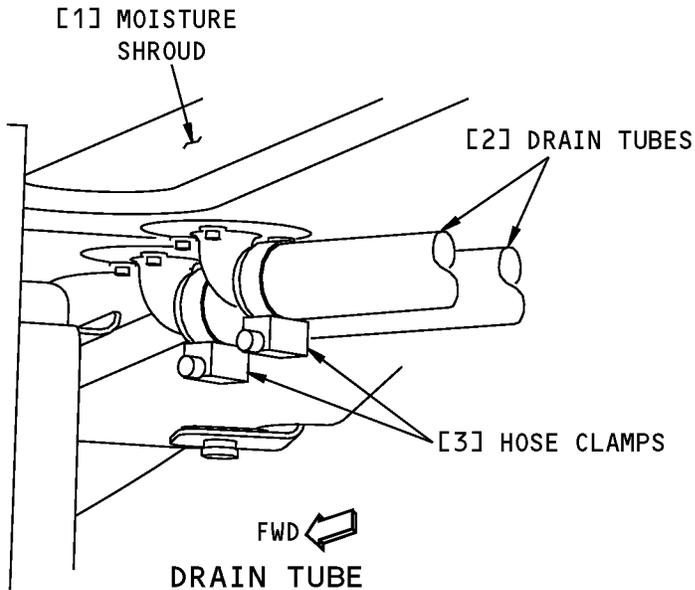
(EXAMPLE, 4 LOCATIONS)

B



(EXAMPLE, 4 LOCATIONS)

C



D

E6 Moisture Shroud Installation
Figure 403 (Sheet 2 of 2)/25-71-00-990-806

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TASK 25-71-00-000-803

6. E6 Moisture Shroud Removal

(Figure 403)

A. References

Reference	Title
25-71-00-210-802	E6 Rack Moisture Shroud Visual Inspection (P/B 601)

B. Location Zones

Zone	Area
142	Aft Cargo Compartment - Right

C. Procedure

SUBTASK 25-71-00-020-003

- (1) Remove the moisture shroud [1]:
 - (a) Loosen the hose clamps [3] that attach the drain tubes [2] to the moisture shroud [1].
 - (b) Disconnect the drain tubes [2] from the moisture shroud [1].
 - (c) Remove the bolts [5] and the washers [4].
 - (d) Remove the bolts [6], washers [7], and the plastic washers [8].
 - (e) Remove the moisture shroud [1].

SUBTASK 25-71-00-220-003

- (2) If cracks or evidence of leakage is seen, do this task: E6 Rack Moisture Shroud Visual Inspection, TASK 25-71-00-210-802.

————— END OF TASK —————

TASK 25-71-00-400-803

7. E6 Moisture Shroud Installation

(Figure 403)

A. Location Zones

Zone	Area
142	Aft Cargo Compartment - Right

B. Procedure

SUBTASK 25-71-00-420-003

- (1) Install the E6 moisture shroud [1]:
 - (a) Put the moisture shroud [1] in its position.
 - (b) Install the bolts [6], washers [7], and the washers [8].
 - (c) Install the bolts [5] and the washers [6].
 - (d) Connect the drain tubes [2] to the moisture shroud [1].
 - (e) Tighten the hose clamps [3] around the drain tubes [2].

————— END OF TASK —————

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ELECTRICAL EQUIPMENT RACK MOISTURE SHROUD - INSPECTION/CHECK

1. General

- A. This procedure contains scheduled maintenance task data.
- B. This procedure has these tasks:
 - (1) EE Center Moisture Shroud Visual Inspection.

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- (2) E6 Rack Moisture Shroud Visual Inspection, if applicable.

HAP ALL

TASK 25-71-00-210-801

2. EE Center Moisture Shroud Visual Inspection

- A. General
 - (1) This procedure is a scheduled maintenance task.
- B. References

Reference	Title
25-71-00 P/B 401	ELECTRICAL EQUIPMENT RACK MOISTURE SHROUD - REMOVAL/INSTALLATION

C. Location Zones

Zone	Area
117	Electrical and Electronics Compartment - Left
118	Electrical and Electronics Compartment - Right

D. Procedure

SUBTASK 25-71-00-210-001

- (1) Examine the moisture shrouds (drip pans) that are above the electronic equipment racks in the electronic equipment compartment.
 - (a) Make sure they do not have obvious cracks, tears, or clogged drains.
 - (b) Make sure that they are not loose.

SUBTASK 25-71-00-210-005

- (2) Do a check for cracks around the fasteners and mounting holes of the moisture shroud.
 - (a) Replace the EE moisture shroud for a crack NOT in the direction toward an edge without a return lip that has a crack length more than 0.75 in. (1.90 cm) ELECTRICAL EQUIPMENT RACK MOISTURE SHROUD - REMOVAL/INSTALLATION, PAGEBLOCK 25-71-00/401 .
 - (b) Replace the EE moisture shroud for a crack in the direction toward an edge without a return lip that has a crack length more than one half of the distance between the hole and the edge of the flange ELECTRICAL EQUIPMENT RACK MOISTURE SHROUD - REMOVAL/INSTALLATION, PAGEBLOCK 25-71-00/401 .

————— **END OF TASK** —————

<p>EFFECTIVITY</p> <p>HAP ALL</p>

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TASK 25-71-00-210-802

3. E6 Rack Moisture Shroud Visual Inspection

A. Location Zones

<u>Zone</u>	<u>Area</u>
142	Aft Cargo Compartment - Right

B. Procedure

SUBTASK 25-71-00-210-003

- (1) Examine the moisture shroud (drip pan) that is above the E6 electronic equipment rack in the aft cargo compartment, if applicable.
 - (a) Make sure it does not have obvious cracks, tears, or a clogged drain.
 - (b) Make sure it is not loose.

————— **END OF TASK** —————

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INSULATION BLANKET - REMOVAL/INSTALLATION

1. General

A. This procedure has these tasks:

- (1) Insulation Blanket Removal.
- (2) Insulation Blanket Installation.

TASK 25-80-00-000-801

2. Insulation Blanket Removal

A. Location Zones

Zone	Area
100	Lower Half of Fuselage
200	Upper Half of Fuselage

B. Remove the Insulation Blanket

SUBTASK 25-80-00-010-001

- (1) Remove the applicable panels and parts from the airplane interior for access to the insulation blankets that you want to remove.

SUBTASK 25-80-00-930-001

- (2) Put a tag on the blankets to help you install them in the correct positions, where necessary.

SUBTASK 25-80-00-020-001

- (3) Remove the disks from the index pins.

SUBTASK 25-80-00-020-002

- (4) Roll the clamps off of the insulation blankets.

SUBTASK 25-80-00-020-003

- (5) Remove the insulation blankets, moisture control blankets or capstrips.

————— **END OF TASK** —————

TASK 25-80-00-400-801

3. Insulation Blanket Installation

(Figure 401)

A. Consumable Materials

Reference	Description	Specification
C00755	Compound - Organic Corrosion Inhibiting, Heavy Duty	BMS3-26
C00915	Compound - Organic Corrosion Inhibiting, Advanced	BMS3-29
G00009	Compound - Organic Corrosion Inhibiting	BMS3-23
G00087	Fabric, Insulation Covering (Self-Extinguishing)	BMS8-142
G02305	Tape - Insulation Blanket	BMS5-149
G02360	Tape - Hook/Loop Fastener (Polypropylene Hook & Nylon Loop)	BMS 8-285, Type IV
G50099	Tape - Pressure Sensitive Insulative Cover Splicing - 78-C or 70-1C or OT?49W	BMS5-149, Type XI, Class 1, Grade C, Form I

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(Continued)

Reference	Description	Specification
G50327	Tape - Advanced Insulation Blanket	BMS5-157 Type I, Class 1, Grade B Composition MPVF
G50330	Fabric - Insulation Covering, Flame Propagation Resistant	BMS8-377
G50333	Tape - Hook/Loop Fastener, Flame Propagation Resistant	BMS8-372

B. Location Zones

Zone	Area
100	Lower Half of Fuselage
200	Upper Half of Fuselage

C. Check for Insulation Blanket Contamination

SUBTASK 25-80-00-110-001

WARNING: LET THE CORROSION-INHIBITING COMPOUNDS (CIC) BECOME FULLY DRY. IF CIC GETS ON THE INSULATION BLANKET, THE INSULATION BLANKET WILL BECOME LESS FLAME-RESISTANT. THIS INCREASES THE RISK OF FIRE. THIS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (1) To prevent CIC contamination of insulation blankets, let the corrosion-inhibiting compounds fully dry before you install the insulation blankets.
 - (a) Let the corrosion-inhibiting compounds dry longer than the minimum times listed below if you have one of these conditions:
 - 1) Low temperature.
 - 2) High humidity.
 - 3) Thick layer of corrosion-inhibiting compounds.
 - (b) Ventilate areas treated with CIC such as corrosion inhibiting compound, G00009, with good air flow for a minimum of one hour.
 - (c) Ventilate areas treated with CIC such as compound, C00755 or compound, C00915, with good air flow for a minimum of four hours.

SUBTASK 25-80-00-110-016

WARNING: DO NOT USE DETERGENTS OR SOLVENTS TO CLEAN THE INSULATION BLANKET. IT CAN REMOVE FLAME RETARDANTS AND CAUSE FLAMMABLE RESIDUES ON THE INSULATION BLANKET WHICH INCREASES THE RISK OF FIRE. THIS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (2) If there is Corrosion-inhibiting Compounds (CIC) contamination, oily or waxy substances or other fluids (which typically changes the color and appearance of the insulation blanket cover), replace the insulation blanket.

SUBTASK 25-80-00-160-016

- (3) If there are dust, lint or other loose debris on the insulation blanket, use a vacuum cleaner or a non-metallic soft brush to remove the contamination.

SUBTASK 25-80-00-210-004

- (4) Make sure that the insulation blanket has no rips, tears or holes.

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SUBTASK 25-80-00-160-015

(5) Make sure the area is clean before you install the insulation blanket.

D. Install the Insulation Blanket

SUBTASK 25-80-00-420-003

(1) If you replace an insulation blanket or a capstrip, install an insulation blanket or a capstrip that complies with FAR 25.856.

(a) Use the tape, G50327 and hook and loop tape, G50333 , where necessary.

NOTE: Tape tape, G50327and hook/loop tape tape, G50333 are FAR 25.856 compliant.

(b) Replace the part of the hook and loop tape that is installed on the airplane structure where the replacement insulation blanket attaches with hook and loop tape, G50333 , if it is necessary.

SUBTASK 25-80-00-420-001

(2) Do these steps to install the insulation blanket to the airplane structure:

(a) Put a membrane material around the frame if it is necessary.

(b) Put the side of the insulation blanket with the clamp indicator inboard.

(c) Align the holes in the insulation blanket with the index pins.

1) Put the insulation blanket in its position.

2) Install the disks on the index pins.

(d) Wrap the insulation blanket correctly around the airplane structure.

1) Put the blanket tab around the airplane structure.

2) Put the capstrip over the blanket tab.

SUBTASK 25-80-00-420-002

CAUTION: DO NOT USE FORCE TO PUSH THE CLAMP STRAIGHT ON THE AIRPLANE STRUCTURE. USE A ROLLING MOVEMENT WITH TWO HANDS TO INSTALL THE CLAMPS. IF YOU USE FORCE TO PUSH THE CLAMP STRAIGHT ON THE AIRPLANE STRUCTURE, YOU WILL CAUSE PERMANENT DAMAGE TO THE CLAMP AND TEAR THE INSULATION BLANKET.

(3) Attach the blanket with clips, tapes, pins, and disk fasteners as applicable. Refer to the illustration for examples of the installation details (Figure 401).

(a) Look for clamp indicator on the insulation blanket.

(b) When you install the clamps, make sure they are the minimum distance from the adjacent hoses, wires, or ducts:

Table 401/25-80-00-993-801

Separation Requirements	
Hoses, Wires, Ducts, or other Systems	Minimum Distance from Clamp (Inch)
Supported (at the stand off)	0.25 Inch (6 mm)
Unsupported	0.5 Inch (13 mm)

(c) Make sure the openings in the intercostals are not blocked by the insulation blanket.

(d) Make sure the passenger compartment sidewall blanket is centered on the window opening.

1) Do not put the blanket behind the window clips.

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- (e) Make sure you cannot see structure after you install the insulation blanket.
- (f) Make sure you cannot see the bilge and sill trays in the cargo compartments.
- (g) Make sure the hook and loop tape is fully engaged.
- (h) Make sure the tapes match.

SUBTASK 25-80-00-210-001

- (4) Make sure moisture penetration through to the inboard side of the insulation blanket is minimized.
 - (a) Make sure all the insulation blanket are correctly overlapped to keep out any condensation that can flow between insulation blankets into the inboard side of the insulation blanket.
 - (b) Re-install any moisture control blankets at longitudinal (intercostal) structural locations.

HAP 001-013, 015-026, 028-030 PRE SEP 2, 2005 FAR STD; AIRPLANES WITHOUT FAR 25.856(a) COMPLIANT THERMAL/ACOUSTIC INSULATION MATERIALS

- (c) For insulation blanket with fabric, G00087 use the tape, G02305 or 78-C or 70-1C tape, G50099 or tape, G50327 and hook and loop tape, G02360 or hook and loop tape, G50333 , where necessary to reduce any gaps between blankets, or between blankets and structure.

NOTE: Tape tape, G50327 and hook/loop tape tape, G50333 are FAR 25.856 compliant. These items are the preferred alternatives to tape tape, G02305 and hook/loop tape tape, G02360.

HAP 031-054, 101-999; HAP 001-013, 015-026, 028-030 POST SEP 2, 2005 FAR STD; AIRPLANES WITH FAR 25.856(a) COMPLIANT THERMAL/ACOUSTIC INSULATION MATERIALS

- (d) For insulation blanket with fabric, G50330 cover material, use the tape, G50327 and hook and loop tape, G50333 , where necessary to reduce any gaps between blankets, or between blankets and structure.

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SUBTASK 25-80-00-390-001

- (5) For replacement insulation blanket, push on the insulation blanket to remove the air that is inside the insulation blanket through the vent hole(s).
 - (a) Peel off the attached release liner on the circle tape and seal the vent hole(s).

SUBTASK 25-80-00-010-002

- (6) Install the panels and parts that you removed from the airplane interior.

————— **END OF TASK** —————

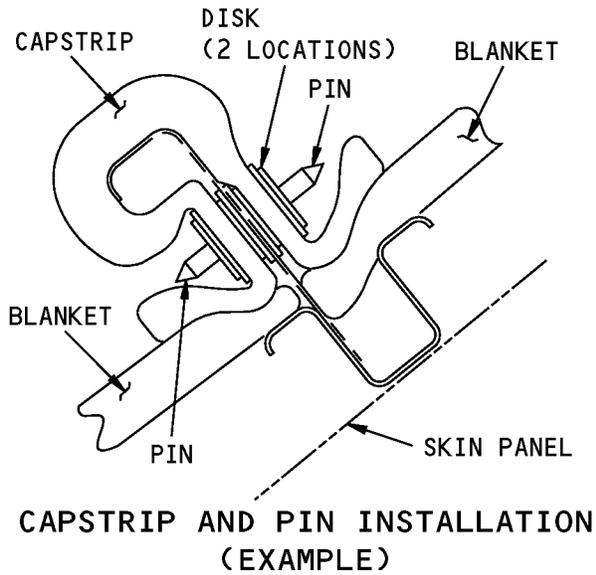
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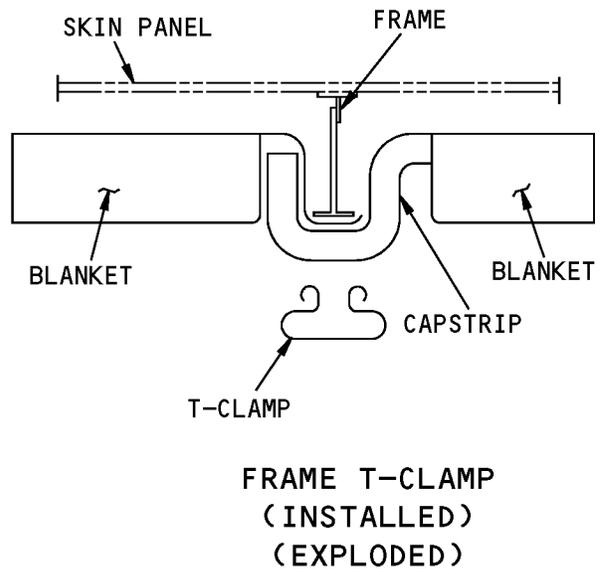
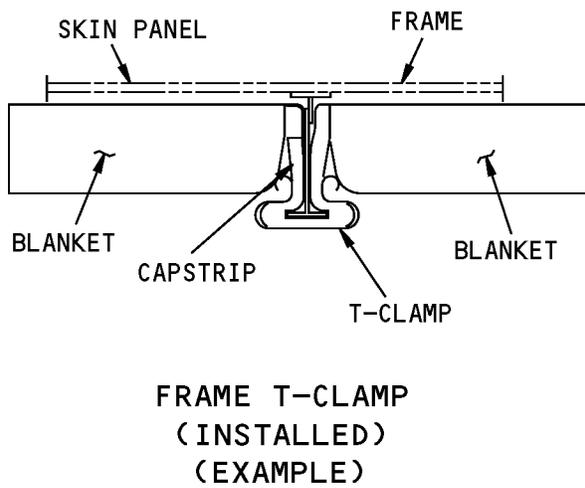
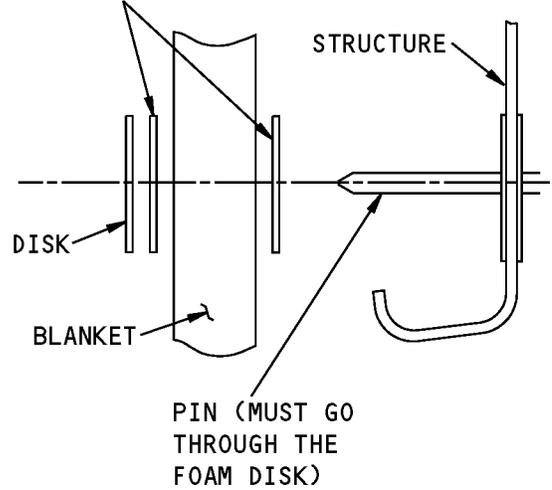
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THE ADHESIVE SIDE OF THE FOAM DISK GOES AGAINST THE INSULATION

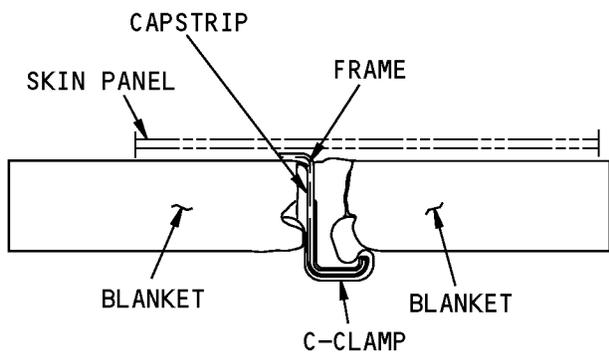


**Insulation Blanket Installation
Figure 401 (Sheet 1 of 9)/25-80-00-990-801**

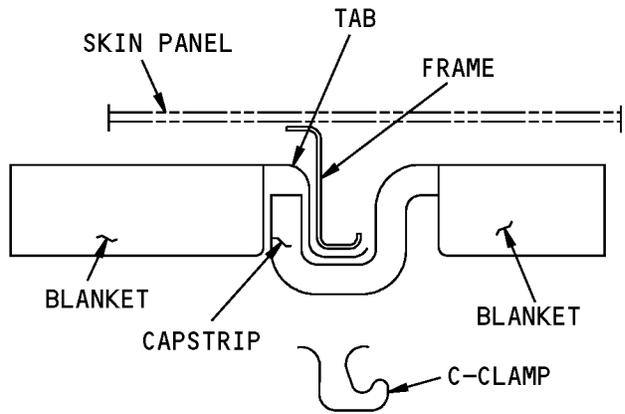
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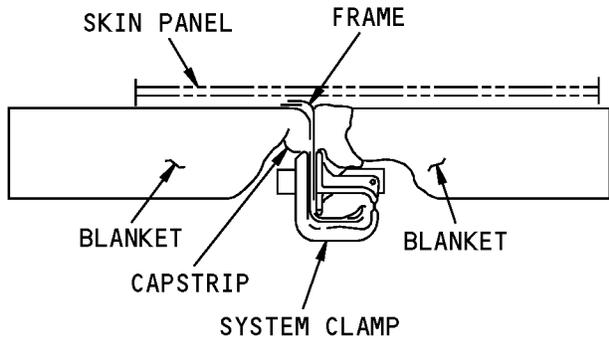
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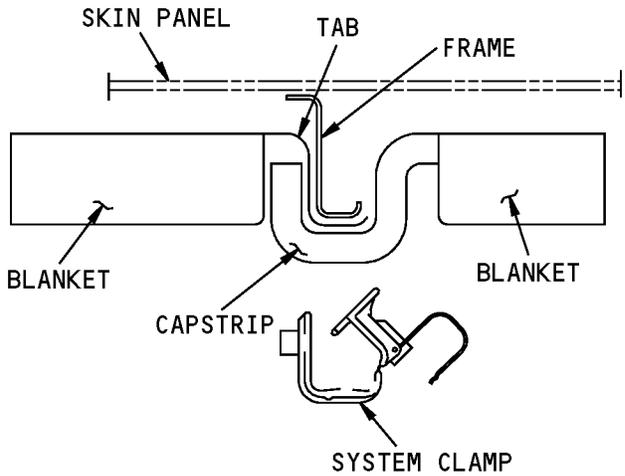
**FRAME C-CLAMP
(INSTALLED)
(EXAMPLE)**



**FRAME C-CLAMP
(EXPLODED)
(EXAMPLE)**



**FRAME E-CLAMP
(INSTALLED)
(EXAMPLE)**



**FRAME E-CLAMP
(EXPLODED)
(EXAMPLE)**

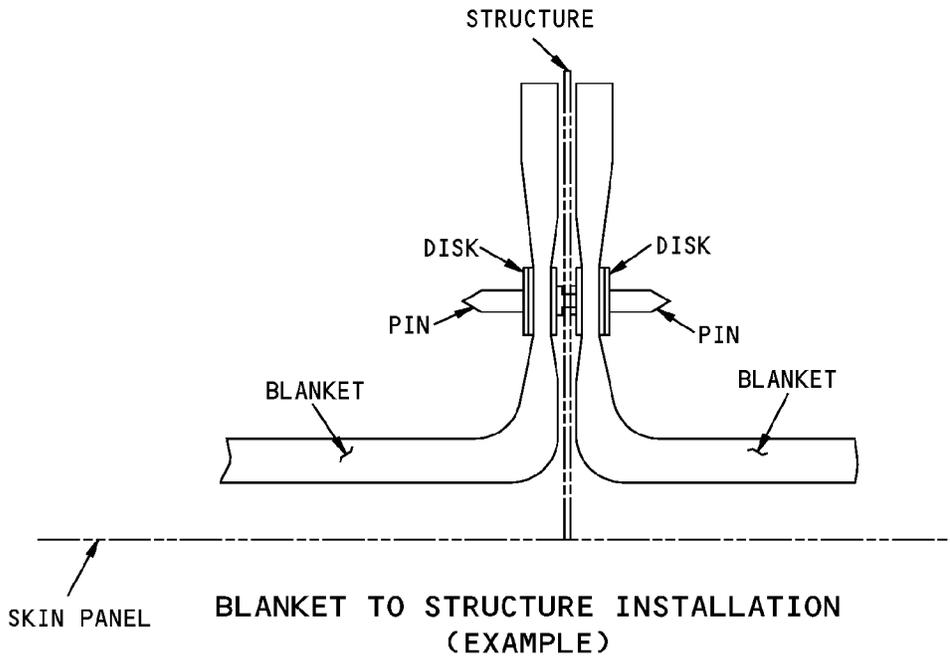
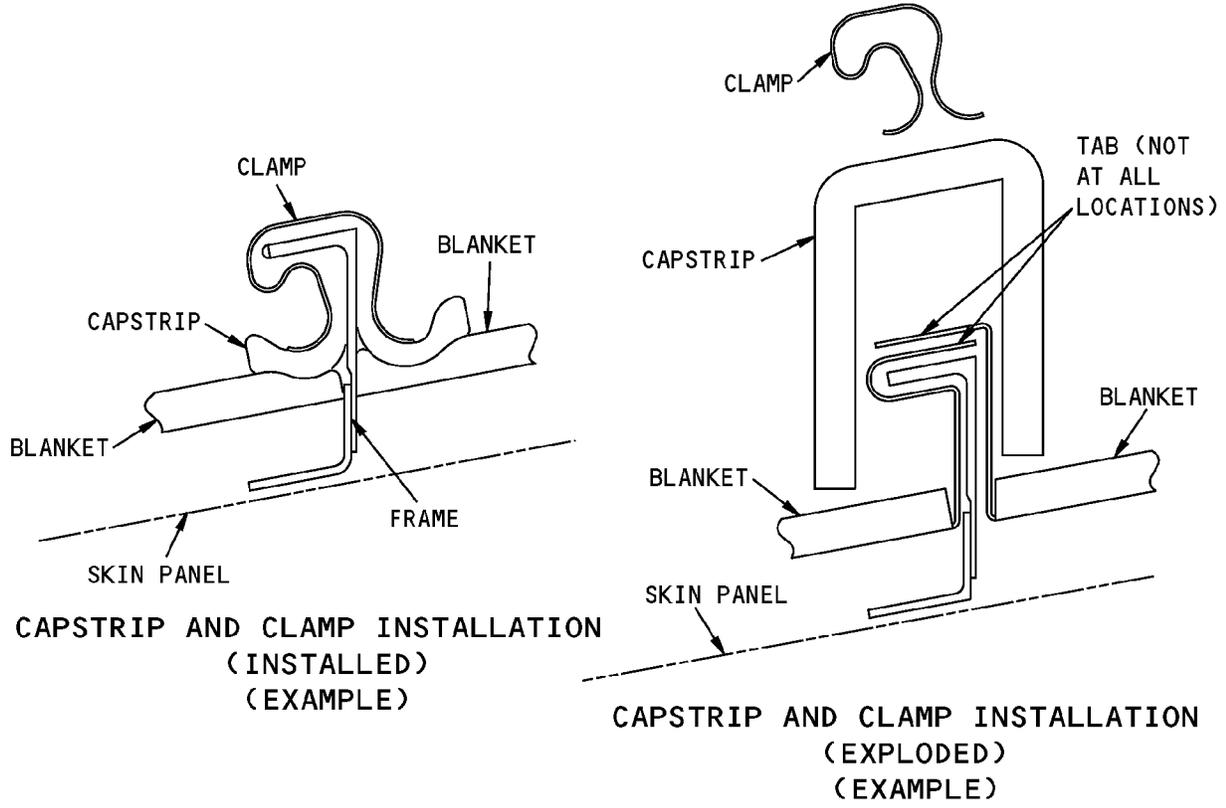
**Insulation Blanket Installation
Figure 401 (Sheet 2 of 9)/25-80-00-990-801**

EFFECTIVITY
HAP ALL

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AIRCRAFT MAINTENANCE MANUAL



Insulation Blanket Installation
Figure 401 (Sheet 3 of 9)/25-80-00-990-801

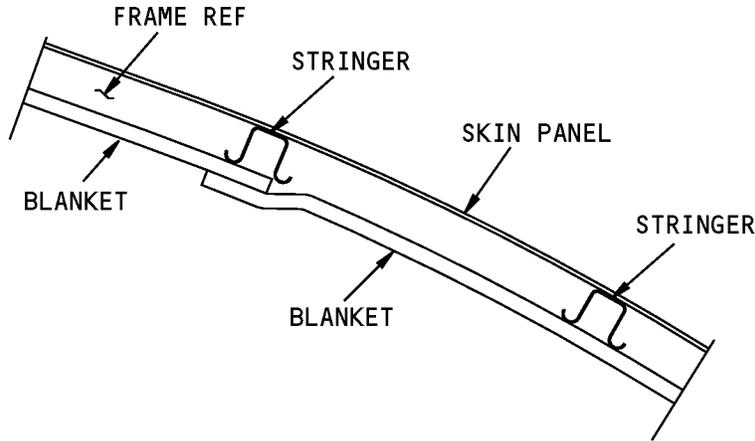
EFFECTIVITY
HAP ALL

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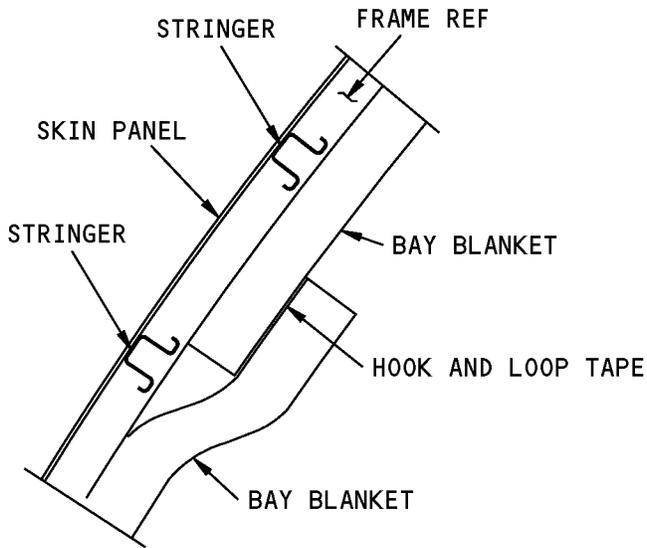
25-80-00

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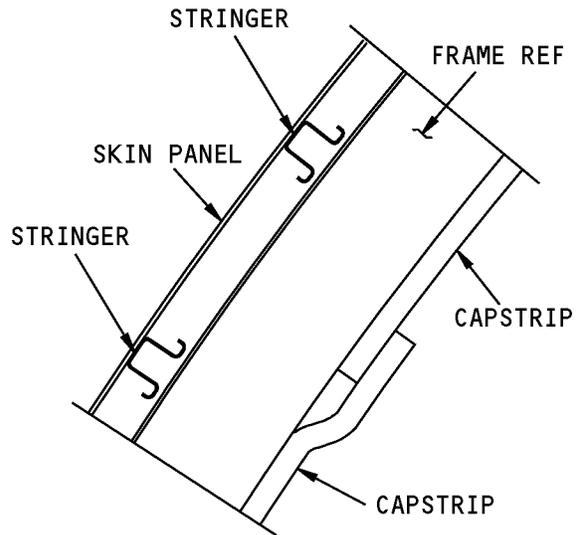
AIRCRAFT MAINTENANCE MANUAL



**BLANKET TO BLANKET INSTALLATION
(EXAMPLE)**



**BLANKET OVERLAP
(EXAMPLE)**



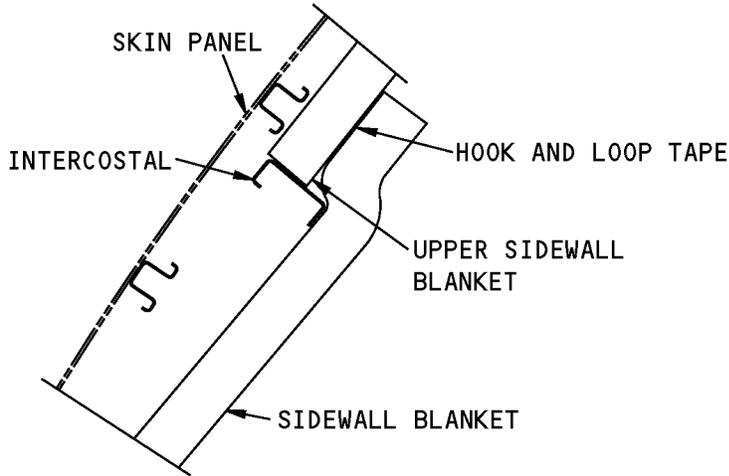
**CAPSTRIP OVERLAP
(EXAMPLE)**

**Insulation Blanket Installation
Figure 401 (Sheet 4 of 9)/25-80-00-990-801**

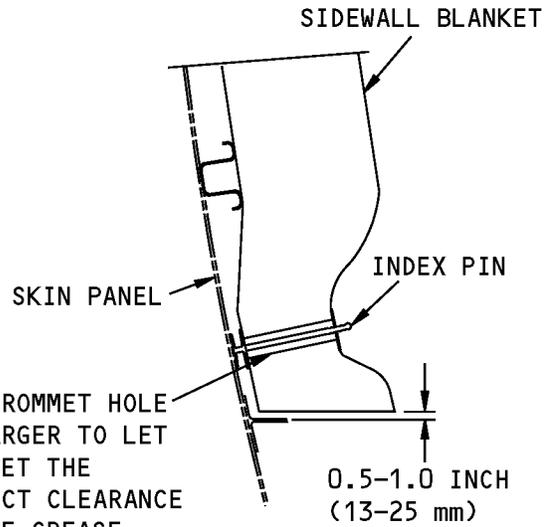
EFFECTIVITY
HAP ALL

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AIRCRAFT MAINTENANCE MANUAL

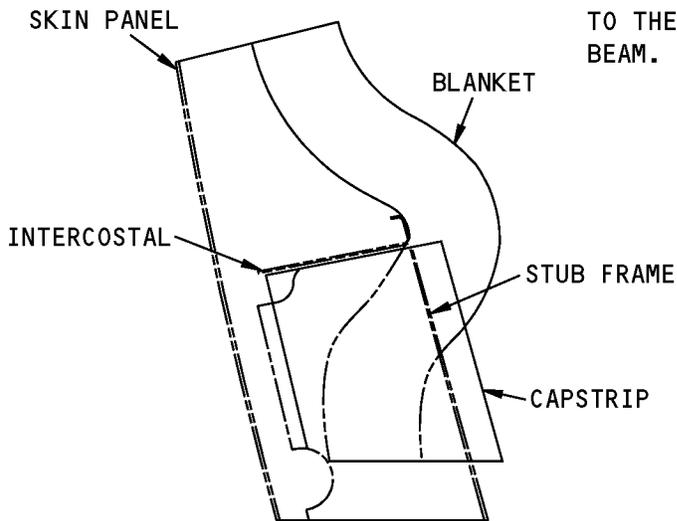


**SIDEWALL BLANKET OVERLAP
AT THE INTERCOSTAL
(EXAMPLE)**



THE GROMMET HOLE IS LARGER TO LET YOU GET THE CORRECT CLEARANCE TO THE CREASE BEAM.

**BLANKET INDEX PIN
INSTALLATION AT FLOOR
(EXAMPLE)**



**STUB FRAME
CAPSTRIP INSTALLATION
(EXAMPLE)**

**Insulation Blanket Installation
Figure 401 (Sheet 5 of 9)/25-80-00-990-801**

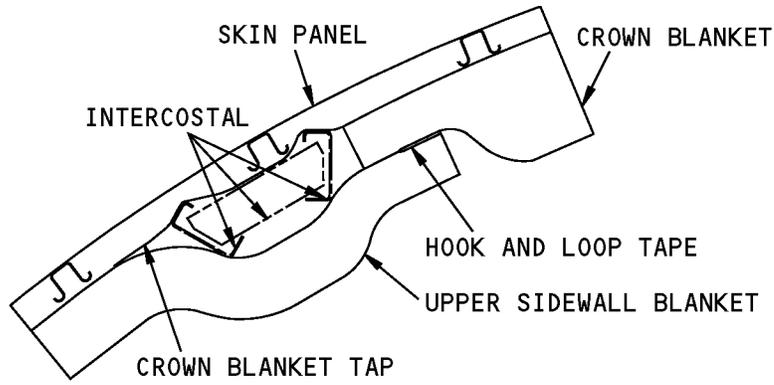
EFFECTIVITY
HAP ALL

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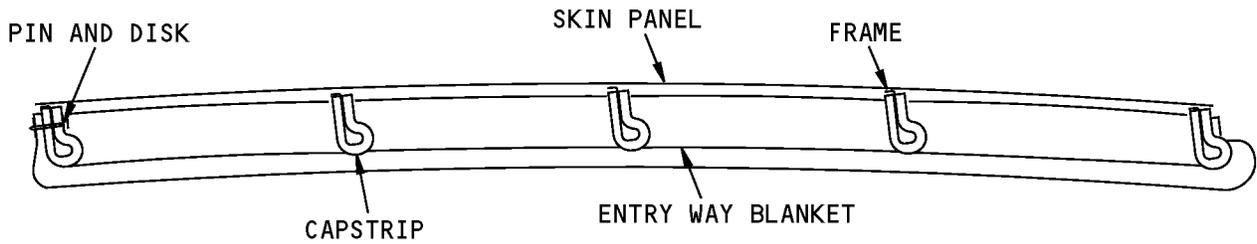
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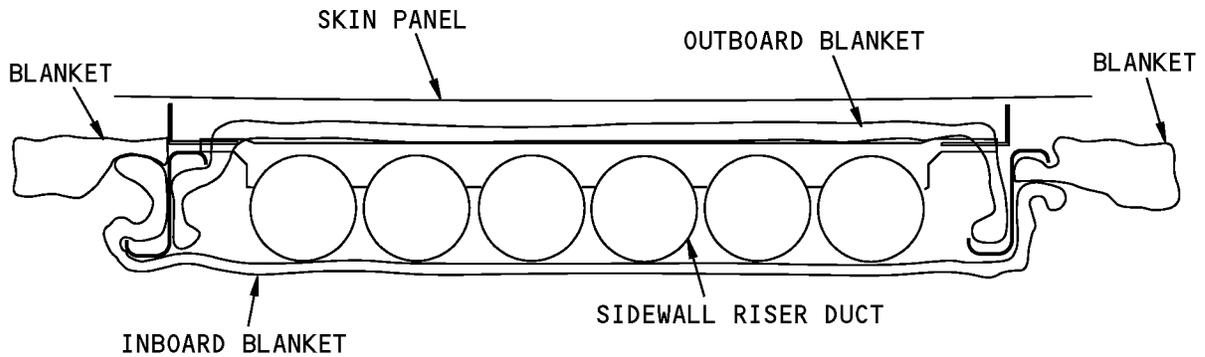
**737-600/700/800/900
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**UPPER SIDEWALL BLANKET
OVERLAP AT THE INTERCOSTAL
(EXAMPLE)**



**ENTRY WAY ABOVE DOOR
INSTALLATION
(EXAMPLE)**



**SIDEWALL RISER DUCT
INSTALLATION
(EXAMPLE)**

**Insulation Blanket Installation
Figure 401 (Sheet 6 of 9)/25-80-00-990-801**

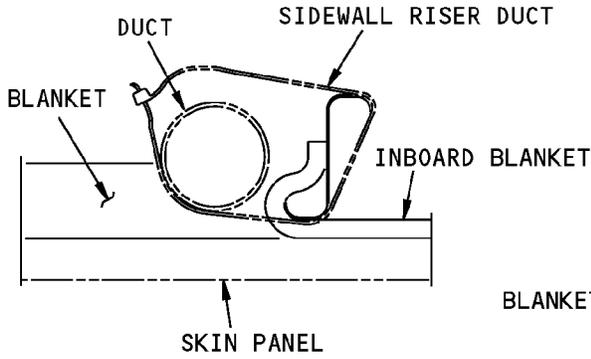
EFFECTIVITY
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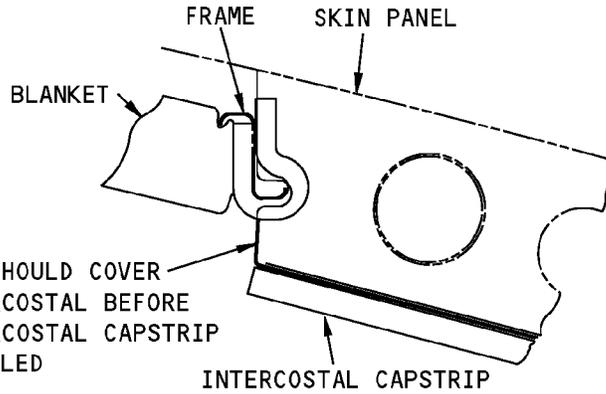
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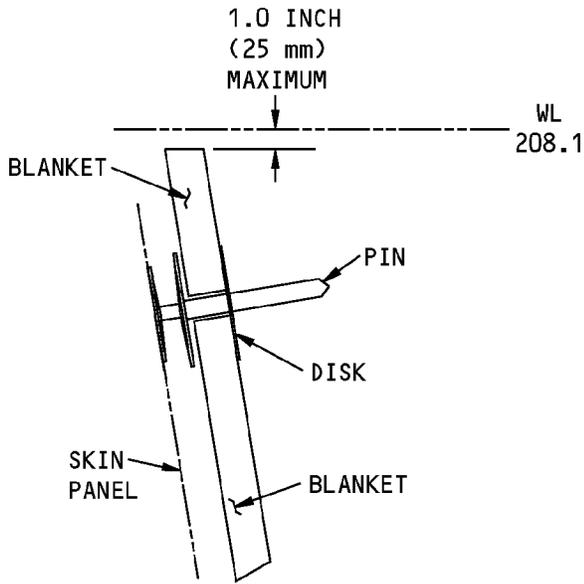


**CAPSTRIP TO DUCT
INSTALLATION
(EXAMPLE)**

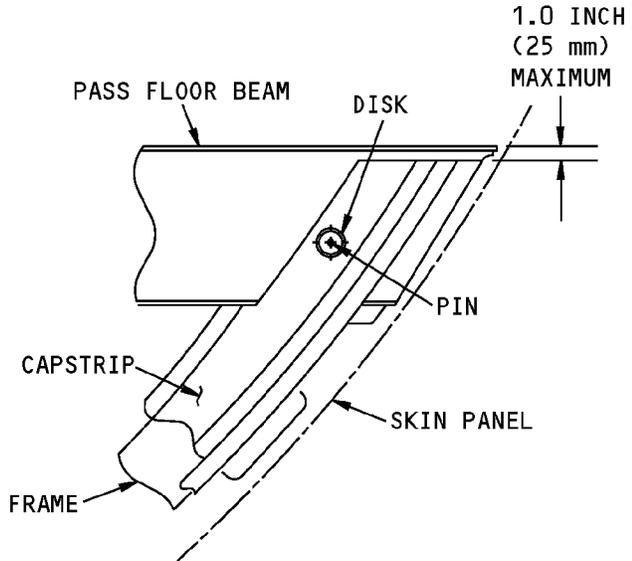
THE TAB SHOULD COVER
THE INTERCOSTAL BEFORE
THE INTERCOSTAL CAPSTRIP
IS INSTALLED



**CROWN INTERCOSTAL/TAB
INSTALLATION
(EXAMPLE)**



**TOP EDGE OF
BLANKET INSTALLATION
(EXAMPLE)**



**FLOOR BEAM CAPSTRIP INSTALLATION
(EXAMPLE)**

**Insulation Blanket Installation
Figure 401 (Sheet 7 of 9)/25-80-00-990-801**

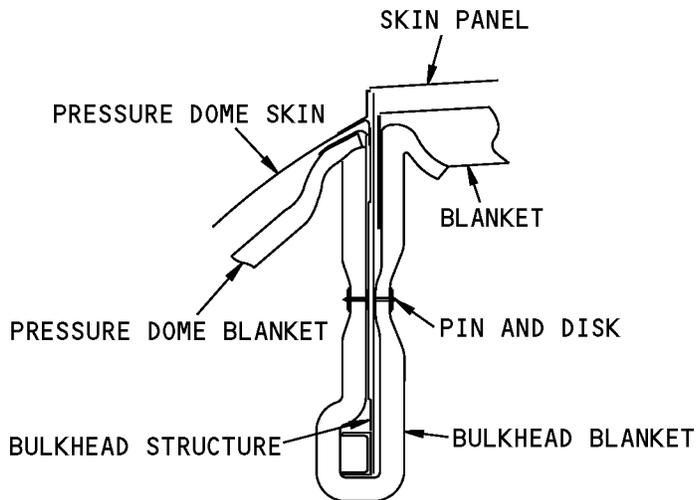
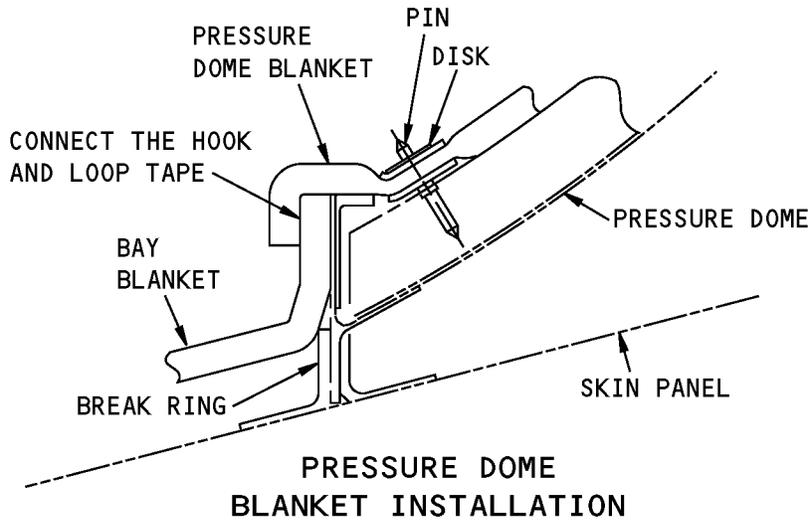
EFFECTIVITY
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AIRCRAFT MAINTENANCE MANUAL**



**PRESSURE DOME BULKHEAD
INSTALLATION
(EXAMPLE)**

**Insulation Blanket Installation
Figure 401 (Sheet 8 of 9)/25-80-00-990-801**

EFFECTIVITY
HAP ALL

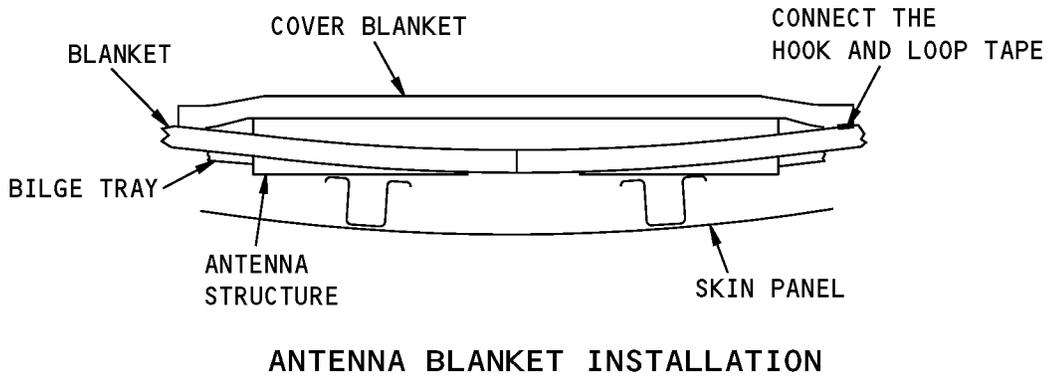
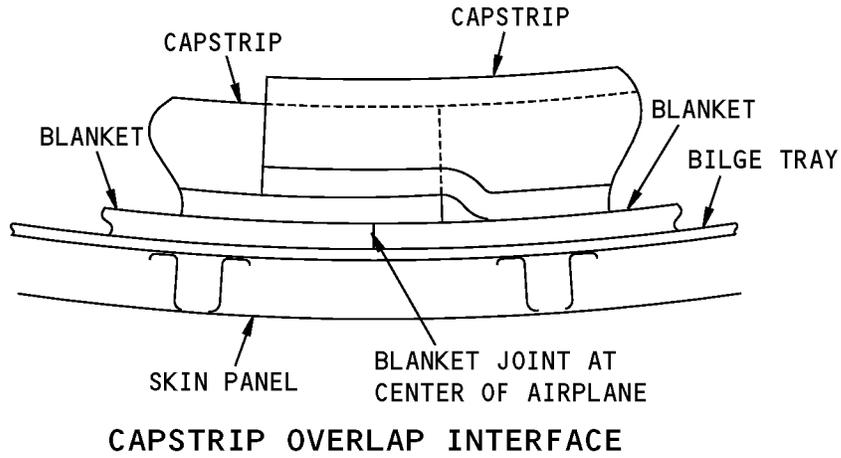
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AIRCRAFT MAINTENANCE MANUAL**



**Insulation Blanket Installation
Figure 401 (Sheet 9 of 9)/25-80-00-990-801**

EFFECTIVITY
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AIRCRAFT MAINTENANCE MANUAL

INSULATION - REPAIRS

1. General

A. This procedure has these tasks:

HAP 001-013, 015-026, 028-030 PRE SEP 2, 2005 FAR STD; AIRPLANES WITHOUT FAR 25.856(a) COMPLIANT THERMAL/ACOUSTIC INSULATION MATERIALS

- (1) Repair the Insulation Blanket with BMS8-142 Cover Material.
- (2) Repair the Insulation Blanket with BMS8-115 Cover Material.

HAP 031-054, 101-999; HAP 001-013, 015-026, 028-030 POST SEP 2, 2005 FAR STD; AIRPLANES WITH FAR 25.856(a) COMPLIANT THERMAL/ACOUSTIC INSULATION MATERIALS

- (3) Repair the Insulation Blanket with BMS8-377 Cover Material.
- (4) Repair the Insulation Blanket with BMS8-370 Cover Material.

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- (5) Insulation Blanket Manufacturing.

HAP 001-013, 015-026, 028-030 PRE SEP 2, 2005 FAR STD; AIRPLANES WITHOUT FAR 25.856(a) COMPLIANT THERMAL/ACOUSTIC INSULATION MATERIALS

TASK 25-80-00-340-801

2. Repair the Insulation Blanket with BMS8-142 Cover Material

(Figure 801)

A. General

- (1) This procedure has instructions to repair insulation blanket with BMS8-142 cover material.

B. References

Reference	Title
25-80-00-000-801	Insulation Blanket Removal (P/B 401)
25-80-00-400-801	Insulation Blanket Installation (P/B 401)

C. Consumable Materials

Reference	Description	Specification
G00086	Insulation - Thermal-Acoustical Fiberglass (Water-Repellant, Punk-Resistant Fiberglass Batting)	BMS 8-48, Type III
G00087	Fabric, Insulation Covering (Self-Extinguishing)	BMS8-142
G02305	Tape - Insulation Blanket	BMS5-149
G02360	Tape - Hook/Loop Fastener (Polypropylene Hook & Nylon Loop)	BMS 8-285, Type IV
G50099	Tape - Pressure Sensitive Insulative Cover Splicing - 78-C or 70-1C or OT?49W	BMS5-149, Type XI, Class 1, Grade C, Form I
G50327	Tape - Advanced Insulation Blanket	BMS5-157, Type I, Class 1, Grade B Composition MPVF
G50330	Fabric - Insulation Covering, Flame Propagation Resistant	BMS8-377

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COMPLIANT THERMAL/ACOUSTIC INSULATION MATERIALS (Continued)

(Continued)

Reference	Description	Specification
G50333	Tape - Hook/Loop Fastener, Flame Propagation Resistant	BMS8-372

D. Location Zones

Zone	Area
100	Lower Half of Fuselage
200	Upper Half of Fuselage

E. Prepare to Repair the Insulation Blanket

SUBTASK 25-80-00-212-004

- (1) Visually check the amount of damage to the insulation blanket.
 - (a) If the amount of damage is more than 25 percent of the total area on either the front side or back side of the insulation blanket, replace the insulation blanket. Do these tasks:
 - 1) Insulation Blanket Removal, TASK 25-80-00-000-801.
 - 2) Insulation Blanket Installation, TASK 25-80-00-400-801.
 - (b) If the amount of damage is less than 25 percent of the total area on either the front side or back side of the insulation blanket, continue.

SUBTASK 25-80-00-160-003

WARNING: DO NOT USE DETERGENTS OR SOLVENTS TO CLEAN THE INSULATION BLANKET. IT CAN REMOVE FLAME RETARDANTS AND CAUSE FLAMMABLE RESIDUES ON THE INSULATION BLANKET WHICH INCREASES THE RISK OF FIRE. THIS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (2) If there is Corrosion-inhibiting Compounds (CIC) contamination, oily or waxy substances or other fluids (which typically changes the color and appearance of the insulation blanket cover), replace the insulation blanket.

SUBTASK 25-80-00-160-004

- (3) If there are dust, lint or other loose debris on the insulation blanket, use a vacuum cleaner or a non-metallic soft brush to remove the contamination.

SUBTASK 25-80-00-160-005

- (4) Make sure the repair area is clean and dry.

F. Repair the Insulation Blanket with BMS8-142 Cover Material

NOTE: BMS8-142 cover material is a thin translucent plastic film with an open weave scrim on one side and has grid-like appearance.

BMS8-142 is replaced by BMS8-377 to comply with the flame propagation requirements of FAR 25.856.

SUBTASK 25-80-00-340-051

- (1) To repair a grommet hole in the insulation blanket, do these steps:

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HAP 001-013, 015-026, 028-030 PRE SEP 2, 2005 FAR STD; AIRPLANES WITHOUT FAR 25.856(a)
COMPLIANT THERMAL/ACOUSTIC INSULATION MATERIALS (Continued)

- (a) Make two round tape patches from tape, G02305 or 78-C or 70-1C tape, G50099 (BMS5-149) or tape, G50327 (BMS5-157) with a diameter of 1.50 - 2.0 inches (38-51 mm) larger than the grommet hole.

NOTE: Tape (BMS5-157) is FAR 25.856 compliant, and it is the preferred alternative to tape (BMS5-149).

- (b) Make a fiberglass plug from fiberglass batting insulation, G00086 (BMS8-48) that is equivalent in type, class, and grade as those used in the insulation blanket.
- (c) Put the fiberglass plug into the grommet hole.
- (d) Put the round tape patches over the grommet hole on each side of the insulation blanket.
 - 1) Make sure the tape patch overlaps the edge of the grommet hole by a minimum of 0.75 inch (19 mm).
- (e) Push on the tape patch to make sure there is a good bond with the insulation blanket cover.

SUBTASK 25-80-00-340-052

- (2) To repair a tear in the insulation blanket, do these steps:

- (a) Make a fiberglass plug from fiberglass batting insulation, G00086 (BMS8-48) that is equivalent in type, class, and grade as those used in the insulation blanket and put the fiberglass plug into the damaged area.
- (b) Use your fingers to close the tear.
- (c) Make a tape patch from tape, G02305 or 78-C or 70-1C tape, G50099 (BMS5-149) or tape, G50327 (BMS5-157) that is 0.75 - 1.50 inches (19-38 mm) larger than the tear on all sides.

NOTE: Tape (BMS5-157) is FAR 25.856 compliant, and it is the preferred alternative to tape (BMS5-149).

- 1) Make sure the corners on the tape patch are rounded.
- (d) Put the tape patch over the tear.
 - 1) Make sure the tape patch overlaps the damaged area by 0.75 - 1.50 inch (19-38 mm) on all sides.
- (e) Push on the tape patch to make sure there is a good bond with the insulation blanket cover.

SUBTASK 25-80-00-340-053

- (3) To repair a damage that is larger than a tear in the insulation blanket cover, do these steps:

- (a) Cut a rectangle out of the damaged blanket cover which fully removes the damaged area.
 - 1) Keep the rectangle cutout as template to make a new replacement cover patch.
- (b) Use the rectangle cutout template to make a rectangle cover patch that is similar in shape and size as the template from fabric, G00087 (BMS8-142) or fabric, G50330 (BMS8-377).

NOTE: Fabric (BMS8-377) is FAR 25.856 compliant, and it is the preferred alternative to fabric (BMS8-142).

- (c) If there are damages to the fiberglass batting (BMS8-48) inside the blanket cover, do these steps:
 - 1) If the damaged area is only on the first layer of the fiberglass batting, do these steps:

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COMPLIANT THERMAL/ACOUSTIC INSULATION MATERIALS (Continued)

- a) Cut a rectangle out of the damaged fiberglass batting to fully remove the damaged area on the first layer of the fiberglass batting, and leave behind leaves a rectangular void in the blanket.
 - b) Cut a ply of replacement fiberglass patch from fiberglass batting insulation, G00086 (BMS8-48) that extends a minimum of 2.0 inches (51 mm) past the edges of the rectangular void.
 - c) Put the replacement fiberglass patch over the center of the rectangular void and under the blanket cover.
- 2) If the damaged area is on multiple layers of the fiberglass batting, do these steps:
- a) Cut out the damaged fiberglass batting to fully remove the damaged area.
 - b) Interleave new plies of fiberglass batting from fiberglass batting insulation, G00086 (BMS8-48) that is equivalent in type/class/grade as those used in the insulation blanket, as necessary
- (d) Put the rectangle cover patch over the cutout on the insulation blanket cover.
- (e) Make a tape patch from tape, G02305 or 78-C or 70-1C tape, G50099 (BMS5-149) or tape, G50327 (BMS5-157) that is a minimum of 1.0 inches (25 mm) larger than all sides of the rectangle cutout.

NOTE: Tape (BMS5-157) is FAR 25.856 compliant, and it is the preferred alternative to tape (BMS5-149).

- 1) Make sure the corners on the tape patch are rounded.
- (f) Put the tape patches over the joints to keep the rectangle cover patch in place on all sides.
- 1) Make sure the tape patch overlaps the joint by a minimum of 1.0 inches (25 mm) on all sides.
- (g) Push on the tape patch to make sure there is a good bond with the insulation blanket cover.
- (h) Install external garment tags, spaced at 6.0 inches (152 mm) onto the overlapped fiberglass repair area to keep the fiberglass batting in position between the covers.
- 1) Cut a 1.0 inch (25 mm) diameter circle of tape from tape, G02305 or 78-C or 70-1C tape, G50099 (BMS5-149) or tape, G50327 (BMS5-157) for use as reinforcement tape.
 - 2) Put the reinforcement tape over the area where the external garment tag is to be stapled through on both sides of the blanket.
 - 3) Staple the external garment tag through all layers of the insulation blanket, which includes the reinforcement tapes.
 - 4) Cut a 2.0 inches (51 mm) diameter circle of tape from tape, G02305 or 78-C or 70-1C tape, G50099 (BMS5-149) or tape, G50327 (BMS5-157) for use as covering tape.
 - 5) Put the covering tape over the external garment tag and reinforcement tape onto the insulation cover on both sides of the insulation blanket.
 - 6) Push on the tape to make sure there is a good bond with the insulation blanket cover.

SUBTASK 25-80-00-340-054

- (4) To replace a damaged hook/loop tape on the insulation blanket cover, do these steps:
- (a) Carefully removed the damaged part of the hook/loop tape from the insulation blanket cover.

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HAP 001-013, 015-026, 028-030 PRE SEP 2, 2005 FAR STD; AIRPLANES WITHOUT FAR 25.856(a) COMPLIANT THERMAL/ACOUSTIC INSULATION MATERIALS (Continued)

- (b) Clean and dry the adhesive surface left by the removal of the damaged hook/loop tape.
(c) Put a piece of tape, G02305 or 78-C or 70-1C tape, G50099 (BMS5-149) or tape, G50327 (BMS5-157) over the area left by the removal of the damaged hook/loop tape on both sides of the insulation blanket assembly, if necessary.

NOTE: Tape (BMS5-157) is FAR 25.856 compliant, and it is the preferred alternative to tape (BMS5-149).

Make sure the tape is larger than the damaged area on the insulation cover by a minimum of 1.0 inches (25 mm) on all sides.

- (d) Install the replacement hook/loop tape, G02360 (BMS8-285) or hook/loop tape, G50333 (BMS8-372) at the correct location on the insulation blanket cover.

NOTE: Hook/loop tape (BMS8-372) is FAR 25.856 compliant, and it is the preferred alternative to hook/loop tape (BMS8-285).

END OF TASK

TASK 25-80-00-340-802

3. Repair the Insulation Blanket with BMS8-115 Cover Material

(Figure 801)

A. General

- (1) This procedure has instructions to repair insulation blanket with BMS8-115 cover material.

B. References

Table with 2 columns: Reference, Title. Rows include 25-80-00-000-801 Insulation Blanket Removal (P/B 401) and 25-80-00-400-801 Insulation Blanket Installation (P/B 401)

C. Consumable Materials

Table with 3 columns: Reference, Description, Specification. Rows include A00153 Adhesive - Low Odor, Synthetic Rubber, 1 Part BMS 5-30; G02308 Fabric - Polymer Coated, Flame Resistant BMS8-115; G50328 Fabric - Advance Polymer Coated, Flame Propagation Resistant BMS8-370

D. Location Zones

Table with 2 columns: Zone, Area. Rows include 100 Lower Half of Fuselage and 200 Upper Half of Fuselage

E. Prepare to Repair the Insulation Blanket

SUBTASK 25-80-00-212-005

- (1) Visually check the amount of damage to the insulation blanket.
(a) If the amount of damage is more than 25 percent of the total area on either the front side or back side of the insulation blanket, replace the insulation blanket. Do these tasks:
1) Insulation Blanket Removal, TASK 25-80-00-000-801.

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HAP 001-013, 015-026, 028-030 PRE SEP 2, 2005 FAR STD; AIRPLANES WITHOUT FAR 25.856(a)
COMPLIANT THERMAL/ACOUSTIC INSULATION MATERIALS (Continued)

2) Insulation Blanket Installation, TASK 25-80-00-400-801.

- (b) If the amount of damage is less than 25 percent of the total area on either the front side or back side of the insulation blanket, continue.

SUBTASK 25-80-00-160-006

WARNING: DO NOT USE DETERGENTS OR SOLVENTS TO CLEAN THE INSULATION BLANKET. IT CAN REMOVE FLAME RETARDANTS AND CAUSE FLAMMABLE RESIDUES ON THE INSULATION BLANKET WHICH INCREASES THE RISK OF FIRE. THIS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (2) If there is Corrosion-inhibiting Compounds (CIC) contamination, oily or waxy substances or other fluids (which typically changes the color and appearance of the insulation blanket cover), replace the insulation blanket.

SUBTASK 25-80-00-160-007

- (3) If there are dust, lint or other loose debris on the insulation blanket, use a vacuum cleaner or a non-metallic soft brush to remove the contamination.

SUBTASK 25-80-00-160-008

- (4) Make sure the repair area is clean and dry.

F. Repair the Insulation Blanket with BMS8-115 Cover Material

NOTE: BMS8-115 cover material has a smooth and silky surface, typically eggshell color in appearance (may also be in other colors). It is used in only a few areas of the airplane.

BMS8-115 is replaced by BMS8-370 to comply with the flame propagation requirements of FAR 25.856.

SUBTASK 25-80-00-340-059

- (1) Do these steps if there are damages on the insulation blanket cover:

- (a) Identify the perimeter around the damaged area on the insulation blanket for a cover patch area that is larger than the damaged area by 1.0 - 1.5 inches (25-38 mm) on all sides.
- (b) If the cover patch area that is identified on the damaged insulation blanket can fit into a 3.0 inches by 3.0 inches (76 mm by 76 mm) square, do these steps:

- 1) Make a cover patch from fabric, G02308 (BMS8-115) or fabric, G50328 (BMS8-370) that is larger than the damaged area by 1.0 -1.5 inches (25-38 mm) on all sides.

NOTE: Fabric (BMS8-370) is FAR 25.856 compliant, and it is the preferred alternative to fabric (BMS8-115).

- a) Make sure the corners on the cover patch are rounded.
- 2) Lightly abrade the entire adhesive side of the cover patch and the area to be covered by the cover patch, with 180-grit or finer paper to remove any gloss.
- 3) Apply adhesive, A00153 (BMS5-30) on the bonding surface of the cover patch area or insulation blanket cover.
- 4) Put the adhesive side of the cover patch over the damaged area of the insulation blanket cover.
- 5) Make sure there is an overlap of 1.0 -1.5 inches (25-38 mm) between the damaged area and the edge of the cover patch on all sides.
- 6) Wipe off any adhesive, A00153 (BMS5-30) that is not necessary.

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**HAP 001-013, 015-026, 028-030 PRE SEP 2, 2005 FAR STD; AIRPLANES WITHOUT FAR 25.856(a)
COMPLIANT THERMAL/ACOUSTIC INSULATION MATERIALS (Continued)**

- 7) Push on the cover patch to make sure there is a good bond with the insulation blanket cover.
- (c) If the cover patch area that is identified on the damaged insulation blanket cannot fit into a 3.0 inches by 3.0 inches (76 mm by 76 mm) square, do these steps:
 - 1) Make a cover patch from fabric, G02308 (BMS8-115) or fabric, G50328 (BMS8-370) that is larger than the damaged area by 1.0 - 1.5 inches (25-38 mm) on all sides.

NOTE: Fabric (BMS8-370) is FAR 25.856 compliant, and it is the preferred alternative to fabric (BMS8-115).

 - a) Make sure the corners on the fabric patch are rounded.
 - 2) Lightly abrade the periphery of the adhesive side of the cover patch with 180-grit or finer paper to remove any gloss.
 - 3) Lightly abrade the area around the periphery of the damaged area to be covered by the cover patch with 180-grit or finer paper to remove any gloss.
 - 4) Apply adhesive, A00153 (BMS5-30) up to 1.0 inch (25-38 mm) wide on the abraded area.
 - 5) Put the adhesive side of the cover patch over the damaged area of the insulation blanket cover.
 - 6) Make sure there is an overlap of 1.0 -1.5 inches (25-38 mm) between the damaged area and the edge of the cover patch on all sides.
 - 7) Wipe off any adhesive, A00153 (BMS5-30) that is not necessary.
 - 8) Push on the cover patch to make sure there is a good bond with the insulation blanket cover.

END OF TASK

HAP 031-054, 101-999; HAP 001-013, 015-026, 028-030 POST SEP 2, 2005 FAR STD; AIRPLANES WITH FAR 25.856(a) COMPLIANT THERMAL/ACOUSTIC INSULATION MATERIALS

TASK 25-80-00-340-803

4. Repair the Insulation Blanket with BMS8-377 Cover Material

(Figure 801)

A. General

- (1) This procedure has instructions to repair insulation blanket with BMS8-377 cover material.

B. References

Reference	Title
25-80-00-000-801	Insulation Blanket Removal (P/B 401)
25-80-00-400-801	Insulation Blanket Installation (P/B 401)

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HAP 031-054, 101-999; HAP 001-013, 015-026, 028-030 POST SEP 2, 2005 FAR STD; AIRPLANES WITH FAR 25.856(a) COMPLIANT THERMAL/ACOUSTIC INSULATION MATERIALS (Continued)

C. Consumable Materials

Reference	Description	Specification
G00086	Insulation - Thermal-Acoustical Fiberglass (Water-Repellant, Punk-Resistant Fiberglass Batting)	BMS 8-48, Type III
G50327	Tape - Advanced Insulation Blanket	BMS5-157 Type I, Class 1, Grade B Composition MPVF
G50330	Fabric - Insulation Covering, Flame Propagation Resistant	BMS8-377
G50333	Tape - Hook/Loop Fastener, Flame Propagation Resistant	BMS8-372

D. Location Zones

Zone	Area
100	Lower Half of Fuselage
200	Upper Half of Fuselage

E. Prepare to Repair the Insulation Blanket

SUBTASK 25-80-00-212-003

- (1) Visually check the amount of damage to the insulation blanket.
 - (a) If the amount of damage is more than 25 percent of the total area on either the front side or back side of the insulation blanket, replace the insulation blanket. Do these tasks:
 - 1) Insulation Blanket Removal, TASK 25-80-00-000-801.
 - 2) Insulation Blanket Installation, TASK 25-80-00-400-801.
 - (b) If the amount of damage is less than 25 percent of the total area on either the front side or back side of the insulation blanket, continue.

SUBTASK 25-80-00-160-009

WARNING: DO NOT USE DETERGENTS OR SOLVENTS TO CLEAN THE INSULATION BLANKET. IT CAN REMOVE FLAME RETARDANTS AND CAUSE FLAMMABLE RESIDUES ON THE INSULATION BLANKET WHICH INCREASES THE RISK OF FIRE. THIS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (2) If there is Corrosion-inhibiting Compounds (CIC) contamination, oily or waxy substances or other fluids (which typically changes the color and appearance of the insulation blanket cover), replace the insulation blanket.

SUBTASK 25-80-00-160-010

- (3) If there are dust, lint or other loose debris on the insulation blanket, use a vacuum cleaner or a non-metallic soft brush to remove the contamination.

SUBTASK 25-80-00-160-011

- (4) Make sure the repair area is clean and dry.

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F. Repair the Insulation Blanket with BMS8-377 Cover Material

NOTE: BMS8-377 cover material is a thin opaque gray plastic film with an open weave scrim on one side and has a grid-like appearance.

SUBTASK 25-80-00-340-055

- (1) To repair a grommet hole in the insulation blanket, do these steps:
 - (a) Make two round tape patches from tape, G50327 (BMS5-157) with a 1.50 - 2.0 inches (38-51 mm) larger than the grommet hole.
 - (b) Make a fiberglass plug from fiberglass batting insulation, G00086 (BMS8-48) that is equivalent in type/class/grade as those used in the insulation blanket.
 - (c) Put the fiberglass plug into the grommet hole.
 - (d) Put the round tape patches over the grommet hole on both sides of the insulation blanket.
 - 1) Make sure the tape patch overlaps the edge of the grommet hole by a minimum of 0.75 inch (19 mm).
 - (e) Push on the tape patch to make sure there is a good bond with the insulation blanket cover.

SUBTASK 25-80-00-340-056

- (2) To repair a tear in the insulation blanket, do these steps:
 - (a) Make a fiberglass plug from fiberglass batting insulation, G00086 (BMS8-48) that is equivalent in type/class/grade as those used in the insulation blanket and put the fiberglass plug into the damaged area, if necessary.
 - (b) Use your fingers to close the tear.
 - (c) Make a tape patch from tape, G50327 (BMS5-157) that is 0.75 -1.50 inches (19-38 mm) larger than the tear on all sides.
 - 1) Make sure the corners on the tape patch are rounded.
 - (d) Put the tape patch over the tear.
 - 1) Make sure the tape patch overlaps the damaged area by 0.75 - 1.50 inch (19 - 38 mm) on all sides.
 - (e) Push on the tape patch to make sure there is a good bond with the insulation blanket cover.

SUBTASK 25-80-00-340-057

- (3) To repair a damage that is larger than a tear in the insulation blanket cover, do these steps:
 - (a) Cut a rectangle out of the damaged blanket cover which fully removes the damaged area.
 - 1) Keep the rectangle cutout as template to make a new replacement cover patch.
 - (b) Use the rectangle cutout template to make a rectangle cover patch that is similar in shape and size as the template from fabric, G50330 (BMS8-377).
 - (c) If there are damages to the fiberglass batting (BMS8-48) inside the blanket cover, do these steps:
 - 1) If the damaged area is only on the first layer of the fiberglass batting, do these steps:
 - a) Cut a rectangle out of the damaged fiberglass batting to fully remove the damaged area on the first layer of the fiberglass batting, and leave behind a rectangular void in the blanket.

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- b) Cut a ply of replacement fiberglass patch from fiberglass batting insulation, G00086 (BMS8-48) that extends a minimum of 2.0 inches (51 mm) past the edges of the rectangular void.
- c) Put the replacement fiberglass patch over the center of the rectangular void and under the blanket cover.
- 2) If the damaged area is on multiple layers of the fiberglass batting, do these steps:
 - a) Cut out the damaged fiberglass batting to fully remove the damaged area.
 - b) Interleave new plies of fiberglass batting from fiberglass batting insulation, G00086 (BMS8-48) that is equivalent in type/class/grade as those used in the insulation blanket, as necessary
- (d) Put the rectangle cover patch over the cutout on the insulation blanket cover.
- (e) Make a tape patch from tape, G50327 (BMS5-157) that is a minimum of 1.0 inch (25 mm) larger than all sides of the rectangle cutout.
 - 1) Make sure the corners on the tape patch are rounded.
- (f) Put the tape patches over the joints to keep the rectangle cover patch in place on all sides.
 - 1) Make sure the tape patch overlaps the joint by a minimum of 1.0 inch (25 mm) on all sides.
- (g) Push on the tape patch to make sure there is a good bond with the insulation blanket cover.
- (h) Install external garment tags, spaced at 6.0 inches (152 mm) onto the overlapped fiberglass repair area to keep the fiberglass batting in position between the covers.
 - 1) Cut a 1.0 inch (25 mm) diameter circle of tape from tape, G50327 (BMS5-157) for use as reinforcement tape.
 - 2) Put the reinforcement tape over the area where the external garment tag is to be stapled through on both sides of the blanket.
 - 3) Staple the external garment tag through all layers of the insulation blanket, which includes the reinforcement tapes.
 - 4) Cut a 2.0 inches (51 mm) diameter circle of tape from tape, G50327 (BMS5-157) for use as covering tape.
 - 5) Put the covering tape over the external garment tag and reinforcement tape onto the insulation cover on both sides of the insulation blanket.
 - 6) Push on the tape to make sure there is a good bond with the insulation blanket cover.

SUBTASK 25-80-00-340-058

- (4) To replace a damaged hook/loop tape on the insulation blanket cover, do these steps:
 - (a) Carefully removed the damaged part of the hook/loop tape from the insulation blanket cover.
 - (b) Clean and dry the adhesive surface left by the removal of the damaged hook/loop tape.
 - (c) Put a piece of tape, G50327 (BMS5-157) over the area left by the removal of the damaged hook/loop tape on both sides of the insulation blanket assembly, if necessary.
 - 1) Make sure the tape is larger than the damaged area on the insulation cover by a minimum of 1.0 inch (25 mm) on all sides.

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- (d) Install the replacement hook/loop tape, G50333 (BMS8-372) at the correct location on the insulation blanket cover.

————— END OF TASK —————

TASK 25-80-00-340-805

5. Repair the Insulation Blanket with BMS8-370 Cover Material

(Figure 801)

A. General

- (1) This procedure has instructions to repair insulation blanket with BMS8-370 cover material.

B. References

Reference	Title
25-80-00-000-801	Insulation Blanket Removal (P/B 401)
25-80-00-400-801	Insulation Blanket Installation (P/B 401)

C. Consumable Materials

Reference	Description	Specification
A00153	Adhesive - Low Odor, Synthetic Rubber, 1 Part	BMS 5-30
G50328	Fabric - Advance Polymer Coated, Flame Propagation Resistant	BMS8-370

D. Location Zones

Zone	Area
100	Lower Half of Fuselage
200	Upper Half of Fuselage

E. Prepare to Repair the Insulation Blanket

SUBTASK 25-80-00-212-008

- (1) Visually check the amount of damage to the insulation blanket.
 - (a) If the amount of damage is more than 25 percent of the total area on either the front side or back side of the insulation blanket, replace the insulation blanket. Do these tasks:
 - 1) Insulation Blanket Removal, TASK 25-80-00-000-801.
 - 2) Insulation Blanket Installation, TASK 25-80-00-400-801.
 - (b) If the amount of damage is less than 25 percent of the total area on either the front side or back side of the insulation blanket, continue.

SUBTASK 25-80-00-160-012

WARNING: DO NOT USE DETERGENTS OR SOLVENTS TO CLEAN THE INSULATION BLANKET. IT CAN REMOVE FLAME RETARDANTS AND CAUSE FLAMMABLE RESIDUES ON THE INSULATION BLANKET WHICH INCREASES THE RISK OF FIRE. THIS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (2) If there is Corrosion-inhibiting Compounds (CIC) contamination, oily or waxy substances or other fluids (which typically changes the color and appearance of the insulation blanket cover), replace the insulation blanket.

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SUBTASK 25-80-00-160-013

- (3) If there are dust, lint or other loose debris on the insulation blanket, use a vacuum cleaner or a non-metallic soft brush to remove the contamination.

SUBTASK 25-80-00-160-014

- (4) Make sure the repair area is clean and dry.

F. Repair the Insulation Blanket with BMS8-370 Cover Material

NOTE: BMS8-370 cover material has a smooth and silky surface, typically white in appearance. It is used in only a few areas of the airplane.

SUBTASK 25-80-00-340-060

- (1) Do these steps if there are damages on the insulation blanket cover:
 - (a) Identify the perimeter around the damaged area on the insulation blanket for a cover patch area that is larger than the damaged area by 1.0 - 1.5 inches (25-38 mm) on all sides.
 - (b) If the cover patch area that is identified on the damaged insulation blanket can fit into a 3.0 inches by 3.0 inches (76 mm by 76 mm) square, do these steps:
 - 1) Make a cover patch from fabric, G50328 (BMS8-370) that is larger than the damaged area by 1.0 -1.5 inches (25-38 mm) on all sides.
 - a) Make sure the corners on the cover patch are rounded.
 - 2) Lightly abrade the entire adhesive side of the cover patch and the area to be covered by the cover patch, with 180-grit or finer paper to remove any gloss.
 - 3) Apply adhesive, A00153 (BMS5-30) on the bonding surface of the cover patch area or insulation blanket cover.
 - 4) Put the adhesive side of the cover patch over the damaged area of the insulation blanket cover.
 - 5) Make sure there is an overlap of 1.0 -1.5 inches (25-38 mm) between the damaged area and the edge of the cover patch on all sides.
 - 6) Wipe off any adhesive, A00153 (BMS5-30) that is not necessary.
 - 7) Push on the cover patch to make sure there is a good bond with the insulation blanket cover.
 - (c) If the cover patch area that is identified on the damaged insulation blanket cannot fit into a 3.0 inches by 3.0 inches (76 mm by 76 mm) square, the insulation blanket cannot be repaired.
 - 1) Replace the insulation blanket.

HAP ALL

————— END OF TASK —————

TASK 25-80-00-300-801

6. Insulation Blanket Manufacturing

(Figure 802)

A. General

- (1) This procedure has instructions to make new a insulation blanket.

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- (2) The new insulation blanket can either be cut from the assembly of various component materials, or from a semi-finished insulation blanket strip, that is pre-assembled and built from equivalent component materials that are comparable in type/class/grade as those which are not pre-assembled.
- (3) The damaged insulation blanket can be used as a template to make a new insulation blanket.

B. Consumable Materials

Reference	Description	Specification
G00086	Insulation - Thermal-Acoustical Fiberglass (Water-Repellant, Punk-Resistant Fiberglass Batting)	BMS 8-48, Type III
G50327	Tape - Advanced Insulation Blanket	BMS5-157 Type I, Class 1, Grade B Composition MPVF
G50328	Fabric - Advance Polymer Coated, Flame Propagation Resistant	BMS8-370
G50329	Fabric - High Mass Coated, Flame Propagation Resistant	BMS8-374
G50330	Fabric - Insulation Covering, Flame Propagation Resistant	BMS8-377
G50333	Tape - Hook/Loop Fastener, Flame Propagation Resistant	BMS8-372
G50334	Felt - Needled, Flame Propagation Resistant	BMS8-373
G50341	Thread - Kevlar Sewing (T40), Strip Machine Thread (T60)	A-A-55220 Bonded Tex 40, Tex 60
G50408	Foam - Flexible Polyvinylidene Fluoride	BMS8-371
G50442	Tag - Garment, Commercially Available	

C. Location Zones

Zone	Area
100	Lower Half of Fuselage
200	Upper Half of Fuselage

D. Make a New Insulation Blanket

NOTE: The new insulation blanket can either be cut from the assembly of various component materials, or from a semi-finished insulation blanket strip, that is pre-assembled and built from equivalent component materials that are comparable in type/class/grade as those which are not pre-assembled.

SUBTASK 25-80-00-340-039

- (1) To cut out a new insulation blanket from component materials, do these steps:
 - (a) Use the damaged insulation blanket as a template to outline its shape.
 - (b) Cut the applicable insulation cover (or combination of covers):
 - 1) fabric, G50330 (BMS8-377).
 - 2) fabric, G50328 (BMS8-370).
 - 3) fabric, G50329 (BMS8-374).
 - 4) felt, G50334 (BMS8-373).
 - (c) Cut the fiberglass insulation fiberglass batting insulation, G00086 (BMS8-48).

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- 1) Make sure to use fiberglass insulation fiberglass batting insulation, G00086 (BMS8-48) that are equivalent in type/class/grade as those in the template.
- 2) Interleave the fiberglass insulation fiberglass batting insulation, G00086 (BMS8-48) batting, if it is necessary to extend the blanket.
- (d) Put the fiberglass insulation fiberglass batting insulation, G00086 (BMS8-48) in between the applicable inboard and outboard insulation covers.

SUBTASK 25-80-00-340-040

- (2) To cut a new insulation blanket from a semi-finished insulation blanket strip, do these steps:
 - (a) Make sure to use a semi-finished insulation blanket strip that is pre-assembled and built from equivalent component materials that are comparable in type/class/grade as those which are not pre-assembled.
 - (b) Use the damaged insulation blanket as a template to outline its shape on the semi-finished insulation blanket strip.
 - (c) Cut the semi-finished insulation blanket strip to the same shape as the template outline.
 - (d) Interleave the fiberglass insulation fiberglass batting insulation, G00086 (BMS8-48) batting , if it is necessary to extend the blanket.

SUBTASK 25-80-00-340-041

- (3) Do these steps to install external garment tag, G50442 to connect the layers of insulation blanket materials:

NOTE: The garment tag is a commercially available plastic fastener that is stapled through all layers of the insulation blanket and fastened to keep the fiberglass batting inside the insulation blanket in the same position in relation to the blanket covers.

- (a) Cut a 1.0 inch (25 mm) diameter circle of tape, G50327 (BMS5-157) for use as reinforcement tape.
- (b) Put the reinforcement tape over the area where the external garment tag, G50442 is to be stapled through on both sides of the blanket.
- (c) Staple the external garment tag, G50442 through all layers of the insulation blanket, which includes the reinforcement tapes.
 - 1) Make sure to use a garment tag, G50442 of the correct length in relation to the nominal thickness of the insulation blanket, see Table 801.

Table 801 - Insulation Blanket Garment Tag Sizes

Nominal Thickness of Insulation Blanket (Inch)*	Garment Tag Length (Inch)
4.01 to 7.01	3.00
2.01 to 4.00	2.00
1.26 to 2.00	1.00
0.51 to 1.25	0.50
0.38 to 0.50	0.25

* This is the total nominal thickness of all layers of raw material used in blankets.

- (d) Cut a 2.0 inches (51 mm) diameter circle of tape, G50327 (BMS5-157) for use as covering tape.
- (e) Put the covering tape over the external garment tag, G50442 and reinforcement tape, onto the insulation cover on both sides of the blanket.

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- (f) Push on the tape to make sure there is a good bond with the blanket cover.

SUBTASK 25-80-00-340-042

- (4) Do the applicable steps to close the edges and cutouts of the insulation blanket:

- (a) Method 1: Sew the edges.

- 1) Fold the cover fabric over the edge of the blanket or wrap a strip of cover fabric over the edge of the blanket as applicable to bind the edge on the blanket.
- 2) Stitch the edge with kevlar sewing thread, G50341 at 4 to 6 stitches per each inch.
- 3) Make sure the stitches go through the edge binding on both sides of the insulation blanket.
- 4) Seal the stitching on the blanket with tape, G50327 (BMS5-157).

- (b) Method 2: Tape the edges.

NOTE: Applicable for BMS8-377 materials only.

- 1) Use tape, G50327 (BMS5-157) that is sufficiently wide to overlap the top and bottom of the blanket by a minimum of 0.75 inch (19 mm).
- 2) Make the edge the same height as the template.

- (c) Method 3: Heat-seal the edges.

NOTE: Not all types of fabric can be heat sealed. Fabric that can be heat sealed may be heavier than fabric that cannot be heat sealed. Make sure you use the correct type of fabric.

- 1) Hold the top and bottom covers together and heat-seal the edges of the blanket.
- 2) The width of the heat seal must be 0.25 to 0.50 inch (6 to 13 mm).

SUBTASK 25-80-00-340-043

- (5) Install hook/loop tape tape, G50333 (BMS8-372), where applicable.

SUBTASK 25-80-00-340-044

- (6) Install water diverter on the insulation blanket with foam, G50408 (BMS8-371) or equivalent, where applicable.

SUBTASK 25-80-00-340-045

- (7) To make a grommet through a hole in the insulation blanket, use tape, G50327 (BMS5-157) only, or fabric, G50330 (BMS8-377) with tape, G50327 (BMS5-157) to bond it to the insulation blanket.

SUBTASK 25-80-00-340-046

- (8) Do these steps to install vents in the insulation blanket cover:

- (a) Make sure you install the vent so that it opens in the same direction as on the template.
- (b) Cut a hole approximately 1 inch (25 mm) in diameter in the cover fabric.
- (c) Cut a 2 inches (51 mm) circle of tape from tape, G50327 (BMS5-157).
- (d) Remove the release liner from a small part of the circle tape, G50327 (BMS5-157).
- (e) Attach the circle tape, G50327 (BMS5-157) over the hole in the blanket.

SUBTASK 25-80-00-340-047

- (9) Do these steps to quilt the blanket, where applicable:

- (a) Quilt through all layers of the insulation blanket, from cover to cover with kevlar sewing thread, G50341 at 4 to 6 stitches per inch.
- (b) Make sure the grid size of the quilting is a minimum 1.0 inch by 1.0 inch (25 mm by 25 mm) square or larger.

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- (c) Apply strips of tape, G50327 (BMS5-157) over the quilting.
- (d) Overlap the strips of tape, G50327 (BMS5-157) over both sides of the quilting at 0.75 inch (19 mm) intervals.

SUBTASK 25-80-00-340-048

- (10) To add drain holes to the insulation blanket, cut 0.50 inch (13 mm) diameter drain holes at the bottom edge of the blanket on the inboard side at 2.0 inches (51 mm) intervals, where applicable.

SUBTASK 25-80-00-340-049

- (11) Add these part information on the inboard side of the completed insulation blanket cover:
 - (a) Part Number.
 - (b) Supplier Name.
 - (c) Date of Manufacture.

SUBTASK 25-80-00-340-050

CAUTION: DO NOT COMPRESS THE INSULATION BLANKET BY MORE THAN 50 PERCENT. THIS DECREASES THE THERMAL AND ACOUSTIC PROPERTIES. IF YOU COMPRESS IT TOO MUCH, DAMAGE TO THE INSULATION BLANKET WILL OCCUR.

- (12) Put the insulation blanket in a neat stack on a shelf or in a bag for shipping.

————— **END OF TASK** —————

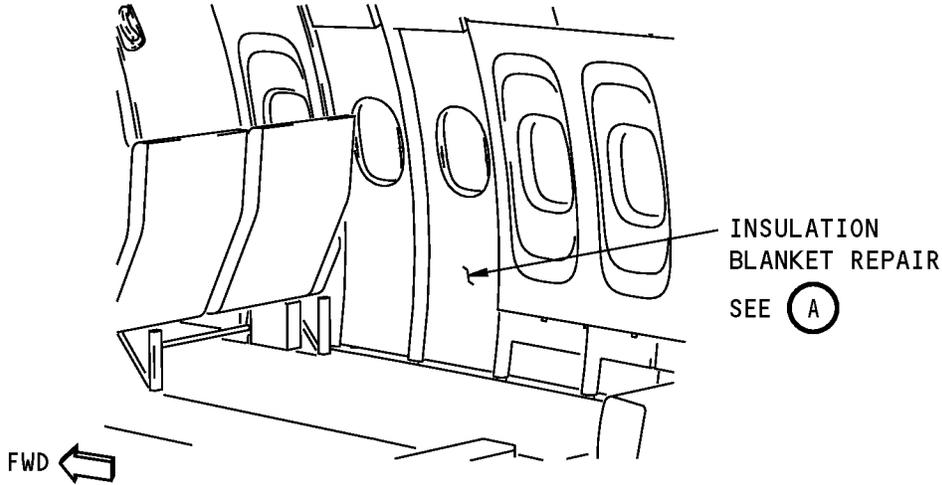
EFFECTIVITY
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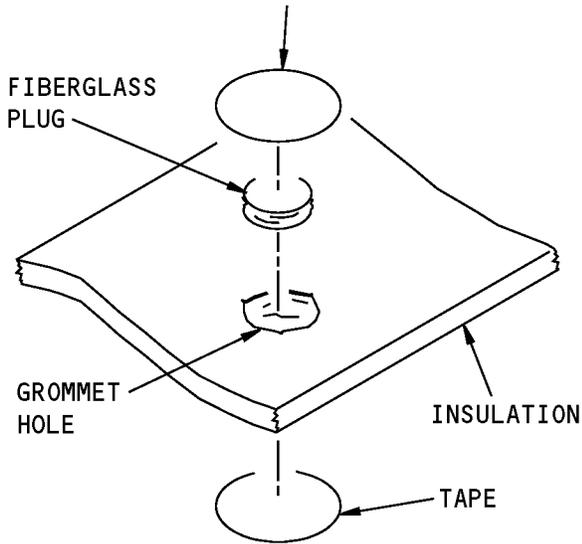
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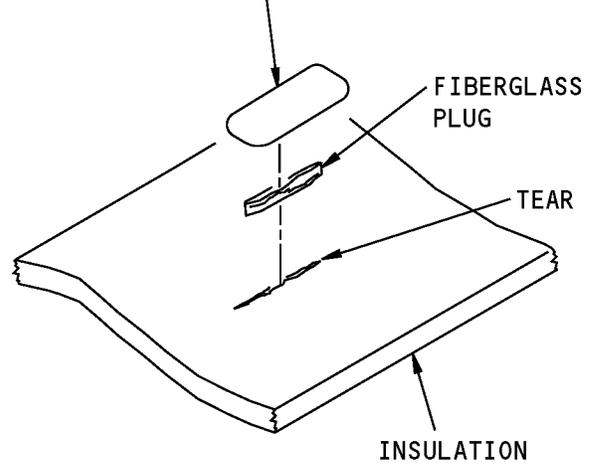


**PASSENGER COMPARTMENT SIDEWALL
(LINER REMOVED)**

TAPE (1.5-2.0 INCHES [38-51 mm]
LARGER IN DIAMETER THAN THE HOLE)



TAPE (0.75-1.50 INCHES [19-38 mm]
LARGER THAN THE TEAR ON ALL SIDES)



**INSULATION BLANKET REPAIR
(EXAMPLE)**

(A)

**Insulation Blanket Repair
Figure 801 (Sheet 1 of 2)/25-80-00-990-804**

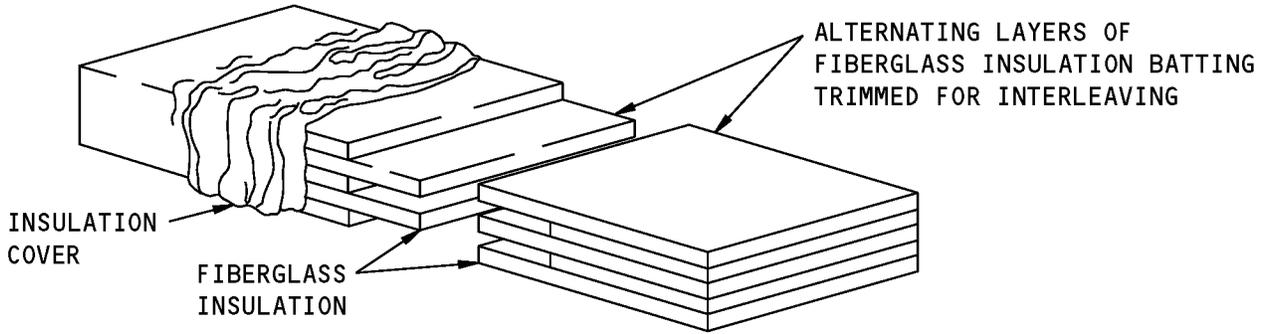
EFFECTIVITY
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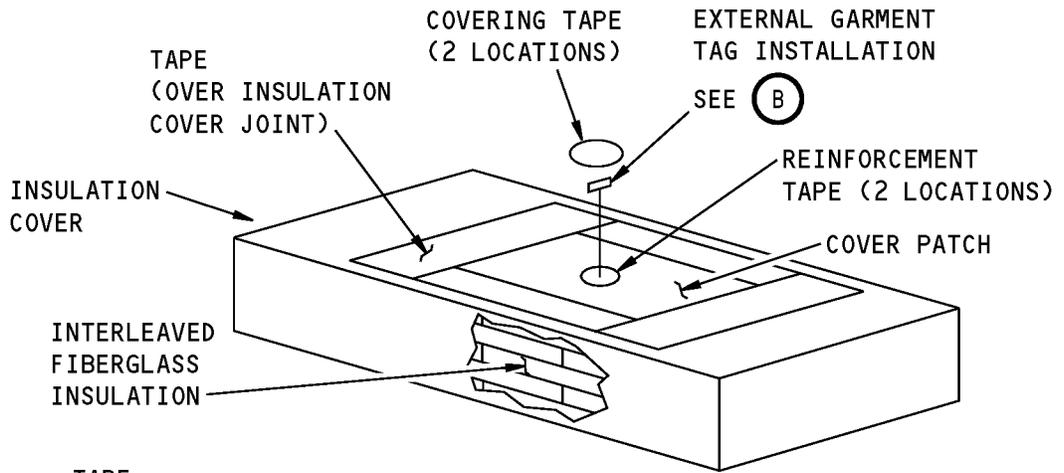
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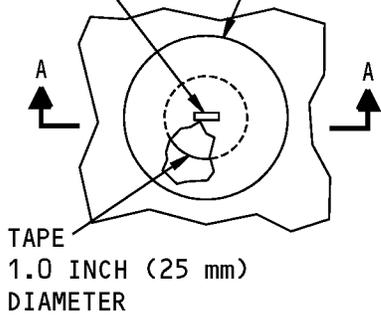
PROCEDURE TO INTERLEAVE FIBERGLASS INSULATION BATTING



GARMENT TAG
(INSERT FROM
INBOARD SIDE
OF BLANKET)

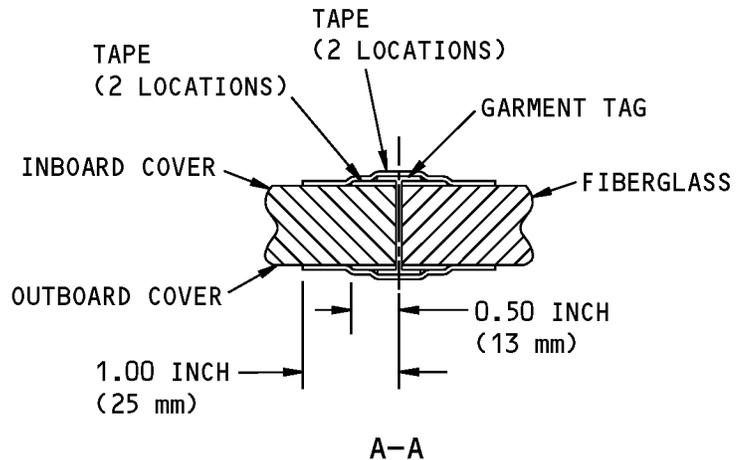
TAPE
2.0 INCH (51 mm)
DIAMETER

ATTACHMENT OF INTERLEAVED PARTS



**EXTERNAL GARMENT TAG
INSTALLATION
(EXAMPLE)**

B

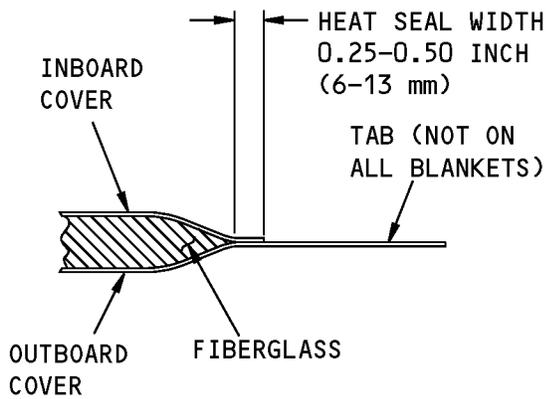


Insulation Blanket Repair
Figure 801 (Sheet 2 of 2)/25-80-00-990-804

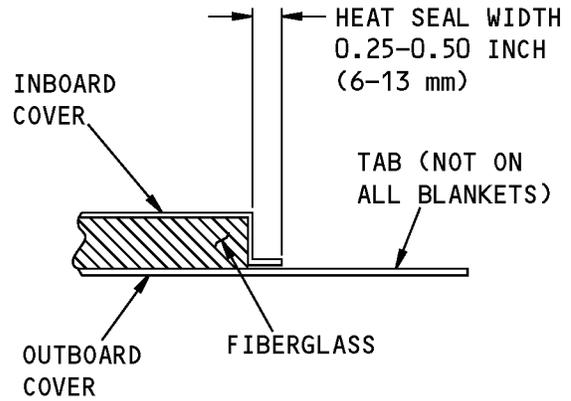
EFFECTIVITY
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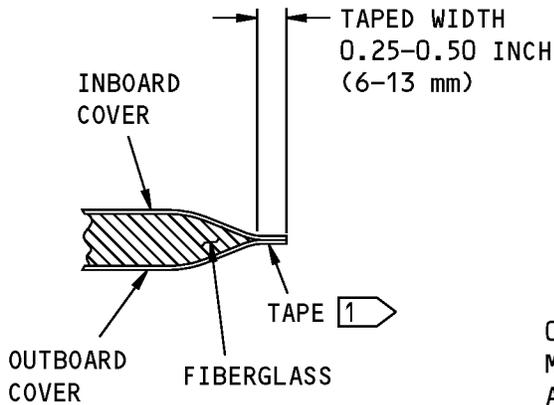
AIRCRAFT MAINTENANCE MANUAL



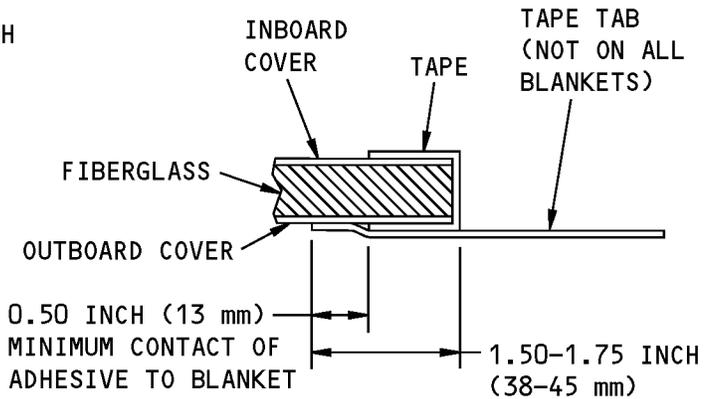
**KNIFE EDGE, HEAT SEALED
(EXAMPLE)**



**BOX EDGE, HEAT SEALED
(EXAMPLE)**



**KNIFE EDGE, TAPED
(EXAMPLE)**



**BOX EDGE, TAPED
(EXAMPLE)**

1 USE DOUBLE BACK TAPE TO ATTACH INBOARD AND OUTBOARD COVER TOGETHER, THEN USE SINGLE BACK TAPE TO WRAP AROUND OUTSIDE OF KNIFE EDGE SEAM.

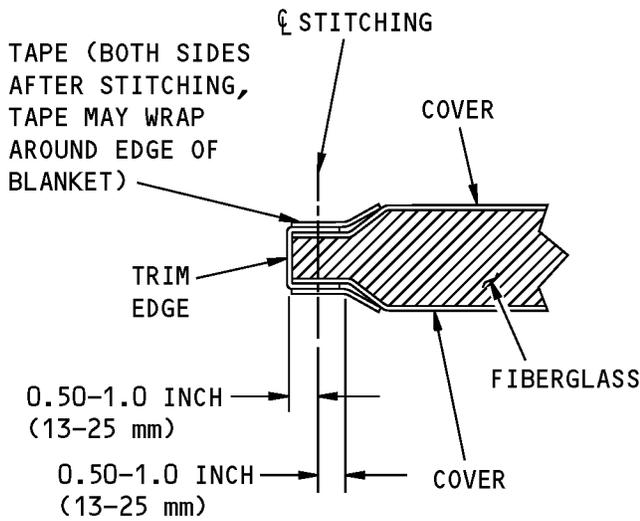
**Insulation Blanket Manufacturing
Figure 802 (Sheet 1 of 8)/25-80-00-990-803**

EFFECTIVITY
HAP ALL

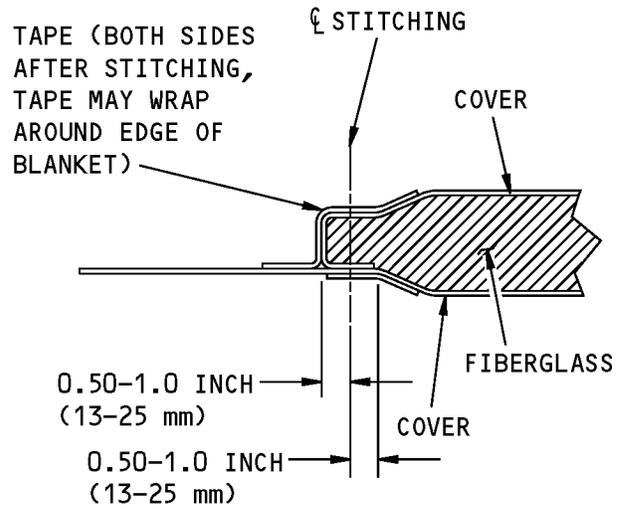
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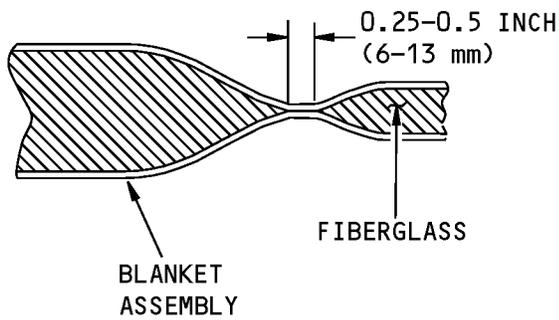
AIRCRAFT MAINTENANCE MANUAL



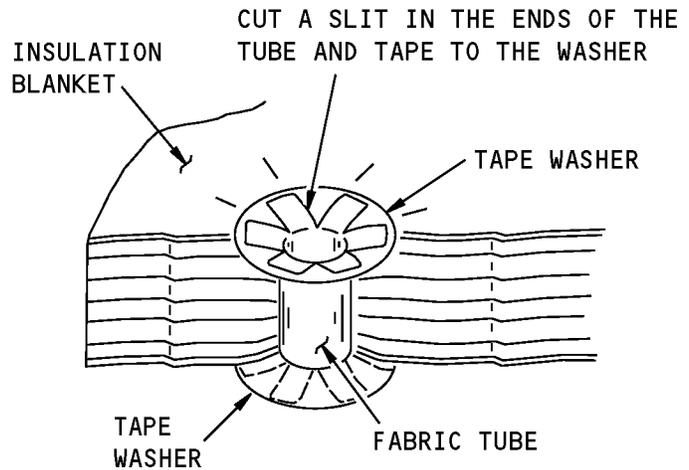
**EDGE BINDING WITHOUT A TAB,
SEWN EDGE**



**EDGE BINDING WITH A TAB,
SEWN EDGE**



**HEATSEAL SEAM LINE
(EXAMPLE)**



**GROMMET INSTALLATION ON
INSULATION BLANKETS**

**Insulation Blanket Manufacturing
Figure 802 (Sheet 2 of 8)/25-80-00-990-803**

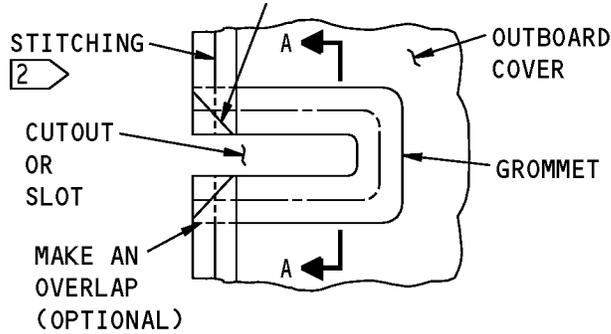
EFFECTIVITY
HAP ALL

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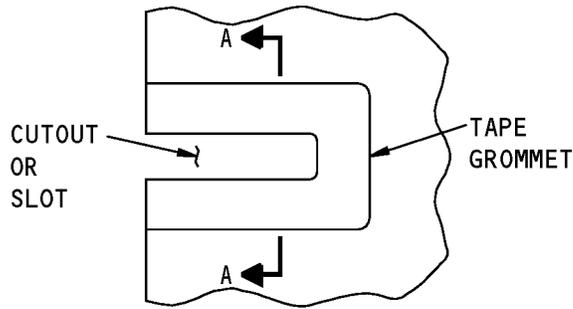
25-80-00

AIRCRAFT MAINTENANCE MANUAL

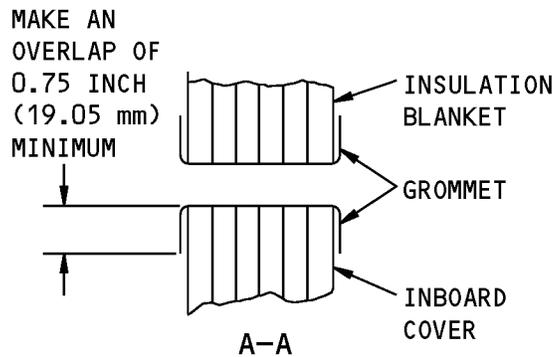
FOLD BACK THE EDGE
OF THE TRIM
APPROXIMATELY
45° AND STITCH AS SHOWN



**TRIM EDGE STITCHED
CUTOUT OR SLOT**



**TRIM EDGE TAPED
CUTOUT OR SLOT** 3



2 USE KEVLAR SEWING THREAD TO
MAKE 5 ±1 STITCHES FOR EACH INCH

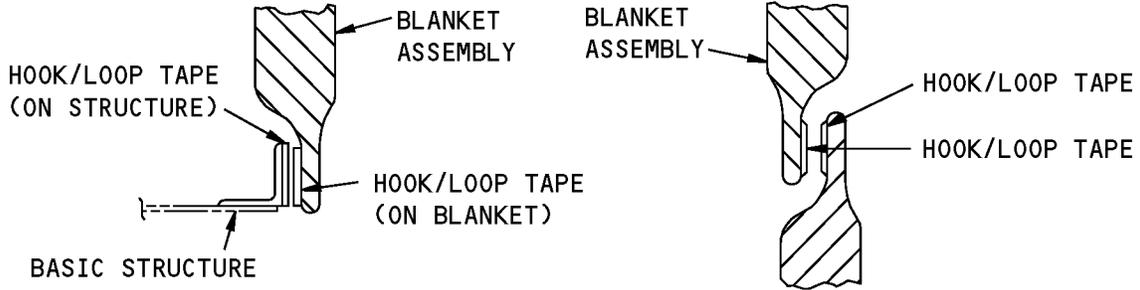
3 USE TAPE TO MAKE GROMMET

**Insulation Blanket Manufacturing
Figure 802 (Sheet 3 of 8)/25-80-00-990-803**

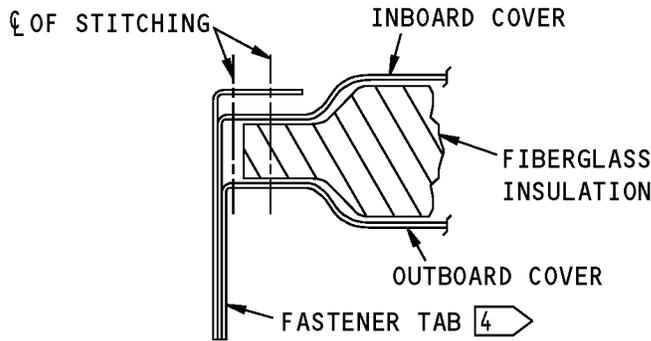
EFFECTIVITY
HAP ALL

D633A101-HAP

AIRCRAFT MAINTENANCE MANUAL

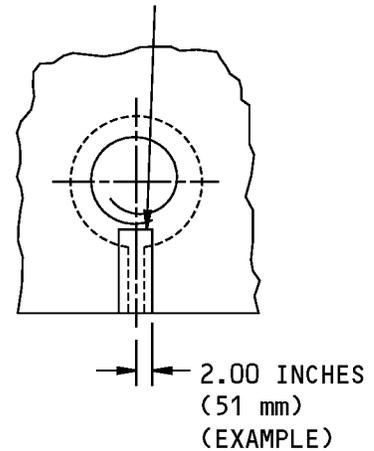
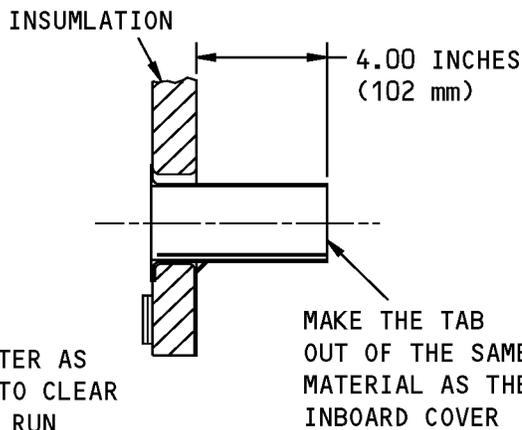
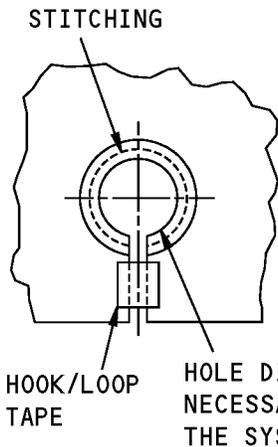


EXAMPLE PROCEDURE TO ATTACH THE BLANKET ASSEMBLIES TO THE AIRPLANE STRUCTURE OR TO OTHER BLANKET ASSEMBLIES WITH HOOK/LOOP TAPE



TRIM-EDGE WITH A TAB

SEAL THE GAP IN THE COVER WITH TAPE AFTER YOU INSTALL THE BLANKET



BLANKET OPENINGS FOR SYSTEM (TUBING, ETC)

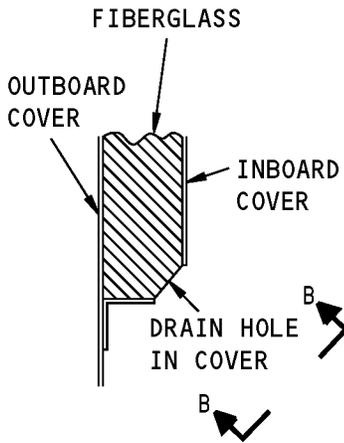
4 MAKE THE FASTENER TAB FROM THE INBOARD AND OUTBOARD COVER, PLUS ONE LAYER OF COVER FABRIC.

**Insulation Blanket Manufacturing
 Figure 802 (Sheet 4 of 8)/25-80-00-990-803**

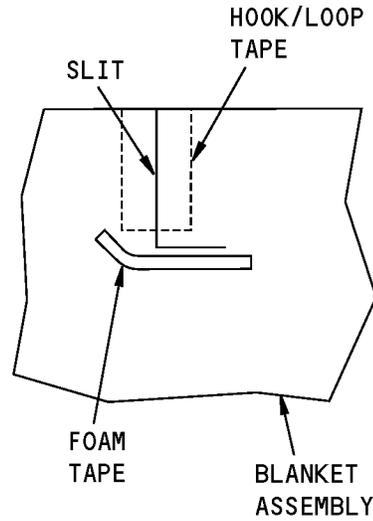
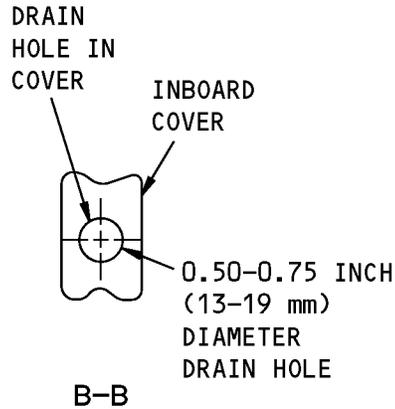
EFFECTIVITY
 HAP ALL

D633A101-HAP

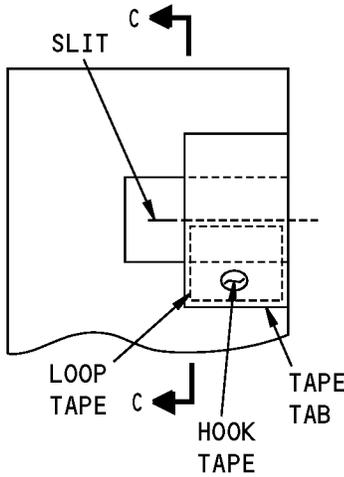
AIRCRAFT MAINTENANCE MANUAL



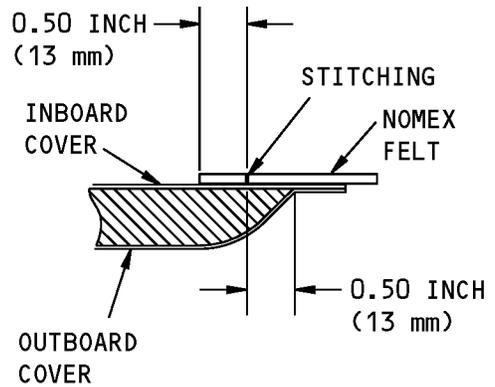
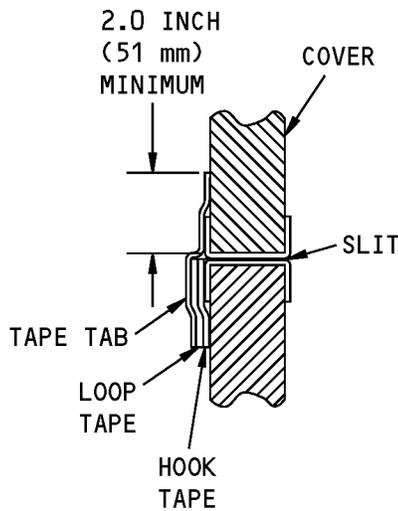
**BOX EDGE DRAIN
(EXAMPLE)**



**FOAM TAPE WATER DIVERTER
(FOAM TAPE LOCATED ON OUTBOARD
SIDE OF CAPSTRIP)
(EXAMPLE)**



**CLOSURE FOR SLITS
(EXAMPLE)**



**NOMEX ATTACHMENT
(EXAMPLE)**

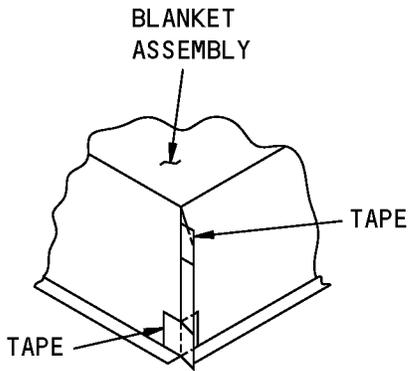
**Insulation Blanket Manufacturing
Figure 802 (Sheet 5 of 8)/25-80-00-990-803**

EFFECTIVITY
HAP ALL

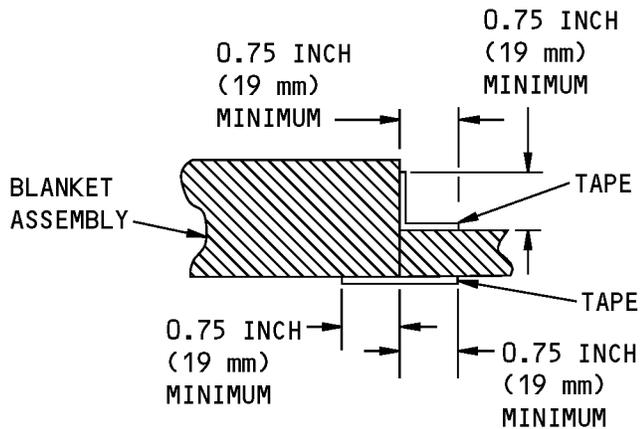
D633A101-HAP

25-80-00

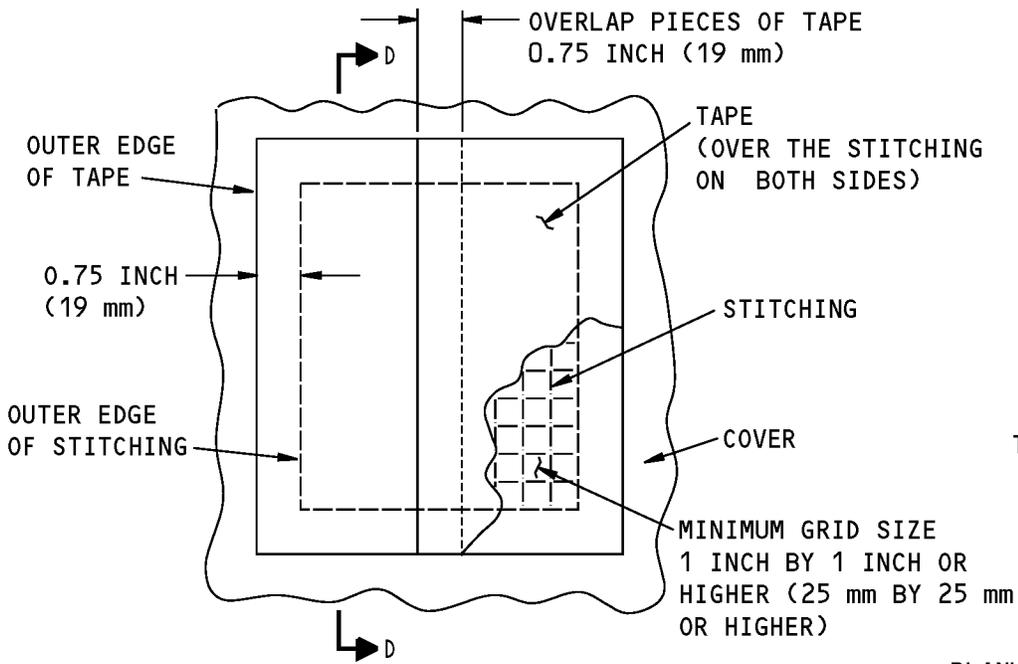
**737-600/700/800/900
AIRCRAFT MAINTENANCE MANUAL**



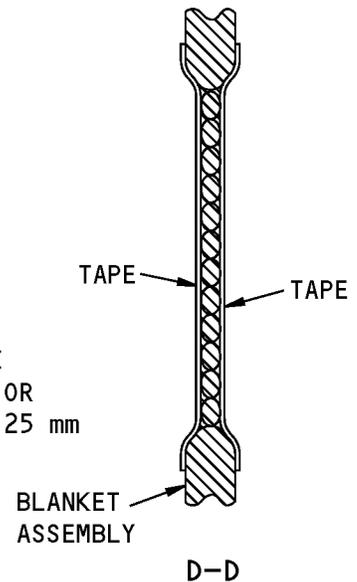
**REINFORCED CORNER
OF BOXED BLANKET
(EXAMPLE)**



**BLANKET ATTACHMENT
(EXAMPLE)**



**QUILTING
(EXAMPLE)**



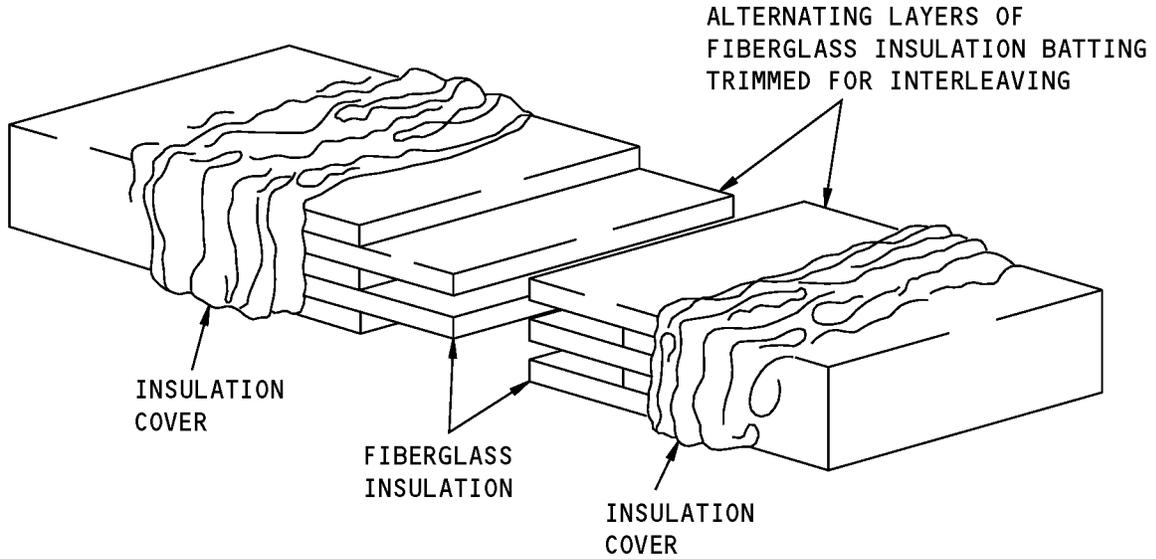
**Insulation Blanket Manufacturing
Figure 802 (Sheet 6 of 8)/25-80-00-990-803**

EFFECTIVITY
HAP ALL

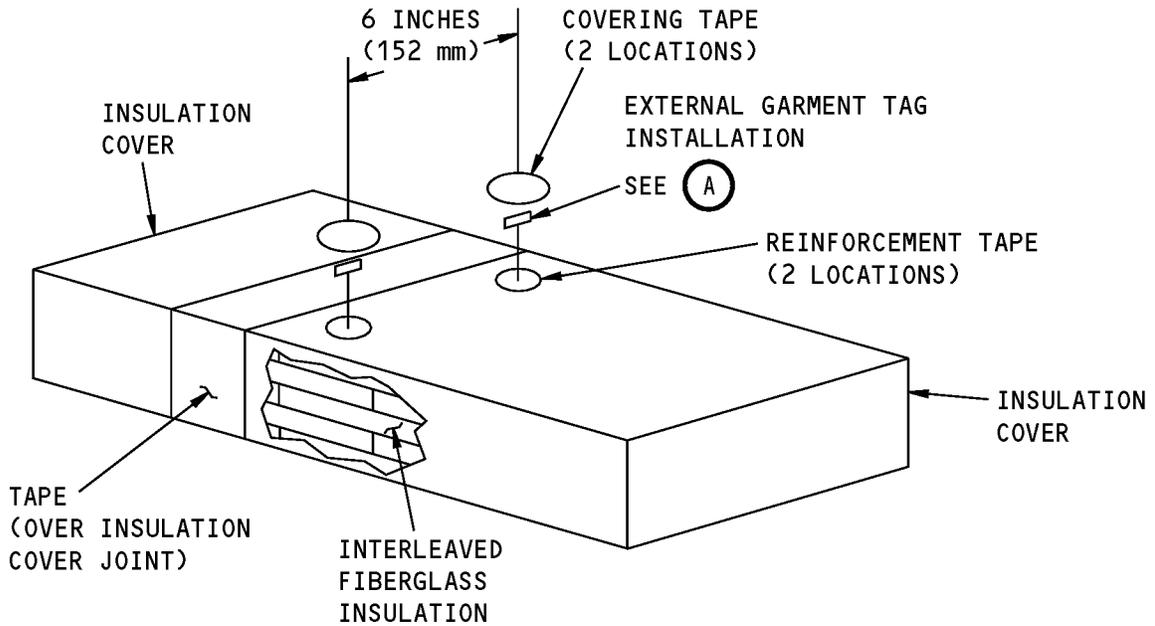
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25-80-00

AIRCRAFT MAINTENANCE MANUAL



PROCEDURE TO INTERLEAVE FIBERGLASS INSULATION BATTING



ATTACHMENT OF INTERLEAVED PARTS

Insulation Blanket Manufacturing
Figure 802 (Sheet 7 of 8)/25-80-00-990-803

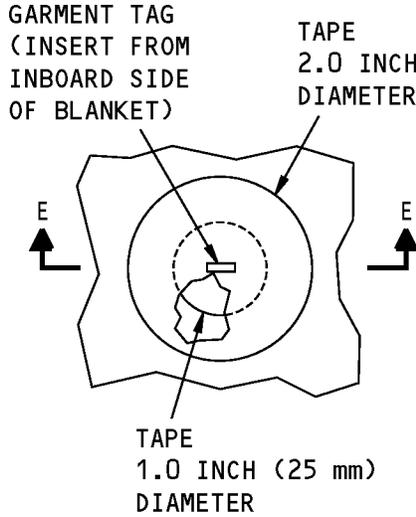
EFFECTIVITY
HAP ALL

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Jun 10/2006

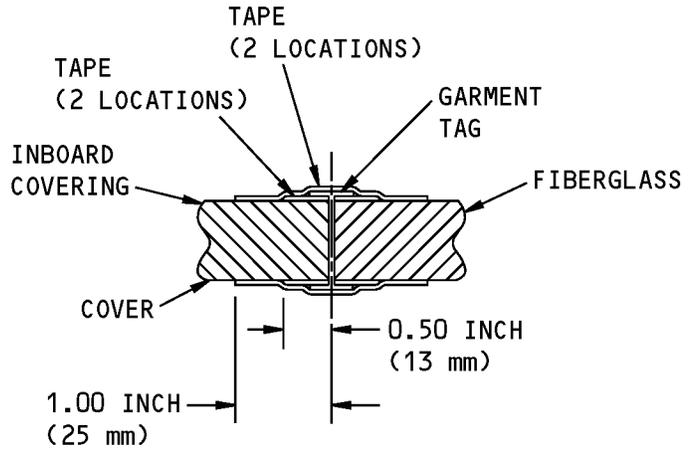
D633A101-HAP

AIRCRAFT MAINTENANCE MANUAL

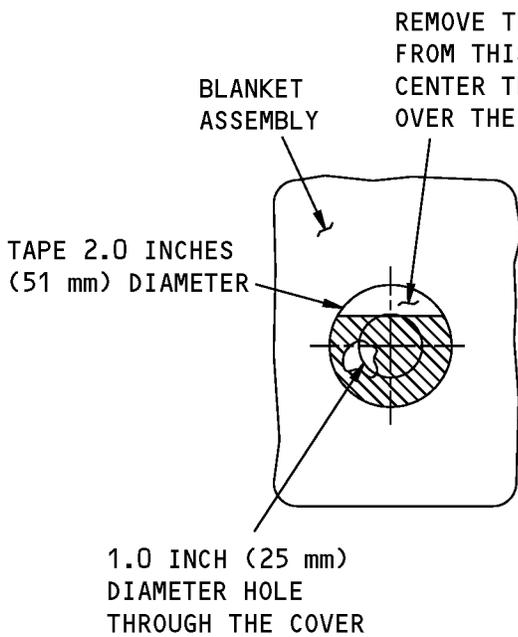


**EXTERNAL GARMENT
TAG INSTALLATION
(EXAMPLE)**

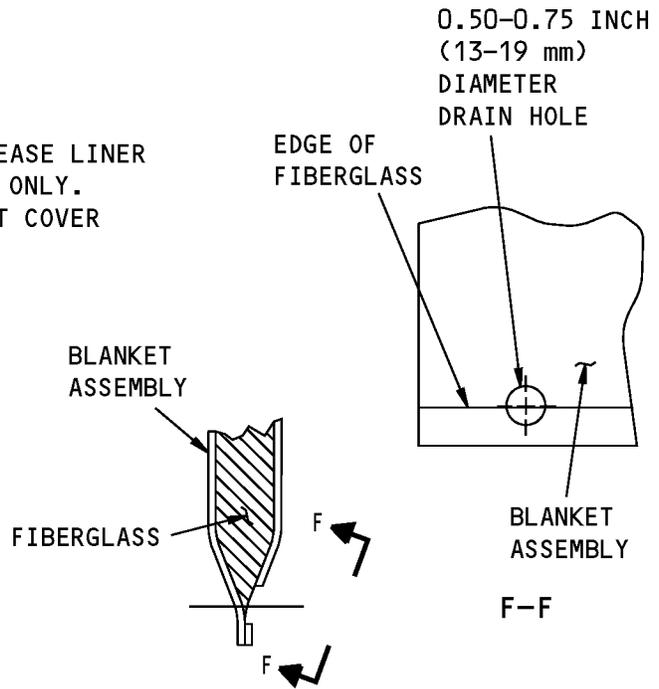
(A)



E-E



**VENT INSTALLATION
(EXAMPLE)**



**KNIFE EDGE DRAIN
(EXAMPLE)**

**Insulation Blanket Manufacturing
Figure 802 (Sheet 8 of 8)/25-80-00-990-803**

EFFECTIVITY
HAP ALL

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AIRCRAFT MAINTENANCE MANUAL

TASK 25-80-00-340-806

7. Repair of Cargo Door Insulation Blankets

A. General

- (1) This procedure has instructions to make repairs to cargo door insulation blankets.
- (2) The area to repair must be less than 25 percent of the total area of the inboard cover material.
- (3) Make sure the patch overlaps the joint by a minimum of 1.0 inch (25 mm) on all sides

B. References

Reference	Title
25-80-00-000-801	Insulation Blanket Removal (P/B 401)
25-80-00-400-801	Insulation Blanket Installation (P/B 401)

C. Consumable Materials

Reference	Description	Specification
G01498	Thread - Fiberglass - GFE-18 RLUB	BAC5437
G50591	Cloth - Silicone Coated Fiberglass (Bisco HT-101)	
G50592	Fabric - Polymer Coated, Flame Resistant, Flexible Cargo Liner	BMS8-343 Type III

D. Location Zones

Zone	Area
100	Lower Half of Fuselage

HAP 001-013, 015-026, 028-030 PRE SEP 2, 2005 FAR STD; AIRPLANES WITHOUT FAR 25.856(a) COMPLIANT THERMAL/ACOUSTIC INSULATION MATERIALS

E. Repairs To Biscote HT-101

SUBTASK 25-80-00-212-009

- (1) Visually check the amount of damage to the insulation blanket.
 - (a) If the amount of damage is more than 25 percent of the total area on either the front side or back side of the insulation blanket, replace the insulation blanket. Do these tasks:
 - 1) Insulation Blanket Removal, TASK 25-80-00-000-801
 - 2) Insulation Blanket Installation, TASK 25-80-00-400-801
 - (b) If the amount of damage is less than 25 percent of the total area on either the front side or back side of the insulation blanket, continue.

SUBTASK 25-80-00-160-017

WARNING: DO NOT USE DETERGENTS OR SOLVENTS TO CLEAN THE INSULATION BLANKET. IT CAN REMOVE FLAME RETARDANTS AND CAUSE FLAMMABLE RESIDUES ON THE INSULATION BLANKET WHICH INCREASES THE RISK OF FIRE. THIS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (2) If there is Corrosion-inhibiting Compounds (CIC) contamination, oily or waxy substances or other fluids (which typically changes the color and appearance of the insulation blanket cover), replace the insulation blanket.
- (3) If there is dust, lint or other loose debris on the insulation blanket, use a vacuum cleaner or a non-metallic soft brush to remove the contamination.

EFFECTIVITY	
HAP ALL	

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AIRCRAFT MAINTENANCE MANUAL

HAP 001-013, 015-026, 028-030 PRE SEP 2, 2005 FAR STD; AIRPLANES WITHOUT FAR 25.856(a) COMPLIANT THERMAL/ACOUSTIC INSULATION MATERIALS (Continued)

SUBTASK 25-80-00-160-018

- (4) Make sure the repair area is clean and dry.

SUBTASK 25-80-00-340-063

- (5) Make a patch using Bisco HT-101 cloth, G50591.
 - (a) Make sure the patch overlaps the joint by a minimum of 1.0 inch (25 mm) on all sides.
 - (b) Make sure the corners on the cover patch are rounded.

SUBTASK 25-80-00-340-062

- (6) Sew the patch in place using GFE-18 RLUB thread, G01498.

HAP 031-054, 101-999; HAP 001-013, 015-026, 028-030 POST SEP 2, 2005 FAR STD; AIRPLANES WITH FAR 25.856(a) COMPLIANT THERMAL/ACOUSTIC INSULATION MATERIALS

F. Repairs To BMS8-343 Type III

SUBTASK 25-80-00-212-010

- (1) Visually check the amount of damage to the insulation blanket.
 - (a) If the amount of damage is more than 25 percent of the total area on either the front side or back side of the insulation blanket, replace the insulation blanket. Do these tasks:
 - 1) Insulation Blanket Removal, TASK 25-80-00-000-801
 - 2) Insulation Blanket Installation, TASK 25-80-00-400-801
 - (b) If the amount of damage is less than 25 percent of the total area on either the front side or back side of the insulation blanket, continue.

SUBTASK 25-80-00-160-019

WARNING: DO NOT USE DETERGENTS OR SOLVENTS TO CLEAN THE INSULATION BLANKET. IT CAN REMOVE FLAME RETARDANTS AND CAUSE FLAMMABLE RESIDUES ON THE INSULATION BLANKET WHICH INCREASES THE RISK OF FIRE. THIS CAN CAUSE INJURIES TO PERSONNEL, AND DAMAGE TO EQUIPMENT.

- (2) If there is Corrosion-inhibiting Compounds (CIC) contamination, oily or waxy substances or other fluids (which typically changes the color and appearance of the insulation blanket cover), replace the insulation blanket.
- (3) If there is dust, lint or other loose debris on the insulation blanket, use a vacuum cleaner or a non-metallic soft brush to remove the contamination.

SUBTASK 25-80-00-160-020

- (4) Make sure the repair area is clean and dry.

SUBTASK 25-80-00-340-064

- (5) Make a patch using cargo liner, G50592.
 - (a) Make sure the patch overlaps the joint by a minimum of 1.0 inch (25 mm) on all sides.
 - (b) Make sure the corners on the cover patch are rounded.
- (6) Sew the patch in place using GFE-18 RLUB thread, G01498 or attach with steel screws or nuts and bolts.

————— END OF TASK —————

EFFECTIVITY
HAP ALL

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