



Fault Isolation Manual

Hapag-Lloyd Flug GmbH

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737-600/700/800/900
FAULT ISOLATION MANUAL

This manual is applicable to the aircraft in this list:

Model-Series	Operator		Manufacturer			Registration Number
	Identification Code	Effectivity Code	Block Number	Serial Number	Line Number	
737-8K5	HAP	001	YC003	27977	9	D-AHFC
737-8K5	HAP	002	YC004	27978	40	D-AHFD
737-8K5	HAP	003	YC005	27979	44	D-AHFE
737-8K5	HAP	004	YC006	27980	45	D-AHFF
737-8K5	HAP	005	YC007	27989	59	D-AHFG
737-8K5	HAP	006	YC001	27981	7	D-AHFA
737-8K5	HAP	007	YC002	27982	8	D-AHFB
737-8K5	HAP	008	YC008	27983	218	D-AHFH
737-8K5	HAP	009	YC009	27984	220	D-AHFI
737-8K5	HAP	010	YC010	27990	246	CN-RPE
737-8K5	HAP	011	YC011	27991	248	HA-LKC
737-8K5	HAP	012	YC012	27985	470	HA-LKD
737-8K5	HAP	013	YC013	27986	474	D-AHFM
737-8K5	HAP	015	YC015	27987	499	D-AHFO
737-8K5	HAP	016	YC016	27988	508	D-AHFP
737-8K5	HAP	017	YC017	27992	523	D-AHFQ
737-8K5	HAP	018	YC019	28623	556	D-AHFS
737-8K5	HAP	019	YC018	30593	528	D-AHFR
737-8K5	HAP	020	YC020	30413	636	D-AHFT
737-8K5	HAP	021	YC021	30414	703	D-AHFU
737-8K5	HAP	022	YC022	30415	719	D-AHFV
737-8K5	HAP	023	YC023	30882	760	D-AHFW
737-8K5	HAP	024	YC024	30416	778	D-AHFX
737-8K5	HAP	025	YC025	30417	781	D-AHFY
737-8K5	HAP	026	YC026	30883	783	D-AHFZ
737-8K5	HAP	028	YC028	32905	1046	D-AHLP
737-8K5	HAP	029	YC029	32906	1087	D-AHLQ
737-8K5	HAP	030	YC030	32907	1117	D-AHLR
737-8K5	HAP	031	YK901	34684	1870	D-ATUC
737-8K5	HAP	032	YK902	34685	1901	D-ATUD
737-8K5	HAP	033	YK903	34686	1903	D-ATUE
737-8K5	HAP	034	YK904	34687	1907	D-ATUF

EFFECTIVE AIRCRAFT

737-600/700/800/900
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Model-Series	Operator		Manufacturer			Registration Number
	Identification Code	Effectivity Code	Block Number	Serial Number	Line Number	
737-8K5	HAP	035	YK905	34688	1909	D-ATUG
737-8K5	HAP	036	YK906	34689	1935	D-ATUH
737-8K5	HAP	037	YK907	34690	2184	G-FDZJ
737-8K5	HAP	038	YL421	35134	2152	G-FDZA
737-8K5	HAP	039	YK908	34691	2246	G-FDZO
737-8K5	HAP	040	YK909	34692	2249	G-FDZP
737-8K5	HAP	041	YK910	35133	2313	OO-JAF
737-8K5	HAP	042	YL422	35131	2242	G-FDZB
737-8K5	HAP	043	YL423	35132	2276	G-FDZD
737-8K5	HAP	044	YL424	35137	2482	G-FDZE
737-8K5	HAP	045	YL425	35138	2499	G-FDZF
737-8K5	HAP	046	YL426	35139	2538	G-FDZG
737-8K5	HAP	047	YK911	35142	2660	OO-JBG
737-8K5	HAP	048	YL401	35143	2763	D-AHLK
737-8K5	HAP	049	YK912	35148	2790	OO-JAQ
737-8K5	HAP	050	YK919	35149	2820	PH-TFB
737-8K5	HAP	051	YL427	35145	2849	G-FDZR
737-8K5	HAP	052	YL428	35147	2866	G-FDZS
737-8K5	HAP	053	YL429	35146	2875	PH-TFC
737-8K5	HAP	054	YK918	35100	2424	PH-TFA
737-7K5	HAP	101	YM643	34693	2260	D-AHXC
737-7K5	HAP	102	YM645	35135	2451	D-AHXE
737-7K5	HAP	103	YM646	35136	2465	D-AHXF
737-7K5	HAP	104	YM647	35140	2575	D-AHXG
737-7K5	HAP	105	YM649	35141	2603	D-AHXI
737-7K5	HAP	106	YM651	35144	2652	D-AHXX
737-7K5	HAP	107	YM652	35150	2825	OO-JAR

EFFECTIVE AIRCRAFT

737-600/700/800/900
FAULT ISOLATION MANUAL

Hapag-Lloyd Flug GmbH
HAP
Revision No. 39
Jun 15/2009

To: All holders of this Boeing Document D633A103-HAP

Attached is the current revision to the Boeing 737-600/700/800/900 Fault Isolation Manual.

The Fault Isolation Manual (FIM) is furnished either as a printed manual, on microfilm, or digital products, or any combination of the three. This revision replaces all previous microfilm cartridges or digital products. All microfilm and digital products are reissued with all obsolete data deleted and all updated pages added.

For printed manuals, changes are indicated on the List of Effective Pages (LEP). The pages which are revised will be identified on the LEP by an R (Revised), A (Added), O (Overflow, i.e. changes to the document structure and/or page layout), or D (Deleted). The pages that contain customer originated data will be identified on the LEP by a C (COC). Each page in the LEP is identified by Chapter-Section-Subject number, page number and page date.

Pages replaced or made obsolete by this revision should be removed and destroyed.

ATTENTION

IF YOU RECEIVE PRINTED REVISIONS, PLEASE VERIFY THAT YOU HAVE RECEIVED AND FILED THE PREVIOUS REVISION. BOEING MUST BE NOTIFIED WITHIN 30 DAYS IF YOU HAVE NOT RECEIVED THE PREVIOUS REVISION. REQUESTS FOR REVISIONS OTHER THAN THE PREVIOUS REVISION WILL REQUIRE A COMPLETE MANUAL REPRINT SUBJECT TO REPRINT CHARGES SHOWN IN THE DATA AND SERVICES CATALOG.

TRANSMITTAL LETTER

737-600/700/800/900
FAULT ISOLATION MANUAL

TEMPORARY REVISIONS

Remove any Temporary Revisions that have a date earlier than the date of this revision.

Do not remove any Temporary Revisions (TRs) that have a date later than the date of this revision. TRs with a later date will be incorporated into the next revision of the manual (unless they are superseded by a subsequent TR).

A TR status report is sent with each TR. The TR status report has a list of all TRs that were sent for this manual during the last two revision cycles. At the top of the list is the date and time that the list was created.

When you have more than one TR, the TR status report with the latest date and time gives you the most current information.

TRANSMITTAL LETTER



FAULT ISOLATION MANUAL

Location of Change

FRONTMATTER

CHAPTER 21

21-00 TASKS

TASK 807

Description of Change

Changed the list of Service Bulletins.

Changed reference from "33-10 TASK 801" to "34-23 TASK 802"

Added FIM procedures to determine why the airplane cannot maintain cabin pressurization within specified limits.

Changed reference from "Reference Not Currently Available" to "Figure 303"

Changed reference from "Reference Not Currently Available" to "Figure 304"

Changed reference from "Reference Not Currently Available" to "Figure 305"

Changed reference from "Reference Not Currently Available" to "Figure 306"

Changed reference from "Reference Not Currently Available" to "Figure 307"

Changed reference from "Reference Not Currently Available" to "Figure 308"

Changed reference from "Reference Not Currently Available" to "Figure 309"

21-31 TASKS

TASK 801

Changed the DCPC BITE procedure to incorporate improvements directed by the 737NG DCPCS team.

21-33 TASKS

TASK 803

Added 21-33-00-810-803, Cabin Altitude and Differential Pressure Indicator Indicates High Cabin Pressure Differential and Low Cabin Altitude - Fault Isolation.

21-53 TASKS

TASK 811

Removed the torque check of the air cycle machine as vendor advisement indicates a torque check is not definitive in determining the serviceability of the ACM.

Changed reference from "Air Cycle Machine Installation, AMM TASK 21-51-04-400-802-002" to "Supply Conditioned Air with a Cooling Pack, AMM TASK 21-00-00-800-803"

TASK 812

Removed the torque check of the air cycle machine as vendor advisement indicates a torque check is not definitive in determining the serviceability of the ACM.

Changed reference from "Air Cycle Machine Installation, AMM TASK 21-51-04-400-802-002" to "Supply Conditioned Air with a Cooling Pack, AMM TASK 21-00-00-800-803"

CHAPTER 22

22-23 TASKS

TASK 808

Added SMYD X-Channel BUS Problem.

HIGHLIGHTS



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FAULT ISOLATION MANUAL

Location of Change

CHAPTER 23

23-11 TASKS

TASK 801

TASK 802

TASK 803

TASK 804

TASK 806

23-12 TASKS

TASK 815

Description of Change

Changed the format of the steps.

Changed effectivity from "HAP 038, 041-047, 049-054, 102-999; HAP 037, 039, 040 POST SB 737-23-1299" to "HAP 038, 041-054, 102-999; HAP 037, 039, 040 POST SB 737-23-1299"

Changed effectivity from "HAP 038, 041-047, 049-054; HAP 037, 039, 040 POST SB 737-23-1299" to "HAP 038, 041-054; HAP 037, 039, 040 POST SB 737-23-1299"

Changed effectivity from "HAP 038, 041-047, 049-054" to "HAP 038, 041-047, 049-054; HAP 037, 039, 040 POST SB 737-23-1299"

Changed effectivity from "HAP 038, 041-047, 049-054, 102-999; HAP 037, 039, 040 POST SB 737-23-1299" to "HAP 038, 041-054, 102-999; HAP 037, 039, 040 POST SB 737-23-1299"

Changed effectivity from "HAP 038, 041-047, 049-054; HAP 037, 039, 040 POST SB 737-23-1299" to "HAP 038, 041-054; HAP 037, 039, 040 POST SB 737-23-1299"

Changed effectivity from "HAP 038, 041-047, 049-054, 102-999; HAP 037, 039, 040 POST SB 737-23-1299" to "HAP 038, 041-054, 102-999; HAP 037, 039, 040 POST SB 737-23-1299"

Changed effectivity from "HAP 038, 041-047, 049-054" to "HAP 038, 041-054; HAP 037, 039, 040 POST SB 737-23-1299"

Added circuit breaker "C00857, COMMUNICATIONS HF 2, D2, F/O Electrical System Panel"

Changed the procedure to show the current configuration.

Changed effectivity from "HAP 038, 041-047, 049-054; HAP 037, 039, 040 POST SB 737-23-1299" to "HAP 038, 041-054; HAP 037, 039, 040 POST SB 737-23-1299"

Changed effectivity from "HAP 038, 041-047, 049-054, 102-999; HAP 037, 039, 040 POST SB 737-23-1299" to "HAP 038, 041-054, 102-999; HAP 037, 039, 040 POST SB 737-23-1299"

Changed effectivity from "HAP 038, 041-047, 049-054" to "HAP 038, 041-054; HAP 037, 039, 040 POST SB 737-23-1299"

Added circuit breaker "C00857, COMMUNICATIONS HF 2, D2, F/O Electrical System Panel"

Changed effectivity from "HAP 038, 041-047, 049-054" to "HAP 038, 041-054; HAP 037, 039, 040 POST SB 737-23-1299"

Changed effectivity from "HAP 038, 041-047, 049-054, 102-999; HAP 037, 039, 040 POST SB 737-23-1299" to "HAP 038, 041-054, 102-999; HAP 037, 039, 040 POST SB 737-23-1299"

Changed effectivity from "HAP 038, 041-047, 049-054" to "HAP 038, 041-054; HAP 037, 039, 040 POST SB 737-23-1299"

HIGHLIGHTS

FAULT ISOLATION MANUAL

Location of Change

23-24 TASKS (Cont)

23-24 TASKS

TASK 801

23-51 TASKS

TASK 801

CHAPTER 27

27-11 TASKS

TASK 812

27-21 TASKS

TASK 817

27-31 TASKS

TASK 803

27-51 TASKS

TASK 832

TASK 836

TASK 845

27-59 TASKS

TASK 801

TASK 802

TASK 807

Description of Change

Added circuit breaker "C00857, COMMUNICATIONS HF 2, D2, F/O Electrical System Panel"

Changed effectivity from "HAP ALL" to "HAP 001-013, 015-026, 028-030"

Changed effectivity from "HAP 023-026, 028-052, 054, 101-999" to "HAP 023-026, 028-054, 101-999"

Changed the title of the task.

Changed the format of the steps.

Changed the effectivities for the tasks.

Changed reference from "Outboard Flap Inboard Transmission Installation, AMM TASK 27-51-41-400-802" to "Outboard Flap Inboard Transmission Installation, AMM TASK 27-51-41-400-802"

Changed reference from "Outboard Flap Outboard Transmission Installation, AMM TASK 27-51-41-400-801" to "Outboard Flap Outboard Transmission Installation, AMM TASK 27-51-41-400-801"

Changed reference from "Outboard Flap Inboard Transmission Installation, AMM TASK 27-51-41-400-802" to "Outboard Flap Inboard Transmission Installation, AMM TASK 27-51-41-400-802"

Changed reference from "Outboard Flap Outboard Transmission Installation, AMM TASK 27-51-41-400-801" to "Outboard Flap Outboard Transmission Installation, AMM TASK 27-51-41-400-801"

Changed reference from "Outboard Flap Inboard Transmission Installation, AMM TASK 27-51-41-400-802" to "Outboard Flap Inboard Transmission Installation, AMM TASK 27-51-41-400-802"

Changed reference from "Outboard Flap Outboard Transmission Installation, AMM TASK 27-51-41-400-801" to "Outboard Flap Outboard Transmission Installation, AMM TASK 27-51-41-400-801"

Changed reference from "Outboard Flap Outboard Transmission Installation, AMM TASK 27-51-41-400-801" to "Outboard Flap Outboard Transmission Installation, AMM TASK 27-51-41-400-801"

Changed reference from "Outboard Flap Inboard Transmission Installation, AMM TASK 27-51-41-400-802" to "Outboard Flap Inboard Transmission Installation, AMM TASK 27-51-41-400-802"

Changed reference from "Outboard Flap Inboard Transmission Installation, AMM TASK 27-51-41-400-802" to "Outboard Flap Inboard Transmission Installation, AMM TASK 27-51-41-400-802"

HIGHLIGHTS



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Location of Change

Description of Change

TASK 808	Changed reference from "Outboard Flap Outboard Transmission Installation, AMM TASK 27-51-41-400-801" to "Outboard Flap Outboard Transmission Installation, AMM TASK 27-51-41-400-801"
TASK 809	Changed reference from "Outboard Flap Outboard Transmission Installation, AMM TASK 27-51-41-400-801" to "Outboard Flap Outboard Transmission Installation, AMM TASK 27-51-41-400-801" Changed reference from "Outboard Flap Inboard Transmission Installation, AMM TASK 27-51-41-400-802" to "Outboard Flap Inboard Transmission Installation, AMM TASK 27-51-41-400-802"
27-62 TASKS	
TASK 804	Added the step to set the speed brake lever to the ARM position. Added a step to the task.
27-88 TASKS	
TASK 804	Changed the reference. Changed reference from "Table 201" to "Table 202"
CHAPTER 28	
28-21 TASKS	
TASK 805	Added troubleshooting steps for the center tank refueling indicator.
CHAPTER 30	
30-41 TASKS	
TASK 810	Removed 30-41-00-810-810, Upper Window Does Not Heat Properly - Fault Isolation.
CHAPTER 31	
31-51 TASKS	
TASK 815	Changed effectivity from "HAP 001-013, 015-026 PRE SB 737-32A1343 OR (POST SB 737-32A1343 AND PRE SBC 285A1600-32-04); HAP 028-036 PRE SBC 285A1600-32-04" to "HAP 001-013, 015-026, 028-036 PRE SBC 285A1600-32-04"
31-62 TASKS	
TASK 875	Added a step to include partial shorting of the heating element as a possible causes for blockage and leakage.
TASK 876	Added a step to include partial shorting of the heating element as a possible causes for blockage and leakage.
CHAPTER 32	
32-09 TASKS	
TASK 818	Changed the procedure to show the current configuration.
32-42 TASKS	
TASK 801	Changed the Antiskid Inop and Autobrake Disarm light illumination time and inspection of connector.

HIGHLIGHTS

FAULT ISOLATION MANUAL

Location of Change

TASK 807

32-61 TASKS

TASK 815

CHAPTER 33

33-10 TASKS

TASK 801

CHAPTER 34

34-21 TASKS

TASK 823

34-32 TASKS

TASK 802

34-46 TASKS

TASK 801

TASK 802

TASK 803

TASK 804

TASK 805

TASK 806

TASK 807

TASK 808

TASK 809

TASK 810

TASK 811

TASK 812

Description of Change

Changed the Antiskid Inop and Autobrake Disarm light illumination time and inspection of connector.

Changed data to clarify flap landing warning switch fault isolation.

Added data for standby magnetic compass light not illuminate.

Changed the status code for maintenance message 34-21035.

Changed the Ref Audio Tone Fault Isolation data.

Changed reference from "Marker Beacon Antenna Failed - Fault Isolation, 34-51 TASK 808" to "Audio Tone Problem - Fault Isolation, 34-51 TASK 809"

Changed effectivity from "HAP 008-013, 015-026, 028-054, 101-999" to "HAP ALL"

Changed effectivity from "HAP 008-013, 015-026, 028-054, 101-999; AIRPLANES WITH ENHANCED GROUND PROXIMITY WARNING SYSTEM" to "HAP ALL; AIRPLANES WITH ENHANCED GROUND PROXIMITY WARNING SYSTEM"

Removed 34-46-00-810-802, ADIRU Data to GPWS Problem - Fault Isolation.

Removed 34-46-00-810-803, ADIRU IRS Data to GPWS Problem - Fault Isolation.

Removed 34-46-00-810-804, DEU #1 Data to GPWS Problem - Fault Isolation.

Removed 34-46-00-810-805, DEU #2 Data to GPWS Problem - Fault Isolation.

Removed 34-46-00-810-806, SMYD 1 Data to GPWS Problem - Fault Isolation.

Removed 34-46-00-810-807, SMYD 2 Data to GPWS Problem - Fault Isolation.

Removed 34-46-00-810-808, FMC Data to GPWS Problem - Fault Isolation.

Removed 34-46-00-810-809, ILS #1 Data to GPWS Problem - Fault Isolation.

Removed 34-46-00-810-810, ILS #2 Data to GPWS Problem - Fault Isolation.

Removed 34-46-00-810-811, Radio Altimeter #1 Data to GPWS Problem - Fault Isolation.

Removed 34-46-00-810-812, Radio Altimeter #2 Data to GPWS Problem - Fault Isolation.

HIGHLIGHTS



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<u>Location of Change</u>	<u>Description of Change</u>
TASK 813	Removed 34-46-00-810-813, MCP Data to GPWS Problem - Fault Isolation.
TASK 816	Removed 34-46-00-810-816, ADIRU IRS or AIR DATA ARINC 429 Bus Word Failure - Fault Isolation.
TASK 817	Removed 34-46-00-810-817, FMC ARINC 429 Bus Word Failure - Fault Isolation.
TASK 818	Removed 34-46-00-810-818, ILS ARINC 429 Bus Word Failure - Fault Isolation.
TASK 819	Removed 34-46-00-810-819, SMYD ARINC 429 Bus Word Failure - Fault Isolation.
TASK 820	Removed 34-46-00-810-820, Flap Position Signal to GPWS Problem - Fault Isolation.
TASK 822	Changed effectivity from "HAP 008-013, 015-026, 028-054, 101-999; AIRPLANES WITH ENHANCED GROUND PROXIMITY WARNING SYSTEM" to "HAP ALL; AIRPLANES WITH ENHANCED GROUND PROXIMITY WARNING SYSTEM"
TASK 825	Removed 34-46-00-810-825, DEU ARINC 429 Bus Word Problem - Fault Isolation.
TASK 828	Changed effectivity from "HAP 008-013, 015-026, 028-054, 101-999; AIRPLANES WITH ENHANCED GROUND PROXIMITY WARNING SYSTEM" to "HAP ALL; AIRPLANES WITH ENHANCED GROUND PROXIMITY WARNING SYSTEM" Changed effectivity from "HAP 008-013, 015-026, 028-036; AIRPLANES WITH A SINGLE FMC" to "HAP 001-013, 015-026, 028-036; AIRPLANES WITH A SINGLE FMC"
TASK 831	Removed 34-46-00-810-831, Radio Altimeter ARINC 429 Bus Word Failure - Fault Isolation.
TASK 835	Removed 34-46-00-810-835, Landing Gear Inhibit Signal to GPWS Problem - Fault Isolation.
TASK 837	Changed effectivity from "HAP 008-013, 015-026, 028-054, 101-999; AIRPLANES WITH THE GEAR INHIBIT SWITCH ON THE EGPWS MODULE" to "HAP ALL; AIRPLANES WITH THE GEAR INHIBIT SWITCH ON THE EGPWS MODULE"
TASK 838	Changed effectivity from "HAP 008-013, 015-026, 028-054, 101-999; AIRPLANES WITH ENHANCED GROUND PROXIMITY WARNING SYSTEM" to "HAP ALL; AIRPLANES WITH ENHANCED GROUND PROXIMITY WARNING SYSTEM"
TASK 840	Changed effectivity from "HAP 008-013, 015-026, 028-054, 101-999; AIRPLANES WITH ENHANCED GROUND PROXIMITY WARNING SYSTEM" to "HAP ALL; AIRPLANES WITH ENHANCED GROUND PROXIMITY WARNING SYSTEM"
TASK 841	Changed effectivity from "HAP 008-013, 015-026, 028-054, 101-999; AIRPLANES WITH ENHANCED GROUND PROXIMITY WARNING SYSTEM" to "HAP ALL; AIRPLANES WITH ENHANCED GROUND PROXIMITY WARNING SYSTEM"

HIGHLIGHTS

FAULT ISOLATION MANUAL

Location of Change

TASK 841 (Cont)

TASK 849

TASK 858

34-61 TASKS

TASK 835

CHAPTER 36

36-10 TASKS

TASK 801

TASK 803

TASK 804

TASK 805

TASK 807

TASK 808

CHAPTER 47

47-31 TASKS

TASK 836

CHAPTER 49

49-40 TASKS

TASK 823

49-54 TASKS

TASK 808

49-60 TASKS

TASK 802

Description of Change

Changed effectivity from "HAP 008-013, 015-026, 028-036; AIRPLANES WITH A SINGLE FMC" to "HAP 001-013, 015-026, 028-036; AIRPLANES WITH A SINGLE FMC"

Removed 34-46-00-810-849, Glideslope Cancel Discrete Input Problem - Fault Isolation.

Changed effectivity from "HAP 008-013, 015-026, 028-036; AIRPLANES WITH A SINGLE FMC" to "HAP 001-013, 015-026, 028-036; AIRPLANES WITH A SINGLE FMC"

Changed effectivity from "HAP 008-013, 015-026, 028-054, 101-999; AIRPLANES WITH ENHANCED GROUND PROXIMITY WARNING SYSTEM" to "HAP ALL; AIRPLANES WITH ENHANCED GROUND PROXIMITY WARNING SYSTEM"

Changed effectivity from "HAP 037-047, 054, 101-999" to "HAP 037-054, 101-999"

Removed the reference to the AN806-4D plug which is not necessary to perform the procedure.

Added instructions to include the fittings when checking the sense lines for leak.

Added instructions to include the fittings when checking the sense lines for leak.

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Added instructions to include the fittings when checking the sense lines for leak.

Added instructions to include the fittings when checking the sense lines for leak.

Added data for functional test of NGS.

Changed circuit breaker from "C00803, AUXILIARY POWER BREAKER, Power Distribution Panel Number 1" to "C00803, AUXILIARY POWER BREAKER, _____, Power Distribution Panel Number 1"

Changed the sequence of the troubleshooting steps to clean the sense lines first.

Added wiring check for resistance to ground.

HIGHLIGHTS



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Location of Change

CHAPTER 52

52-10 TASKS

TASK 801

Description of Change

Changed the data for the PSEU entry and galley service door problem fault isolation procedures.

Changed reference from "Proximity Switch Electronics Unit (PSEU) Removal, AMM TASK 32-09-10-000-801" to "Entry and Galley Service Door Sensor Removal (S194, S195, S199, or S200), AMM TASK 52-71-11-000-801"

Changed reference from "Proximity Switch Electronics Unit (PSEU) Installation, AMM TASK 32-09-10-400-801" to "Entry and Galley Service Door Indication Sensor Installation (S194, S195, S199, or S200), AMM TASK 52-71-11-400-801"

52-20 TASKS

TASK 805

Changed reference from "Emergency Exit Door Indication Switch Installation, AMM TASK 52-71-22-020-803" to "Emergency Exit Door Indication Switch Installation, AMM TASK 52-71-22-420-801"

TASK 806

Changed reference from "Emergency Exit Door Indication Switch Installation, AMM TASK 52-71-22-020-803" to "Emergency Exit Door Indication Switch Installation, AMM TASK 52-71-22-420-801"

CHAPTER 56

56-11 TASKS

TASK 803

Removed 56-11-00-810-803, Flight Compartment Window Damaged - Fault Isolation.

TASK 804

Removed 56-11-00-810-804, Flight Compartment Window Damaged - Fault Isolation.

CHAPTER 73

F73-06 TASKS

TASK 805

Changed the reference for the engine start lever switch module.

Changed reference from "Start Lever Removal, AMM TASK 76-11-02-010-801-F00" to "Engine Start Brake Assembly Removal, AMM TASK 76-11-10-010-801-F00"

Changed reference from "Start levers Installation, AMM TASK 76-11-02-420-801-F00" to "Engine Start Brake Installation, AMM TASK 76-11-10-420-801-F00"

SECTION 73-11

Added Section 73-11, 73-11 TASKS.

F73-22 TASKS

TASK 803

Changed effectivity from "HAP 107-999; HAP 101, 104-106 PRE SB 737-71-1612" to "HAP 101, 104-106 PRE SB 737-71-1612"

Changed effectivity from "HAP 102, 103; HAP 101, 104-106 POST SB 737-71-1612" to "HAP 102, 103, 107-999; HAP 101, 104-106 POST SB 737-71-1612"

TASK 804

Changed effectivity from "HAP 107-999; HAP 101, 104-106 PRE SB 737-71-1612" to "HAP 101, 104-106 PRE SB 737-71-1612"

HIGHLIGHTS



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Location of Change

TASK 804 (Cont)

CHAPTER 75

F75-33 TASKS

TASK 805

Description of Change

Changed effectivity from "HAP 102, 103; HAP 101, 104-106 POST SB 737-71-1612" to "HAP 102, 103, 107-999; HAP 101, 104-106 POST SB 737-71-1612"

Removed extraneous text in the T25 signals disagree task 805.

HIGHLIGHTS

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R	22	Jun 15/2009	AUTOFLIGHT
R	23	Jun 15/2009	COMMUNICATIONS
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R	28	Jun 15/2009	FUEL
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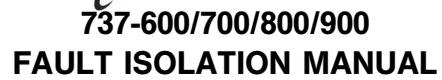
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All revisions to this manual will be accompanied by transmittal sheet bearing the revision number. Enter the revision number in numerical order, together with the revision date, the date filed and the initials of the person filing.

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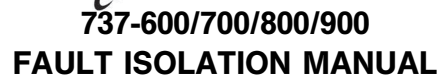
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SB 22-1154	FEB 10/2005	S	CHAPTER 22	AUTOFLIGHT - Autopilot - Option/ Program Pin Changes to Activate Flight Control Computer Improvements
SB 22-1154R1	FEB 10/2005	S	CHAPTER 22	AUTOFLIGHT - Autopilot - Option/ Program Pin Changes to Activate Flight Control Computer Improvements
SB 22-1192	FEB 15/2008	S	CHAPTER 22	AUTOFLIGHT - Autopilot - Enable Early Transition to Lateral Navigation (LNAV) From Go Around For Missed Approaches
SB 23-1139R1	OCT 10/2004	S	CHAPTER 23	COMMUNICATIONS - Passenger Address And Entertainment - Installation Of The Passenger Address Amplifier And In-Flight Entertainment Audio Circuit Breakers
SB 23-1263	JUN 10/2006	S	CHAPTER 23	COMMUNICATIONS - Flight Interphone System - Change of Control Wheel Push-To-Talk Switches
A SB 23-1303R2	JUN 15/2009	S	CHAPTER 23	COMMUNICATIONS - Flight Interphone System - Change Control Wheel Push-To-Talk Switches
SB 23A1170	OCT 10/2007	C	CHAPTER 23	COMMUNICATIONS - VHF Communication System - VHF-1 and VHF-2 Antennas Interchange
SB 23A1170R2	FEB 15/2008 FEB 15/2008	C	CHAPTER 23 CHAPTER 31	COMMUNICATIONS - VHF Communication System - VHF-1 and VHF-2 Antennas Interchange
SB 24-1128	OCT 10/2000	S	CHAPTER 24	ELECTRICAL POWER - AC GENERATION - POWER DISTRIBUTION PANEL RIGID BUS ASSEMBLY REPLACEMENT
SB 24-1157	JUN 10/2004	S	CHAPTER 24	ELECTRICAL POWER - Installation of Clamps Between the Wire Bundles and the Hydraulic Tubes in the Left Main Landing Gear Wheel Well
SB 24A1148	OCT 10/2004	S	CHAPTER 24	ELECTRICAL POWER - General - Corrosion Protection of the Electrical Connectors in the Main Wheel Well

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SB 24A1148R1	FEB 10/2004	S	CHAPTER 24	ELECTRICAL POWER - General - Corrosion Protection of the Electrical Connectors in the Main Wheel Well
SB 27-1248	JUN 10/2004	S	CHAPTER 27	FLIGHT CONTROLS - Elevator Pitot-Static System - Turn the Pitot Probe Down
SB 27-1253R1	FEB 10/2004	S	CHAPTER 27	FLIGHT CONTROLS - Rudder and Rudder Trim Control System - Installation of an Enhanced Rudder Control System (RSEP)
SB 27-1253R2	OCT 10/2005	S	CHAPTER 27	FLIGHT CONTROLS - Rudder and Rudder Trim Control System - Installation of an Enhanced Rudder Control System (RSEP)
SB 27-1253R3	JUN 15/2009	C	CHAPTER 27	FLIGHT CONTROLS - Rudder and Rudder Trim Control System - Installation of an Enhanced Rudder Control System (RSEP)
SB 28-1172	OCT 10/2002	S	CHAPTER 28	FUEL - Storage Integral Fuel Tanks - Alignment Of Center Tank Boost Pump Inlets and Fuel Pump Alignment Bracketry
SB 28-1172R1	OCT 10/2002	S	CHAPTER 28	FUEL - Storage Integral Fuel Tanks - Alignment Of Center Tank Boost Pump Inlets and Fuel Pump Alignment Bracketry
SB 28A1201	OCT 10/2007	S	CHAPTER 28	FUEL - Engine Fuel Feed System - Fuel Pump Control Ground Fault Interrupter (GFI) Relay Installation
SB 28A1206	JUN 10/2006	S	CHAPTER 28	FUEL - Distribution - Center Fuel Tank Boost Pump Auto Shutoff and Master Caution Logic Change
SB 28A1206R1	JUN 10/2006	S	CHAPTER 28	FUEL - Distribution - Center Fuel Tank Boost Pump Auto Shutoff and Master Caution Logic Change
SB 28A1248	JUN 10/2007	S	CHAPTER 28	FUEL - Engine Fuel Feed System - Center Fuel Tank, Fuel Pumps - Power Failed ON Protection System (Un-commanded Pump ON) - Relays Installation
SB 28A1248R1	JUN 15/2008	S	CHAPTER 28	FUEL - Engine Fuel Feed System - Center Fuel Tank, Fuel Pumps - Power Failed ON Protection System (Un-commanded Pump ON) - Relays Installation

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SB 30-1047	OCT 10/2000	C	CHAPTER 30	ICE AND RAIN PROTECTION - WINDOWS WINDSHIELDS AND DOORS - NO.4 AND NO.5 WINDOW HEAT WIRING AND INDICATION CHANGE
SB 31-1287	JUN 10/2006	C	CHAPTER 34	INDICATING / RECORDING SYSTEMS - Central Display Systems - Common Display System - Features Revision
SB 31-1362	JUN 15/2008	S	CHAPTER 31	INDICATING/RECORDING SYSTEMS - Recorders - Wiring Revision for Teledyne Wireless Quick Access Recorder
SB 32-1312R3	FEB 10/2001	S	CHAPTER 29	LANDING GEAR - Main Landing Gear Shimmy Damper Addition
SB 32-1317	FEB 10/2001	S	CHAPTER 32	LANDING GEAR - Position and Warning - Main Landing Gear Downlock Proximity Sensor, Ground
SB 32-1317R1	JUN 10/2001	S	CHAPTER 32	LANDING GEAR - Position and Warning - Main Landing Gear Downlock Proximity Sensor, Ground
SB 32-1332R2	FEB 10/2005	S	CHAPTER 32	LANDING GEAR - Nose Gear Extension & Retraction - Relocation of the Nose Gear Extend Fuse
SB 34-1490	OCT 10/2000	C	CHAPTER 34	NAVIGATION - LANDING AND TAXIING AIDS - REPLACEMENT OF THE ILS/GPS MULTI-MODE
SB 34-1616	JUN 10/2001	S	CHAPTER 34	NAVIGATION - Independent Position Determining - Enhanced Ground Proximity Warning Computer Replacement
SB 34-1650	OCT 10/2004	C	CHAPTER 34	NAVIGATION - Flight Management Computer (FMC) System - Update the FMC Software to Version 10.5
SB 34-1650R1	OCT 10/2004	S	CHAPTER 34	NAVIGATION - Flight Management Computer (FMC) System - Update the FMC Software to Version 10.5
SB 34-1721	OCT 10/2004	S	CHAPTER 34	NAVIGATION - Air Data Inertial Reference System (ADIRS) - Wiring Change to activate 2005 MAGVAR table
SB 49-1116	FEB 05/1999	S	CHAPTER 49	AIRBORNE AUXILIARY POWER - APU IGNITION START SYSTEM - START CONVERTER UNIT CHANGE

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SB 49-1116R1	FEB 05/1999	S	CHAPTER 49	AIRBORNE AUXILIARY POWER - APU IGNITION START SYSTEM - START CONVERTER UNIT CHANGE
SB 52-1136	FEB 10/2001	S	CHAPTER 52	DOORS - Emergency Exit - Mechanism Guard Installatin
SB 55A1080	FEB 10/2003	S	CHAPTER 27	STABILIZERS - Elevator - Elevator and Elevator Tab Replacement
SB 55A1080R1	FEB 10/2005	C	CHAPTER 27	STABILIZERS - Elevator - Elevator and Elevator Tab Replacement
SB 77-1056	JUN 10/2004	S	CHAPTER 71	ENGINE INDICATING - Analyzers - Airborne Vibration Monitoring (AVM) System - Universal
SB 78-1063R1	JUN 10/2000	C	CHAPTER 78	EHAUST - THRUST REVERSER - INNER WALL BLANKET INSULATION CHANGE

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FAULT ISOLATION MANUAL

INTRODUCTION

1. GENERAL

- A. This publication was prepared by the Boeing Commercial Airplane Group in accordance with Air Transport Association of America Specification No. 100, Specification for Manufacturers' Technical Data. It contains information required to isolate and correct faults in the systems and equipment installed in the 737-600/700/800/900 family of airplanes.

NOTE: "THIS MANUAL IS PREPARED SPECIFICALLY TO COVER THE BOEING AIRPLANES LISTED IN THE 'LIST OF EFFECTIVE AIRPLANES' SECTION, FOR THE OPERATOR NAMED ON THE TITLE PAGE. IT CONTAINS INSTRUCTIONS AND INFORMATION APPLICABLE SOLELY TO THOSE SPECIFIC AIRPLANES, IN THEIR AS-DELIVERED CONFIGURATION PLUS ANY APPLICABLE BOEING SERVICE BULLETINS OR OTHER OPERATOR CHANGES THE INCORPORATION OF WHICH THE NAMED OPERATOR HAS NOTIFIED BOEING."

NOTE: "THE NAMED OPERATOR IS SOLELY RESPONSIBLE FOR THE ACCURACY AND VALIDITY OF ALL INFORMATION FURNISHED BY THAT NAMED OPERATOR OR ANY OTHER PARTY BESIDES BOEING AND, IF IN RECEIPT OF ACTIVE REVISION SERVICE, THAT ANY MODIFICATIONS TO THE AIRPLANES ARE PROPERLY REFLECTED IN THE MAINTENANCE INSTRUCTIONS CONTAINED IN THIS MANUAL. OPERATORS ARE RESPONSIBLE FOR ENSURING THAT THE MAINTENANCE DOCUMENTATION THEY ARE USING IS COMPLETE AND MATCHES THE CURRENT CONFIGURATION OF THE AIRPLANE. THE BOEING COMPANY ASSUMES NO RESPONSIBILITY IN THIS REGARD. CUSTOMIZATION DOES NOT TRACK THE CONFIGURATION OF AIRCRAFT LISTED ON THE LIST OF EFFECTIVE AIRPLANES PAGE THAT HAVE BEEN CONVEYED TO ANOTHER OPERATOR."

NOTE: "THIS MANUAL IS NOT SUITABLE FOR USE, INCLUDING WITHOUT LIMITATION, GENERAL INSTRUCTIONS OR TRAINING, FOR ANY AIRPLANES NOT LISTED HEREIN, NOR DOES IT NECESSARILY APPLY TO LISTED AIRPLANES THAT HAVE BEEN CONVEYED TO OTHER OPERATORS."

- B. Communications concerning this publication should be directed to Boeing Commercial Airplane Group; Attention: Manager, Maintenance Engineering Technical Services. However, to expedite a reply to the proper Boeing organization, it is requested that you use the Publications Change Request form. This form, supplied by Boeing, is available to you through your publications organization or access it on MyBoeingFleet at: [https:// www.myboeingfleet.com:443/boldweb/pcr_select.bhtml](https://www.myboeingfleet.com:443/boldweb/pcr_select.bhtml) (user ID and password required). For an account, contact your companies MyBoeingFleet.com Account Administrator or contact Digital Data Customer Support at 1-206-544-9990. You can also e-mail requests directly in the Boeing Communication System at this address: [http:// bcsweb.web.boeing.com/](http://bcsweb.web.boeing.com/). Please provide this information: airline name, your name, phone number, e-mail address, airplane model-type, title of manual or document number, ATA chapter-section-subject, and the description of the change requested.
- C. The Fault Isolation Manual and the Fault Reporting Manual together provide a structured method for the airplane operator to report and correct faults in airplane systems.
- (1) The Fault Reporting Manual (FRM) is primarily for the flight crews and the cabin crews. The FRM contains these two alphabetical lists of faults:
 - (a) Observed Faults
 - (b) Cabin Faults
 - (2) For each fault in the FRM, there is a unique 8-digit fault code.

INTRODUCTION



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FAULT ISOLATION MANUAL

- (3) The Fault Isolation Manual (FIM) is for the maintenance crews. It contains alphabetical lists and numerical indexes of all the faults given in the FRM. The FIM also has a fault isolation procedure for each of the faults.

2. Types of Faults

A. Observed Faults

- (1) Observed faults are the problem symptoms sensed by the flights crew or the maintenance crew. These are the types of observed faults:
 - (a) Faults that are shown on the pilot's panels and displays:
 - 1) Fault lights
 - 2) Failure and alert flags
 - 3) Alert messages
 - 4) Indicated values that are not normal.
 - (b) Flight crew observations in the flight compartment or during walk-around
 - (c) Servicing crew observations
 - (d) Ground maintenance crew observations

B. Cabin Faults

- (1) Cabin faults are the problems symptoms which can occur with the systems and equipment in the passenger cabin.

C. Maintenance Messages

- (1) Maintenance messages are the fault indications that you get from the built-in test BITE feature of a system or individual component. They help you find the cause of an observed fault. These are maintenance messages:
 - (a) A specific light or lights
 - (b) An alphanumeric code
 - (c) A group of English words with or without an associated numeric code.
- (2) Most BITE tests are performed at the front panel of components in the electronic equipment bay. Some BITE is performed in the flight compartment.
- (3) The control display units (CDUs) are in the flight compartment. You can access the BITE for several airplane systems through a CDU.

3. FIM Content - Front Matter

A. Introductory/Record-Keeping Pages

- (1) Effective Aircraft
- (2) Transmittal Letter
- (3) Effective Pages (for front matter)
- (4) Effective Chapters
- (5) Revision Record
- (6) Record of Temporary Revisions
- (7) Service Bulletin List
- (8) Introduction

B. Observed Fault List

- (1) There are two Observed Fault Lists. For each fault, each list gives a fault code and a FIM task number.

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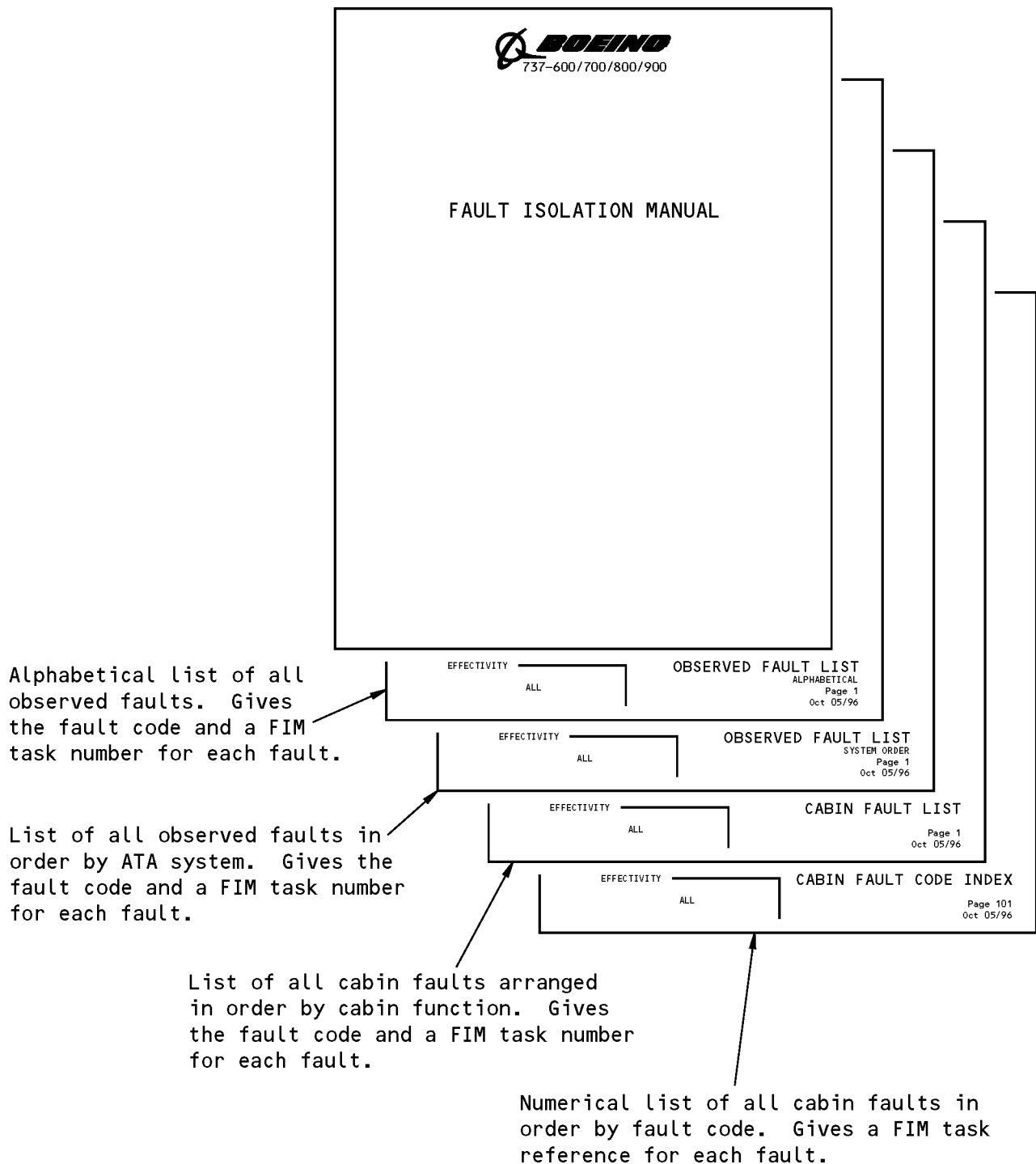
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- (a) The Observed Faults List (Alphabetical) gives an alphabetical list of all observed faults.
 - (b) The Observed Fault List (System Order) groups all of the observed faults into applicable airplane systems. The systems are presented in ATA chapter-section order.
 - (2) Each fault description starts with a keyword. It is possible that different users of the FIM will think of a different keyword to describe a given fault. Because of this, you can find a specific fault in several locations in the alphabetical list, with a different keyword in each location. For example, you will find each of these fault descriptions in the alphabetical list, with the same fault code and task number for each one:
 - (a) Boom microphone/headset: does not operate - captain's
 - (b) Headset/boom microphone: does not operate - captain's
 - (c) Microphone, boom/headset: does not operate - captain's
 - (3) One of the fault descriptions for a given fault is the "primary" description and the others are "alternate" descriptions. The alphabetical list includes the primary and alternate descriptions for each fault. The system-order list includes only the primary description for each fault. The Fault Code Index in each chapter includes only the primary description for each fault.
- C. Cabin Fault List
- (1) The Cabin Fault List is divided into sections by system. These are the cabin systems:
 - (a) Communications/Public Address
 - (b) Doors/Windows
 - (c) Emergency Equipment
 - (d) Galleys
 - (e) In-Flight Entertainment
 - (f) Lights
 - (g) Miscellaneous
 - (h) Seats
 - (i) Toilets/Lavatories
 - (2) In each section of the Cabin Fault List there is an alphabetical list of components. For each component there is a series of possible problems, with a fault code for each problem. There is also a task number if the FIM has a task for the problem.
- D. Cabin Fault Code Index
- (1) The Cabin Fault Code Index is in alphanumeric order by fault code. It contains the same information as the Cabin Faults List.

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Subjects at Front of FIM
Figure 1

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4. FIM Content - Numbered Chapters

A. List of Effective Pages

B. How to Use the FIM

- (1) These are simplified illustrations that give a summary of how to use the FIM and the airplane systems BITE to isolate faults. The six illustrations are:
 - (a) Fault Isolation Process
 - (b) Getting Fault Information from BITE
 - (c) Finding the Fault Isolation Task in the FIM
 - (d) Doing the Fault Isolation Task
 - (e) Subjects at the Front of the FIM
 - (f) Subjects in Each FIM Chapter.

C. Fault Code Index

- (1) The Fault Code Index is a numerical list of all fault codes for the chapter. For each code, there is a fault description and a FIM task number. The fault description in the Fault Code Index is the primary description for the fault.

D. Maintenance Message Index

- (1) Maintenance messages are the fault indications that you get from the built-in test BITE feature of a system or individual component. They help you find the cause of an observed fault. These are maintenance messages:
 - (a) A specific light or lights
 - (b) An alphanumeric code
 - (c) A group of English words with or without an associated numeric code.

NOTE: Some components and systems have maintenance messages with associated 7-digit codes (for example: 31-61014 or 73-10212). The first two digits of these codes is the FIM chapter of the system for which the fault applies.

- (2) The Maintenance Message Index is an alphanumeric listing of the fault indications, codes, or messages from the built-in test equipment (BITE) in that chapter. Components with BITE that can only show internal faults will not be included in the Maintenance Message Indexes.
- (3) At the front of each Maintenance Message Index, there is an alphabetical list of all the systems and components that have BITE with messages in the indexes. For each system or component, this list gives the chapter number where you can find the correct Maintenance Message Index.
- (4) All of the maintenance messages from a component or system BITE will be in the Maintenance Message Index of the chapter for the specific component or system. If a maintenance message has an associated 7-digit code, where the first two digits are not the same chapter as the component or system BITE, you will also find it in the Maintenance Message Index of the chapter that is the first two digits of the code. This is an example:
 - (a) The PSEU maintenance message "52-71001 FWD ENT DOOR OPEN" is in the Maintenance Message Index for the PSEU (Chapter 32) and is also in the Chapter 52 Maintenance Message Index.

E. Tasks

- (1) The fault isolation procedures in the FIM are structured as tasks according to the Aircraft Maintenance Task-Oriented Support System (AMTOSS) format described in ATA Specification 100. The introduction to the Aircraft Maintenance Manual (AMM) has a more detailed description of AMTOSS.

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- (2) Fault isolation tasks are grouped together at the chapter-section level. The tasks are arranged in numerical order by AMTOSS task number.
- (3) If there is a system or component that has BITE with any of these qualities, you will find the BITE procedure as the first task in the applicable chapter-section:
 - (a) The BITE test is not easy to do
 - (b) The BITE has maintenance messages for external faults as well as for internal faults.
 - (c) There are steps that you need to do to prepare for the BITE test.
- (4) For details on the structure and content of FIM tasks, refer to the paragraph below, "Fault Isolation Task Features".

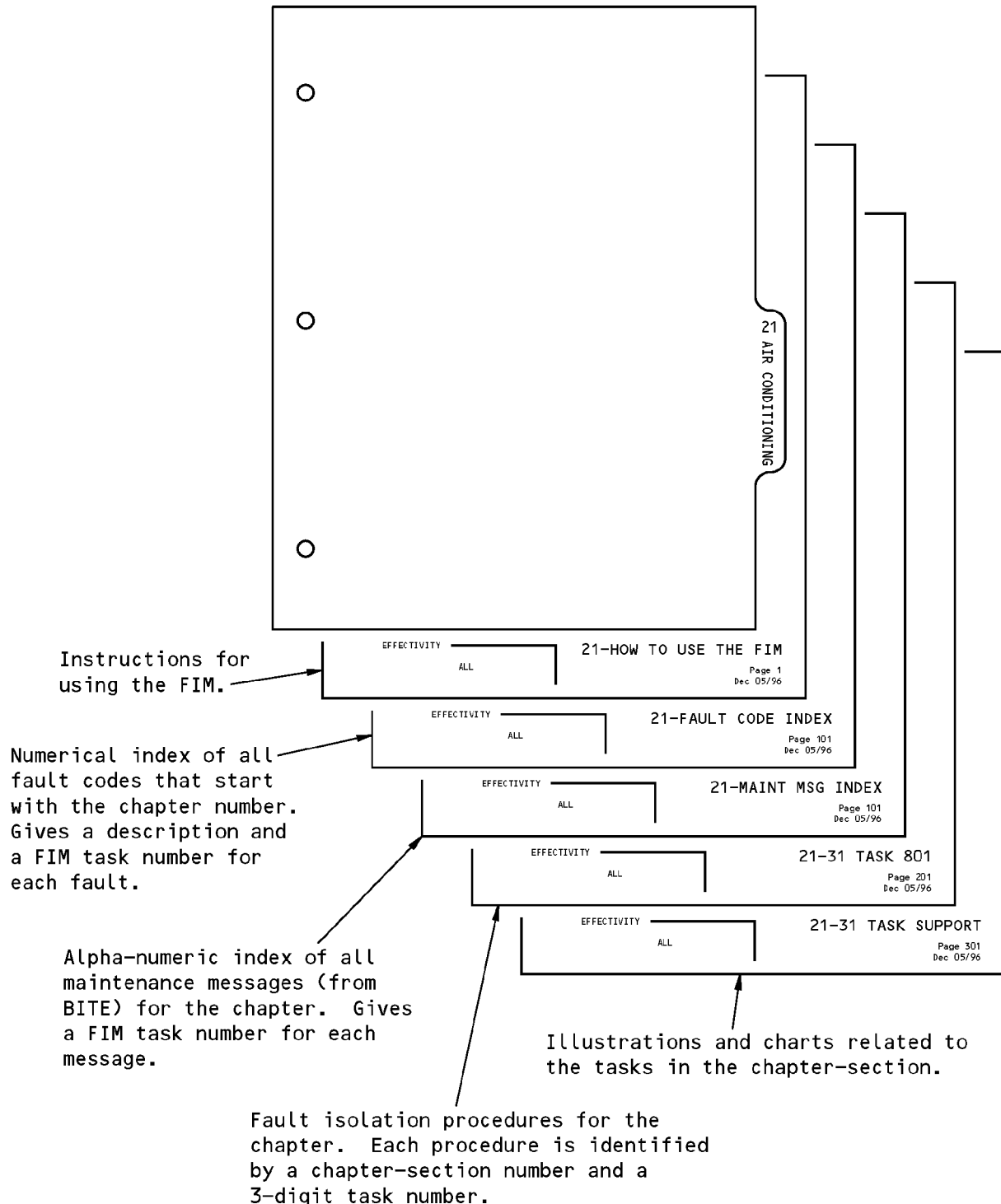
F. Task Support

CAUTION: MAKE SURE THAT YOU DO ALL OF THE STEPS TO THE END OF THE TASK. LARGE BLANK SPACES CAN OCCUR AT THE BOTTOM OF PAGES WHICH DO NOT ALWAYS INDICATE THAT YOU ARE AT THE END OF THE TASK. IF YOU DO NOT MAKE SURE THAT YOU COMPLETED THE TASK, DAMAGE TO THE EQUIPMENT OR SYSTEM MALFUNCTION COULD OCCUR.

- (1) The fault isolation Task Support pages appear in certain chapter-sections at the end of the final task. These pages contain illustrations and charts to support the fault isolation tasks. They include simplified schematics, and component location and access illustrations.

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Subjects in Each FIM Chapter
Figure 2

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5. Using the FIM to Isolate Faults

A. Observed Fault

- (1) You can find the FIM task for an observed fault by two methods; by the fault code, or by the fault description.
- (2) If you have a fault code for the observed fault (possibly reported by the flight crew), then use the Fault Code Index.
 - (a) Look at the first two digits of the fault code. This is the FIM chapter number you need. Go to that chapter in the FIM and find the Fault Code Index near the front of the chapter.
 - (b) Find the fault code for the observed fault in the Fault Code Index.
 - (c) To correct the problem now, read the task number in the GO TO FIM TASK column on the same line as the fault code.
 - (d) Find the specified task in the applicable section of the FIM and do the steps in the task.
- (3) If you do not have a fault code for the observed fault, then use one of the Observed Fault Lists.
 - (a) If you know the ATA chapter-section number of the system for which the fault applies, then go to the Observed Fault List (System Order) near the front of the FIM. Find the applicable system in the Observed Fault List (System Order).
 - (b) If you do not know the ATA chapter-section number of the system for which the fault applies, then go to the Observed Fault List (Alphabetical) near the front of the FIM.
 - (c) Think of a word related to the observed fault (this keyword will be the first word of the fault description).
 - (d) Find the fault description in the Observed Fault List (look for the keyword alphabetically).

NOTE: If you do not find the fault, try a different keyword.
 - (e) To correct the problem now, read the task number in the GO TO FIM TASK column on the same line as the fault description.

NOTE: If you want the fault code for the observed fault, you will find it adjacent to the task number.
 - (f) Find the specified task in the applicable section of the FIM and do the steps in the task.

B. Cabin Fault

- (1) You can find the FIM task for an cabin fault by two methods; by the fault code, or by the fault description.
- (2) If you have a fault code for the cabin fault (possibly reported by the flight crew or cabin crew), then use the Cabin Fault Code Index.
 - (a) Go to the Cabin Fault Code Index near the front of the FIM (it is immediately after the Cabin Fault List).
 - (b) Find the fault code for the cabin fault in the Cabin Fault Code Index.
 - (c) On the same line as the fault code, look for a task number in the GO TO FIM TASK column.
 - 1) If there is a task number in the GO TO FIM TASK column, then find the specified task in the FIM and do the steps in the task.
 - 2) If "AIRLINE METHOD" is in the GO TO FIM TASK column, then there is no task for the problem in the FIM. Follow your airline's method to correct the problem.
- (3) If you do not have a fault code for the cabin fault, then use the Cabin Fault List.
 - (a) Go to the Cabin Fault List near the front of the FIM.
 - (b) Find the pages for the general cabin system (galleys, seats, etc.).

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- (c) Find the component and problem description for the applicable cabin fault.

NOTE: If you want the fault code for the cabin fault, you will find it adjacent to the task number.

- (d) On the same line as the fault description, look for a task number in the GO TO FIM TASK column.
- 1) If there is a task number in the GO TO FIM TASK column, then find the specified task in the FIM and do the steps in the task.
 - 2) If "AIRLINE METHOD" is in the GO TO FIM TASK column, then there is no task for the problem in the FIM. Follow your airline's method to correct the problem.

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If you have the fault code, then
go to the Fault Code Index:

334 010 42	Light, wing illumination - does not come on - right		33-41 TASK 803
334 010 48	Light, wing illumination - does not come on - left and right		33-41 TASK 803

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33-FAULT CODE INDEX

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If you do not have a fault code,
then go to the Observed Fault List:

Light, taxi		
• Does not come on	334 320 00	33-45 TASK 813
• Does not go off	334 330 00	33-45 TASK 813
Light, wing illumination		
• Does not come on		
- left and right	334 010 48	33-41 TASK 803
- left	334 010 41	33-41 TASK 803
- right	334 020 00	33-41 TASK 803
• Lights do not go off	334 020 00	33-41 TASK 804

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OBSERVED FAULT LIST

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803. Wing Illumination Light Problems - Fault Isolation

- A. Description
(1) (SDS 33-41-00)
- B. Possible Causes
(1) Left or right wing illumination light, L34 or L35
(2) WING SCAN light switch, S98
(3) Wiring
- C. Circuit Breakers

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33-41 TASK 803

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Fault Isolation Process for Observed Fault
Figure 3

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If you have the fault code, then
go to the Cabin Fault Code Index:

T14 84 ---	Faucet in lavatory - does not turn on.	38-10 TASK 806
T14 86 ---	Faucet in lavatory - high pressure.	38-10 TASK 809
T14 87 ---	Faucet in lavatory - no hot water.	38-10 TASK 811
T14 88 ---	Faucet in lavatory - water contaminated.	38-10 TASK 816

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CABIN FAULT CODE INDEX

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If you do not have a fault code,
then go to the Cabin Fault List:

Faucet in lavatory:		
• does not turn off	T14 83 ---	38-10 TASK 807
• does not turn on	T14 84 ---	38-10 TASK 806
• high pressure	T14 86 ---	38-10 TASK 809
• leaking	T14 36 ---	38-10 TASK 807
• low pressure/quality	T14 38 ---	38-10 TASK 806
• no hot water	T14 87 ---	38-10 TASK 811
• overheats	T14 46 ---	38-10 TASK 808

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CABIN FAULT LIST

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811. No Hot Water at Faucet - Fault Isolation

A. Fault Isolation Procedure

- (1) Look at the power control switch for the hot water heater.
 - (a) If the heater control switch is OFF, then set it to ON.
 - 1) Open the hot water faucet for 10 seconds.
 - 2) If the water is hot, you corrected the fault.
 - (b) If the power control switch is ON, then continue.
- (2) Push the overheat switch in the top cover of the water heater.
 - (a) Open the hot water faucet for 10 seconds.

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38-10 TASK 811

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Fault Isolation Process for Cabin Fault
Figure 4

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6. Fault Isolation Task Features

A. General

- (1) The FIM is a tool to help you operate the airplane economically. The procedures in the FIM help you to quickly isolate the cause of each airplane fault.
- (2) To isolate the cause of a fault, you can also use your knowledge from:
 - (a) Your past experience with airplane faults
 - (b) The conditions under which the fault occurred
 - (c) The history of faults on your airplane or your fleet.
- (3) It is not a requirement to do the steps in the FIM procedure in the order shown. But if you do not plan to follow the FIM procedure exactly, make sure that you read it before you start to isolate the fault. Some FIM procedures start with important steps that have an effect on other steps later in the procedure.

B. Description

- (1) The Description paragraph gives information on the conditions that can cause the fault. This paragraph can describe the logic, conditions, and inputs for some faults. The Description paragraph can give a reference to a part of the System Description Section (Part I) of the Aircraft Maintenance Manual.

C. List of Possible Causes

- (1) The list of possible causes gives you a way to quickly see the causes that you will find in the Fault Isolation Procedure.
- (2) If you use the maintenance records of your airline to see if the fault occurred before, then you can find which steps in the fault isolation task were done in the past and prevent repetition of the same maintenance actions.
- (3) You can use this list to find what necessary parts are available before you begin the Fault Isolation Procedure.
- (4) The list of possible causes has a sequence. The most likely cause is first and the least likely cause is last.

D. List of Circuit Breakers

- (1) The list of circuit breakers gives you way to quickly know which circuit breakers are part of the circuit that has the problem.
- (2) The list gives the name of the circuit breakers the same as you will see on the panel.
- (3) There is an alphanumeric code before the name of the circuit breaker. This code gives the panel and the location of the circuit breaker on the panel. The number at the start of the code is the panel number. The letter and the numbers that follow are the grid location for the circuit breaker on the panel. For example; for 18D4, "18" is the Electrical Load Circuit Breaker Panel (P18), "D" is the column on the P18 panel, and "4" is the row on the P18 panel.

E. Related Data

- (1) The Related Data paragraph gives references to other data that applies to the problem. The references can be to the Task Support section in the FIM, the System Schematics Manual, or the Wiring Diagram Manual.

F. Initial Evaluation

- (1) Most fault isolation tasks have an Initial Evaluation paragraph. The purpose of the Initial Evaluation is to verify that the fault condition still exists before you start the Fault Isolation Procedure. The Initial Evaluation paragraph can also have you do a quick check to learn more about the fault.

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- (2) When a specific fault occurs, the steps in the Initial Evaluation will usually verify that the fault exists. Then they will instruct you to do a Fault Isolation Procedure that follows the Initial Evaluation.
- (3) When the Initial Evaluation cannot verify that the fault exists at the present time, then the steps in the task cannot isolate the fault. In this case, the Initial Evaluation will tell you that there was an intermittent fault.
 - (a) If you have an intermittent fault, then follow your airline's policy for intermittent faults.
 - (b) Use your judgement and the maintenance records of your airline to decide what action to take.
 - (c) Monitor the airplane to see if the fault occurs on subsequent flights.
 - (d) If the fault occurs on subsequent flights, then use your judgement to determine which other maintenance action to take.
- (4) There is no Initial Evaluation paragraph for observed faults whose existence is readily apparent (for example: wiper blade missing, drain mast frozen, ceiling panel wet). Also, there is no Initial Evaluation paragraph for observed faults whose existence cannot be verified on the ground (for example: engine surge, autopilot problem).
- (5) Generally, it is not a requirement to do the Initial Evaluation. However, it is recommended that you always do the Initial Evaluation because it will tell you whether the fault isolation procedure can isolate the fault.
- (6) Part or all of the Initial Evaluation can be necessary to set some initial conditions or to find out which Fault Isolation Procedure to do. There will be a note or a step at the beginning of the Fault Isolation Procedure to tell you if any of the Initial Evaluation is necessary.

G. Assumed Conditions at Start of Task

- (1) Each fault isolation task starts with these assumptions (unless the task tells you differently):
 - (a) External electrical power is on.
 - (b) Hydraulic power is off.
 - (c) Pneumatic power is off.
 - (d) Engines are shut down.
 - (e) All circuit breakers for the system are closed.
 - (f) No equipment in the system is deactivated.
 - (g) The fault was caused by a single failure, not multiple simultaneous failures.

H. Fault Isolation Steps

- (1) The Fault Isolation Procedure is a sequence of steps which provide several paths to isolate the fault.
- (2) There can be a paragraph at the beginning of the procedure to prepare the airplane or system for fault isolation. This will be followed, at the end of the path, by a paragraph to return the airplane or system to normal.
- (3) There can be one or more quick checks near the beginning of the procedure. This will help you do much fault isolation in a small amount of time. The quick checks will direct you to the next step to begin the fault isolation path.
- (4) The steps that follow any quick checks are more specific checks of the possible causes. The order of the more specific checks of the possible causes can differ from that in the list of possible causes. A specific check of a possible cause that is not the most probable can be quick and easy. For this reason, it can show before the specific check for a possible cause that is more probable.
- (5) To follow the correct path through the Fault Isolation Procedure, remember these rules:

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- (a) Do the steps of the task in the specified order.
- (b) Obey the "If ... then" statements that you see. These will guide you along the correct path.
- (c) When you are at the endpoint of the path, the step says "You corrected the fault."
- (d) When you see these words, complete the step you are on (if it is necessary). You have now completed the fault isolation.

I. Replacing Components

- (1) The steps of the fault isolation task make a clear distinction between the installation of a new component and installation of the same component you removed.
- (2) REPLACE
 - (a) When a step tells you to "Replace" a component, then remove the specified component and install a new component from your airline's stock of spare parts.
- (3) RE-INSTALL
 - (a) In some procedures, a step tells you to remove a component so that you can do a specific check. If the subsequent steps say "Re-install" the component, then install the same component that you removed previously.
- (4) INSTALL A NEW
 - (a) In some procedures, a step tells you to remove a component so that you can do a specific check. If the subsequent steps say "Install a new" component, then install a new or certified serviceable component from your airline's stock of spare parts.
- (5) EXCHANGE
 - (a) If a step tells you to "Exchange" two interchangeable components, then you remove both components, move each component to the other's location, then install those two components. This step is used in some procedures to see if the fault is in the component and moves with the component to the other location.

J. Repair Confirmation

- (1) After each corrective action in a Fault Isolation Procedure, there are steps that will verify that you corrected the fault.
 - (a) If the steps to confirm the repair tell you that "you corrected the fault", then you know that the fault is gone.
 - (b) If the steps are short, they are inside the paragraph.
 - (c) If the steps are long, they are in a separate "Repair Confirmation" section at the end of the task.
 - (d) In the Repair Confirmation paragraph, after the corrective action, if the steps tell you that the fault still exists, then return to the subsequent step of the fault isolation procedure (the step after the one that referred you to the Repair Confirmation).

K. References to Other Manuals

- (1) References to tasks in the Aircraft Maintenance Manual (AMM) or to subjects in other manuals look like this:
 - (a) AMM TASK 12-14-01-600-802 p301
 - (b) AMM TASK 21-27-01-400-801 p401
 - (c) FIM 21-31 TASK 804
 - (d) FIM 21-31 TASK SUPPORT Fig. 302
 - (e) SSM 29-11-01
 - (f) WDM 27-02-44

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- (g) SWPM 20-60-01
 - (2) The first two examples above are references to tasks in the AMM. The first six digits of the task number give the AMM chapter-section-subject (12-14-01, 21-27-01). The three digits after the letter "p" (p301, p401) give the first page of the page block that has the task. The third and fourth examples are references to another task in the FIM and to an illustration in the FIM. The last three examples above are references to other manuals.
 - (3) AMM = Aircraft Maintenance Manual
 - (4) FIM = Fault Isolation Manual
 - (5) SSM = System Schematics Manual
 - (6) WDM = Wiring Diagram Manual
 - (7) SWPM = Standard Wiring Practices Manual
- L. Electrical Checks
- (1) Electrical checks are used at components to find if they have a fault. Electrical checks are also used to find a problem in the wiring (also referred to as wiring checks).
 - (2) A step can tell you to do a specific electrical check. When a step says "Do a wiring check", These are the checks you must do:
 - (a) Examine any connectors that you disconnect for contamination, damage, and bent or pushed back pins
 - (b) Do these three types of electrical checks for the specified contacts (pins):
 - 1) Continuity from pin to pin
 - 2) Short circuits between the pins
 - 3) Short circuits from each pin to structure ground.
 - (3) ARINC 429 Wiring Checks
 - (a) An ARINC 429 wiring circuit connects a transmitting LRU to one or more receiving LRUs.
 - (b) To check the resistance between two pins of an ARINC 429 wiring circuit, first remove all LRUs which are connected to the circuit (refer to the applicable wiring diagram or schematic to see which LRUs are connected to the circuit).
 - 1) This will prevent effects on the measurement from the resistance of the ARINC 429 receivers and transmitters in the LRUs.
 - 2) This will prevent damage to connected LRUs by test equipment that operates at a high voltage (for example, when you use an ohmmeter which measures very high resistances to check for insulation problems).
 - (c) To make electrical measurements at ARINC 600 connectors, use the break out, A34016-XX to get access to the electrical contacts.
 - (d) After you complete the wiring check (and the subsequent wiring repair, if it is necessary), re-install the LRUs you removed.

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
A/P amber warning annunciator light		
• light on flashing, autopilot went to CWS mode	221 020 00	22-11 TASK 801
A/P red warning annunciator light		
• light on steady	221 010 00	22-11 TASK 801
A/T amber warning annunciator light		
• light on flashing	223 120 00	22-32 TASK 801
A/T LIMIT indication shows on autothrottle thrust mode display .	223 220 00	22-32 TASK 815
AC and DC metering panel		
• has missing segments	243 030 00	24-31 TASK 827
ACARS		
• does not operate correctly	232 310 00	23-27 TASK 801
Accessory compartment light		
• does not come on	333 050 00	33-30 TASK 801
• does not go off	333 051 00	33-30 TASK 801
ADF		
• audio problem		
- no. 1	345 310 01	34-57 TASK 806
• bearing pointer 1 does not show, ADF flag does not show		
- no. 1	345 370 01	34-57 TASK 820
• indication blank		
- no. 1 captain's	345 320 31	34-57 TASK 808
- no. 1 captain's and first officer's	345 320 48	34-57 TASK 810
- no. 1 first officer's	345 320 32	34-57 TASK 809
• tone problem		
- no. 1	345 340 01	34-57 TASK 814
ADF control panel problem	345 380 00	34-57 TASK 822
ADF flag shows on the display		
- no. 1 captain's	345 350 31	34-57 TASK 816
- no. 1 first officer's	345 350 32	34-57 TASK 817
ADF flag shows on the radio magnetic indicator	342 430 00	34-22 TASK 803
AFT cargo fire light		
• light on (false alarm)	261 225 45	26-16 TASK 801
AFT SUPPLY DUCT air temperature indication is not correct . .	216 170 00	21-61 TASK 860

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OBSERVED FAULT LIST

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
AFT ZONE CABIN air temperature indication is not correct	216 120 00	21-61 TASK 857
Aileron		
• does not go back to neutral		
- left	271 060 41	27-11 TASK 803
- left and right	271 060 48	27-11 TASK 802
- right	271 060 42	27-11 TASK 803
• does not move to full travel		
- left	271 010 41	27-11 TASK 805
- left and right	271 010 48	27-11 TASK 806
- right	271 010 42	27-11 TASK 805
• does not operate		
- left	271 020 41	27-11 TASK 807
- left and right	271 020 48	27-11 TASK 812
- right	271 020 42	27-11 TASK 807
• high trim	271 120 00	27-11 TASK 816
• slow response to control wheel movement, hydraulic power on	271 110 00	27-11 TASK 808
Aileron trim		
• left wing down and right wing down does not operate	271 050 48	27-11 TASK 815
• left wing down does not operate	271 050 41	27-11 TASK 814
• right wing down does not operate	271 050 42	27-11 TASK 814
Air		
• no flow from foot outlet		
- captain's	212 020 31	21-22 TASK 801
- first officer's	212 020 32	21-22 TASK 801
• no flow from windshield outlet		
- captain's	212 010 31	21-22 TASK 801
- first officer's	212 010 32	21-22 TASK 801
Air conditioning compartment light		
• does not come on		
- left	333 030 41	33-30 TASK 801
- right	333 030 42	33-30 TASK 801
• does not go off		
- left	333 031 41	33-30 TASK 801
- right	333 031 42	33-30 TASK 801
Air inlet door, for the APU		
• does not fully open or fully close	491 010 00	49-60 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Air mix valve indicator		
- does not operate, pointer does not move, temperature is OK - CONT CABIN 216 010 00 21-61 TASK 841 - PASS CABIN 216 020 00 21-61 TASK 841		
Air mode		
shows with the airplane on the ground 320 020 00 32-09 TASK 801		
Air outlet, foot		
- no flow - captain's 212 020 31 21-22 TASK 801 - first officer's 212 020 32 21-22 TASK 801		
Air outlet, windshield		
- no flow - captain's 212 010 31 21-22 TASK 801 - first officer's 212 010 32 21-22 TASK 801		
AIR TEMP indication not correct		
- air temperature selector at AFT SUPPLY DUCT 216 170 00 21-61 TASK 860 - air temperature selector at AFT ZONE CABIN 216 120 00 21-61 TASK 857 - air temperature selector at CONT CAB SUPPLY DUCT 216 140 00 21-61 TASK 858 - air temperature selector at FWD SUPPLY DUCT 216 180 00 21-61 TASK 859 - air temperature selector at FWD ZONE CABIN 216 130 00 21-61 TASK 856 - air temperature selector at PACK L 215 060 00 21-61 TASK 854 - air temperature selector at PACK R 215 070 00 21-61 TASK 855 - air temperature selector at PASS CABIN 216 190 00 21-61 TASK 843 - air temperature selector at SUPPLY DUCT 216 160 00 21-61 TASK 842		
Airframe		
vibration or lateral oscillation is excessive 055 170 00 05-51 TASK 813		
Airspeed display		
- does not show - captain's 342 045 31 31-63 TASK 809 - first officer's 342 045 32 31-63 TASK 809 - minimum maneuver speed or minimum speed on captain's PFD disagrees with first officer's PFD 342 044 00 34-21 TASK 830 - shows IAS DISAGREE message - captain's 342 046 31 31-62 TASK 876 - first officer's 342 046 32 31-62 TASK 876		
Airstair tread light		
- does not come on 334 290 00 33-40 TASK 801 - does not go off 334 291 00 33-40 TASK 801		

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
ALIGN lights for the L and R IRS		
• lights on flashing	342 230 00	34-21 TASK 805
ALT DISAGREE message shows on airspeed display		
- captain's	342 091 31	31-62 TASK 875
- first officer's	342 091 32	31-62 TASK 875
ALT flag shows on integrated standby flight display	342 602 00	34-24 TASK 805
ALT flag shows on the EFIS display		
- captain's	342 080 31	34-21 TASK 827
- first officer's	342 080 32	34-21 TASK 828
Altitude display		
• is blank		
- captain's	342 090 31	31-63 TASK 809
- first officer's	342 090 32	31-63 TASK 809
• shows ALT DISAGREE message		
- captain's	342 091 31	31-62 TASK 875
- first officer's	342 091 32	31-62 TASK 875
Altitude reporting		
• does not operate		
- ATC switch at 1	345 110 01	34-53 TASK 801
- ATC switch at 1 or 2	345 110 48	34-53 TASK 801
- ATC switch at 2	345 110 02	34-53 TASK 801
ALTITUDE window display on the mode control panel		
• does not change with altitude selector switch change	221 770 00	22-11 TASK 803
• does not show	221 780 00	22-11 TASK 803
ALTN mode light for the EEC		
• light did not come on during the EEC test		
- engine 1	730 350 51	73-05 TASK 810
- engine 2	730 350 52	73-05 TASK 810
• light on		
- engine 1	730 080 51	73-05 TASK 811
- engine 2	730 080 52	73-05 TASK 811
Anti-collision (strobe) light		
• does not go off		
- left wing	334 250 41	33-44 TASK 801
- right wing	334 250 42	33-44 TASK 801
- tail	334 260 00	33-44 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Anti-collision light		
• does not come on correctly		
- left wing	334 230 41	33-44 TASK 801
- lower	334 270 47	33-44 TASK 801
- right wing	334 230 42	33-44 TASK 801
- tail	334 240 00	33-44 TASK 801
- upper	334 270 46	33-44 TASK 801
• does not go off		
- lower	334 280 47	33-44 TASK 801
- upper	334 280 46	33-44 TASK 801
ANTISKID INOP light		
• light on	324 070 00	32-42 TASK 829
APU		
• air inlet door does not fully open or fully close	491 010 00	49-60 TASK 801
• backfire	492 150 00	49-55 TASK 801
• does not start, FAULT light on	492 100 00	49-60 TASK 801
• does not start, MAINT light on	492 110 00	49-60 TASK 801
• does not start, no APU indication lights on	492 130 00	49-15 TASK 805
• does not start, OVER SPEED light on	492 120 00	49-60 TASK 801
• fire false alarm	261 060 00	26-10 TASK 801
• fuel valve does not fully open or fully close	493 010 00	49-60 TASK 801
• oil consumption high	492 140 00	49-95 TASK 801
• Surges during main engine start	492 160 00	49-55 TASK 808
• vibration is excessive	491 020 00	49-15 TASK 807
APU BITE INOP message shows on the CDU	496 010 00	49-65 TASK 801
APU BOTTLE DISCHARGED light for the APU fire extinguishing system		
• light on	262 070 00	26-20 TASK 802
APU DET INOP light		
• light on	261 050 00	26-10 TASK 801
APU EGT indicator		
• does not operate correctly	497 010 00	49-75 TASK 801
APU FAULT light		
• light on, APU had a protective shutdown	492 010 00	49-60 TASK 801
• light on, APU operates without a protective shutdown	492 020 00	49-15 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
APU fire detector fault	261 050 00	26-10 TASK 801
APU fire extinguishing		
• bottle does not release extinguishant when activated at the remote APU fire control panel	262 130 00	26-20 TASK 804
• bottle does not release extinguishant when the fire handle is turned	262 120 00	26-20 TASK 803
• indication not normal when the EXT TEST switch is moved to 1 or 2	262 080 00	26-20 TASK 801
APU GEN OFF BUS light		
• light not on, APU speed at 95%	492 050 00	49-15 TASK 804
• light on with APU generator on line	242 050 00	24-21 TASK 801
APU LOW OIL PRESSURE light		
• light on, APU had a protective shutdown	492 060 00	49-60 TASK 801
• light on, APU operates with no protective shutdown	492 030 00	49-15 TASK 802
APU MAINT light		
• light on	492 070 00	49-60 TASK 801
APU OVER SPEED light		
• light on during APU shutdown	492 080 00	49-60 TASK 801
• light on, APU had a protective shutdown	492 090 00	49-60 TASK 801
• light on, APU operates with no protective shutdown	492 040 00	49-15 TASK 803
APU service light		
• does not come on	333 060 00	33-30 TASK 801
• does not go off	333 061 00	33-30 TASK 801
APU starter-generator		
• noisy during APU start	491 030 00	49-45 TASK 803
Arm rest problem		
- captain's	251 060 31	25-99 TASK 801
- first officer's	251 060 32	25-99 TASK 801
Ash (volcanic) condition	055 050 00	05-51 TASK 803
Assist handle problem		
- captain's	251 100 31	25-99 TASK 801
- first officer's	251 100 32	25-99 TASK 801
ATC		
• altitude reporting does not operate		
- no. 1	345 110 01	34-53 TASK 801
- no. 1 and no. 2	345 110 48	34-53 TASK 801
- no. 2	345 110 02	34-53 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
ATC (continued)		
• code indicator does not respond to selector movement . . .	345 120 00	34-53 TASK 814
• transmission weak or intermittent		
- no. 1	345 130 01	34-53 TASK 802
- no. 1 and no. 2	345 130 48	34-53 TASK 801
- no. 2	345 130 02	34-53 TASK 803
• transponder fail light on	345 140 00	34-53 TASK 801
ATT flag shows on integrated standby flight display	342 603 00	34-24 TASK 806
ATT flag shows on the EFIS display		
- captain's	342 010 31	34-21 TASK 825
- first officer's	342 010 32	34-21 TASK 826
Attitude display		
• does not show		
- captain's	342 015 31	31-63 TASK 809
- first officer's	342 015 32	31-63 TASK 809
Audio control panel indicator light problem		
- captain's	235 101 31	23-51 TASK 807
- first observer's	235 101 33	23-51 TASK 807
- first officer's	235 101 32	23-51 TASK 807
Audio control panel selector switch problem		
- captain's	235 103 31	23-51 TASK 807
- first observer's	235 103 33	23-51 TASK 807
- first officer's	235 103 32	23-51 TASK 807
Audio control panel volume control problem		
- captain's	235 102 31	23-51 TASK 807
- first observer's	235 102 33	23-51 TASK 807
- first officer's	235 102 32	23-51 TASK 807
Auto brake		
• deceleration rate is not correct	324 090 00	32-42 TASK 807
AUTO BRAKE DISARM light		
• light on	324 080 00	32-42 TASK 828
AUTO FAIL light		
• light on and ALTN light on, AUTO FAIL light goes off when pressurization mode selector switch is at ALTN	213 010 00	21-31 TASK 801
• light on, ALTN light not on	213 020 00	21-31 TASK 801
AUTO SLAT FAIL light		
• light on	278 060 00	27-32 TASK 801

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FAULT ISOLATION MANUAL

<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
AUTO temperature control		
• does not operate		
- AFT CAB	216 050 00	21-61 TASK 863
- CONT CAB	216 040 00	21-61 TASK 861
- FWD CAB	216 060 00	21-61 TASK 864
- PASS CABIN	216 070 00	21-61 TASK 862
• too cold, cannot make warmer in AUTO and MANUAL mode, air mix valve does not move to HOT		
- CONT CABIN	216 460 00	21-61 TASK 845
- PASS CABIN	216 470 00	21-61 TASK 847
• too cold, cannot make warmer, OK in MANUAL mode		
- CONT CABIN	216 420 00	21-61 TASK 801
- PASS CABIN	216 430 00	21-61 TASK 801
• too hot, cannot make cooler in AUTO and MANUAL mode, air mix valve does not move to COLD		
- CONT CABIN	216 440 00	21-61 TASK 844
- PASS CABIN	216 450 00	21-61 TASK 846
• too hot, cannot make cooler, OK in MANUAL mode		
- CONT CABIN	216 400 00	21-61 TASK 801
- PASS CABIN	216 410 00	21-61 TASK 801
Autopilot		
• A and B disengage automatically while in dual mode	221 140 00	22-11 TASK 801
• A/P amber warning annunciator light on flashing, autopilot went to CWS mode	221 020 00	22-11 TASK 801
• A/P red warning annunciator light on steady	221 010 00	22-11 TASK 801
• airplane does not align correctly with runway during approach	221 960 00	22-11 TASK 825
• airplane does not flare correctly during multi-channel approach, FLARE shows normal on the flight mode annunciator	221 750 00	22-11 TASK 801
• airplane does not go to set altitude with V/S, LVL CHG, or VNAV pitch mode set		
- CMD A engaged	221 330 00	22-11 TASK 801
- CMD A or CMD B engaged	221 350 00	22-11 TASK 801
- CMD B engaged	221 340 00	22-11 TASK 801
• airplane does not go to the set heading or keep the set heading with HDG SEL roll mode set		
- CMD A engaged	221 370 00	22-11 TASK 801
- CMD A or CMD B engaged	221 390 00	22-11 TASK 801
- CMD B engaged	221 380 00	22-11 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Autopilot (continued)		
● airplane does not go to the set vertical speed with V/S pitch mode set		
- CMD A engaged	221 520 00	22-11 TASK 801
- CMD A or CMD B engaged	221 540 00	22-11 TASK 801
- CMD B engaged	221 530 00	22-11 TASK 801
● airplane does not keep the same altitude with ALT HLD pitch mode set		
- CMD A engaged	221 490 00	22-11 TASK 801
- CMD A or CMD B engaged	221 510 00	22-11 TASK 801
- CMD B engaged	221 500 00	22-11 TASK 801
● airplane does not keep the set airspeed with MCP SPD (LVL CHG) pitch mode set		
- CMD A engaged	221 430 00	22-11 TASK 801
- CMD A or CMD B engaged	221 450 00	22-11 TASK 801
- CMD B engaged	221 440 00	22-11 TASK 801
● airplane does not keep the set course with VOR roll mode set		
- CMD A engaged	221 460 00	22-11 TASK 801
- CMD A or CMD B engaged	221 480 00	22-11 TASK 801
- CMD B engaged	221 470 00	22-11 TASK 801
● airplane does not keep the set heading		
- CWS A engaged	221 400 00	22-11 TASK 801
- CWS A or CWS B engaged	221 420 00	22-11 TASK 801
- CWS B engaged	221 410 00	22-11 TASK 801
● airplane has pitch oscillation (porpoises) during multi-channel approach	221 310 00	22-16 TASK 801
● airplane has pitch oscillation (porpoises) with any A/P engaged in CMD	221 320 00	22-16 TASK 801
● airplane roll is not smooth (jerky) with any A/P engaged in CMD	221 760 00	22-11 TASK 801
● control columns move when the autopilot engages	221 940 00	22-16 TASK 802
● control wheels move when the autopilot engages	221 950 00	22-16 TASK 803
● disengages automatically		
- CMD A engaged	221 080 00	22-11 TASK 801
- CMD A or CMD B engaged	221 100 00	22-11 TASK 801
- CMD B engaged	221 090 00	22-11 TASK 801
- CWS A engaged	221 110 00	22-11 TASK 801
- CWS A or CWS B engaged	221 130 00	22-11 TASK 801
- CWS B engaged	221 120 00	22-11 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Autopilot (continued)		
• does not disengage when CMD switch is pushed to off		
- CMD A engaged	221 570 00	22-11 TASK 803
- CMD A or CMD B engaged	221 590 00	22-11 TASK 803
- CMD B engaged	221 580 00	22-11 TASK 803
• does not disengage when CWS switch is pushed to off		
- CWS A engaged	221 600 00	22-11 TASK 803
- CWS A or CWS B engaged	221 620 00	22-11 TASK 803
- CWS B engaged	221 610 00	22-11 TASK 803
• does not disengage when disengage switch is pushed		
- captain's control column	221 550 31	22-13 TASK 809
- first officer's control column	221 550 32	22-13 TASK 809
- mode control panel	221 560 00	22-11 TASK 803
• does not engage in dual mode, CMD A engages, CMD B does not engage, FLARE pitch mode does not show on the flight mode annunciator	221 690 00	22-11 TASK 801
• does not engage in dual mode, CMD B engages, CMD A does not engage, FLARE pitch mode does not show on the flight mode annunciator	221 700 00	22-11 TASK 801
• does not engage when CMD switch is pushed, switch lights do not come on and CMD status does not show on the flight mode annunciator		
- CMD A	221 630 00	22-11 TASK 801
- CMD A or CMD B	221 650 00	22-11 TASK 801
- CMD B	221 640 00	22-11 TASK 801
• does not engage when CWS switch is pushed, switch lights do not come on, CWS P and CWS R status do not show on the flight mode annunciator		
- CWS A	221 660 00	22-11 TASK 801
- CWS A or CWS B	221 680 00	22-11 TASK 801
- CWS B	221 670 00	22-11 TASK 801
• does not keep pitch attitude		
- CWS A engaged	221 250 00	22-11 TASK 801
- CWS A or CWS B engaged	221 270 00	22-11 TASK 801
- CWS B engaged	221 260 00	22-11 TASK 801
• does not keep roll attitude		
- CWS A engaged	221 280 00	22-11 TASK 801
- CWS A or CWS B engaged	221 300 00	22-11 TASK 801
- CWS B engaged	221 290 00	22-11 TASK 801
• goes less than the normal bank angle with any A/P engaged in CMD	221 740 00	22-11 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Autopilot (continued)		
• goes more than the set bank angle limit in HDG SEL or VOR		
- CMD A engaged	221 710 00	22-11 TASK 801
- CMD A or CMD B engaged	221 730 00	22-11 TASK 801
- CMD B engaged	221 720 00	22-11 TASK 801
• NLND3 LCH shows in DFCS BITE FAULT HISTORY	221 203 00	22-11 TASK 801
• NO ALND LCH shows in DFCS BITE FAULT HISTORY	221 204 00	22-11 TASK 801
• NO AUTOLAND shows on the engine display	221 201 00	22-11 TASK 801
• NO LAND 3 shows on the engine display	221 202 00	22-11 TASK 801
• P MODE FAIL shows in DFCS BITE FAULT HISTORY	221 205 00	22-11 TASK 801
• pitch or roll mode does not engage or disengages automatically, autopilot went to CWS mode		
- CMD A engaged	221 220 00	22-11 TASK 801
- CMD A or CMD B engaged	221 240 00	22-11 TASK 801
- CMD B engaged	221 230 00	22-11 TASK 801
• R MODE FAIL shows in DFCS BITE FAULT HISTORY	221 206 00	22-11 TASK 801
• SPDTRM LCH shows in DFCS BITE FAULT HISTORY	221 207 00	22-11 TASK 801
• status does not show on the flight mode annunciator, switch lights are on	221 180 00	22-11 TASK 801
• TO/GA pitch mode does not show on the flight mode annunciator for go-around when TO/GA switch is pushed and F/D on		
- captain's	221 200 31	22-11 TASK 801
- captain's and first officer's	221 200 48	22-11 TASK 801
- first officer's	221 200 32	22-11 TASK 801
• travel is not within limits, column force is normal	273 010 00	27-31 TASK 809
Autothrottle		
• A/T amber warning annunciator light on flashing	223 120 00	22-32 TASK 801
• A/T LIMIT indication shows on thrust mode display	223 220 00	22-32 TASK 815
• airplane does not keep the set airspeed with MCP SPD (LVL CHG) pitch mode set		
- CMD A engaged	221 430 00	22-11 TASK 801
- CMD A or CMD B engaged	221 450 00	22-11 TASK 801
- CMD B engaged	221 440 00	22-11 TASK 801
• disengages automatically	223 130 00	22-32 TASK 806
• does not arm, ARM light does not come on, ARM does not show on the flight mode annunciator	223 170 00	22-32 TASK 810
• does not automatically disengage after touchdown	223 110 00	22-32 TASK 806
• does not disengage when disengage switch is pushed		
- engine 1 thrust lever	223 140 51	22-32 TASK 805
- engine 2 thrust lever	223 140 52	22-32 TASK 805
• does not disengage when thrust levers are split	223 190 00	22-32 TASK 811

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Autothrottle (continued)		
• does not go to full rated N1 when TO/GA switch is pushed a second time during go-around		
- engine 1	223 070 51	22-32 TASK 804
- engine 1 and engine 2	223 070 48	22-32 TASK 804
- engine 2	223 070 52	22-32 TASK 804
• does not go to reduced N1 when TO/GA switch is pushed one time during go-around		
- engine 1	223 080 51	22-32 TASK 804
- engine 1 and engine 2	223 080 48	22-32 TASK 804
- engine 2	223 080 52	22-32 TASK 804
• does not keep N1 limit in N1 mode		
- engine 1	223 020 51	22-32 TASK 801
- engine 1 and engine 2	223 020 48	22-32 TASK 801
- engine 2	223 020 52	22-32 TASK 801
• does not keep set speed in SPEED mode		
- engine 1	223 030 51	22-32 TASK 801
- engine 1 and engine 2	223 030 48	22-32 TASK 801
- engine 2	223 030 52	22-32 TASK 801
• engine N1 speed fluctuates, engine N1 speed is normal with autothrottle OFF		
- engine 1	223 040 51	22-32 TASK 801
- engine 1 and engine 2	223 040 48	22-32 TASK 801
- engine 2	223 040 52	22-32 TASK 801
• mode does not change when mode switch is pushed	223 200 00	22-32 TASK 809
• overcontrols with A/T mode engaged	223 150 00	22-32 TASK 808
• selected target speed bug problem on the mach airspeed indicator		
- captain's	223 010 31	22-32 TASK 803
- first officer's	223 010 32	22-32 TASK 803
• status does not show on flight mode annunciator	223 050 00	22-32 TASK 807
• status mode does not change automatically	223 090 00	22-32 TASK 807
• throttle resolver angle indication is blank during BITE interactive range check	223 210 00	22-32 TASK 813
• thrust lever does not move back in RETARD mode		
- engine 1	223 100 51	22-32 TASK 802
- engine 1 and engine 2	223 100 48	22-32 TASK 802
- engine 2	223 100 52	22-32 TASK 802

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Autothrottle (continued)		
• thrust lever does not move forward when TO/GA switch is pushed		
- engine 1	223 060 51	22-32 TASK 804
- engine 1 and engine 2	223 060 48	22-32 TASK 804
- engine 2	223 060 52	22-32 TASK 804
• thrust lever problem		
- engine 1	223 160 51	22-32 TASK 808
- engine 1 and engine 2	223 160 48	22-32 TASK 808
- engine 2	223 160 52	22-32 TASK 808
• thrust levers are split, OK with autothrottle disengaged . . .	223 180 00	22-32 TASK 811
AUX PITOT light		
• light on	303 010 00	30-31 TASK 801
AVM signal conditioner		
• display blank	770 061 00	77-05 TASK 809
• flight history shows "00" for two of the vibration indications		
- engine 1	770 062 51	77-05 TASK 808
- engine 2	770 062 52	77-05 TASK 808
Ax, crash		
• missing	256 020 00	25-99 TASK 801
Battery voltage		
• less than 22 volts with BAT switch at ON and no AC power on the charger	494 010 00	49-45 TASK 801
• less than 26 volts with AC power on the charger	494 020 00	49-45 TASK 802
Birdstrike/FOD		
• in engine, engine had a surge/stall		
- engine 1	710 030 51	71-05 TASK 805
- engine 2	710 030 52	71-05 TASK 805
• in engine, engine parameters normal		
- engine 1	710 010 51	71-05 TASK 801
- engine 2	710 010 52	71-05 TASK 801
• in engine, engine parameters not normal or unknown		
- engine 1	710 020 51	71-05 TASK 801
- engine 2	710 020 52	71-05 TASK 801
• on airframe/area unknown, engine parameters normal . . .	055 130 00	05-51 TASK 804
BLEED TRIP OFF light		
• light on, the engine is the bleed source		
- no. 1	361 010 01	36-10 TASK 801
- no. 2	361 010 02	36-10 TASK 801

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FAULT ISOLATION MANUAL

<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Bleed valve		
does not close when the bleed switches are moved to off, the engine is the bleed source	361 020 00	36-10 TASK 802
Boom microphone/headset		
- damaged - captain's - first officer's - does not operate - captain's - first officer's	235 020 31 235 020 32 235 010 31 235 010 32	23-51 TASK 802 23-51 TASK 802 23-51 TASK 801 23-51 TASK 801
Brake pressure indicator		
- does not operate - low/zero with parking brake released - low/zero with parking brake set	324 020 00 324 010 00 324 110 00	32-42 TASK 815 32-42 TASK 814 32-42 TASK 814
Brakes		
- grab, drag, or lock - overheated during stop - pull to the left - pull to the right	324 030 00 055 030 00 324 040 00 324 050 00	32-42 TASK 816 05-51 TASK 805 32-42 TASK 817 32-42 TASK 817
Buffet, severe turbulence, stall, or overspeed	055 070 00	05-51 TASK 808
CAB DOOR UNLOCKED light for the flight compartment door		
does not come on when the door is unlocked	525 010 00	52-50 TASK 801
CABIN ALT indication		
fluctuates	213 040 00	21-31 TASK 801
Cabin altitude and differential pressure gauge		
indicates high cabin pressure differential and low cabin altitude	213 121 00	21-33 TASK 803
Cabin altitude warning system		
does not operate	213 060 00	21-33 TASK 801
CABIN CLIMB indicator		
does not operate, pointer does not move	213 080 00	21-33 TASK 802
Call horn		
- does not sound - operates continuously - sounds, ADIRU power problem, ON DC light on - left - right	234 340 00 234 350 00 342 200 41 342 200 42	23-43 TASK 801 23-43 TASK 802 34-21 TASK 829 34-21 TASK 829

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Call horn (continued)		
• sounds, equipment cooling problem	342 190 00	34-21 TASK 829
Call system		
• call light does not come on, attendant to flight compartment	234 380 00	23-42 TASK 801
• call light does not come on, ground crew to flight compartment	234 370 00	23-43 TASK 804
• chime does not sound in the flight compartment	234 390 00	23-42 TASK 804
• does not operate, flight compartment to attendant	234 400 00	23-42 TASK 802
• does not operate, ground crew to flight compartment	234 360 00	23-43 TASK 803
CAPT PITOT light		
• light on	303 020 00	30-31 TASK 802
Cargo compartment light		
• does not come on		
- aft	333 080 45	33-30 TASK 801
- forward	333 080 44	33-30 TASK 801
• does not go off		
- aft	333 081 45	33-30 TASK 801
- forward	333 081 44	33-30 TASK 801
Cargo door		
• difficult to open/close	523 010 00	52-30 TASK 801
• does not unlatch/latch	523 020 00	52-30 TASK 802
Cargo fire detection		
• AFT cargo fire light on (false alarm)	261 225 45	26-16 TASK 801
• FWD cargo fire light on (false alarm)	261 225 44	26-16 TASK 801
• MAIN cargo fire light on (false alarm)	261 225 00	26-16 TASK 801
Cargo fire extinguishing		
• bottle does not release extinguishant when DISCH switch is pushed	262 200 00	26-23 TASK 803
• DISCH light on, DISCH switch not pushed	262 205 00	26-23 TASK 802
• EXT AFT light does not come on during cargo fire test . . .	262 210 45	26-23 TASK 812
• EXT FWD light does not come on during cargo fire test . .	262 210 44	26-23 TASK 812
Cargo fire test		
• test failed, AFT cargo fire light does not come on, DETECTOR FAULT light comes on		
- DET SELECT switch at A	261 205 45	26-16 TASK 804
- DET SELECT switch at B	261 210 45	26-16 TASK 804
- DET SELECT switch at NORM	261 215 45	26-16 TASK 804
• test failed, AFT cargo fire light does not come on, DETECTOR FAULT light is off	261 200 45	26-16 TASK 806

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Cargo fire test (continued)		
● test failed, EXT AFT light does not come on	262 210 45	26-23 TASK 812
● test failed, EXT FWD light does not come on	262 210 44	26-23 TASK 812
● test failed, FWD cargo fire light does not come on, DETECTOR FAULT light comes on		
- DET SELECT switch at A	261 205 44	26-16 TASK 804
- DET SELECT switch at B	261 210 44	26-16 TASK 804
- DET SELECT switch at NORM	261 215 44	26-16 TASK 804
● test failed, FWD cargo fire light does not come on, DETECTOR FAULT light is off	261 200 44	26-16 TASK 806
● test failed, warning lights and alarm do not operate	261 220 00	26-16 TASK 807
CDS display unit problem		
- center lower	316 050 47	31-63 TASK 824
- center upper	316 050 46	31-63 TASK 824
- left inboard	316 030 41	31-63 TASK 824
- left outboard	316 040 41	31-63 TASK 824
- right inboard	316 030 42	31-63 TASK 824
- right outboard	316 040 42	31-63 TASK 824
CDS FAULT annunciation shows on pilot's display		
- captain's	316 070 31	31-62 TASK 801
- first officer's	316 070 32	31-62 TASK 801
CDS MAINT annunciation shows on pilot's display		
- captain's	316 060 31	31-62 TASK 801
- first officer's	316 060 32	31-62 TASK 801
CDU		
● brightness control problem		
- captain's	346 020 31	34-61 TASK 803
- first officer's	346 020 32	34-61 TASK 803
● DATA BASE INVALID message shows	346 360 00	34-61 TASK 818
● display blank		
- captain's	346 040 31	34-61 TASK 804
- first officer's	346 040 32	34-61 TASK 804
● display is dim or out of focus		
- captain's	346 050 31	34-61 TASK 803
- first officer's	346 050 32	34-61 TASK 803
● DME data on NAV STATUS display shows FAIL	346 510 00	34-61 TASK 801
● EXEC key does not operate when pushed		
- captain's	346 060 31	34-61 TASK 805
- first officer's	346 060 32	34-61 TASK 805

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
CDU (continued)		
• EXEC key light bar does not come on		
- captain's	346 065 31	34-61 TASK 806
- first officer's	346 065 32	34-61 TASK 806
• FAIL light is on	346 080 00	34-61 TASK 807
• FMC DISAGREE message shows	346 075 00	34-61 TASK 835
• FMC shows in the middle of the display	346 070 00	34-61 TASK 807
• GPS-L data on POS REF display is missing	346 460 00	34-61 TASK 801
• GPS-R data on POS REF display is missing	346 470 00	34-61 TASK 801
• GS data on POS REF display is missing	346 480 00	34-61 TASK 801
• ILS data on NAV STATUS display shows FAIL	346 500 00	34-61 TASK 801
• IRS-L data on POS REF display is missing	346 440 00	34-61 TASK 801
• IRS-R data on POS REF display is missing	346 450 00	34-61 TASK 801
• key does not operate when pushed		
- captain's	346 010 31	34-61 TASK 802
- first officer's	346 010 32	34-61 TASK 802
• MODEL/ENG DATA INVALID message shows	346 380 00	34-61 TASK 819
• MSG light does not come on		
- captain's	346 270 31	34-61 TASK 810
- first officer's	346 270 32	34-61 TASK 810
• NAV DATA OUT OF DATE message shows	346 160 00	34-61 TASK 808
• OFST light does not come on		
- captain's	346 280 31	34-61 TASK 810
- first officer's	346 280 32	34-61 TASK 810
• OP PROGRAM INVALID shows in the middle of the display	346 260 00	34-61 TASK 811
• PROGRAM PIN ERROR message shows	346 390 00	34-61 TASK 820
• PROGRAM PIN NOT IN DB message shows	346 400 00	34-61 TASK 821
• RESYNC FAIL, SINGLE FMC OP/SINGLE FMC OP message shows	346 180 00	34-61 TASK 832
• SCANNING DME FAIL message shows	346 350 00	34-61 TASK 801
• SINGLE FMC OPERATION message shows	346 370 00	34-61 TASK 807
• VOR data on NAV STATUS display shows FAIL	346 490 00	34-61 TASK 801
Chart holder, sidewall problem		
- captain's	251 130 31	25-99 TASK 801
- first officer's	251 130 32	25-99 TASK 801
Chart light		
• does not come on correctly		
- captain's	331 150 31	33-10 TASK 801
- first officer's	331 150 32	33-10 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Chart light (continued)		
• does not go off		
- captain's	331 151 31	33-10 TASK 801
- first officer's	331 151 32	33-10 TASK 801
CHECK DBL OR INTERFACE message shows on CDU during FMC software load	346 290 00	34-61 TASK 812
CHECK MEDIA message shows on CDU during FMC software load	346 330 00	34-61 TASK 816
Circuit breaker collars (spare)		
• missing	256 201 00	25-99 TASK 801
Circuit breaker panel light		
• does not come on	331 040 00	33-10 TASK 801
• does not go off	331 041 00	33-10 TASK 801
Clock		
• does not operate		
- captain's	312 020 31	31-25 TASK 801
- first officer's	312 020 32	31-25 TASK 802
Cockpit door surveillance system		
• no video at all three camera positions	237 051 00	23-75 TASK 810
• no video at one or two camera positions during daytime conditions	237 052 00	23-75 TASK 811
• no video at one or two camera positions during nighttime conditions	237 053 00	23-75 TASK 812
CONFIG message shows in fuel quantity indication (flight compartment)	284 022 00	28-41 TASK 820
CONT CABIN air mix valve indicator		
• does not operate, pointer does not move, temperature is OK	216 010 00	21-61 TASK 841
CONT CABIN SUPPLY DUCT air temperature indication is not correct	216 140 00	21-61 TASK 858
Control cabin door		
• CAB DOOR UNLOCKED light does not come on when the door is unlocked	525 010 00	52-50 TASK 801
• difficult to open/close	525 020 00	52-50 TASK 802
• does not release electrically	525 040 00	52-50 TASK 803
• key is damaged	525 032 00	52-99 TASK 801
• key is missing	525 030 00	52-99 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Control column		
● does not move freely		
- captain's	273 020 31	27-31 TASK 801
- first officer's	273 020 32	27-31 TASK 801
● high force, hydraulic power off	273 150 00	27-31 TASK 814
● high force, hydraulic power on	273 140 00	27-31 TASK 813
● low force	273 130 00	27-31 TASK 812
● moves when the autopilot engages	221 940 00	22-16 TASK 802
● shaker does not operate during test	273 110 00	27-32 TASK 801
Control stand floodlight		
● does not come on correctly	331 090 00	33-10 TASK 801
● does not go off	331 091 00	33-10 TASK 801
Control wheel		
● does not move freely		
- captain's	271 030 31	27-11 TASK 813
- first officer's	271 030 32	27-11 TASK 813
● does not stay in the center position from one direction		
- captain's	271 100 31	27-11 TASK 810
- captain's and first officer's	271 100 48	27-11 TASK 810
- first officer's	271 100 32	27-11 TASK 810
● has too much play		
- captain's	271 040 31	27-11 TASK 801
- captain's and first officer's	271 040 48	27-11 TASK 801
- first officer's	271 040 32	27-11 TASK 801
● high force, hydraulic power off		
- captain's	271 080 31	27-11 TASK 809
- captain's and first officer's	271 080 48	27-11 TASK 809
- first officer's	271 080 32	27-11 TASK 809
● high force, hydraulic power on		
- captain's	271 070 31	27-11 TASK 804
- captain's and first officer's	271 070 48	27-11 TASK 804
- first officer's	271 070 32	27-11 TASK 804
● light force in one or both directions		
- captain's	271 090 31	27-11 TASK 811
- captain's and first officer's	271 090 48	27-11 TASK 811
- first officer's	271 090 32	27-11 TASK 811
● moves when the autopilot engages	221 950 00	22-16 TASK 803

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
COURSE window display on the mode control panel		
• does not change with course selector switch change		
- captain's	221 790 31	22-11 TASK 803
- first officer's	221 790 32	22-11 TASK 803
• does not show		
- captain's	221 800 31	22-11 TASK 803
- first officer's	221 800 32	22-11 TASK 803
COWL ANTI-ICE light		
• light comes on at high thrust setting (takeoff or climb) and goes off at reduced thrust		
- ENG ANTI-ICE 1	302 011 51	30-21 TASK 809
- ENG ANTI-ICE 2	302 011 52	30-21 TASK 809
• light comes on independent of engine thrust setting		
- ENG ANTI-ICE 1	302 010 51	30-21 TASK 801
- ENG ANTI-ICE 2	302 010 52	30-21 TASK 801
COWL VALVE OPEN light		
• slow to go from bright to dim when switch is moved to ON		
- ENG ANTI-ICE 1	302 020 51	30-21 TASK 802
- ENG ANTI-ICE 2	302 020 52	30-21 TASK 802
• slow to go from bright to off when switch is moved to OFF		
- ENG ANTI-ICE 1	302 030 51	30-21 TASK 803
- ENG ANTI-ICE 2	302 030 52	30-21 TASK 803
• stays on bright		
- ENG ANTI-ICE 1	302 040 51	30-21 TASK 804
- ENG ANTI-ICE 2	302 040 52	30-21 TASK 804
• stays on bright when switch is moved to ON		
- ENG ANTI-ICE 1	302 050 51	30-21 TASK 805
- ENG ANTI-ICE 2	302 050 52	30-21 TASK 805
Crash ax		
• missing	256 020 00	25-99 TASK 801
Crew oxygen pressure indicator		
• does not agree with bottle pressure	351 010 00	35-12 TASK 801
• pressure decreases	351 020 00	35-12 TASK 802
• pressure low	351 030 00	35-12 TASK 803
• pressure zero	351 040 00	35-12 TASK 804
Crew portable oxygen		
• damaged	353 010 00	35-99 TASK 801
• pressure low	353 020 00	35-99 TASK 801
• was used	353 030 00	35-99 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Crossfeed VALVE OPEN light		
• does not come on when the valve is in transit	282 125 00	28-22 TASK 808
• stays on bright when the crossfeed selector is moved to the off position	282 120 00	28-22 TASK 807
• stays on bright when the crossfeed selector is moved to the on position	282 110 00	28-22 TASK 807
Cup holder problem		
- captain's	251 140 31	25-99 TASK 801
- first officer's	251 140 32	25-99 TASK 801
DATA BASE INVALID message shows on the CDU	346 360 00	34-61 TASK 818
DB EXCEEDS FMC MEMORY message shows on CDU during FMC software load	346 300 00	34-61 TASK 813
DB-OPF INCOMPATIBLE message shows on CDU during FMC software load	346 320 00	34-61 TASK 815
Differential pressure indicator on IDG		
• extended		
- left	242 121 41	24-11 TASK 803
- right	242 121 42	24-11 TASK 803
DISCH light for cargo fire extinguishing		
• light not on when DISCH switch is pushed	262 200 00	26-23 TASK 803
• light on, DISCH switch not pushed	262 205 00	26-23 TASK 802
Display unit problem		
- center lower	316 050 47	31-63 TASK 824
- center upper	316 050 46	31-63 TASK 824
- left inboard	316 030 41	31-63 TASK 824
- left outboard	316 040 41	31-63 TASK 824
- right inboard	316 030 42	31-63 TASK 824
- right outboard	316 040 42	31-63 TASK 824
DISPLAYS CONTROL PANEL annunciation shows on pilot's display		
- captain's	316 026 31	31-62 TASK 801
- first officer's	316 026 32	31-62 TASK 801
DME		
• data on NAV STATUS display of CDU shows FAIL	346 510 00	34-61 TASK 801
• distance shows dashes		
- DME1	345 230 01	34-55 TASK 801
- DME2	345 230 02	34-55 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
DME (continued)		
- test problem when you push the TEST switch on the navigation control panel - captain's 345 210 31 34-55 TASK 801 - first officer's 345 210 32 34-55 TASK 801		
DME1 shows on the display	345 220 01	34-55 TASK 802
DME2 shows on the display	345 220 02	34-55 TASK 802
Dome light		
- does not come on correctly 331 050 00 33-10 TASK 801 - does not go off 331 051 00 33-10 TASK 801		
Door surveillance system (flight deck door)		
- no video at all three camera positions 237 051 00 23-75 TASK 810 - no video at one or two camera positions during daytime conditions 237 052 00 23-75 TASK 811 - no video at one or two camera positions during nighttime conditions 237 053 00 23-75 TASK 812		
Door, cargo		
- difficult to open/close 523 010 00 52-30 TASK 801 - does not unlatch/latch 523 020 00 52-30 TASK 802		
Door, entry exterior handle		
- difficult to operate - aft 521 010 45 52-10 TASK 811 - forward 521 010 44 52-10 TASK 811		
Door, flight compartment		
- CAB DOOR UNLOCKED light does not come on when the door is unlocked 525 010 00 52-50 TASK 801 - difficult to open/close 525 020 00 52-50 TASK 802 - does not release electrically 525 040 00 52-50 TASK 803 - key is damaged 525 032 00 52-99 TASK 801 - key is missing 525 030 00 52-99 TASK 801		
Door, flight deck enhanced security		
- chime does not sound with switch set to AUTO and correct code in keypad 525 121 00 52-50 TASK 808 - chime sounds with switch set to DENY 525 131 00 52-50 TASK 807 - does not lock with switch set to AUTO 525 141 00 52-50 TASK 804 - does not unlock with switch set to AUTO and correct code in keypad 525 151 00 52-50 TASK 806 - does not unlock with switch set to UNLKD 525 161 00 52-50 TASK 805 - LOCK FAIL light is on 525 171 00 52-50 TASK 809		

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Door, flight deck enhanced security (continued)		
• unlocks with switch set to DENY	525 181 00	52-50 TASK 807
Door, galley service exterior handle		
• difficult to operate	524 010 00	52-10 TASK 811
Drain mast		
• does not heat	307 010 00	30-71 TASK 801
• overheats	307 020 00	30-71 TASK 802
DRIVE light		
• light on		
- generator 1	241 010 01	24-11 TASK 801
- generator 2	241 010 02	24-11 TASK 802
DSPLY SOURCE annunciation shows on pilot's display		
- captain's	316 080 31	31-63 TASK 820
- first officer's	316 080 32	31-63 TASK 820
DUAL BLEED light		
• light on, APU BLEED switch at OFF	495 010 00	49-55 TASK 803
DUCT OVERHEAT light		
• light on, cannot reset		
- CONT CABIN	216 100 00	21-61 TASK 837
- PASS CABIN	216 105 00	21-61 TASK 838
• light on, comes on again after reset		
- CONT CABIN	216 090 00	21-61 TASK 848
- PASS CABIN	216 095 00	21-61 TASK 849
• light on, stays off after reset		
- CONT CABIN	216 080 00	21-61 TASK 839
- PASS CABIN	216 085 00	21-61 TASK 840
Duct pressure indication		
• high, the engine is the bleed source	361 030 00	36-10 TASK 803
• L and R pointers not the same (split), the APU is the bleed source	361 080 00	36-10 TASK 808
• L and R pointers not the same (split), the engine is the bleed source	361 070 00	36-10 TASK 807
• low or not constant during main engine start, the APU is the bleed source	495 031 00	49-55 TASK 807
• low or not constant during pack operation, the APU is the bleed source	495 032 00	49-55 TASK 806
• low, the engine is the bleed source	361 040 00	36-10 TASK 804
• zero, the APU is the bleed source	495 050 00	49-55 TASK 804
• zero, the engine is the bleed source	361 050 00	36-10 TASK 805

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Dust (extreme) condition	055 020 00	05-51 TASK 802
EAU BITE		
• all lights do not come on during the BITE procedure	780 200 00	78-34 TASK 809
EEC		
• does not power-up		
- engine 1	730 430 51	73-05 TASK 804
- engine 2	730 430 52	73-05 TASK 804
EEC ALTN mode light		
• light did not come on during the EEC test		
- engine 1	730 350 51	73-05 TASK 810
- engine 2	730 350 52	73-05 TASK 810
• light on		
- engine 1	730 080 51	73-05 TASK 811
- engine 2	730 080 52	73-05 TASK 811
EEC BITE		
• BITE INOP shows on the CDU		
- engine 1	730 420 51	73-05 TASK 802
- engine 2	730 420 52	73-05 TASK 802
• CH A EEC DATA NOT AVAILABLE shows on the CDU		
- engine 1	730 400 51	73-05 TASK 803
- engine 2	730 400 52	73-05 TASK 803
• CH B EEC DATA NOT AVAILABLE shows on the CDU		
- engine 1	730 410 51	73-05 TASK 803
- engine 2	730 410 52	73-05 TASK 803
• ENGINE MAINTENANCE CAN NOT BE ACCESSED - THE ENGINE'S FLIGHT INDICATOR SHOWS FLIGHT shows on the CDU, airplane is on the ground		
- engine 1	730 440 51	73-05 TASK 813
- engine 2	730 440 52	73-05 TASK 813
• FLIGHT LEGS BETWEEN CHANNEL A AND CHANNEL B ARE NOT SYNCHRONIZED shows on Recent Faults page or Fault History page		
- engine 1	730 456 51	73-05 TASK 815
- engine 2	730 456 52	73-05 TASK 815
• maintenance message does not erase		
- engine 1	730 450 51	73-06 TASK 814
- engine 2	730 450 52	73-06 TASK 814

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
EEC test failed		
• ALTN mode light did not come on		
- engine 1	730 350 51	73-05 TASK 810
- engine 2	730 350 52	73-05 TASK 810
• ENGINE CONTROL light did not come on		
- engine 1	730 330 51	73-06 TASK 813
- engine 2	730 330 52	73-06 TASK 813
• FILTER BYPASS light did not come on		
- engine 1	730 340 51	73-05 TASK 812
- engine 2	730 340 52	73-05 TASK 812
• OIL FILTER BYPASS message did not show		
- engine 1	790 120 51	79-05 TASK 818
- engine 2	790 120 52	79-05 TASK 818
EFIS control panel problem		
- captain's	316 020 31	31-63 TASK 819
- first officer's	316 020 32	31-63 TASK 821
EFIS CP annunciation shows on pilot's display		
- captain's	316 025 31	31-62 TASK 801
- first officer's	316 025 32	31-62 TASK 801
EGT indicator for the APU		
• does not operate correctly	497 010 00	49-75 TASK 801
EGT overtemperature (except starting)		
• EGT over amber band limit due to surge/stall		
- engine 1	710 100 51	71-05 TASK 804
- engine 2	710 100 52	71-05 TASK 804
• EGT over amber band limit, no surge/stall		
- engine 1	710 090 51	71-06 TASK 804
- engine 2	710 090 52	71-06 TASK 804
• EGT over redline due to surge/stall		
- engine 1	710 115 51	71-06 TASK 806
- engine 2	710 115 52	71-06 TASK 806
• EGT over redline, no surge/stall		
- engine 1	710 110 51	71-06 TASK 805
- engine 2	710 110 52	71-06 TASK 805
EGT, FF, oil pressure, and oil temperature indications		
• continue to show after engine shutdown		
- left engine	710 135 51	71-06 TASK 808
- right engine	710 135 52	71-06 TASK 808

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
EGT, N1, N2, and FF indications		
• read low or fluctuate		
- engine 1	710 130 51	73-06 TASK 809
- engine 2	710 130 52	73-06 TASK 809
ELEC 1 LOW PRESSURE light		
• light on	293 190 00	29-30 TASK 810
ELEC 1 OVERHEAT light		
• light on	293 030 00	29-30 TASK 805
ELEC 2 LOW PRESSURE light		
• light on	293 200 00	29-30 TASK 811
ELEC 2 OVERHEAT light		
• light on	293 040 00	29-30 TASK 806
ELEC light		
• light on	243 050 00	24-31 TASK 801
Electrical power		
• power to the electric motor-driven pump is interrupted during normal operation		
- system A	291 020 00	29-10 TASK 803
- system B	291 025 00	29-10 TASK 804
Electronic equipment compartment light		
• does not come on	333 040 00	33-30 TASK 801
• does not go off	333 041 00	33-30 TASK 801
Elevator		
• control cable tension repeatedly checks low	273 030 00	27-31 TASK 802
• does not move correctly	273 040 00	27-31 TASK 810
• too much play in elevator surface	273 050 00	27-31 TASK 804
Elevator tab surface		
• has too much play	273 120 00	27-31 TASK 805
Emergency Locator Transmitter (ELT)		
• no ELT signal on VHF when ELT switch set to ON during test	232 410 00	23-24 TASK 801
Emergency slide/overwing light		
• does not come on		
- left	335 020 41	33-50 TASK 801
- right	335 020 42	33-50 TASK 801

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Emergency slide/overwing light (continued)		
• does not go off		
- left	335 010 41	33-50 TASK 801
- right	335 010 42	33-50 TASK 801
ENG 1 LOW PRESSURE light		
• light off when the electric motor-driven pump is operated . .	291 010 51	29-10 TASK 801
• light on	293 210 51	29-30 TASK 812
ENG 1 OVERHEAT light		
• light on (false alarm)	261 010 51	26-10 TASK 801
ENG 2 LOW PRESSURE light		
• light off when the electric motor-driven pump is operated . .	291 010 52	29-10 TASK 802
• light on	293 210 52	29-30 TASK 813
ENG 2 OVERHEAT light		
• light on (false alarm)	261 010 52	26-10 TASK 801
ENG FAIL message shows over EGT indication		
- engine 1	730 020 51	73-05 TASK 805
- engine 2	730 020 52	73-05 TASK 805
ENG VALVE CLOSED light		
• slow to go from bright to dim when start lever moved to CUTOFF		
- engine 1	730 030 51	73-06 TASK 804
- engine 2	730 030 52	73-06 TASK 804
• slow to go from bright to off when start lever moved to IDLE		
- engine 1	730 040 51	73-06 TASK 803
- engine 2	730 040 52	73-06 TASK 803
• stays off for all start lever positions		
- engine 1	730 061 51	73-06 TASK 815
- engine 2	730 061 52	73-06 TASK 815
• stays off or bright when start lever moved to CUTOFF		
- engine 1	730 050 51	73-06 TASK 804
- engine 2	730 050 52	73-06 TASK 804
• stays on bright when start lever moved to IDLE, engine start was normal		
- engine 1	730 060 51	73-06 TASK 805
- engine 2	730 060 52	73-06 TASK 805
Engine 1 fire extinguishing		
• test failed	262 010 00	26-20 TASK 801
Engine 1 fire false alarm	261 020 51	26-10 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Engine 2 fire extinguishing		
• test failed	262 020 00	26-20 TASK 801
Engine 2 fire false alarm	261 020 52	26-10 TASK 801
Engine accessory unit (EAU) BITE		
• all lights do not come on during the BITE procedure	780 200 00	78-34 TASK 809
Engine automatic acceleration with no thrust lever movement		
- engine 1	730 070 51	73-06 TASK 806
- engine 2	730 070 52	73-06 TASK 806
Engine BITE		
• BITE INOP shows on the CDU		
- engine 1	730 420 51	73-05 TASK 802
- engine 2	730 420 52	73-05 TASK 802
• CH A EEC DATA NOT AVAILABLE shows on the CDU		
- engine 1	730 400 51	73-05 TASK 803
- engine 2	730 400 52	73-05 TASK 803
• CH B EEC DATA NOT AVAILABLE shows on the CDU		
- engine 1	730 410 51	73-05 TASK 803
- engine 2	730 410 52	73-05 TASK 803
• ENGINE MAINTENANCE CAN NOT BE ACCESSED - THE ENGINE'S FLIGHT INDICATOR SHOWS FLIGHT shows on the CDU, airplane is on the ground		
- engine 1	730 440 51	73-05 TASK 813
- engine 2	730 440 52	73-05 TASK 813
• FLIGHT LEGS BETWEEN CHANNEL A AND CHANNEL B ARE NOT SYNCHRONIZED shows on Recent Faults page or Fault History page		
- engine 1	730 456 51	73-05 TASK 815
- engine 2	730 456 52	73-05 TASK 815
• maintenance message does not erase		
- engine 1	730 450 51	73-06 TASK 814
- engine 2	730 450 52	73-06 TASK 814
ENGINE CONTROL light		
• light did not come on during the EEC test		
- engine 1	730 330 51	73-06 TASK 813
- engine 2	730 330 52	73-06 TASK 813
• light on		
- engine 1	730 010 51	73-06 TASK 801
- engine 2	730 010 52	73-06 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Engine EEC		
• does not power-up		
- engine 1	730 430 51	73-05 TASK 804
- engine 2	730 430 52	73-05 TASK 804
Engine EGT indication		
• blank		
- engine 1	770 010 51	73-05 TASK 804
- engine 2	770 010 52	73-05 TASK 804
• zero or fluctuates		
- engine 1	770 015 51	77-05 TASK 801
- engine 2	770 015 52	77-05 TASK 801
Engine fire extinguishing		
• APU BOTTLE DISCHARGE light on	262 070 00	26-20 TASK 802
• indication not normal when the EXT TEST switch is moved to 1	262 010 00	26-20 TASK 801
• indication not normal when the EXT TEST switch is moved to 2	262 020 00	26-20 TASK 801
• L BOTTLE DISCHARGE light on	262 050 00	26-20 TASK 802
• left bottle does not release extinguishant when the fire handle is turned	262 030 00	26-20 TASK 803
• R BOTTLE DISCHARGE light on	262 060 00	26-20 TASK 802
• right bottle does not release extinguishant when the fire handle is turned	262 040 00	26-20 TASK 803
Engine flameout		
• engine restart not attempted; record engine condition		
- engine 1	730 150 51	73-06 TASK 808
- engine 2	730 150 52	73-06 TASK 808
• engine restart not OK, F/F low		
- engine 1	730 100 51	73-06 TASK 808
- engine 2	730 100 52	73-06 TASK 808
• engine restart not OK, F/F zero		
- engine 1	730 110 51	73-06 TASK 808
- engine 2	730 110 52	73-06 TASK 808
• engine restart not OK, low windmill N2		
- engine 1	730 130 51	73-06 TASK 808
- engine 2	730 130 52	73-06 TASK 808
• engine restart not OK, unknown/other reasons		
- engine 1	730 140 51	73-06 TASK 808
- engine 2	730 140 52	73-06 TASK 808

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Engine flameout (continued)		
● engine restart not OK, VIB high		
- engine 1	730 120 51	71-05 TASK 808
- engine 2	730 120 52	71-05 TASK 808
● engine restart OK; record suspected cause of flameout		
- engine 1	730 090 51	73-06 TASK 807
- engine 2	730 090 52	73-06 TASK 807
Engine fuel indication		
● FF, N1, N2, and EGT read low or fluctuate		
- engine 1	730 160 51	73-06 TASK 809
- engine 2	730 160 52	73-06 TASK 809
● fuel flow is high, engine parameters (EGT, N1, N2) normal		
- engine 1	730 170 51	73-07 TASK 802
- engine 2	730 170 52	73-07 TASK 802
● fuel flow is intermittent or blank, engine parameters (EGT, N1, N2, and fuel used) normal		
- engine 1	730 180 51	73-07 TASK 801
- engine 2	730 180 52	73-07 TASK 801
● fuel flow is zero or low, engine parameters (EGT, N1, N2) not normal and fuel used is low		
- engine 1	730 200 51	73-06 TASK 809
- engine 2	730 200 52	73-06 TASK 809
● fuel flow is zero or low, engine parameters (EGT, N1, N2, and fuel used) normal		
- engine 1	730 190 51	73-07 TASK 802
- engine 2	730 190 52	73-07 TASK 802
● fuel used indication not normal, fuel flow normal		
- engine 1	730 210 51	73-07 TASK 802
- engine 2	730 210 52	73-07 TASK 802
Engine idle speed		
● approach idle speed high		
- engine 1	730 220 51	73-05 TASK 806
- engine 2	730 220 52	73-05 TASK 806
● approach idle speed low, ENG ANTI-ICE switch at ON		
- engine 1	730 230 51	73-07 TASK 803
- engine 2	730 230 52	73-07 TASK 803
● approach idle speed low, landing flaps selected		
- engine 1	730 240 51	73-07 TASK 804
- engine 2	730 240 52	73-07 TASK 804

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Engine idle speed (continued)		
● approach idle speed low, landing flaps selected and ENG ANTI-ICE switch at ON - engine 1 730 250 51 - engine 2 730 250 52 ● minimum idle speed high - engine 1 730 260 51 - engine 2 730 260 52 ● minimum idle speed low - engine 1 730 270 51 - engine 2 730 270 52		73-07 TASK 803 73-07 TASK 803 73-05 TASK 807 73-05 TASK 807 73-05 TASK 807 73-05 TASK 807
Engine motoring		
● no or low maximum dry motor speed (N2 low), duct pressure low (less than 30 psi), START VLV OPEN message shows on the engine display - engine 1 800 010 51 - engine 2 800 010 52 ● no or low maximum dry motor speed (N2 low), duct pressure normal, START VLV OPEN message shows on the engine display - engine 1 800 020 51 - engine 2 800 020 52		80-07 TASK 801 80-07 TASK 801 80-07 TASK 802 80-07 TASK 802
Engine N1 indication		
● blank - engine 1 770 020 51 - engine 2 770 020 52 ● fluctuates - engine 1 770 025 51 - engine 2 770 025 52		77-05 TASK 802 77-05 TASK 802 77-05 TASK 806 77-05 TASK 806
Engine N2 indication		
● blank - engine 1 770 030 51 - engine 2 770 030 52 ● fluctuates - engine 1 770 035 51 - engine 2 770 035 52		77-05 TASK 803 77-05 TASK 803 77-05 TASK 807 77-05 TASK 807
Engine nacelle or strut dragged or damaged		
- engine 1 055 100 51 - engine 2 055 100 52		05-51 TASK 811 05-51 TASK 811

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Engine oil consumption		
• high (oil quantity decreases at a quick rate)		
- engine 1	790 010 51	79-05 TASK 801
- engine 2	790 010 52	79-05 TASK 801
Engine oil pressure indication		
• high		
- engine 1	790 015 51	79-05 TASK 802
- engine 2	790 015 52	79-05 TASK 802
• intermittent or blank		
- engine 1	790 050 51	79-05 TASK 807
- engine 2	790 050 52	79-05 TASK 807
• low (amber)		
- engine 1	790 046 51	79-05 TASK 806
- engine 2	790 046 52	79-05 TASK 806
• low or zero (red)		
- engine 1	790 045 51	79-05 TASK 803
- engine 2	790 045 52	79-05 TASK 803
Engine oil quantity indication		
• high		
- engine 1	790 060 51	79-05 TASK 808
- engine 2	790 060 52	79-05 TASK 808
• inaccurate, intermittent, remains constant, or blank		
- engine 1	790 080 51	79-05 TASK 810
- engine 2	790 080 52	79-05 TASK 810
• low		
- engine 1	790 070 51	79-05 TASK 809
- engine 2	790 070 52	79-05 TASK 809
Engine oil temperature indication		
• high (amber)		
- engine 1	790 085 51	79-05 TASK 811
- engine 2	790 085 52	79-05 TASK 811
• high (red)		
- engine 1	790 090 51	79-05 TASK 812
- engine 2	790 090 52	79-05 TASK 812
• intermittent or blank		
- engine 1	790 100 51	79-05 TASK 815
- engine 2	790 100 52	79-05 TASK 815

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Engine overspeed		
• N1 over redline		
- engine 1	710 060 51	71-06 TASK 801
- engine 2	710 060 52	71-06 TASK 801
• N2 over redline		
- engine 1	710 070 51	71-06 TASK 802
- engine 2	710 070 52	71-06 TASK 802
• reverse thrust (N1) over limit, write maximum N1		
- engine 1	710 080 51	71-06 TASK 803
- engine 2	710 080 52	71-06 TASK 803
Engine overtemperature (except starting)		
• EGT over amber band limit due to surge/stall		
- engine 1	710 100 51	71-05 TASK 804
- engine 2	710 100 52	71-05 TASK 804
• EGT over amber band limit, no surge/stall		
- engine 1	710 090 51	71-06 TASK 804
- engine 2	710 090 52	71-06 TASK 804
• EGT over redline due to surge/stall		
- engine 1	710 115 51	71-06 TASK 806
- engine 2	710 115 52	71-06 TASK 806
• EGT over redline, no surge/stall		
- engine 1	710 110 51	71-06 TASK 805
- engine 2	710 110 52	71-06 TASK 805
Engine parameters		
• EGT fluctuates at all power settings		
- engine 1	710 140 51	71-06 TASK 807
- engine 2	710 140 52	71-06 TASK 807
• EGT high		
- engine 1	710 150 51	71-06 TASK 807
- engine 2	710 150 52	71-06 TASK 807
• EGT low		
- engine 1	710 160 51	71-06 TASK 807
- engine 2	710 160 52	71-06 TASK 807
• N1, N2, EGT, and FF read low or fluctuate		
- engine 1	710 130 51	73-06 TASK 809
- engine 2	710 130 52	73-06 TASK 809
Engine seizure		
- engine 1	055 120 51	05-51 TASK 811
- engine 2	055 120 52	05-51 TASK 811

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Engine start		
● EGT increase and lightoff not normal (impending hot start), fuel flow and duct pressure normal, engine started		
- engine 1	800 030 51	80-05 TASK 801
- engine 2	800 030 52	80-05 TASK 801
● engine overtemperature, EGT red, engine did not have an automatic shutdown		
- engine 1	800 270 51	80-05 TASK 807
- engine 2	800 270 52	80-05 TASK 807
● engine overtemperature, EGT red, engine had an automatic shutdown		
- engine 1	800 070 51	80-05 TASK 802
- engine 2	800 070 52	80-05 TASK 802
● fuel flow high, EGT high, engine started		
- engine 1	800 080 51	80-05 TASK 803
- engine 2	800 080 52	80-05 TASK 803
● fuel flow low, high, or zero, EGT and N2 increase normal, engine started		
- engine 1	800 090 51	80-05 TASK 804
- engine 2	800 090 52	80-05 TASK 804
● no lightoff, duct pressure and N2 normal, ENG VALVE CLOSED light on		
- engine 1	800 140 51	80-06 TASK 801
- engine 2	800 140 52	80-06 TASK 801
● no lightoff, duct pressure and N2 normal, SPAR VALVE CLOSED light on		
- engine 1	800 150 51	80-06 TASK 802
- engine 2	800 150 52	80-06 TASK 802
● no lightoff, fuel flow normal, ignition switch at IGN L, engine start normal with ignition switch at IGN R or BOTH		
- engine 1	800 180 51	80-06 TASK 803
- engine 2	800 180 52	80-06 TASK 803
● no lightoff, fuel flow normal, ignition switch at IGN R, engine start normal with ignition switch at IGN L or BOTH		
- engine 1	800 190 51	80-06 TASK 804
- engine 2	800 190 52	80-06 TASK 804
● no lightoff, fuel flow zero, ENG VALVE CLOSED and SPAR VALVE CLOSED lights are off		
- engine 1	800 200 51	80-06 TASK 805
- engine 2	800 200 52	80-06 TASK 805

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Engine start (continued)		
- no N1 rotation, EGT and N2 increase normal, engine started - engine 1 800 110 51 - engine 2 800 110 52 - slow N2 acceleration to idle or hung start - engine 1 800 220 51 - engine 2 800 220 52 - START VLV OPEN message does not show on the engine display, N2 rotation normal - engine 1 800 050 51 - engine 2 800 050 52 - START VLV OPEN message does not show on the engine display, no N2 rotation - engine 1 800 060 51 - engine 2 800 060 52 - START VLV OPEN message flashes (for up to 10 seconds) and then stays on during engine engine operation - engine 1 800 062 51 - engine 2 800 062 52		80-05 TASK 805 80-05 TASK 805 80-05 TASK 806 80-05 TASK 806 80-07 TASK 803 80-07 TASK 803 80-07 TASK 804 80-07 TASK 804 80-07 TASK 809 80-07 TASK 809
Engine start switch		
- switch does not hold in GRD position, switch manually held in GRD position, N2 rotation normal - engine 1 800 230 51 - engine 2 800 230 52 - switch does not hold in GRD position, switch manually held in GRD position, no N2 rotation - engine 1 800 240 51 - engine 2 800 240 52 - switch moves from GRD to OFF before N2 is at 55%, engine started - engine 1 800 250 51 - engine 2 800 250 52 - switch stays at GRD after N2 is more than 55%, engine started - engine 1 800 260 51 - engine 2 800 260 52		80-07 TASK 805 80-07 TASK 805 80-07 TASK 806 80-07 TASK 806 80-07 TASK 807 80-07 TASK 807 80-07 TASK 808 80-07 TASK 808
Engine strut or nacelle dragged or damaged		
- engine 1 055 100 51 - engine 2 055 100 52		05-51 TASK 811 05-51 TASK 811

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Engine surge/stall		
● surge/stall during acceleration or deceleration, engine operation normal after thrust was decreased to idle, engine shutdown		
- engine 1	710 180 51	71-05 TASK 804
- engine 2	710 180 52	71-05 TASK 804
● surge/stall during acceleration or deceleration, engine operation not normal after thrust was decreased to idle, engine shutdown		
- engine 1	710 190 51	71-05 TASK 804
- engine 2	710 190 52	71-05 TASK 804
● surge/stall during reverse thrust, engine operation normal after thrust was decreased to idle		
- engine 1	710 240 51	71-05 TASK 804
- engine 2	710 240 52	71-05 TASK 804
● surge/stall during reverse thrust, engine operation not normal after thrust was decreased to idle		
- engine 1	710 250 51	71-05 TASK 804
- engine 2	710 250 52	71-05 TASK 804
● surge/stall during takeoff, engine operation normal after surge		
- engine 1	710 200 51	71-05 TASK 804
- engine 2	710 200 52	71-05 TASK 804
● surge/stall during takeoff, engine operation not normal after surge, engine shutdown		
- engine 1	710 210 51	71-05 TASK 804
- engine 2	710 210 52	71-05 TASK 804
Engine takeoff thrust		
● low		
- engine 1	730 280 51	73-05 TASK 808
- engine 2	730 280 52	73-05 TASK 808
Engine thrust loss (automatic deceleration)		
● with no movement of thrust levers, engine parameters normal		
- engine 1	730 300 51	73-06 TASK 812
- engine 2	730 300 52	73-06 TASK 812
● with no movement of thrust levers, engine parameters not normal (VIB high)		
- engine 1	730 310 51	71-05 TASK 808
- engine 2	730 310 52	71-05 TASK 808

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Engine turns while fire handle is in the pulled position		
- engine 1	291 201 51	29-11 TASK 801
- engine 2	291 201 52	29-11 TASK 801
Engine VIB indication		
• blank		
- engine 1	770 040 51	77-05 TASK 805
- engine 2	770 040 52	77-05 TASK 805
• zero or fluctuates		
- engine 1	770 050 51	77-05 TASK 804
- engine 2	770 050 52	77-05 TASK 804
Engine vibration		
• vibration high		
- engine 1	710 232 51	71-05 TASK 808
- engine 2	710 232 52	71-05 TASK 808
Entry door exterior handle		
• difficult to operate		
- aft	521 010 45	52-10 TASK 811
- forward	521 010 44	52-10 TASK 811
EQUIP COOLING EXHAUST OFF light		
• light on with switch at ALTERNATE	212 080 00	21-27 TASK 805
• light on with switch at NORMAL	212 090 00	21-27 TASK 806
EQUIP COOLING SUPPLY OFF light		
• light on with switch at ALTERNATE	212 100 00	21-27 TASK 807
• light on with switch at NORMAL	212 110 00	21-27 TASK 808
Escape rope (lanyard)		
• damaged		
- captain's	256 130 31	25-61 TASK 802
- first officer's	256 130 32	25-61 TASK 802
• unstowed		
- captain's	256 140 31	25-61 TASK 803
- first officer's	256 140 32	25-61 TASK 803
Escape rope (lanyard) compartment cover		
• will not close		
- captain's	256 120 31	25-61 TASK 801
- first officer's	256 120 32	25-61 TASK 801
EXT AFT light for cargo fire extinguishing		
• light does not come on during cargo fire test	262 210 45	26-23 TASK 812

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
EXT FWD light for cargo fire extinguishing		
• light does not come on during cargo fire test	262 210 44	26-23 TASK 812
EXT TEST		
• test failed		
- APU	262 080 00	26-20 TASK 801
- engine 1	262 010 00	26-20 TASK 801
- engine 2	262 020 00	26-20 TASK 801
Extreme dust condition	055 020 00	05-51 TASK 802
F/O PITOT light		
• light on	303 030 00	30-31 TASK 803
FAIL light on the CDU		
• light on	346 080 00	34-61 TASK 807
Fault did not occur in any system during the flight leg	999 999 99	31-98 TASK 801
FAULT light for the APU		
• light on, APU had a protective shutdown	492 010 00	49-60 TASK 801
• light on, APU operates without a protective shutdown	492 020 00	49-15 TASK 801
FAULT light for the fire detection system on (P8 control stand)		
- engine 1	261 040 51	26-10 TASK 801
- engine 2	261 040 52	26-10 TASK 801
FAULT light for the IRS		
• light on		
- left	342 070 41	34-21 TASK 803
- right	342 070 42	34-21 TASK 803
FD flag shows on flight director display		
- captain's	221 170 31	22-11 TASK 801
- captain's and first officer's	221 170 48	22-11 TASK 801
- first officer's	221 170 32	22-11 TASK 801
FD status		
• does not show on the flight mode annunciator with F/D on		
- captain's	221 150 31	22-11 TASK 801
- captain's and first officer's	221 150 48	22-11 TASK 801
- first officer's	221 150 32	22-11 TASK 801
FEEL DIFF PRESS light		
• light on	273 060 00	27-31 TASK 803

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
FF, N1, N2, and EGT		
• read low or fluctuate		
- engine 1	730 160 51	73-06 TASK 809
- engine 2	730 160 52	73-06 TASK 809
FILTER BYPASS light		
• light did not come on during the EEC test		
- engine 1	730 340 51	73-05 TASK 812
- engine 2	730 340 52	73-05 TASK 812
• light on		
- engine 1	730 320 51	73-05 TASK 801
- engine 2	730 320 52	73-05 TASK 801
Fire extinguisher, flight compartment		
• missing	262 110 00	26-99 TASK 801
• seal broken or missing	262 090 00	26-99 TASK 801
• used	262 100 00	26-99 TASK 801
Fire extinguishing bottle		
• APU bottle discharged	262 070 00	26-20 TASK 802
• does not release extinguishant when activated at the remote APU fire control panel	262 130 00	26-20 TASK 804
• does not release extinguishant when the fire handle is turned		
- APU	262 120 00	26-20 TASK 803
- engine left	262 030 00	26-20 TASK 803
- engine right	262 040 00	26-20 TASK 803
• engine left bottle discharged	262 050 00	26-20 TASK 802
• engine right bottle discharged	262 060 00	26-20 TASK 802
Fire handle in the pulled position while engine turns		
- engine 1	291 201 51	29-11 TASK 801
- engine 2	291 201 52	29-11 TASK 801
Fire, false alarm		
- APU	261 060 00	26-10 TASK 801
- engine 1	261 020 51	26-10 TASK 801
- engine 2	261 020 52	26-10 TASK 801
Fire/overheat detection test		
• test failed, warning lights and alarm do not operate		
- APU	261 070 00	26-10 TASK 801
- engine 1	261 030 51	26-10 TASK 801
- engine 2	261 030 52	26-10 TASK 801
- wheel well	261 100 00	26-18 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Fireproof gloves		
• damaged	256 015 00	25-99 TASK 801
• missing	256 010 00	25-99 TASK 801
Flame or smoke in APU exhaust	492 150 00	49-55 TASK 801
Flames, momentary, from APU exhaust during main engine start	492 160 00	49-55 TASK 808
Flap lever		
• does not move freely	275 100 00	27-51 TASK 843
Flap position indicator		
• has fast movement	275 030 00	27-51 TASK 844
• has needles split	275 040 00	27-51 TASK 840
• has slow movement	275 050 00	27-51 TASK 845
• needle(s) do not operate	275 060 00	27-51 TASK 841
• needle(s) stick	275 070 00	27-51 TASK 842
Flaps		
• do not extend with alternate control	275 091 00	27-51 TASK 838
• do not operate with alternate control	275 090 00	27-51 TASK 837
• do not operate with primary control	275 080 00	27-51 TASK 836
• do not retract with alternate control	275 092 00	27-51 TASK 839
• lever does not move freely	275 100 00	27-51 TASK 843
• load relief occurs at wrong airspeed	275 020 00	27-51 TASK 803
• operation is fast	275 110 00	27-51 TASK 844
• operation is slow	275 120 00	27-51 TASK 845
• TE flap transmission torque trip indicator extended	275 140 00	27-51 TASK 849
Flaps and slats, leading edge		
• do not extend during alternate system operation	278 020 00	27-81 TASK 802
• do not extend during normal system operation	278 030 00	27-81 TASK 803
• do not retract	278 040 00	27-81 TASK 803
• one or more leading edge surfaces operate slowly	278 050 00	27-81 TASK 805
Flaps, leading edge		
• droops too much with hydraulic pressure off	278 010 00	27-81 TASK 801
• TRANSIT light stays on		
- 1	278 070 01	27-88 TASK 820
- 2	278 070 02	27-88 TASK 820
- 3	278 070 03	27-88 TASK 820
- 4	278 070 04	27-88 TASK 820

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Flaps/slats extended with airplane speed over placard limit . . .	055 090 00	05-51 TASK 810
Flashlight		
• battery low	256 070 00	25-99 TASK 801
• damaged	256 080 00	25-99 TASK 801
• does not come on	256 090 00	33-55 TASK 801
• does not go off	256 091 00	33-55 TASK 801
• missing	256 100 00	25-99 TASK 801
Flashlight LED		
• does not come on	256 110 00	33-55 TASK 801
Flight altitude display		
• indication blank	213 090 00	21-31 TASK 813
Flight control surface position indication		
• missing indication for one or more surfaces	270 081 00	31-63 TASK 825
Flight deck door (enhanced security door)		
• chime does not sound with switch set to AUTO and correct code in keypad	525 121 00	52-50 TASK 808
• chime sounds with switch set to DENY	525 131 00	52-50 TASK 807
• does not lock with switch set to AUTO	525 141 00	52-50 TASK 804
• does not unlock with switch set to AUTO and correct code in keypad	525 151 00	52-50 TASK 806
• does not unlock with switch set to UNLKD	525 161 00	52-50 TASK 805
• LOCK FAIL light is on	525 171 00	52-50 TASK 809
• unlocks with switch set to DENY	525 181 00	52-50 TASK 807
Flight deck door surveillance system		
• no video at all three camera positions	237 051 00	23-75 TASK 810
• no video at one or two camera positions during daytime conditions	237 052 00	23-75 TASK 811
• no video at one or two camera positions during nighttime conditions	237 053 00	23-75 TASK 812
Flight director		
• display does not move correctly to guide the airplane to the set altitude		
- captain's	221 360 31	22-11 TASK 801
- captain's and first officer's	221 360 48	22-11 TASK 801
- first officer's	221 360 32	22-11 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Flight director (continued)		
● does not operate, FD status does not show on the flight mode annunciator, autopilot not on		
- captain's	221 160 31	22-11 TASK 801
- captain's and first officer's	221 160 48	22-11 TASK 801
- first officer's	221 160 32	22-11 TASK 801
● FD flag shows on flight director display		
- captain's	221 170 31	22-11 TASK 801
- captain's and first officer's	221 170 48	22-11 TASK 801
- first officer's	221 170 32	22-11 TASK 801
● FD status does not show on the flight mode annunciator with F/D on		
- captain's	221 150 31	22-11 TASK 801
- captain's and first officer's	221 150 48	22-11 TASK 801
- first officer's	221 150 32	22-11 TASK 801
● pitch or roll mode does not engage or disengages automatically, flight command display goes out of view		
- captain's	221 210 31	22-11 TASK 801
- captain's and first officer's	221 210 48	22-11 TASK 801
- first officer's	221 210 32	22-11 TASK 801
● TO/GA pitch mode does not show on the flight mode annunciator for takeoff when TO/GA switch is pushed and F/D on		
- captain's	221 190 31	22-11 TASK 801
- captain's and first officer's	221 190 48	22-11 TASK 801
- first officer's	221 190 32	22-11 TASK 801
Flight interphone		
● does not operate		
- all stations	235 030 48	23-51 TASK 803
- captain's	235 030 31	23-51 TASK 804
- first observer's	235 030 33	23-51 TASK 804
- first officer's	235 030 32	23-51 TASK 804
Flight kit light		
● does not come on correctly		
- captain's	331 110 31	33-10 TASK 801
- first officer's	331 110 32	33-10 TASK 801
● does not go off		
- captain's	331 111 31	33-10 TASK 801
- first officer's	331 111 32	33-10 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
FLIGHT LEGS BETWEEN CHANNEL A AND CHANNEL B ARE NOT SYNCHRONIZED shows on Engine BITE Recent Faults page or Fault History page		
- engine 1	730 456 51	73-05 TASK 815
- engine 2	730 456 52	73-05 TASK 815
FLIGHT RECORDER OFF light		
• light on	313 010 00	31-31 TASK 805
FlightVu video surveillance system		
• no video at all three camera positions	237 051 00	23-75 TASK 810
• no video at one or two camera positions during daytime conditions	237 052 00	23-75 TASK 811
• no video at one or two camera positions during nighttime conditions	237 053 00	23-75 TASK 812
Floodlight, control stand		
• does not come on correctly	331 090 00	33-10 TASK 801
• does not go off	331 091 00	33-10 TASK 801
Floodlight, glareshield (AFCS)		
• does not come on correctly	331 070 00	33-10 TASK 801
• does not go off	331 071 00	33-10 TASK 801
Floodlight, oxygen mask		
• does not come on	331 140 00	33-10 TASK 801
Floodlight, panel		
• does not come on correctly		
- captain's	331 080 31	33-10 TASK 801
- center	331 080 43	33-10 TASK 801
- first officer's	331 080 32	33-10 TASK 801
• does not go off		
- captain's	331 081 31	33-10 TASK 801
- center	331 081 43	33-10 TASK 801
- first officer's	331 081 32	33-10 TASK 801
FLT ALT display		
• indication blank	213 090 00	21-31 TASK 813
FLT CONTROL A LOW PRESSURE light		
• light on	270 010 00	27-21 TASK 813
FLT CONTROL B LOW PRESSURE light		
• light on	270 020 00	27-21 TASK 814
FMC DISAGREE message shows on CDU	346 075 00	34-61 TASK 835

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
FMC FAIL light on the CDU		
• light on	346 080 00	34-61 TASK 807
FMC Nav data crossloading problem	346 120 00	34-61 TASK 832
FMC shows in the middle of the CDU display	346 070 00	34-61 TASK 807
FMC software load		
• CHECK DBL OR INTERFACE message shows on CDU	346 290 00	34-61 TASK 812
• CHECK MEDIA message shows on CDU	346 330 00	34-61 TASK 816
• DB EXCEEDS FMC MEMORY message shows on CDU . . .	346 300 00	34-61 TASK 813
• DB-OFP INCOMPATIBLE message shows on CDU	346 320 00	34-61 TASK 815
• INCORRECT DISK INSERTED message shows on CDU . . .	346 340 00	34-61 TASK 817
• RESET COUNT EXCEEDED message shows on CDU	346 310 00	34-61 TASK 814
FOD/Birdstrike		
• in engine, engine had a surge/stall		
- engine 1	710 030 51	71-05 TASK 805
- engine 2	710 030 52	71-05 TASK 805
• in engine, engine parameters normal		
- engine 1	710 010 51	71-05 TASK 801
- engine 2	710 010 52	71-05 TASK 801
• in engine, engine parameters not normal or unknown		
- engine 1	710 020 51	71-05 TASK 801
- engine 2	710 020 52	71-05 TASK 801
• on airframe/area unknown, engine parameters normal . . .	055 130 00	05-51 TASK 804
Fog, high humidity, or ice in cabin	215 010 00	21-51 TASK 801
Foot air outlet		
• does not operate		
- captain's	212 020 31	21-22 TASK 801
- first officer's	212 020 32	21-22 TASK 801
Forward thrust lever		
• difficult to move in forward thrust		
- engine 1	760 020 51	76-05 TASK 802
- engine 2	760 020 52	76-05 TASK 802
• has lost motion, no engine response to thrust lever movement		
- engine 1	760 030 51	76-05 TASK 803
- engine 2	760 030 52	76-05 TASK 803
• jammed in forward thrust (no movement)		
- engine 1	760 025 51	76-05 TASK 804
- engine 2	760 025 52	76-05 TASK 804

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Forward thrust lever (continued)		
• levers not aligned (staggered) for same N1 on both engines	760 010 00	76-05 TASK 801
FQIS BITE INOP message		
• shows on CDU	284 101 00	28-41 TASK 819
Fuel pump LOW PRESSURE light		
• light on		
- center tank, left pump	282 130 43	28-22 TASK 801
- center tank, right pump	282 140 43	28-22 TASK 802
- no. 1 aft fuel pump	282 150 01	28-22 TASK 803
- no. 1 fwd and aft fuel pumps	282 160 01	28-22 TASK 803
- no. 1 fwd fuel pump	282 170 01	28-22 TASK 804
- no. 2 aft fuel pump	282 150 02	28-22 TASK 805
- no. 2 fwd and aft fuel pumps	282 160 02	28-22 TASK 805
- no. 2 fwd fuel pump	282 170 02	28-22 TASK 806
Fuel quantity indication, flight compartment		
• CONFIG message shows	284 022 00	28-41 TASK 820
• error or blank		
- all tanks	284 020 48	28-41 TASK 813
- center tank	284 020 43	28-41 TASK 813
- no. 1 tank	284 020 01	28-41 TASK 813
- no. 2 tank	284 020 02	28-41 TASK 813
• fluctuates or is too high or too low		
- center tank	284 010 43	28-41 TASK 814
- no. 1 tank	284 010 01	28-41 TASK 814
- no. 2 tank	284 010 02	28-41 TASK 814
• IMBAL message shows	284 023 00	28-41 TASK 820
• LOW message shows	284 024 00	28-41 TASK 820
Fuel quantity indicator, refuel panel		
• blank		
- all tanks	282 010 48	28-21 TASK 804
- center tank	282 010 43	28-21 TASK 804
- tank no. 1	282 010 01	28-21 TASK 804
- tank no. 2	282 010 02	28-21 TASK 804
• display is not correct with switch at TEST GAGES		
- all tanks	282 011 48	28-21 TASK 802
- center tank	282 011 43	28-21 TASK 802
- tank no. 1	282 011 01	28-21 TASK 802
- tank no. 2	282 011 02	28-21 TASK 802

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Fuel quantity indicator, refuel panel (continued)		
● flashes		
- center tank	282 015 43	28-21 TASK 816
- tank no. 1	282 015 01	28-21 TASK 816
- tank no. 2	282 015 02	28-21 TASK 816
● shows ARINC error message		
- all tanks	282 013 48	28-21 TASK 817
- center tank	282 013 43	28-21 TASK 817
- tank no. 1	282 013 01	28-21 TASK 817
- tank no. 2	282 013 02	28-21 TASK 817
● shows Ind FAIL		
- all tanks	282 012 48	28-21 TASK 805
- center tank	282 012 43	28-21 TASK 805
- tank no. 1	282 012 01	28-21 TASK 805
- tank no. 2	282 012 02	28-21 TASK 805
Fuel suction feed		
● engine does not continue running the full five minutes during Engine Fuel Suction Feed Operational Test	282 251 00	28-22 TASK 819
Fuel tank		
● boost pump circuit breaker open		
- center tank, left pump	282 301 43	28-22 TASK 817
- center tank, right pump	282 302 43	28-22 TASK 818
- No. 1 tank, aft pump	282 301 01	28-22 TASK 814
- No. 1 tank, forward pump	282 302 01	28-22 TASK 813
- No. 2 tank, aft pump	282 301 02	28-22 TASK 816
- No. 2 tank, forward pump	282 302 02	28-22 TASK 815
Fuel temperature indicator		
● does not operate correctly	284 030 00	28-43 TASK 801
Fuel transfer (migration)		
● Unwanted fuel transfer from a main tank to the center tank	282 100 00	28-21 TASK 803
● Unwanted fuel transfer from the center tank to the No. 1 tank	282 101 00	28-21 TASK 814
● Unwanted fuel transfer from the center tank to the No. 2 tank	282 102 00	28-21 TASK 815
Fuel valve for the APU		
● does not fully open or fully close	493 010 00	49-60 TASK 801
Fumes or smoke in cabin		
● pneumatic power supplied by APU	499 010 00	49-55 TASK 802

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Fumes or smoke in cabin (continued)		
• pneumatic power supplied by engine		
- engine 1	710 300 51	71-05 TASK 807
- engine 2	710 300 52	71-05 TASK 807
FWD cargo fire light		
• light on (false alarm)	261 225 44	26-16 TASK 801
FWD SUPPLY DUCT air temperature indication is not correct . .	216 180 00	21-61 TASK 859
FWD ZONE CABIN air temperature indication is not correct . . .	216 130 00	21-61 TASK 856
G/S flag shows on integrated standby flight display	342 604 00	34-24 TASK 808
G/S flag shows on the EFIS display		
- captain's	343 030 31	34-31 TASK 806
- first officer's	343 030 32	34-31 TASK 807
G/S flag shows on the standby attitude indicator	342 650 00	34-24 TASK 802
Galley faucet leaks or faucet damaged	381 045 00	25-99 TASK 801
Galley service door exterior handle		
• difficult to operate	524 010 00	52-10 TASK 811
GEN OFF BUS and SOURCE OFF lights		
• lights on with IDG 1 and IDG 2 on line		
- no. 1	242 040 01	24-21 TASK 801
- no. 2	242 040 02	24-21 TASK 801
Glareshield (AFCS) Floodlight		
• does not come on correctly	331 070 00	33-10 TASK 801
• does not go off	331 071 00	33-10 TASK 801
Glideslope and localizer pointers		
• do not show, G/S and LOC flags do not show		
- captain's	343 050 31	34-31 TASK 809
- first officer's	343 050 32	34-31 TASK 809
Gloves, fireproof		
• damaged	256 015 00	25-99 TASK 801
• missing	256 010 00	25-99 TASK 801
GLS light on IRS mode select unit		
• comes on when Master Caution pushed	345 413 00	34-31 TASK 822
• stays on continuously	345 412 00	34-31 TASK 821
GPS light on IRS mode select unit		
• comes on when Master Caution pushed	345 411 00	34-58 TASK 802

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GPS light on IRS mode select unit (continued)		
• stays on continuously	345 410 00	34-58 TASK 801
GPS-L data on POS REF display of CDU		
• missing	346 460 00	34-61 TASK 801
GPS-R data on POS REF display		
• missing	346 470 00	34-61 TASK 801
GPWS		
• BITE display is blank	344 420 00	34-46 TASK 821
GPWS INOP light		
• light on	344 410 00	34-46 TASK 801
Ground mode		
• shows with airplane in the air	320 030 00	32-09 TASK 801
Ground proximity		
• MAP/TERR RANGE DISAGREE message shows	344 470 00	34-46 TASK 858
• TERR FAIL message shows	344 450 00	34-46 TASK 856
• TERR POS message shows	344 430 00	34-46 TASK 856
• TERR RANGE DISAGREE message shows	344 460 00	34-46 TASK 857
• terrain display does not show		
- captain's	344 480 31	34-46 TASK 853
- captain's and first officer's	344 480 48	34-46 TASK 853
- first officer's	344 480 32	34-46 TASK 853
GS data on POS REF display of CDU		
• missing	346 480 00	34-61 TASK 801
GYRO flag shows on the standby attitude indicator	342 670 00	34-24 TASK 801
Hand microphone		
• damaged		
- captain's	235 060 31	23-51 TASK 802
- first observer's	235 060 33	23-51 TASK 802
- first officer's	235 060 32	23-51 TASK 802
• does not operate		
- captain's	235 050 31	23-51 TASK 801
- first observer's	235 050 33	23-51 TASK 801
- first officer's	235 050 32	23-51 TASK 801
Handle, assist problem		
- captain's	251 100 31	25-99 TASK 801
- first officer's	251 100 32	25-99 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Hard landing or high drag/side load landing	055 040 00	05-51 TASK 806
HDG flag shows on integrated standby flight display	342 605 00	34-24 TASK 809
HDG flag shows on the radio magnetic indicator	342 410 00	34-22 TASK 801
HDG/TRK flag shows on the EFIS display		
- captain's	342 130 31	34-21 TASK 825
- first officer's	342 130 32	34-21 TASK 826
HEADING window display on the mode control panel		
• does not change with heading selector switch change	221 810 00	22-11 TASK 803
• does not show	221 820 00	22-11 TASK 803
Heading/track display		
• does not show		
- captain's	342 140 31	34-21 TASK 825
- first officer's	342 140 32	34-21 TASK 826
Headphone		
• damaged		
- captain's	235 070 31	23-51 TASK 802
- first observer's	235 070 33	23-51 TASK 802
- first officer's	235 070 32	23-51 TASK 802
- second observer's	235 070 34	23-51 TASK 802
• does not operate		
- captain's	235 040 31	23-51 TASK 801
- first observer's	235 040 33	23-51 TASK 801
- first officer's	235 040 32	23-51 TASK 801
- second observer's	235 040 34	23-51 TASK 801
Headset/boom microphone		
• damaged		
- captain's	235 020 31	23-51 TASK 802
- first officer's	235 020 32	23-51 TASK 802
• does not operate		
- captain's	235 010 31	23-51 TASK 801
- first officer's	235 010 32	23-51 TASK 801
HF 1 radio		
• reception and transmission problem at all stations	231 060 48	23-11 TASK 806
• reception and transmission problem at one station		
- captain's	231 060 31	23-11 TASK 806
- first observer's	231 060 33	23-11 TASK 806
- first officer's	231 060 32	23-11 TASK 806

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
HF 1 radio (continued)		
● reception problem at all stations	231 070 48	23-11 TASK 806
● reception problem at one station		
- captain's	231 070 31	23-11 TASK 806
- first observer's	231 070 33	23-11 TASK 806
- first officer's	231 070 32	23-11 TASK 806
● transmission problem at all stations	231 080 48	23-11 TASK 806
● transmission problem at one station		
- captain's	231 080 31	23-11 TASK 806
- first observer's	231 080 33	23-11 TASK 806
- first officer's	231 080 32	23-11 TASK 806
HF 2 radio		
● reception and transmission problem at all stations	231 180 48	23-11 TASK 806
● reception and transmission problem at one station		
- captain's	231 180 31	23-11 TASK 806
- first observer's	231 180 33	23-11 TASK 806
- first officer's	231 180 32	23-11 TASK 806
● reception problem at all stations	231 190 48	23-11 TASK 806
● reception problem at one station		
- captain's	231 190 31	23-11 TASK 806
- first observer's	231 190 33	23-11 TASK 806
- first officer's	231 190 32	23-11 TASK 806
● transmission problem at all stations	231 200 48	23-11 TASK 806
● transmission problem at one station		
- captain's	231 200 31	23-11 TASK 806
- first observer's	231 200 33	23-11 TASK 806
- first officer's	231 200 32	23-11 TASK 806
Horn, call		
● does not sound	234 340 00	23-43 TASK 801
● operates continuously	234 350 00	23-43 TASK 802
● sounds, ADIRU power problem, ON DC light on		
- left	342 200 41	34-21 TASK 829
- right	342 200 42	34-21 TASK 829
● sounds, equipment cooling problem	342 190 00	34-21 TASK 829
Humidity high, fog, or ice in cabin	215 010 00	21-51 TASK 801
HYD BRAKE PRESS indicator		
● does not operate	324 020 00	32-42 TASK 815
● low/zero with parking brake released	324 010 00	32-42 TASK 814
● low/zero with parking brake set	324 110 00	32-42 TASK 814

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FAULT ISOLATION MANUAL

<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Hydraulic fluid		
• comes out of the reservoir vent line	291 050 00	29-10 TASK 805
• comes out of the reservoir vent line drain mast	291 060 00	29-10 TASK 805
• fluid leakage	291 040 00	29-10 TASK 812
• transfers from system A to system B	291 070 00	29-10 TASK 806
• transfers from system B to system A	291 080 00	29-10 TASK 807
Hydraulic fluid quantity indication		
• does not return to the same level after operation of a "heavy use" system	293 150 00	29-30 TASK 808
• error or blank		
- system A	293 050 00	31-62 TASK 801
- system B	293 060 00	31-62 TASK 801
• flight compartment display and hydraulic reservoir gauge do not read the same		
- system A	293 070 00	31-62 TASK 801
- system B	293 080 00	31-62 TASK 801
• flight compartment display moves erratically or jumps between readings		
- system A	293 110 00	31-62 TASK 801
- system B	293 120 00	31-62 TASK 801
• flight compartment display shows zero, reservoir has hydraulic fluid		
- system A	293 090 00	31-62 TASK 801
- system B	293 100 00	31-62 TASK 801
• shows RF (76%)		
- system A	293 130 00	29-30 TASK 815
- system B	293 140 00	29-30 TASK 815
Hydraulic pressure indication		
• above 3200 psi		
- system A	291 090 00	29-10 TASK 808
- system B	291 100 00	29-10 TASK 809
• below 2800 psi		
- system A	291 110 00	29-10 TASK 810
- system B	291 120 00	29-10 TASK 811
• momentarily below 2900 psi		
- system A	291 131 00	29-10 TASK 813
- system B	291 132 00	29-10 TASK 813
- systems A and B	291 133 00	29-10 TASK 813
• zero		
- system A	293 020 00	29-30 TASK 803
- system B	293 025 00	29-30 TASK 804

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Hydraulic reservoir gauge		
• shows zero or below, reservoir has hydraulic fluid		
- system A	293 160 00	29-30 TASK 808
- system B	293 170 00	29-30 TASK 808
IAS DISAGREE message shows on airspeed display		
- captain's	342 046 31	31-62 TASK 876
- first officer's	342 046 32	31-62 TASK 876
IAS/MACH window display on the mode control panel		
• does not change with selector switch change	221 890 00	22-11 TASK 803
• does not show	221 900 00	22-11 TASK 803
IDG differential pressure indicator		
• extended		
- left	242 121 41	24-11 TASK 803
- right	242 121 42	24-11 TASK 803
ILS		
• audio tone does not occur or is weak		
- captain's	343 070 31	34-31 TASK 811
- first officer's	343 070 32	34-31 TASK 811
• data on NAV STATUS display of CDU shows FAIL	346 500 00	34-61 TASK 801
• frequency shows dashes		
- ILS 1	343 060 01	34-31 TASK 810
- ILS 2	343 060 02	34-31 TASK 810
• test problem when you push the TEST switch on the navigation control panel		
- captain's	343 020 31	34-31 TASK 801
- first officer's	343 020 32	34-31 TASK 801
ILS light on IRS mode select unit		
• comes on when Master Caution pushed	345 415 00	34-31 TASK 820
• stays on continuously	345 414 00	34-31 TASK 819
IMBAL message shows in fuel quantity indication (flight compartment)	284 023 00	28-41 TASK 820
INCORRECT DISK INSERTED message shows on CDU during FMC software load	346 340 00	34-61 TASK 817
Indicator light		
• does not come on correctly	331 010 00	33-10 TASK 801
• does not go off	331 011 00	33-10 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Integrated standby flight display		
• ALT flag shows	342 602 00	34-24 TASK 805
• ATT flag shows	342 603 00	34-24 TASK 806
• attitude display disagrees with primary display; no flag shows	342 611 00	34-24 TASK 814
• display blank	342 601 00	34-24 TASK 804
• G/S flag shows	342 604 00	34-24 TASK 808
• HDG flag shows	342 605 00	34-24 TASK 809
• LOC flag shows	342 606 00	34-24 TASK 808
• OUT OF ORDER flag shows	342 607 00	34-24 TASK 810
• PROGRAM PIN ERROR flag shows	342 608 00	34-24 TASK 811
• SPD flag shows	342 609 00	34-24 TASK 812
• WAIT ATT flag shows	342 610 00	34-24 TASK 807
Interphone, flight		
• does not operate		
- all stations	235 030 48	23-51 TASK 803
- captain's	235 030 31	23-51 TASK 804
- first observer's	235 030 33	23-51 TASK 804
- first officer's	235 030 32	23-51 TASK 804
Interphone, service		
• distorted		
- all jacks	234 030 48	23-41 TASK 803
- jack adjacent to APU	234 120 00	23-41 TASK 802
- jack at aft entry light panel	234 150 00	23-41 TASK 802
- jack at EE rack	234 070 00	23-41 TASK 802
- jack at external power receptacle panel	234 190 00	23-41 TASK 802
- jack at left wheel well	234 230 00	23-41 TASK 802
- jack at right wheel well	234 270 00	23-41 TASK 802
- jack at right wing refueling slat	234 310 00	23-41 TASK 802
- jack in the electronic equipment bay	234 430 00	23-41 TASK 802
• does not connect to flight interphone	234 010 00	23-41 TASK 801

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FAULT ISOLATION MANUAL

<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Interphone, service (continued)		
• does not operate		
- all jacks	234 020 48	23-41 TASK 801
- jack adjacent to APU	234 100 00	23-41 TASK 802
- jack at aft entry light panel	234 140 00	23-41 TASK 802
- jack at EE rack	234 060 00	23-41 TASK 802
- jack at external power receptacle panel	234 180 00	23-41 TASK 802
- jack at left wheel well	234 220 00	23-41 TASK 802
- jack at right wheel well	234 260 00	23-41 TASK 802
- jack at right wing refueling slat	234 300 00	23-41 TASK 802
- jack in the electronic equipment bay	234 410 00	23-41 TASK 802
• intermittent		
- all jacks	234 040 48	23-41 TASK 803
- jack adjacent to APU	234 110 00	23-41 TASK 802
- jack at aft entry light panel	234 160 00	23-41 TASK 802
- jack at EE rack	234 080 00	23-41 TASK 802
- jack at external power receptacle panel	234 200 00	23-41 TASK 802
- jack at left wheel well	234 240 00	23-41 TASK 802
- jack at right wheel well	234 280 00	23-41 TASK 802
- jack at right wing refueling slat	234 320 00	23-41 TASK 802
- jack in the electronic equipment bay	234 420 00	23-41 TASK 802
• volume problem		
- all jacks	234 050 48	23-41 TASK 803
- jack adjacent to APU	234 130 00	23-41 TASK 802
- jack at aft entry light panel	234 170 00	23-41 TASK 802
- jack at EE rack	234 090 00	23-41 TASK 802
- jack at external power receptacle panel	234 210 00	23-41 TASK 802
- jack at left wheel well	234 250 00	23-41 TASK 802
- jack at right wheel well	234 290 00	23-41 TASK 802
- jack at right wing refueling slat	234 330 00	23-41 TASK 802
- jack in the electronic equipment bay	234 440 00	23-41 TASK 802
IRS display unit (ISDU)		
• maintenance code shows in right window when HDG/STS mode selected	342 220 00	34-21 TASK 835
IRS FAULT light		
• light on		
- left	342 070 41	34-21 TASK 803
- right	342 070 42	34-21 TASK 803
IRS mode select unit		
• GLS light comes on when Master Caution pushed	345 413 00	34-31 TASK 822

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FAULT ISOLATION MANUAL

<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
IRS mode select unit (continued)		
• GLS light stays on continuously	345 412 00	34-31 TASK 821
• GPS light comes on when Master Caution pushed	345 411 00	34-58 TASK 802
• GPS light stays on continuously	345 410 00	34-58 TASK 801
• ILS light comes on when Master Caution pushed	345 415 00	34-31 TASK 820
• ILS light stays on continuously	345 414 00	34-31 TASK 819
• ILS, GLS and GPS lights all come on when Master Caution pushed	345 417 00	34-31 TASK 824
• ILS, GLS and GPS lights all stay on continuously	345 416 00	34-31 TASK 823
IRS-L data on POS REF display of CDU is missing	346 440 00	34-61 TASK 801
IRS-R data on POS REF display of CDU		
• missing	346 450 00	34-61 TASK 801
Isolation valve		
• does not operate correctly	361 060 00	36-10 TASK 806
L ALPHA VANE light		
• light on	303 040 00	30-31 TASK 804
L BOTTLE DISCHARGED light		
• light on for the engine fire extinguishing	262 050 00	26-20 TASK 802
L ELV PITOT light		
• light on	303 050 00	30-31 TASK 805
L VALVE OPEN light for WING ANTI-ICE		
• does not come on	301 080 00	30-11 TASK 805
• does not go bright during transition	301 015 41	30-11 TASK 804
• slow to go from bright to dim when switch is moved to ON	301 010 00	30-11 TASK 801
• slow to go from bright to off when switch is moved to OFF	301 020 00	30-11 TASK 802
• stays on bright	301 030 00	30-11 TASK 803
LAND ALT display		
• indication blank	213 100 00	21-31 TASK 814
Landing gear		
• all LEFT GEAR, RIGHT GEAR, and NOSE GEAR red and green lights are on at the same time	326 072 00	32-30 TASK 816
Landing gear lever		
• does not move to the UP position in flight, is free to move to the UP position when the lock override is used	323 010 00	32-30 TASK 813
Landing gear position lights		
• lights not correct	326 010 00	32-09 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Landing gear, main		
• LEFT GEAR green light does not come on with landing gear lever at DN, LEFT GEAR red light on, alternate gear extension was attempted	326 040 41	32-32 TASK 805
• LEFT GEAR green light does not come on with landing gear lever at DN, LEFT GEAR red light on, indications normal after alternate gear extension	326 050 41	32-32 TASK 802
• LEFT GEAR green light does not go off with landing gear lever at UP, LEFT GEAR red light on	326 060 41	32-32 TASK 801
• RIGHT GEAR green light does not come on with landing gear lever at DN, RIGHT GEAR red light on, alternate gear extension was attempted	326 040 42	32-32 TASK 805
• RIGHT GEAR green light does not come on with landing gear lever at DN, RIGHT GEAR red light on, indications normal after alternate gear extension	326 050 42	32-32 TASK 802
• RIGHT GEAR green light does not go off with landing gear lever at UP, RIGHT GEAR red light on	326 060 42	32-32 TASK 801
• slow to extend		
- left	323 090 41	32-32 TASK 804
- left and right	323 090 48	32-32 TASK 803
- right	323 090 42	32-32 TASK 804
• slow to retract		
- left	323 080 41	32-32 TASK 804
- left and right	323 080 48	32-32 TASK 803
- right	323 080 42	32-32 TASK 804
Landing gear, main and nose		
• all gear extends with landing gear lever at OFF, NOSE GEAR, RIGHT GEAR, and LEFT GEAR green lights on . . .	326 070 00	32-30 TASK 809
• does not extend when landing gear lever moved to DN position	326 076 00	32-30 TASK 816
• does not retract when landing gear lever moved to UP position	326 075 00	32-30 TASK 815
Landing gear, nose		
• NOSE GEAR green light does not come on with landing gear lever at DN, NOSE GEAR red light on	326 110 00	32-30 TASK 812
• NOSE GEAR green light does not come on with landing gear lever at DN, NOSE GEAR red light on, alternate gear extension was attempted	326 080 00	32-30 TASK 807
• NOSE GEAR green light does not go off with landing gear lever at UP, NOSE GEAR red light on	326 090 00	32-30 TASK 810
• NOSE GEAR red light on, airplane on ground	323 140 00	32-30 TASK 814
• slow to extend	323 120 00	32-30 TASK 806
• slow to retract	323 130 00	32-30 TASK 806

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Landing light		
● does not come on		
- left fixed	334 030 41	33-40 TASK 801
- left retractable	334 040 41	33-40 TASK 801
- right fixed	334 030 42	33-40 TASK 801
- right retractable	334 040 42	33-40 TASK 801
● does not extend		
- left retractable	334 060 41	33-40 TASK 801
- right retractable	334 060 42	33-40 TASK 801
● does not go off		
- left fixed	334 070 41	33-40 TASK 801
- left retractable	334 080 41	33-40 TASK 801
- right fixed	334 070 42	33-40 TASK 801
- right retractable	334 080 42	33-40 TASK 801
● does not retract		
- left retractable	334 100 41	33-40 TASK 801
- right retractable	334 100 42	33-40 TASK 801
Landing warning horn		
● does not sound	312 030 00	31-51 TASK 815
● sounds (false warning)	312 035 00	31-51 TASK 815
Landing was hard or had high drag/side loads	055 040 00	05-51 TASK 806
Landing with airplane overweight	055 060 00	05-51 TASK 807
LCD segment		
● does not operate correctly	331 060 00	33-10 TASK 801
LE DEVICES		
● FLAPS TRANSIT light stays on		
- 1	278 070 01	27-88 TASK 820
- 2	278 070 02	27-88 TASK 820
- 3	278 070 03	27-88 TASK 820
- 4	278 070 04	27-88 TASK 820

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
LE DEVICES (continued)		
• SLATS TRANSIT light stays on		
- 1	278 080 01	27-88 TASK 820
- 2	278 080 02	27-88 TASK 820
- 3	278 080 03	27-88 TASK 820
- 4	278 080 04	27-88 TASK 820
- 5	278 080 05	27-88 TASK 820
- 6	278 080 06	27-88 TASK 820
- 7	278 080 07	27-88 TASK 820
- 8	278 080 08	27-88 TASK 820
Leading edge flaps		
• droops too much with hydraulic pressure off	278 010 00	27-81 TASK 801
• TRANSIT light stays on		
- 1	278 070 01	27-88 TASK 820
- 2	278 070 02	27-88 TASK 820
- 3	278 070 03	27-88 TASK 820
- 4	278 070 04	27-88 TASK 820
Leading edge flaps and slats		
• do not extend during alternate system operation	278 020 00	27-81 TASK 802
• do not extend during normal system operation	278 030 00	27-81 TASK 803
• do not retract	278 040 00	27-81 TASK 803
• one or more leading edge surfaces operate slowly	278 050 00	27-81 TASK 805
Leading edge slats		
• TRANSIT light stays on		
- 1	278 080 01	27-88 TASK 820
- 2	278 080 02	27-88 TASK 820
- 3	278 080 03	27-88 TASK 820
- 4	278 080 04	27-88 TASK 820
- 5	278 080 05	27-88 TASK 820
- 6	278 080 06	27-88 TASK 820
- 7	278 080 07	27-88 TASK 820
- 8	278 080 08	27-88 TASK 820
LEFT GEAR red light		
• light on, LEFT GEAR green light does not come on with landing gear lever at DN, alternate gear extension was attempted	326 040 41	32-32 TASK 805
• light on, LEFT GEAR green light does not come on with landing gear lever at DN, indications normal after alternate gear extension	326 050 41	32-32 TASK 802

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
LEFT GEAR red light (continued)		
light on, LEFT GEAR green light does not go off with landing gear lever at UP	326 060 41	32-32 TASK 801
Life vest		
- missing/damaged - captain's - first observer's - first officer's - second observer's	256 050 31 256 050 33 256 050 32 256 050 34	25-99 TASK 801 25-99 TASK 801 25-99 TASK 801 25-99 TASK 801
Light, accessory compartment		
- does not come on - does not go off	333 050 00 333 051 00	33-30 TASK 801 33-30 TASK 801
Light, air conditioning compartment		
- does not come on - left - right - does not go off - left - right	333 030 41 333 030 42 333 031 41 333 031 42	33-30 TASK 801 33-30 TASK 801 33-30 TASK 801 33-30 TASK 801
Light, airstair tread		
- does not come on - does not go off	334 290 00 334 291 00	33-40 TASK 801 33-40 TASK 801
Light, anti-collision		
- does not come on correctly - left wing - lower - right wing - tail - upper - does not go off - lower - upper	334 230 41 334 270 47 334 230 42 334 240 00 334 270 46 334 280 47 334 280 46	33-44 TASK 801 33-44 TASK 801 33-44 TASK 801 33-44 TASK 801 33-44 TASK 801 33-44 TASK 801 33-44 TASK 801
Light, anti-collision (strobe)		
- does not go off - left wing - right wing - tail	334 250 41 334 250 42 334 260 00	33-44 TASK 801 33-44 TASK 801 33-44 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Light, APU service		
• does not come on	333 060 00	33-30 TASK 801
• does not go off	333 061 00	33-30 TASK 801
Light, cargo compartment		
• does not come on		
- aft	333 080 45	33-30 TASK 801
- forward	333 080 44	33-30 TASK 801
• does not go off		
- aft	333 081 45	33-30 TASK 801
- forward	333 081 44	33-30 TASK 801
Light, chart		
• does not come on correctly		
- captain's	331 150 31	33-10 TASK 801
- first officer's	331 150 32	33-10 TASK 801
• does not go off		
- captain's	331 151 31	33-10 TASK 801
- first officer's	331 151 32	33-10 TASK 801
Light, circuit breaker panel		
• does not come on	331 040 00	33-10 TASK 801
• does not go off	331 041 00	33-10 TASK 801
Light, control stand flood		
• does not come on correctly	331 090 00	33-10 TASK 801
• does not go off	331 091 00	33-10 TASK 801
Light, dome		
• does not come on correctly	331 050 00	33-10 TASK 801
• does not go off	331 051 00	33-10 TASK 801
Light, electronic equipment compartment		
• does not come on	333 040 00	33-30 TASK 801
• does not go off	333 041 00	33-30 TASK 801
Light, emergency slide/overwing		
• does not come on		
- left	335 020 41	33-50 TASK 801
- right	335 020 42	33-50 TASK 801
• does not go off		
- left	335 010 41	33-50 TASK 801
- right	335 010 42	33-50 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Light, flight kit		
• does not come on correctly		
- captain's	331 110 31	33-10 TASK 801
- first officer's	331 110 32	33-10 TASK 801
• does not go off		
- captain's	331 111 31	33-10 TASK 801
- first officer's	331 111 32	33-10 TASK 801
Light, glareshield (AFCS) flood		
• does not come on correctly	331 070 00	33-10 TASK 801
• does not go off	331 071 00	33-10 TASK 801
Light, indicator		
• does not come on correctly	331 010 00	33-10 TASK 801
• does not go off	331 011 00	33-10 TASK 801
Light, landing		
• does not come on		
- left fixed	334 030 41	33-40 TASK 801
- left retractable	334 040 41	33-40 TASK 801
- right fixed	334 030 42	33-40 TASK 801
- right retractable	334 040 42	33-40 TASK 801
• does not extend		
- left retractable	334 060 41	33-40 TASK 801
- right retractable	334 060 42	33-40 TASK 801
• does not go off		
- left fixed	334 070 41	33-40 TASK 801
- left retractable	334 080 41	33-40 TASK 801
- right fixed	334 070 42	33-40 TASK 801
- right retractable	334 080 42	33-40 TASK 801
• does not retract		
- left retractable	334 100 41	33-40 TASK 801
- right retractable	334 100 42	33-40 TASK 801
Light, logo		
• does not come on		
- left	334 340 41	33-40 TASK 801
- right	334 340 42	33-40 TASK 801
• does not go off		
- left	334 350 41	33-40 TASK 801
- right	334 350 42	33-40 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Light, map		
• does not come on correctly		
- captain's	331 120 31	33-10 TASK 801
- first officer's	331 120 32	33-10 TASK 801
• does not go off		
- captain's	331 121 31	33-10 TASK 801
- first officer's	331 121 32	33-10 TASK 801
Light, observer's reading		
• does not come on correctly	331 130 00	33-10 TASK 801
• does not go off	331 131 00	33-10 TASK 801
Light, oxygen mask flood		
• does not come on	331 140 00	33-10 TASK 801
Light, panel flood		
• does not come on correctly		
- captain's	331 080 31	33-10 TASK 801
- center	331 080 43	33-10 TASK 801
- first officer's	331 080 32	33-10 TASK 801
• does not go off		
- captain's	331 081 31	33-10 TASK 801
- center	331 081 43	33-10 TASK 801
- first officer's	331 081 32	33-10 TASK 801
Light, position (NAV)		
• does not come on		
- left wing aft	334 120 41	33-40 TASK 801
- left wing forward	334 110 41	33-40 TASK 801
- right wing aft	334 120 42	33-40 TASK 801
- right wing forward	334 130 42	33-40 TASK 801
• does not go off		
- left wing aft	334 200 41	33-40 TASK 801
- left wing forward	334 190 41	33-40 TASK 801
- right wing aft	334 200 42	33-40 TASK 801
- right wing forward	334 210 42	33-40 TASK 801
Light, runway turnoff		
• does not come on		
- left	334 300 41	33-40 TASK 801
- right	334 300 42	33-40 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Light, runway turnoff (continued)		
• does not go off		
- left	334 310 41	33-40 TASK 801
- right	334 310 42	33-40 TASK 801
Light, tailcone		
• does not come on	333 070 00	33-30 TASK 801
• does not go off	333 071 00	33-30 TASK 801
Light, taxi		
• does not come on	334 320 00	33-40 TASK 801
• does not go off	334 330 00	33-40 TASK 801
Light, wheel well		
• does not come on		
- main landing gear	333 010 00	33-30 TASK 801
- nose landing gear	333 020 00	33-30 TASK 801
• does not go off		
- main landing gear	333 011 00	33-30 TASK 801
- nose landing gear	333 021 00	33-30 TASK 801
Light, wing illumination		
• does not come on		
- left	334 010 41	33-40 TASK 801
- right	334 010 42	33-40 TASK 801
• does not go off		
- left	334 020 41	33-40 TASK 801
- right	334 020 42	33-40 TASK 801
Lighted pushbutton switch		
• does not come on correctly	331 020 00	33-10 TASK 801
• does not go off	331 021 00	33-10 TASK 801
Lightning strike	055 010 00	05-51 TASK 801
Lightplate		
• does not come on	331 030 00	33-10 TASK 801
• does not go off	331 031 00	33-10 TASK 801
LOC flag shows on integrated standby flight display	342 606 00	34-24 TASK 808
LOC flag shows on the EFIS display		
- captain's	343 010 31	34-31 TASK 806
- first officer's	343 010 32	34-31 TASK 807
LOC flag shows on the standby attitude indicator	342 660 00	34-24 TASK 802

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Localizer and glideslope pointers		
- do not show, LOC and G/S flags do not show - captain's 343 050 31 34-31 TASK 809 - first officer's 343 050 32 34-31 TASK 809		
Logo light		
- does not come on - left 334 340 41 33-40 TASK 801 - right 334 340 42 33-40 TASK 801 - does not go off - left 334 350 41 33-40 TASK 801 - right 334 350 42 33-40 TASK 801		
LOW message shows in fuel quantity indication (flight compartment)	284 024 00	28-41 TASK 820
LOW OIL PRESSURE light for the APU		
- light on, APU had a protective shutdown 492 060 00 49-60 TASK 801 - light on, APU operates with no protective shutdown 492 030 00 49-15 TASK 802		
LOW OIL PRESSURE message for the engine		
- message shows, oil pressure low (amber) - engine 1 790 046 51 79-05 TASK 806 - engine 2 790 046 52 79-05 TASK 806 - message shows, oil pressure low or zero (red) - engine 1 790 045 51 79-05 TASK 803 - engine 2 790 045 52 79-05 TASK 803		
LOW PRESSURE light for ELEC 1 hydraulic pump		
light on 293 190 00 29-30 TASK 810		
LOW PRESSURE light for ELEC 2 hydraulic pump		
light on 293 200 00 29-30 TASK 811		
LOW PRESSURE light for ENG 1 hydraulic pump		
- light off when the electric motor-driven pump is operated - ENG 1 hydraulic pump 291 010 51 29-10 TASK 801 - light on 293 210 51 29-30 TASK 812		
LOW PRESSURE light for ENG 2 hydraulic pump		
- light off when the electric motor-driven pump is operated - ENG 2 hydraulic pump 291 010 52 29-10 TASK 802 - light on 293 210 52 29-30 TASK 813		
LOW PRESSURE light for FLT CONTROL A		
light on 270 010 00 27-21 TASK 813		

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
LOW PRESSURE light for FLT CONTROL B		
• light on	270 020 00	27-21 TASK 814
LOW PRESSURE light for STBY HYD		
• light on	293 220 00	29-30 TASK 814
LOW PRESSURE light for the fuel pump		
• light on		
- center tank, left pump	282 130 43	28-22 TASK 801
- center tank, right pump	282 140 43	28-22 TASK 802
- no. 1 aft fuel pump	282 150 01	28-22 TASK 803
- no. 1 fwd and aft fuel pumps	282 160 01	28-22 TASK 803
- no. 1 fwd fuel pump	282 170 01	28-22 TASK 804
- no. 2 aft fuel pump	282 150 02	28-22 TASK 805
- no. 2 fwd and aft fuel pumps	282 160 02	28-22 TASK 805
- no. 2 fwd fuel pump	282 170 02	28-22 TASK 806
LOW QUANTITY light for STANDBY HYD		
• light on	293 180 00	29-30 TASK 809
Mach airspeed warning		
• does not sound when MACH AIRSPEED WARNING TEST switch is pushed		
- NO 1	341 030 01	34-16 TASK 801
- NO 2	341 030 02	34-16 TASK 801
MACH TRIM FAIL light		
• light on	221 030 00	22-11 TASK 801
• light on when MASTER CAUTION switch is pushed	221 040 00	22-11 TASK 801
MAIN cargo fire light		
• light on (false alarm)	261 225 00	26-16 TASK 801
Main landing gear		
• LEFT GEAR green light does not come on with landing gear lever at DN, LEFT GEAR red light on, alternate gear extension was attempted	326 040 41	32-32 TASK 805
• LEFT GEAR green light does not come on with landing gear lever at DN, LEFT GEAR red light on, indications normal after alternate gear extension	326 050 41	32-32 TASK 802
• LEFT GEAR green light does not go off with landing gear lever at UP, LEFT GEAR red light on	326 060 41	32-32 TASK 801
• RIGHT GEAR green light does not come on with landing gear lever at DN, RIGHT GEAR red light on, alternate gear extension was attempted	326 040 42	32-32 TASK 805

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Main landing gear (continued)		
RIGHT GEAR green light does not come on with landing gear lever at DN, RIGHT GEAR red light on, indications normal after alternate gear extension	326 050 42	32-32 TASK 802
RIGHT GEAR green light does not go off with landing gear lever at UP, RIGHT GEAR red light on	326 060 42	32-32 TASK 801
- slow to extend - left - left and right - right	323 090 41 323 090 48 323 090 42	32-32 TASK 804 32-32 TASK 803 32-32 TASK 804
- slow to retract - left - left and right - right	323 080 41 323 080 48 323 080 42	32-32 TASK 804 32-32 TASK 803 32-32 TASK 804
MAINT light for the APU		
light on	492 070 00	49-60 TASK 801
Maintenance code shows in right window of IRS display unit when HDG/STS mode selected	342 220 00	34-21 TASK 835
Manual mode control of aft outflow valve		
does not operate	213 030 00	21-31 TASK 811
MANUAL VALVE indicator		
does not operate, pointer does not move	213 110 00	21-31 TASK 812
MAP flag shows on CDS		
- captain's - first officer's	346 090 31 346 090 32	34-61 TASK 801 34-61 TASK 801
Map light		
- does not come on correctly - captain's - first officer's - does not go off - captain's - first officer's	331 120 31 331 120 32 331 121 31 331 121 32	33-10 TASK 801 33-10 TASK 801 33-10 TASK 801 33-10 TASK 801
MAP RANGE DISAGREE message shows		
- captain's - first officer's	346 100 31 346 100 32	34-61 TASK 830 34-61 TASK 830

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
MAP/TERR RANGE DISAGREE message shows	344 470 00	34-46 TASK 858
MAP/WXR RANGE DISAGREE message shows		
- captain's	344 020 31	34-43 TASK 810
- first officer's	344 020 32	34-43 TASK 811
Marker beacon		
• audio tone does not occur or is weak when passing marker, indications are normal	343 110 00	34-32 TASK 801
• FT does not show on the display when you push the TEST switch on the navigation control panel	343 150 00	34-32 TASK 803
• indication does not show on the display when passing marker, audio tone does not occur or is weak	343 120 00	34-32 TASK 802
• indication does not show on the display when passing marker, audio tone is normal	343 130 00	34-32 TASK 803
• test problem when you push the TEST switch on the navigation control panel	343 140 00	34-51 TASK 801
MASTER CAUTION light		
• light does not come on during test	315 101 00	31-52 TASK 801
Master dim and test system		
• does not operate correctly	331 160 00	33-10 TASK 801
Microphone, boom/headset		
• damaged		
- captain's	235 020 31	23-51 TASK 802
- first officer's	235 020 32	23-51 TASK 802
• does not operate		
- captain's	235 010 31	23-51 TASK 801
- first officer's	235 010 32	23-51 TASK 801
Microphone, hand		
• damaged		
- captain's	235 060 31	23-51 TASK 802
- first observer's	235 060 33	23-51 TASK 802
- first officer's	235 060 32	23-51 TASK 802
• does not operate		
- captain's	235 050 31	23-51 TASK 801
- first observer's	235 050 33	23-51 TASK 801
- first officer's	235 050 32	23-51 TASK 801
Mode control panel		
• ALTITUDE window display does not change with altitude selector switch change	221 770 00	22-11 TASK 803
• ALTITUDE window display does not show	221 780 00	22-11 TASK 803

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Mode control panel (continued)		
● COURSE window display does not change with course selector switch change - captain's - first officer's ● COURSE window display does not show - captain's - first officer's ● HEADING window display does not change with heading selector switch change ● HEADING window display does not show ● IAS/MACH window display does not change with selector switch change ● IAS/MACH window display does not show ● lower switch light does not come on for all mode switches ● one of the switch lights does not come on for one mode switch ● upper switch light does not come on for all mode switches ● VERT SPEED window display does not change with vertical speed selector change ● VERT SPEED window display does not show	221 790 31 221 790 32 221 800 31 221 800 32 221 810 00 221 820 00 221 890 00 221 900 00 221 860 00 221 870 00 221 880 00 221 830 00 221 840 00	22-11 TASK 803 22-11 TASK 803 22-11 TASK 803 22-11 TASK 803 22-11 TASK 803 22-11 TASK 803 22-11 TASK 803 22-11 TASK 803 22-11 TASK 803 22-11 TASK 803 22-11 TASK 803 22-11 TASK 803
MODEL/ENG DATA INVALID message shows on the CDU	346 380 00	34-61 TASK 819
MSG light on the CDU		
● does not come on - captain's - first officer's	346 270 31 346 270 32	34-61 TASK 810 34-61 TASK 810
Multi-mode receiver		
● does not respond when TEST button pushed	343 330 00	34-31 TASK 818
N1 overspeed		
● over limit in reverse thrust, write maximum N1 - engine 1 - engine 2 ● over redline in forward thrust - engine 1 - engine 2	710 080 51 710 080 52 710 060 51 710 060 52	71-06 TASK 803 71-06 TASK 803 71-06 TASK 801 71-06 TASK 801
N1, N2, EGT, and FF indications		
● read low or fluctuate - engine 1 - engine 2	710 130 51 710 130 52	73-06 TASK 809 73-06 TASK 809

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
N2 overspeed		
- engine 1	710 070 51	71-06 TASK 802
- engine 2	710 070 52	71-06 TASK 802
Nacelle or strut dragged or damaged		
- engine 1	055 100 51	05-51 TASK 811
- engine 2	055 100 52	05-51 TASK 811
NAV DATA OUT OF DATE message shows on CDU	346 160 00	34-61 TASK 808
Navigation control panel		
• panel problem	343 040 00	34-31 TASK 808
• test failed DME		
- captain's	345 210 31	34-55 TASK 801
- first officer's	345 210 32	34-55 TASK 801
• test failed VOR		
- captain's	345 020 31	34-51 TASK 801
- first officer's	345 020 32	34-51 TASK 801
• test fails ILS		
- captain's	343 020 31	34-31 TASK 801
- first officer's	343 020 32	34-31 TASK 801
• test fails marker beacon	343 140 00	34-51 TASK 801
Neutral shift		
• does not operate correctly	273 080 00	27-31 TASK 807
NLND3 LCH shows in DFCS BITE FAULT HISTORY	221 203 00	22-11 TASK 801
NO ALND LCH shows in DFCS BITE FAULT HISTORY	221 204 00	22-11 TASK 801
NO AUTOLAND shows on the engine display	221 201 00	22-11 TASK 801
No faults occurred during the flight leg	999 999 99	31-98 TASK 801
NO LAND 3 shows on the engine display	221 202 00	22-11 TASK 801
Noise, pounding heard through air distribution system	215 015 00	21-51 TASK 802
Noise, sharp, from APU exhaust during main engine start	492 160 00	49-55 TASK 808
NOSE GEAR red light		
• light on, airplane on ground	323 140 00	32-30 TASK 814
• light on, NOSE GEAR green light does not come on with landing gear lever at DN	326 110 00	32-30 TASK 812
• light on, NOSE GEAR green light does not come on with landing gear lever at DN, alternate gear extension was attempted	326 080 00	32-30 TASK 807

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
NOSE GEAR red light (continued)		
• light on, NOSE GEAR green light does not go off with landing gear lever at UP	326 090 00	32-30 TASK 810
• light on, NOSE GEAR green light off with landing gear lever at UP	326 115 00	32-30 TASK 811
Nose landing gear		
• NOSE GEAR green light does not come on with landing gear lever at DN, NOSE GEAR red light on	326 110 00	32-30 TASK 812
• NOSE GEAR green light does not come on with landing gear lever at DN, NOSE GEAR red light on, alternate gear extension was attempted	326 080 00	32-30 TASK 807
• NOSE GEAR green light does not go off with landing gear lever at UP, NOSE GEAR red light on	326 090 00	32-30 TASK 810
• NOSE GEAR green light off with landing gear lever at UP, NOSE GEAR red light on	326 115 00	32-30 TASK 811
• NOSE GEAR red light on, airplane on ground	323 140 00	32-30 TASK 814
• slow to extend	323 120 00	32-30 TASK 806
• slow to retract	323 130 00	32-30 TASK 806
Nose rudder trim		
• does not operate		
- left	272 010 41	27-21 TASK 801
- left and right	272 010 48	27-21 TASK 803
- right	272 010 42	27-21 TASK 802
Nose wheel		
• makes a loud noise in the wheel well	325 010 00	32-51 TASK 801
• strut bottoms during taxi	325 020 00	32-51 TASK 802
• vibrates at gear retraction	325 030 00	32-51 TASK 803
• vibrates at landing	325 040 00	32-51 TASK 804
• vibrates at takeoff	325 050 00	32-51 TASK 804
• vibrates during taxi	325 045 00	32-51 TASK 804
Observer's reading light		
• does not come on correctly	331 130 00	33-10 TASK 801
• does not go off	331 131 00	33-10 TASK 801
OFF light for the EQUIP COOLING EXHAUST		
• light on with switch at ALTERNATE	212 080 00	21-27 TASK 805
• light on with switch at NORMAL	212 090 00	21-27 TASK 806
OFF light for the EQUIP COOLING SUPPLY		
• light on with switch at ALTERNATE	212 100 00	21-27 TASK 807
• light on with switch at NORMAL	212 110 00	21-27 TASK 808

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
OFST light on the CDU		
• does not come on		
- captain's	346 280 31	34-61 TASK 810
- first officer's	346 280 32	34-61 TASK 810
OIL FILTER BYPASS message		
• message did not show during the EEC test		
- engine 1	790 120 51	79-05 TASK 818
- engine 2	790 120 52	79-05 TASK 818
• message shows		
- engine 1	790 110 51	79-05 TASK 817
- engine 2	790 110 52	79-05 TASK 817
ON light for WINDOW HEAT		
• does not come on		
- L FWD	304 030 41	30-41 TASK 801
- L SIDE	304 040 41	30-41 TASK 801
- R FWD	304 030 42	30-41 TASK 801
- R side	304 040 42	30-41 TASK 801
OP PROGRAM INVALID shows in the middle of the CDU display	346 260 00	34-61 TASK 811
OUT OF ORDER flag shows on integrated standby flight display	342 607 00	34-24 TASK 810
Outflow valve position indicator		
• does not operate, pointer does not move	213 110 00	21-31 TASK 812
Outflow valve, aft		
• does not operate in manual mode	213 030 00	21-31 TASK 811
Outlet in flight compartment for PC power		
• status LED at outlet does not operate normally		
- captain's	251 681 31	23-82 TASK 801
- first officer's	251 681 32	23-82 TASK 801
OVER SPEED light for the APU		
• light on during APU shutdown	492 080 00	49-60 TASK 801
• light on, APU had a protective shutdown	492 090 00	49-60 TASK 801
• light on, APU operates with no protective shutdown	492 040 00	49-15 TASK 803
OVERHEAT light for ELEC 1 hydraulic pump		
• light on	293 030 00	29-30 TASK 805
OVERHEAT light for ELEC 2 hydraulic pump		
• light on	293 040 00	29-30 TASK 806

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
OVERHEAT light for WINDOW HEAT		
• light on		
- L FWD	304 010 41	30-41 TASK 801
- L SIDE	304 020 41	30-41 TASK 801
- R FWD	304 010 42	30-41 TASK 801
- R SIDE	304 020 42	30-41 TASK 801
Overspeed		
• with flaps/slats extended	055 090 00	05-51 TASK 810
• with landing gear down	055 080 00	05-51 TASK 809
Overspeed, severe turbulence, stall, or buffet	055 070 00	05-51 TASK 808
Overweight landing	055 060 00	05-51 TASK 807
Overwing/emergency slide light		
• does not come on		
- left	335 020 41	33-50 TASK 801
- right	335 020 42	33-50 TASK 801
• does not go off		
- left	335 010 41	33-50 TASK 801
- right	335 010 42	33-50 TASK 801
OVHT/FIRE TEST		
• test failed, warning lights and alarm do not operate		
- APU	261 070 00	26-10 TASK 801
- engine 1	261 030 51	26-10 TASK 801
- engine 2	261 030 52	26-10 TASK 801
- wheel well	261 100 00	26-18 TASK 801
Oxygen mask floodlight		
• does not come on	331 140 00	33-10 TASK 801
Oxygen mask, flight crew		
• damaged		
- captain's	351 050 31	35-12 TASK 805
- first officer's	351 050 32	35-12 TASK 805
- observer's	351 050 33	35-12 TASK 805
• difficult to release from stowage		
- captain's	351 060 31	35-12 TASK 806
- first observer's	351 060 33	35-12 TASK 806
- first officer's	351 060 32	35-12 TASK 806

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Oxygen mask, flight crew (continued)		
● harness fails to deflate		
- captain's	351 070 31	35-12 TASK 805
- first observer's	351 070 33	35-12 TASK 805
- first officer's	351 070 32	35-12 TASK 805
● harness fails to inflate		
- captain's	351 080 31	35-12 TASK 805
- first observer's	351 080 33	35-12 TASK 805
- first officer's	351 080 32	35-12 TASK 805
● harness leaking		
- captain's	351 090 31	35-12 TASK 805
- first observer's	351 090 33	35-12 TASK 805
- first officer's	351 090 32	35-12 TASK 805
● hose problem		
- captain's	351 100 31	35-12 TASK 805
- first officer's	351 100 32	35-12 TASK 805
- observer's	351 100 33	35-12 TASK 805
● panel (door, pin, etc.) damaged		
- captain's	351 110 31	35-12 TASK 807
- first officer's	351 110 32	35-12 TASK 807
- observer's	351 110 33	35-12 TASK 807
Oxygen masks, passenger		
● all masks do not drop when PASS OXYGEN switch manually set to ON	352 030 00	35-22 TASK 803
● PASS OXY ON light does not come on during automatic oxygen system deployment	352 050 00	35-22 TASK 806
● PASS OXY ON light does not come on during manual oxygen system deployment	352 040 00	35-22 TASK 805
Oxygen regulator operation		
● difficult to exhale		
- captain's	351 120 31	35-12 TASK 805
- first observer's	351 120 33	35-12 TASK 805
- first officer's	351 120 32	35-12 TASK 805
● leaking		
- captain's	351 130 31	35-12 TASK 805
- first observer's	351 130 33	35-12 TASK 805
- first officer's	351 130 32	35-12 TASK 805
● no pressure breathing available		
- captain's	351 140 31	35-12 TASK 805
- first observer's	351 140 33	35-12 TASK 805
- first officer's	351 140 32	35-12 TASK 805

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
P MODE FAIL shows in DFCS BITE FAULT HISTORY	221 205 00	22-11 TASK 801
PA system		
- distorted from flight compartment	233 020 00	23-31 TASK 801
- does not operate from flight compartment	233 010 00	23-31 TASK 801
- intermittent from flight compartment	233 030 00	23-31 TASK 801
- volume problem from flight compartment	233 040 00	23-31 TASK 802
Pack airflow/temperature diagnostics tool		
• tool shows pack airflow is too low or too high	215 350 00	21-52 TASK 857
• tool shows pack outlet temperature is too cold or too hot . .	215 351 00	21-52 TASK 856
PACK light		
• comes on unexpectedly during master caution recall	216 224 00	21-62 TASK 848
• light on at cruise, light comes on again after reset		
- left	215 230 41	21-53 TASK 813
- right	215 230 42	21-53 TASK 814
• light on at cruise, light stays off after reset		
- left	215 220 41	21-53 TASK 809
- right	215 220 42	21-53 TASK 810
• light on during approach, light comes on again after reset		
- left	215 260 41	21-53 TASK 815
- right	215 260 42	21-53 TASK 816
• light on during approach, light stays off after reset		
- left	215 250 41	21-53 TASK 807
- right	215 250 42	21-53 TASK 808
• light on during climb, light comes on again after reset		
- left	215 290 41	21-53 TASK 817
- right	215 290 42	21-53 TASK 818
• light on during climb, light stays off after reset		
- left	215 280 41	21-53 TASK 805
- right	215 280 42	21-53 TASK 806
• light on on ground, light comes on again after reset		
- left	215 320 41	21-53 TASK 811
- right	215 320 42	21-53 TASK 812
• light on on ground, light stays off after reset		
- left	215 310 41	21-53 TASK 803
- right	215 310 42	21-53 TASK 804
• light on, cannot reset		
- left	215 240 41	21-53 TASK 801
- right	215 240 42	21-53 TASK 802

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
PACK TRIP OFF light		
● light on at cruise, light comes on again after reset		
- left	215 030 41	21-52 TASK 830
- right	215 030 42	21-52 TASK 831
● light on at cruise, light stays off after reset		
- left	215 020 41	21-52 TASK 824
- right	215 020 42	21-52 TASK 825
● light on during approach, light comes on again after reset		
- left	215 060 41	21-52 TASK 832
- right	215 060 42	21-52 TASK 833
● light on during approach, light stays off after reset		
- left	215 050 41	21-52 TASK 822
- right	215 050 42	21-52 TASK 823
● light on during climb, light comes on again after reset		
- left	215 090 41	21-52 TASK 834
- right	215 090 42	21-52 TASK 835
● light on during climb, light stays off after reset		
- left	215 080 41	21-52 TASK 820
- right	215 080 42	21-52 TASK 821
● light on on ground, light comes on again after reset		
- left	215 120 41	21-52 TASK 828
- right	215 120 42	21-52 TASK 829
● light on on ground, light stays off after reset		
- left	215 110 41	21-52 TASK 818
- right	215 110 42	21-52 TASK 819
● light on, cannot reset		
- left	215 040 41	21-52 TASK 816
- right	215 040 42	21-52 TASK 817
PACK, L air temperature indication not correct	215 060 00	21-61 TASK 854
PACK, R air temperature indication not correct	215 070 00	21-61 TASK 855
Panel floodlight		
● does not come on correctly		
- captain's	331 080 31	33-10 TASK 801
- center	331 080 43	33-10 TASK 801
- first officer's	331 080 32	33-10 TASK 801
● does not go off		
- captain's	331 081 31	33-10 TASK 801
- center	331 081 43	33-10 TASK 801
- first officer's	331 081 32	33-10 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Panel light, circuit breaker		
• does not come on	331 040 00	33-10 TASK 801
• does not go off	331 041 00	33-10 TASK 801
Parking brake		
• lever does not release	324 120 00	32-42 TASK 818
• lever does not set	324 130 00	32-42 TASK 818
• warning light does not operate		
- external power receptacle panel	324 145 00	32-42 TASK 830
- flight compartment	324 140 00	32-42 TASK 819
PASS CABIN air mix valve indicator		
• does not operate, pointer does not move, temperature is OK	216 020 00	21-61 TASK 841
PASS CABIN air temperature indication		
• not correct	216 190 00	21-61 TASK 843
PASS OXY ON light		
• light does not come on during automatic oxygen system deployment	352 050 00	35-22 TASK 806
• light does not come on during manual oxygen system deployment	352 040 00	35-22 TASK 805
• light on, all masks dropped automatically, switch was not moved, cabin pressure was normal	352 010 00	35-22 TASK 801
• light on, all masks failed to drop automatically, masks dropped after PASS OXY switch was moved	352 020 00	35-22 TASK 802
Passenger address system		
- distorted from flight compartment	233 020 00	23-31 TASK 801
- does not operate from flight compartment	233 010 00	23-31 TASK 801
- intermittent from flight compartment	233 030 00	23-31 TASK 801
- volume problem from flight compartment	233 040 00	23-31 TASK 802
Passenger oxygen masks		
• all masks do not drop when PASS OXYGEN switch manually set to ON	352 030 00	35-22 TASK 803
PC power system for flight deck		
• status LED at outlet does not operate normally		
- captain's	251 681 31	23-82 TASK 801
- first officer's	251 681 32	23-82 TASK 801
Pilot call system		
• call light does not come on, attendant to flight compartment	234 380 00	23-42 TASK 801
• call light does not come on, ground crew to flight compartment	234 370 00	23-43 TASK 804
• chime does not sound in the flight compartment	234 390 00	23-42 TASK 804

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Pilot call system (continued)		
• does not operate, flight compartment to attendant	234 400 00	23-42 TASK 802
• does not operate, ground crew to flight compartment	234 360 00	23-43 TASK 803
Pitch control		
• too sensitive in control wheel steering mode (airplane overreacts to column input)	273 090 00	27-31 TASK 811
PITCH message shows on the attitude display		
- captain's	342 020 31	34-21 TASK 825
- first officer's	342 020 32	34-21 TASK 826
Pitch oscillation (porpoising)		
• during autopilot multi-channel approach	221 310 00	22-16 TASK 801
• with any autopilot engaged in CMD	221 320 00	22-16 TASK 801
Pitch up or pitch down of airplane too much	273 100 00	27-31 TASK 808
Pitot probe		
• does not get hot	303 060 00	30-31 TASK 806
POS SHIFT page of CDU shows large IRS drift	342 225 00	34-21 TASK 836
Position (NAV) light		
• does not come on		
- left wing aft	334 120 41	33-40 TASK 801
- left wing forward	334 110 41	33-40 TASK 801
- right wing aft	334 120 42	33-40 TASK 801
- right wing forward	334 130 42	33-40 TASK 801
• does not go off		
- left wing aft	334 200 41	33-40 TASK 801
- left wing forward	334 190 41	33-40 TASK 801
- right wing aft	334 200 42	33-40 TASK 801
- right wing forward	334 210 42	33-40 TASK 801
Potable water		
• auxiliary tank (40-gallon) leaks	381 042 00	25-99 TASK 801
• main tank (60-gallon) leaks	381 041 00	25-99 TASK 801
• system does not pressurize	381 020 00	38-10 TASK 803
• tank does not fill	381 030 00	38-10 TASK 801
• tank leaks	381 040 00	38-10 TASK 802
Pressurization		
• aft outflow valve does not operate in manual mode	213 030 00	21-31 TASK 811
• AUTO FAIL and ALTN light on, AUTO FAIL light goes off when pressurization mode selector switch is at ALTN	213 010 00	21-31 TASK 801

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Pressurization (continued)		
• AUTO FAIL light on, ALTN light not on	213 020 00	21-31 TASK 801
• cannot keep the correct cabin pressure	213 050 00	21-31 TASK 801
Printer (flight deck)		
• FAIL light is on	313 202 00	31-33 TASK 802
Probe heater indicator lights		
• do not come on when PITOT STATIC HEAT switches are OFF	303 070 00	30-31 TASK 807
PROGRAM PIN ERROR flag shows on integrated standby flight display	342 608 00	34-24 TASK 811
PROGRAM PIN ERROR message shows on the CDU	346 390 00	34-61 TASK 820
PROGRAM PIN NOT IN DB message shows on the CDU	346 400 00	34-61 TASK 821
PSEU		
• BITE display is blank	320 040 00	32-09 TASK 811
PSEU light		
• light does not come on during test	320 060 00	33-10 TASK 801
• light on	320 050 00	32-09 TASK 801
PTU		
• does not operate	292 040 00	29-20 TASK 804
Pushbutton switch, lighted		
• does not come on correctly	331 020 00	33-10 TASK 801
• does not go off	331 021 00	33-10 TASK 801
PWS FAIL message shows	344 010 00	34-43 TASK 815
R ALPHA VANE light		
• light on	303 080 00	30-31 TASK 808
R BOTTLE DISCHARGED light		
• light on for the engine fire extinguishing	262 060 00	26-20 TASK 802
R ELV PITOT light		
• light on	303 090 00	30-31 TASK 809
R MODE FAIL shows in DFCS BITE FAULT HISTORY	221 206 00	22-11 TASK 801
R VALVE OPEN light for WING ANTI-ICE		
• does not come on	301 090 00	30-11 TASK 805
• does not go bright during transition	301 015 42	30-11 TASK 804
• slow to go from bright to dim when switch is moved to ON	301 050 00	30-11 TASK 801
• slow to go from bright to off when switch is moved to OFF .	301 060 00	30-11 TASK 802
• stays on bright	301 070 00	30-11 TASK 803

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RA flag shows on the display		
- captain's	343 210 31	34-33 TASK 801
- first officer's	343 210 32	34-33 TASK 801
Radio altimeter		
• display does not show, RA flag does not show		
- captain's	343 220 31	34-33 TASK 805
- first officer's	343 220 32	34-33 TASK 805
Radio magnetic indicator		
• ADF flag shows	342 430 00	34-22 TASK 803
• HDG flag shows	342 410 00	34-22 TASK 801
• VOR flag shows	342 440 00	34-22 TASK 802
Radio tuning panel problem		
- captain's	231 300 31	23-12 TASK 815
- first observer's	231 300 33	23-12 TASK 815
- first officer's	231 300 32	23-12 TASK 815
Radio, HF 1		
• reception and transmission problem at all stations	231 060 48	23-11 TASK 806
• reception and transmission problem at one station		
- captain's	231 060 31	23-11 TASK 806
- first observer's	231 060 33	23-11 TASK 806
- first officer's	231 060 32	23-11 TASK 806
• reception problem at all stations	231 070 48	23-11 TASK 806
• reception problem at one station		
- captain's	231 070 31	23-11 TASK 806
- first observer's	231 070 33	23-11 TASK 806
- first officer's	231 070 32	23-11 TASK 806
• transmission problem at all stations	231 080 48	23-11 TASK 806
• transmission problem at one station		
- captain's	231 080 31	23-11 TASK 806
- first observer's	231 080 33	23-11 TASK 806
- first officer's	231 080 32	23-11 TASK 806
Radio, HF 2		
• reception and transmission problem at all stations	231 180 48	23-11 TASK 806
• reception and transmission problem at one station		
- captain's	231 180 31	23-11 TASK 806
- first observer's	231 180 33	23-11 TASK 806
- first officer's	231 180 32	23-11 TASK 806
• reception problem at all stations	231 190 48	23-11 TASK 806

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Radio, HF 2 (continued)		
● reception problem at one station		
- captain's	231 190 31	23-11 TASK 806
- first observer's	231 190 33	23-11 TASK 806
- first officer's	231 190 32	23-11 TASK 806
● transmission problem at all stations	231 200 48	23-11 TASK 806
● transmission problem at one station		
- captain's	231 200 31	23-11 TASK 806
- first observer's	231 200 33	23-11 TASK 806
- first officer's	231 200 32	23-11 TASK 806
Radio, VHF 1		
● reception and transmission problem at all stations	231 310 48	23-12 TASK 816
● reception and transmission problem at one station		
- captain's	231 310 31	23-12 TASK 816
- first observer's	231 310 33	23-12 TASK 816
- first officer's	231 310 32	23-12 TASK 816
● reception problem at all stations	231 320 48	23-12 TASK 816
● reception problem at one station		
- captain's	231 320 31	23-12 TASK 816
- first observer's	231 320 33	23-12 TASK 816
- first officer's	231 320 32	23-12 TASK 816
● transmission problem at all stations	231 330 48	23-12 TASK 816
● transmission problem at one station		
- captain's	231 330 31	23-12 TASK 816
- first observer's	231 330 33	23-12 TASK 816
- first officer's	231 330 32	23-12 TASK 816
Radio, VHF 2		
● reception and transmission problem at all stations	231 430 48	23-12 TASK 816
● reception and transmission problem at one station		
- captain's	231 430 31	23-12 TASK 816
- first observer's	231 430 33	23-12 TASK 816
- first officer's	231 430 32	23-12 TASK 816
● reception problem at all stations	231 440 48	23-12 TASK 816
● reception problem at one station		
- captain's	231 440 31	23-12 TASK 816
- first observer's	231 440 33	23-12 TASK 816
- first officer's	231 440 32	23-12 TASK 816
● transmission problem at all stations	231 450 48	23-12 TASK 816

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Radio, VHF 2 (continued)		
• transmission problem at one station		
- captain's	231 450 31	23-12 TASK 816
- first observer's	231 450 33	23-12 TASK 816
- first officer's	231 450 32	23-12 TASK 816
Radio, VHF 3		
• reception and transmission problem at all stations	231 550 48	23-12 TASK 816
• reception and transmission problem at one station		
- captain's	231 550 31	23-12 TASK 816
- first observer's	231 550 33	23-12 TASK 816
- first officer's	231 550 32	23-12 TASK 816
• reception problem at all stations	231 560 48	23-12 TASK 816
• reception problem at one station		
- captain's	231 560 31	23-12 TASK 816
- first observer's	231 560 33	23-12 TASK 816
- first officer's	231 560 32	23-12 TASK 816
• transmission problem at all stations	231 570 48	23-12 TASK 816
• transmission problem at one station		
- captain's	231 570 31	23-12 TASK 816
- first observer's	231 570 33	23-12 TASK 816
- first officer's	231 570 32	23-12 TASK 816
RAM DOOR FULL OPEN light		
• light is not on, airplane on the ground	215 140 00	21-51 TASK 804
• light stays on, airplane in the air	215 160 00	21-51 TASK 803
Reading light, observer's		
• does not come on correctly	331 130 00	33-10 TASK 801
• does not go off	331 131 00	33-10 TASK 801
Recirculation fan (dual-fan system)		
• does not operate		
- left	212 040 41	21-25 TASK 802
- right	212 040 42	21-25 TASK 802
Recirculation fan (single-fan system)		
• does not operate	212 040 00	21-25 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Refuel quantity indicator		
● blank		
- all tanks	282 010 48	28-21 TASK 804
- center tank	282 010 43	28-21 TASK 804
- tank no. 1	282 010 01	28-21 TASK 804
- tank no. 2	282 010 02	28-21 TASK 804
● display is not correct with switch at TEST GAGES		
- all tanks	282 011 48	28-21 TASK 802
- center tank	282 011 43	28-21 TASK 802
- tank no. 1	282 011 01	28-21 TASK 802
- tank no. 2	282 011 02	28-21 TASK 802
● flashes		
- center tank	282 015 43	28-21 TASK 816
- tank no. 1	282 015 01	28-21 TASK 816
- tank no. 2	282 015 02	28-21 TASK 816
● shows ARINC error message		
- all tanks	282 013 48	28-21 TASK 817
- center tank	282 013 43	28-21 TASK 817
- tank no. 1	282 013 01	28-21 TASK 817
- tank no. 2	282 013 02	28-21 TASK 817
● shows Ind FAIL		
- all tanks	282 012 48	28-21 TASK 805
- center tank	282 012 43	28-21 TASK 805
- tank no. 1	282 012 01	28-21 TASK 805
- tank no. 2	282 012 02	28-21 TASK 805
Refuel valve light		
● light does not come on with valves selected open and refueling manifold pressurized		
- all tanks	282 030 48	28-21 TASK 807
- center tank	282 030 43	28-21 TASK 807
● light does not go off after pressing the press-to-test switch		
- all tanks	282 020 48	28-21 TASK 806
- center tank	282 020 43	28-21 TASK 806
- tank no. 1	282 020 01	28-21 TASK 806
- tank no. 2	282 020 02	28-21 TASK 806
Refuel valve position indicator light does not come on with valves selected open and refueling manifold pressurized		
- tank no. 1	282 030 01	28-21 TASK 807
- tank no. 2	282 030 02	28-21 TASK 807

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Refueling		
• all refueling is prevented	282 040 00	28-21 TASK 808
• fuel spill at surge tank	282 050 00	28-21 TASK 801
• valve does not close with switch at CLOSED		
- all tanks	282 070 48	28-21 TASK 806
- center tank	282 070 43	28-21 TASK 806
- tank no. 1	282 070 01	28-21 TASK 806
- tank no. 2	282 070 02	28-21 TASK 806
Refueling panel light		
• light does not come on with ground power on the airplane	282 080 00	28-21 TASK 810
RESET COUNT EXCEEDED message shows on CDU during FMC software load		
	346 310 00	34-61 TASK 814
RESYNC FAIL, SINGLE FMC OP/SINGLE FMC OP message shows on CDU		
	346 180 00	34-61 TASK 832
Reverse thrust lever		
• difficult to move in reverse thrust		
- engine 1	760 060 51	76-05 TASK 805
- engine 2	760 060 52	76-05 TASK 805
• has lost motion, no engine response to thrust lever movement, thrust reverser operation is normal		
- engine 1	760 080 51	76-05 TASK 806
- engine 2	760 080 52	76-05 TASK 806
• has lost motion, no thrust reverser operation		
- engine 1	760 070 51	76-05 TASK 807
- engine 2	760 070 52	76-05 TASK 807
• jammed in reverse thrust (no movement)		
- engine 1	760 065 51	76-05 TASK 808
- engine 2	760 065 52	76-05 TASK 808
REVERSER light		
• light on, thrust reverser operation normal		
- engine 1	780 020 51	78-34 TASK 801
- engine 2	780 020 52	78-34 TASK 801
RIGHT GEAR red light		
• light on, RIGHT GEAR green light does not come on with landing gear lever at DN, alternate gear extension was attempted	326 040 42	32-32 TASK 805
• light on, RIGHT GEAR green light does not come on with landing gear lever at DN, indications normal after alternate gear extension	326 050 42	32-32 TASK 802

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
RIGHT GEAR red light (continued)		
light on, RIGHT GEAR green light does not go off with landing gear lever at UP	326 060 42	32-32 TASK 801
ROLL message shows on the attitude display		
- captain's - first officer's	342 030 31 342 030 32	34-21 TASK 825 34-21 TASK 826
Rudder		
- does not move correctly - does not move freely - STBY RUD ON light is on - surface has excessive play	272 040 00 272 050 00 272 070 00 272 060 00	27-21 TASK 806 27-21 TASK 807 27-21 TASK 817 27-21 TASK 808
Rudder pedal steering		
- does not operate, tiller steering normal - does not steer straight	325 060 00 325 061 00	32-51 TASK 805 32-51 TASK 810
Rudder pedals		
- adjustment crank does not move freely - captain's - first officer's - adjustment crank turns but rudder pedals do not move - captain's - first officer's - do not move freely - captain's - first officer's - kick back during flight	272 070 31 272 070 32 272 080 31 272 080 32 272 090 31 272 090 32 272 092 00	27-21 TASK 809 27-21 TASK 809 27-21 TASK 810 27-21 TASK 810 27-21 TASK 811 27-21 TASK 811 27-21 TASK 816
Rudder trim		
- nose left and nose right does not operate - nose left does not operate - nose right does not operate	272 010 48 272 010 41 272 010 42	27-21 TASK 803 27-21 TASK 801 27-21 TASK 802
RUDDER TRIM indicator		
- does not operate correctly - light not on	272 020 00 272 030 00	27-21 TASK 804 27-21 TASK 805
Runway turnoff light		
- does not come on - left - right	334 300 41 334 300 42	33-40 TASK 801 33-40 TASK 801

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Runway turnoff light (continued)		
• does not go off		
- left	334 310 41	33-40 TASK 801
- right	334 310 42	33-40 TASK 801
SCANNIN DME FAIL message shows on the CDU	346 350 00	34-61 TASK 801
Seat		
• horizontal adjustment problem		
- captain's	251 020 31	25-99 TASK 801
- first officer's	251 020 32	25-99 TASK 801
• lumbar adjustment problem		
- captain's	251 030 31	25-99 TASK 801
- first officer's	251 030 32	25-99 TASK 801
• recline adjustment problem		
- captain's	251 040 31	25-99 TASK 801
- first officer's	251 040 32	25-99 TASK 801
• vertical adjustment problem		
- captain's	251 050 31	25-99 TASK 801
- first officer's	251 050 32	25-99 TASK 801
Seat arm rest problem		
- captain's	251 060 31	25-99 TASK 801
- first officer's	251 060 32	25-99 TASK 801
Seat belt problem		
- captain's	251 070 31	25-99 TASK 801
- first observer's	251 070 33	25-99 TASK 801
- first officer's	251 070 32	25-99 TASK 801
- second observer's	251 070 34	25-99 TASK 801
Seat track		
• does not move freely		
- captain's	251 080 31	25-99 TASK 801
- first officer's	251 080 32	25-99 TASK 801
Seizure of engine		
- engine 1	055 120 51	05-51 TASK 811
- engine 2	055 120 52	05-51 TASK 811
SELCAL		
• call light does not come on for calls on HF 1	232 080 00	23-28 TASK 802
• call light does not come on for calls on HF 2	232 090 00	23-28 TASK 802
• call light does not come on for calls on VHF 1	232 100 00	23-28 TASK 802
• call light does not come on for calls on VHF 2	232 110 00	23-28 TASK 802

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SELCAL (continued)		
• call light does not come on for calls on VHF 3	232 120 00	23-28 TASK 802
• call switch does not reset for HF 1, PTT reset OK	232 020 00	23-28 TASK 801
• call switch does not reset for HF 2, PTT reset OK	232 030 00	23-28 TASK 801
• call switch does not reset for VHF 1, PTT reset OK	232 040 00	23-28 TASK 801
• call switch does not reset for VHF 2, PTT reset OK	232 050 00	23-28 TASK 801
• call switch does not reset for VHF 3, PTT reset OK	232 060 00	23-28 TASK 801
• chime does not operate for calls on HF 1, SELCAL call light comes on	232 140 00	23-28 TASK 803
• chime does not operate for calls on HF 2, SELCAL call light comes on	232 150 00	23-28 TASK 803
• chime does not operate for calls on VHF 1, SELCAL call light comes on	232 160 00	23-28 TASK 803
• chime does not operate for calls on VHF 2, SELCAL call light comes on	232 170 00	23-28 TASK 803
• chime does not operate for calls on VHF 3, SELCAL call light comes on	232 180 00	23-28 TASK 803
• does not operate for any radio	232 250 00	23-28 TASK 804
• does not operate for HF 1	232 200 00	23-28 TASK 804
• does not operate for HF 2	232 210 00	23-28 TASK 804
• does not operate for VHF 1	232 220 00	23-28 TASK 804
• does not operate for VHF 2	232 230 00	23-28 TASK 804
• does not operate for VHF 3	232 240 00	23-28 TASK 804
Service interphone		
• distorted		
- all jacks	234 030 48	23-41 TASK 803
- jack adjacent to APU	234 120 00	23-41 TASK 802
- jack at aft entry light panel	234 150 00	23-41 TASK 802
- jack at EE rack	234 070 00	23-41 TASK 802
- jack at external power receptacle panel	234 190 00	23-41 TASK 802
- jack at left wheel well	234 230 00	23-41 TASK 802
- jack at right wheel well	234 270 00	23-41 TASK 802
- jack at right wing refueling slat	234 310 00	23-41 TASK 802
- jack in the electronic equipment bay	234 430 00	23-41 TASK 802
• does not connect to flight interphone	234 010 00	23-41 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Service interphone (continued)		
• does not operate		
- all jacks	234 020 48	23-41 TASK 801
- jack adjacent to APU	234 100 00	23-41 TASK 802
- jack at aft entry light panel	234 140 00	23-41 TASK 802
- jack at EE rack	234 060 00	23-41 TASK 802
- jack at external power receptacle panel	234 180 00	23-41 TASK 802
- jack at left wheel well	234 220 00	23-41 TASK 802
- jack at right wheel well	234 260 00	23-41 TASK 802
- jack at right wing refueling slat	234 300 00	23-41 TASK 802
- jack in the electronic equipment bay	234 410 00	23-41 TASK 802
• intermittent		
- all jacks	234 040 48	23-41 TASK 803
- jack adjacent to APU	234 110 00	23-41 TASK 802
- jack at aft entry light panel	234 160 00	23-41 TASK 802
- jack at EE rack	234 080 00	23-41 TASK 802
- jack at external power receptacle panel	234 200 00	23-41 TASK 802
- jack at left wheel well	234 240 00	23-41 TASK 802
- jack at right wheel well	234 280 00	23-41 TASK 802
- jack at right wing refueling slat	234 320 00	23-41 TASK 802
- jack in the electronic equipment bay	234 420 00	23-41 TASK 802
• volume problem		
- all jacks	234 050 48	23-41 TASK 803
- jack adjacent to APU	234 130 00	23-41 TASK 802
- jack at aft entry light panel	234 170 00	23-41 TASK 802
- jack at EE rack	234 090 00	23-41 TASK 802
- jack at external power receptacle panel	234 210 00	23-41 TASK 802
- jack at left wheel well	234 250 00	23-41 TASK 802
- jack at right wheel well	234 290 00	23-41 TASK 802
- jack at right wing refueling slat	234 330 00	23-41 TASK 802
- jack in the electronic equipment bay	234 440 00	23-41 TASK 802
Shaker, control column		
• does not operate during test	273 110 00	27-32 TASK 801
Shoulder harness		
• does not extend or retract		
- captain's	251 090 31	25-99 TASK 801
- first observer's	251 090 33	25-99 TASK 801
- first officer's	251 090 32	25-99 TASK 801
SINGLE FMC OPERATION message shows on the CDU	346 370 00	34-61 TASK 807

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Slats, leading edge		
● TRANSIT light stays on		
- 1	278 080 01	27-88 TASK 820
- 2	278 080 02	27-88 TASK 820
- 3	278 080 03	27-88 TASK 820
- 4	278 080 04	27-88 TASK 820
- 5	278 080 05	27-88 TASK 820
- 6	278 080 06	27-88 TASK 820
- 7	278 080 07	27-88 TASK 820
- 8	278 080 08	27-88 TASK 820
Smoke		
● does not stop with recirculation fans off, isolation valve closed, and both pack switches at off		
- flight compartment	210 070 00	21-00 TASK 803
- flight compartment and passenger cabin	210 080 00	21-00 TASK 803
- passenger cabin	210 090 00	21-00 TASK 803
● stops with recirculation fan(s) off		
- flight compartment	212 050 00	21-00 TASK 804
- flight compartment and passenger cabin	212 060 00	21-00 TASK 804
- passenger cabin	212 070 00	21-00 TASK 804
● stops with recirculation fan(s) off, isolation valve closed, and right pack switch at off		
- flight compartment and passenger cabin	210 020 00	21-00 TASK 801
- passenger cabin	210 030 00	21-00 TASK 801
● stops with recirculation fan(s) off, isolation valve closed, right pack switch in auto, and left pack switch off		
- flight compartment	210 040 00	21-00 TASK 802
- flight compartment and passenger cabin	210 050 00	21-00 TASK 802
- passenger cabin	210 060 00	21-00 TASK 802
Smoke goggles		
● missing		
- captain's	256 060 31	25-99 TASK 801
- first officer's	256 060 32	25-99 TASK 801
Smoke or flame in APU exhaust	492 150 00	49-55 TASK 801
Smoke or fumes in cabin		
● pneumatic power supplied by APU	499 010 00	49-55 TASK 802
● pneumatic power supplied by engine		
- engine 1	710 300 51	71-05 TASK 807
- engine 2	710 300 52	71-05 TASK 807
● source unknown	210 671 00	21-00 TASK 806

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
SOURCE OFF and GEN OFF BUS lights		
• lights on with IDG 1 and IDG 2 on line		
- no. 1	242 040 01	24-21 TASK 801
- no. 2	242 040 02	24-21 TASK 801
SOURCE OFF and TRANSFER BUS OFF lights		
• lights on with GRD PWR switch at ON		
- no. 1	244 010 01	24-41 TASK 801
- no. 1 and no. 2	244 010 48	24-41 TASK 801
- no. 2	244 010 02	24-41 TASK 801
• lights on with the APU generator on line		
- no. 1	242 060 01	24-21 TASK 801
- no. 2	242 060 02	24-21 TASK 801
SPAR VALVE CLOSED light		
• does not come on when the valve is in transit		
- engine 1	282 240 51	28-22 TASK 811
- engine 2	282 240 52	28-22 TASK 812
• slow to go from bright to dim when start lever moved to CUTOFF		
- engine 1	282 180 51	28-22 TASK 809
- engine 2	282 180 52	28-22 TASK 810
• slow to go from bright to off when start lever moved to IDLE		
- engine 1	282 190 51	28-22 TASK 809
- engine 2	282 190 52	28-22 TASK 810
• stays on bright when start lever moved to CUTOFF		
- engine 1	282 200 51	28-22 TASK 809
- engine 2	282 200 52	28-22 TASK 810
• stays on bright when start lever moved to IDLE		
- engine 1	282 210 51	28-22 TASK 809
- engine 2	282 210 52	28-22 TASK 810
Spare bulb kit		
• needs replenishing	251 110 00	25-99 TASK 801
SPD flag shows on integrated standby flight display	342 609 00	34-24 TASK 812
SPD flag shows on the EFIS display		
- captain's	342 040 31	34-21 TASK 827
- first officer's	342 040 32	34-21 TASK 828
SPD LIM shows		
- captain's	273 160 31	27-32 TASK 831
- first officer's	273 160 32	27-32 TASK 833

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
SPDTRM LCH shows in DFCS BITE FAULT HISTORY	221 207 00	22-11 TASK 801
Speaker in the flight compartment		
• does not operate		
- captain's	235 080 31	23-51 TASK 805
- first officer's	235 080 32	23-51 TASK 806
Speed brake		
• auto extend does not operate	276 040 00	27-62 TASK 804
• auto retract does not operate	276 050 00	27-62 TASK 805
• chatters	276 060 00	27-62 TASK 806
• flight detent does not operate	276 070 00	27-61 TASK 802
• lever does not move freely	276 080 00	27-62 TASK 807
SPEED BRAKE ARMED light		
• does not operate	276 020 00	27-62 TASK 803
SPEED BRAKE DO NOT ARM light		
• light on	276 030 00	27-62 TASK 802
SPEED TRIM FAIL light		
• light on	221 050 00	22-11 TASK 801
SPEED TRIM FAIL light on		
• light on when MASTER CAUTION switch is pushed	221 060 00	22-11 TASK 801
SPEEDBRAKES EXTENDED light		
• light on with airplane on the ground	276 035 00	27-62 TASK 814
Spoilers		
• do not move in one direction	276 110 00	27-61 TASK 804
• flight spoilers do not operate	276 090 00	27-61 TASK 802
• ground spoilers do not operate	276 100 00	27-61 TASK 803
• spoiler panel(s) float	276 010 00	27-61 TASK 801
STAB OUT OF TRIM light		
• light on	221 070 00	22-11 TASK 801
Stabilizer		
• control cable tension repeatedly checks low	274 010 00	27-41 TASK 801
• fails to trim		
- nose down	274 020 00	27-41 TASK 802
- nose up	274 030 00	27-41 TASK 803
- nose up and nose down	274 040 00	27-41 TASK 804
• too much play in stabilizer surface	274 060 00	27-41 TASK 813

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Stabilizer trim		
• does not hold position in flight	274 130 00	27-41 TASK 812
• does not move freely	274 070 00	27-41 TASK 805
• moves with slow speed only	274 080 00	27-41 TASK 810
• unscheduled nose up		
- autopilot engaged in CMD A	221 910 00	22-11 TASK 801
- autopilot engaged in CMD A or CMD B	221 930 00	22-11 TASK 801
- autopilot engaged in CMD B	221 920 00	22-11 TASK 801
• wheel coasts more than 2.5 turns (flaps down)	274 120 00	27-41 TASK 811
Stabilizer trim switches		
• do not operate trim down		
- captain's	274 160 31	27-41 TASK 806
- first officer's	274 160 32	27-41 TASK 808
• do not operate trim up		
- captain's	274 150 31	27-41 TASK 806
- first officer's	274 150 32	27-41 TASK 808
• do not operate trim up and trim down		
- captain's	274 170 31	27-41 TASK 807
- first officer's	274 170 32	27-41 TASK 809
Stall, turbulence, buffet, or overspeed	055 070 00	05-51 TASK 808
Standby airspeed indicator problem	341 020 00	34-13 TASK 802
Standby altimeter problem	341 010 00	34-13 TASK 801
Standby attitude indicator		
• G/S flag shows	342 650 00	34-24 TASK 802
• glideslope deviation pointer out of view	342 630 00	34-24 TASK 802
• GYRO flag shows	342 670 00	34-24 TASK 801
• LOC flag shows	342 660 00	34-24 TASK 802
• localizer deviation pointer out of view	342 620 00	34-24 TASK 802
Standby compass light		
I • does not come on	331 100 00	34-23 TASK 802
I • does not go off	331 101 00	34-23 TASK 802
Standby flight display, integrated (ISFD)		
• ALT flag shows	342 602 00	34-24 TASK 805
• ATT flag shows	342 603 00	34-24 TASK 806
• attitude display disagrees with primary display; no flag shows	342 611 00	34-24 TASK 814
• display blank	342 601 00	34-24 TASK 804
• G/S flag shows	342 604 00	34-24 TASK 808

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Standby flight display, integrated (ISFD) (continued)		
• HDG flag shows	342 605 00	34-24 TASK 809
• LOC flag shows	342 606 00	34-24 TASK 808
• OUT OF ORDER flag shows	342 607 00	34-24 TASK 810
• PROGRAM PIN ERROR flag shows	342 608 00	34-24 TASK 811
• SPD flag shows	342 609 00	34-24 TASK 812
• WAIT ATT flag shows	342 610 00	34-24 TASK 807
STANDBY HYD LOW PRESSURE light		
• light on	293 220 00	29-30 TASK 814
STANDBY HYD LOW QUANTITY light		
• light on	293 180 00	29-30 TASK 809
Standby hydraulic pump		
• does not operate	292 010 00	29-20 TASK 801
Standby magnetic compass error	342 510 00	34-23 TASK 801
STANDBY PWR OFF light		
• light on with AC power supplied and STANDBY POWER switch at AUTO or BAT	243 010 00	24-34 TASK 803
• light on with BAT switch at ON and STANDBY POWER switch at AUTO or BAT	243 020 00	24-34 TASK 803
STBY RUD ON light		
• light is on	272 070 00	27-21 TASK 817
Strobe light, anti-collision		
• does not go off		
- left wing	334 250 41	33-44 TASK 801
- right wing	334 250 42	33-44 TASK 801
- tail	334 260 00	33-44 TASK 801
Strut or nacelle dragged or damaged		
- engine 1	055 100 51	05-51 TASK 811
- engine 2	055 100 52	05-51 TASK 811
Sun visor problem		
- captain's	251 120 31	25-99 TASK 801
- first officer's	251 120 32	25-99 TASK 801
SUPPLY DUCT air temperature indication		
• not correct	216 160 00	21-61 TASK 842

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Surge of APU during main engine start	492 160 00	49-55 TASK 808
Switch, lighted pushbutton		
• does not come on correctly	331 020 00	33-10 TASK 801
• does not go off	331 021 00	33-10 TASK 801
Tail dragged	055 110 00	05-51 TASK 812
Tailcone light		
• does not come on	333 070 00	33-30 TASK 801
• does not go off	333 071 00	33-30 TASK 801
Takeoff warning horn		
• does not sound	312 010 00	31-51 TASK 803
• sounds (false warning)	312 015 00	31-51 TASK 803
TAS data		
• does not show on the navigation display		
- captain's	342 120 31	34-21 TASK 827
- first officer's	342 120 32	34-21 TASK 828
TAT data		
• does not show on the engine display	342 050 00	34-21 TASK 813
Taxi light		
• does not come on	334 320 00	33-40 TASK 801
• does not go off	334 330 00	33-40 TASK 801
TCAS		
• display blank		
- captain's	344 310 31	34-45 TASK 817
- captain's and first officer's	344 310 48	34-45 TASK 817
- first officer's	344 310 32	34-45 TASK 817
• intruder symbol stays directly in front of the airplane symbol on the navigation display	344 350 00	34-45 TASK 814
• intruder symbols do not show on the navigation display	344 380 00	34-45 TASK 814
• intruder symbols show when the airplane is on the ground	344 320 00	34-45 TASK 820
• navigation display shows TCAS OFF with the control panel selector switch at TA	344 330 00	34-45 TASK 815
• navigation display shows TCAS OFF with the control panel selector switch at TA/RA	344 340 00	34-45 TASK 815
• system test does not start when the TEST switch is pushed	344 390 00	34-45 TASK 819
• system test problem	344 395 00	34-45 TASK 818
• voice annunciation (aural) problem	344 360 00	34-45 TASK 816

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
TCAS FAIL flag on navigation display		
• shows with ATC transponder selector at TA and does not show with selector at TA/RA	344 371 00	34-45 TASK 821
• shows with ATC transponder selector at TA and shows with selector at TA/RA	344 370 00	34-45 TASK 821
• shows with ATC transponder selector at TA/RA and does not show with selector at TA	344 372 00	34-45 TASK 823
TCAS OFF shows on the navigation display		
• with the control panel selector switch at TA	344 330 00	34-45 TASK 815
• with the control panel selector switch at TA/RA	344 340 00	34-45 TASK 815
TEMP PROBE light		
• light on	303 100 00	30-31 TASK 810
Temperature		
• too cold, cannot make warmer in AUTO and MANUAL mode, air mix valve does not move to HOT		
- CONT CABIN	216 460 00	21-61 TASK 845
- PASS CABIN	216 470 00	21-61 TASK 847
• too cold, cannot make warmer in AUTO mode, OK in MANUAL mode		
- CONT CABIN	216 420 00	21-61 TASK 801
- PASS CABIN	216 430 00	21-61 TASK 801
• too hot, cannot make cooler in AUTO and MANUAL mode, air mix valve does not move to COLD		
- CONT CABIN	216 440 00	21-61 TASK 844
- PASS CABIN	216 450 00	21-61 TASK 846
• too hot, cannot make cooler in AUTO mode, OK in MANUAL mode		
- CONT CABIN	216 400 00	21-61 TASK 801
- PASS CABIN	216 410 00	21-61 TASK 801
Temperature control		
• AUTO control does not operate		
- AFT CAB	216 050 00	21-61 TASK 863
- CONT CAB	216 040 00	21-61 TASK 861
- FWD CAB	216 060 00	21-61 TASK 864
- PASS CABIN	216 070 00	21-61 TASK 862
• cannot cool cabins, all temperature selectors set to full cold	216 510 00	21-62 TASK 849

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Temperature indication not correct		
- air temperature selector at AFT SUPPLY DUCT	216 170 00	21-61 TASK 860
- air temperature selector at AFT ZONE CABIN	216 120 00	21-61 TASK 857
- air temperature selector at CONT CAB SUPPLY DUCT	216 140 00	21-61 TASK 858
- air temperature selector at FWD SUPPLY DUCT	216 180 00	21-61 TASK 859
- air temperature selector at FWD ZONE CABIN	216 130 00	21-61 TASK 856
- air temperature selector at PACK L	215 060 00	21-61 TASK 854
- air temperature selector at PACK R	215 070 00	21-61 TASK 855
- air temperature selector at PASS CABIN	216 190 00	21-61 TASK 843
- air temperature selector at SUPPLY DUCT	216 160 00	21-61 TASK 842
TERR FAIL message shows	344 450 00	34-46 TASK 856
TERR POS message shows	344 430 00	34-46 TASK 856
TERR RANGE DISAGREE message shows	344 460 00	34-46 TASK 857
Terrain display for ground proximity		
• does not show		
- captain's	344 480 31	34-46 TASK 853
- captain's and first officer's	344 480 48	34-46 TASK 853
- first officer's	344 480 32	34-46 TASK 853
Throttle resolver angle indication		
• blank during BITE interactive range check	223 210 00	22-32 TASK 813
Thrust lever		
• does not go to full rated N1 when TO/GA switch is pushed a second time during go-around		
- engine 1	223 070 51	22-32 TASK 804
- engine 1 and engine 2	223 070 48	22-32 TASK 804
- engine 2	223 070 52	22-32 TASK 804
• does not go to reduced N1 when TO/GA switch is pushed one time during go-around		
- engine 1	223 080 51	22-32 TASK 804
- engine 1 and engine 2	223 080 48	22-32 TASK 804
- engine 2	223 080 52	22-32 TASK 804
• does not move back with autothrottle in RETARD mode		
- engine 1	223 100 51	22-32 TASK 802
- engine 1 and engine 2	223 100 48	22-32 TASK 802
- engine 2	223 100 52	22-32 TASK 802

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Thrust lever (continued)		
• does not move forward when TO/GA switch is pushed		
- engine 1	223 060 51	22-32 TASK 804
- engine 1 and engine 2	223 060 48	22-32 TASK 804
- engine 2	223 060 52	22-32 TASK 804
• levers not aligned (staggered) for same N1 on both engines	760 010 00	76-05 TASK 801
• split, OK with autothrottle disengaged	223 180 00	22-32 TASK 811
Thrust mode		
• does not show on the engine display	346 230 00	34-61 TASK 809
Thrust reverser deploy		
• REV message does not show, thrust reverser does not deploy, and reverse thrust lever does not move to full reverse thrust		
- engine 1	780 030 51	78-34 TASK 807
- engine 2	780 030 52	78-34 TASK 807
• REV message shows amber, reverse thrust lever does not move to full reverse thrust		
- engine 1	780 050 51	78-34 TASK 802
- engine 2	780 050 52	78-34 TASK 802
• REV message shows amber, reverse thrust lever moves to full reverse thrust but engine does not go to full reverse thrust		
- engine 1	780 040 51	78-34 TASK 802
- engine 2	780 040 52	78-34 TASK 802
• REV message shows green, reverse thrust lever does not move to full reverse thrust		
- engine 1	780 060 51	78-34 TASK 803
- engine 2	780 060 52	78-34 TASK 803
• REV message shows green, reverse thrust lever moves to full reverse thrust but engine does not go to full reverse thrust		
- engine 1	780 065 51	78-34 TASK 804
- engine 2	780 065 52	78-34 TASK 804
• time to extend thrust reverser too slow (more than 3 seconds)		
- engine 1	780 070 51	78-34 TASK 805
- engine 2	780 070 52	78-34 TASK 805
Thrust reverser stow		
• REV message shows amber or green, ENG CONTROL light off, REVERSER light on		
- engine 1	780 090 51	78-34 TASK 806
- engine 2	780 090 52	78-34 TASK 806

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Thrust reverser stow (continued)		
• REV message shows amber or green, ENG CONTROL light on, REVERSER light off		
- engine 1	780 080 51	78-36 TASK 806
- engine 2	780 080 52	78-36 TASK 806
• REV message shows green, ENG CONTROL light off, REVERSER light on		
- engine 1	780 105 51	78-34 TASK 806
- engine 2	780 105 52	78-34 TASK 806
• REVERSER light does not come on momentarily during stow, thrust reverser operates normal		
- engine 1	780 100 51	78-34 TASK 808
- engine 2	780 100 52	78-34 TASK 808
• time to retract thrust reverser too slow (more than 5 seconds)		
- engine 1	780 110 51	78-34 TASK 805
- engine 2	780 110 52	78-34 TASK 805
Tiller steering		
• does not operate	325 070 00	32-51 TASK 806
• response is sluggish	325 080 00	32-51 TASK 807
• steers in left direction only	325 090 00	32-51 TASK 808
• steers in right direction only	325 100 00	32-51 TASK 808
Tire problem		
- main gear left inboard	324 150 02	32-42 TASK 820
- main gear left outboard	324 150 01	32-42 TASK 820
- main gear right inboard	324 150 03	32-42 TASK 820
- main gear right outboard	324 150 04	32-42 TASK 820
- nose gear left	324 150 05	32-42 TASK 820
- nose gear right	324 150 06	32-42 TASK 820
TO/GA pitch mode		
• does not show on the flight mode annunciator for go-around when TO/GA switch is pushed and F/D on		
- captain's	221 200 31	22-11 TASK 801
- captain's and first officer's	221 200 48	22-11 TASK 801
- first officer's	221 200 32	22-11 TASK 801
• does not show on the flight mode annunciator for takeoff when TO/GA switch is pushed and F/D on		
- captain's	221 190 31	22-11 TASK 801
- captain's and first officer's	221 190 48	22-11 TASK 801
- first officer's	221 190 32	22-11 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
TR UNIT light		
• light on	243 040 00	24-31 TASK 826
TRANSFER BUS OFF and SOURCE OFF lights		
• lights on with GRD PWR switch at ON		
- no. 1	244 010 01	24-41 TASK 801
- no. 1 and no. 2	244 010 48	24-41 TASK 801
- no. 2	244 010 02	24-41 TASK 801
• lights on with the APU generator on line		
- no. 1	242 060 01	24-21 TASK 801
- no. 2	242 060 02	24-21 TASK 801
TRANSFER BUS OFF light		
• flickers with IDG on line		
- generator 1	242 070 01	24-21 TASK 818
- generator 2	242 070 02	24-21 TASK 819
Trim air valve does not operate	216 310 00	21-62 TASK 838
Trim switch		
• does not operate correctly	272 100 00	27-21 TASK 812
Turbulence (severe), stall, buffet, or overspeed	055 070 00	05-51 TASK 808
VALVE OPEN light for fuel crossfeed		
• does not come on when the valve is in transit	282 125 00	28-22 TASK 808
• stays on bright when the crossfeed selector is moved to the off position	282 120 00	28-22 TASK 807
• stays on bright when the crossfeed selector is moved to the on position	282 110 00	28-22 TASK 807
Valve position light, refuel panel		
• light does not come on with valves selected open and refueling manifold pressurized		
- all tanks	282 030 48	28-21 TASK 807
- center tank	282 030 43	28-21 TASK 807
- tank no. 1	282 030 01	28-21 TASK 807
- tank no. 2	282 030 02	28-21 TASK 807
• light does not go off after pressing the press-to-test switch		
- all tanks	282 020 48	28-21 TASK 806
- center tank	282 020 43	28-21 TASK 806
- tank no. 1	282 020 01	28-21 TASK 806
- tank no. 2	282 020 02	28-21 TASK 806

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Valve position light, refuel panel (continued)		
• stays on with switch at CLOSED		
- all tanks	282 070 48	28-21 TASK 806
- center tank	282 070 43	28-21 TASK 806
- tank no. 1	282 070 01	28-21 TASK 806
- tank no. 2	282 070 02	28-21 TASK 806
VERIFY POSITION message shows on CDU and POS SHIFT page shows large IRS drift	342 225 00	34-21 TASK 836
VERT SPEED window display on the mode control panel		
• does not change with vertical speed selector change	221 830 00	22-11 TASK 803
• does not show	221 840 00	22-11 TASK 803
Vertical Situation Display problem		
- captain's	344 501 31	34-46 TASK 801
- first officer's	344 501 32	34-46 TASK 801
Vertical speed data		
• does not show		
- captain's	342 180 31	31-63 TASK 809
- first officer's	342 180 32	31-63 TASK 809
Vertical speed pointer		
• does not show		
- captain's	342 185 31	34-21 TASK 825
- first officer's	342 185 32	34-21 TASK 826
VHF 1 control panel problem	231 030 00	23-12 TASK 814
VHF 1 radio		
• reception and transmission problem at all stations	231 310 48	23-12 TASK 816
• reception and transmission problem at one station		
- captain's	231 310 31	23-12 TASK 816
- first observer's	231 310 33	23-12 TASK 816
- first officer's	231 310 32	23-12 TASK 816
• reception problem at all stations	231 320 48	23-12 TASK 816
• reception problem at one station		
- captain's	231 320 31	23-12 TASK 816
- first observer's	231 320 33	23-12 TASK 816
- first officer's	231 320 32	23-12 TASK 816
• transmission problem at all stations	231 330 48	23-12 TASK 816

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
VHF 1 radio (continued)		
• transmission problem at one station		
- captain's	231 330 31	23-12 TASK 816
- first observer's	231 330 33	23-12 TASK 816
- first officer's	231 330 32	23-12 TASK 816
VHF 2 control panel problem	231 040 00	23-12 TASK 814
VHF 2 radio		
• reception and transmission problem at all stations	231 430 48	23-12 TASK 816
• reception and transmission problem at one station		
- captain's	231 430 31	23-12 TASK 816
- first observer's	231 430 33	23-12 TASK 816
- first officer's	231 430 32	23-12 TASK 816
• reception problem at all stations	231 440 48	23-12 TASK 816
• reception problem at one station		
- captain's	231 440 31	23-12 TASK 816
- first observer's	231 440 33	23-12 TASK 816
- first officer's	231 440 32	23-12 TASK 816
• transmission problem at all stations	231 450 48	23-12 TASK 816
• transmission problem at one station		
- captain's	231 450 31	23-12 TASK 816
- first observer's	231 450 33	23-12 TASK 816
- first officer's	231 450 32	23-12 TASK 816
VHF 3 control panel problem	231 050 00	23-12 TASK 814
VHF 3 radio		
• reception and transmission problem at all stations	231 550 48	23-12 TASK 816
• reception and transmission problem at one station		
- captain's	231 550 31	23-12 TASK 816
- first observer's	231 550 33	23-12 TASK 816
- first officer's	231 550 32	23-12 TASK 816
• reception problem at all stations	231 560 48	23-12 TASK 816
• reception problem at one station		
- captain's	231 560 31	23-12 TASK 816
- first observer's	231 560 33	23-12 TASK 816
- first officer's	231 560 32	23-12 TASK 816
• transmission problem at all stations	231 570 48	23-12 TASK 816
• transmission problem at one station		
- captain's	231 570 31	23-12 TASK 816
- first observer's	231 570 33	23-12 TASK 816
- first officer's	231 570 32	23-12 TASK 816

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Vibration in aft and forward fuselage	273 070 00	27-31 TASK 806
Vibration indication		
• blank		
- engine 1	770 040 51	77-05 TASK 805
- engine 2	770 040 52	77-05 TASK 805
• high		
- engine 1	710 232 51	71-05 TASK 808
- engine 2	710 232 52	71-05 TASK 808
• zero or fluctuates		
- engine 1	770 050 51	77-05 TASK 804
- engine 2	770 050 52	77-05 TASK 804
Vibration, APU		
• excessive	491 020 00	49-15 TASK 807
Voice recorder		
• signal problem at monitor jack	237 010 00	23-71 TASK 801
• STATUS light or TEST light does not come on when TEST switch is pushed	237 020 00	23-71 TASK 804
• system operation problem (airplanes with AUTO/ON switch)	237 050 00	23-71 TASK 805
Volcanic ash condition	055 050 00	05-51 TASK 803
VOR		
• audio tone does not occur or is weak		
- captain's	345 010 31	34-51 TASK 809
- first officer's	345 010 32	34-51 TASK 809
• bearing pointer 1 does not show, VOR1 flag does not show	345 030 01	34-51 TASK 805
• bearing pointer 2 does not show, VOR2 flag does not show	345 030 02	34-51 TASK 805
• data on NAV STATUS display of CDU shows FAIL	346 490 00	34-61 TASK 801
• deviation bar does not show on the navigation display		
- VOR1	345 050 01	34-51 TASK 806
- VOR2	345 050 02	34-51 TASK 806
• test problem when you push the TEST switch on the navigation control panel		
- captain's	345 020 31	34-51 TASK 801
- first officer's	345 020 32	34-51 TASK 801
• TO/FROM indication does not show on the navigation display		
- VOR1	345 060 01	34-51 TASK 810
- VOR2	345 060 02	34-51 TASK 810

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
VOR flag shows on the radio magnetic indicator	342 440 00	34-22 TASK 802
VOR frequency		
• shows dashes		
- VOR1	345 070 01	34-51 TASK 807
- VOR2	345 070 02	34-51 TASK 807
VOR1 flag shows on the display	345 040 01	34-51 TASK 801
VOR2 flag shows on the display	345 040 02	34-51 TASK 801
VSD flag shows		
- captain's	344 502 31	34-46 TASK 860
- first officer's	344 502 32	34-46 TASK 861
VSI flag shows		
- captain's	342 175 31	34-21 TASK 825
- first officer's	342 175 32	34-21 TASK 826
VTK flag shows		
- captain's	346 200 31	34-61 TASK 801
- first officer's	346 200 32	34-61 TASK 801
WAIT ATT flag shows on integrated standby flight display	342 610 00	34-24 TASK 807
Waste quantity indicator		
• shows tank is empty when tank is full		
- attendant's panel	383 050 00	38-30 TASK 810
• shows tank is full when tank is not full		
- attendant's panel	383 040 00	38-30 TASK 810
Waste tank		
• does not precharge	383 020 00	38-30 TASK 812
Waste tank drain valve handle		
• does not drain tank when pulled	383 030 00	38-30 TASK 813
Water leakage		
- aft cargo compartment ceiling	381 050 45	38-10 TASK 804
- forward cargo compartment ceiling	381 050 44	38-10 TASK 804
Water, potable		
• auxiliary tank (40-gallon) leaks	381 042 00	25-99 TASK 801
• main tank (60-gallon) leaks	381 041 00	25-99 TASK 801
• system does not pressurize	381 020 00	38-10 TASK 803
• tank does not fill	381 030 00	38-10 TASK 801
• tank leaks	381 040 00	38-10 TASK 802

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Weather radar		
• +1 tilt angle shows during system displays test (predictive windshear)	344 161 00	34-43 TASK 806
• +2 tilt angle shows during system displays test (predictive windshear)	344 166 00	34-43 TASK 807
• +3 tilt angle shows during system displays test (predictive windshear)	344 171 00	34-43 TASK 806
• +4 tilt angle shows during system displays test (predictive windshear)	344 176 00	34-43 TASK 816
• -1 tilt angle shows during system displays test (predictive windshear)	344 160 00	34-43 TASK 806
• -2 tilt angle shows during system displays test (predictive windshear)	344 165 00	34-43 TASK 807
• -3 tilt angle shows during system displays test (predictive windshear)	344 170 00	34-43 TASK 806
• -4 tilt angle shows during system displays test (predictive windshear)	344 175 00	34-43 TASK 816
• -5 tilt angle shows during system displays test (predictive windshear)	344 180 00	34-43 TASK 817
• -6 tilt angle shows during system displays test (predictive windshear)	344 185 00	34-43 TASK 818
• -7 tilt angle shows during system displays test (predictive windshear)	344 186 00	34-43 TASK 819
• -8 tilt angle shows during system displays test (predictive windshear)	344 190 00	34-43 TASK 821
• display blank		
- captain's	344 090 31	34-43 TASK 814
- first officer's	344 090 32	34-43 TASK 814
• gain control problem		
- left	344 100 41	34-43 TASK 814
- right	344 100 42	34-43 TASK 814
• mode selector problem		
- left	344 110 41	34-43 TASK 804
- right	344 110 42	34-43 TASK 804
• no aural warnings during system displays test (predictive windshear)	344 140 00	34-43 TASK 820
• returns weak or incorrect colors on CDS		
- captain's	344 120 31	34-43 TASK 802
- first officer's	344 120 32	34-43 TASK 802
• tilt control problem		
- left	344 130 41	34-43 TASK 814
- right	344 130 42	34-43 TASK 814
• WINDSHEAR does not show during system displays test (predictive windshear)	344 150 00	34-43 TASK 802

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
WHEEL WELL light		
● does not come on		
- main landing gear	333 010 00	33-30 TASK 801
- nose landing gear	333 020 00	33-30 TASK 801
● does not go off		
- main landing gear	333 011 00	33-30 TASK 801
- nose landing gear	333 021 00	33-30 TASK 801
● light on	261 090 00	26-18 TASK 801
Window heat		
● does not heat correctly		
- side window	304 090 00	30-41 TASK 809
- upper window		Reference Not
	304 100 00	Currently Available
- windshield	304 080 00	30-41 TASK 802
● lights do not operate correctly when the test switch is moved to PWR TEST	304 050 00	30-41 TASK 801
● master caution and OVERHEAT lights do not operate correctly when the test switch is moved to OVHT	304 060 00	30-41 TASK 801
WINDOW HEAT OVERHEAT light		
● light on		
- L FWD	304 010 41	30-41 TASK 801
- L SIDE	304 020 41	30-41 TASK 801
- R FWD	304 010 42	30-41 TASK 801
- R SIDE	304 020 42	30-41 TASK 801
WINDOW HEAT Power ON light		
● does not come on		
- L FWD	304 030 41	30-41 TASK 801
- L SIDE	304 040 41	30-41 TASK 801
- R FWD	304 030 42	30-41 TASK 801
- R SIDE	304 040 42	30-41 TASK 801
Window, flight compartment		
● delaminated, cracked, chipped, crazed, scratched, or has bubbles		
- no. 1 left	561 010 41	56-11 TASK 802
- no. 1 right	561 010 42	56-11 TASK 802
- no. 2 left	561 020 41	56-11 TASK 802
- no. 2 right	561 020 42	56-11 TASK 802
- no. 3 left	561 030 41	56-11 TASK 802
- no. 3 right	561 030 42	56-11 TASK 802

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
Window, flight compartment (continued)		
● sliding difficult to operate		
- no. 2 left	561 070 41	56-11 TASK 801
- no. 2 right	561 070 42	56-11 TASK 801
● sliding has air leak		
- no. 2 left	561 080 41	56-11 TASK 801
- no. 2 right	561 080 42	56-11 TASK 801
● windows need cleaning	561 060 00	56-11 TASK 805
Windshield		
● air outlet does not operate		
- captain's	212 010 31	21-22 TASK 801
- first officer's	212 010 32	21-22 TASK 801
Windshield wiper		
● does not operate in any switch position		
- left	304 200 41	30-42 TASK 801
- right	304 200 42	30-42 TASK 801
● does not operate in one switch position		
- left	304 210 41	30-42 TASK 802
- right	304 210 42	30-42 TASK 802
● does not park in the correct position		
- left	304 240 41	30-42 TASK 805
- right	304 240 42	30-42 TASK 805
● does not remove water correctly		
- left	304 260 41	30-42 TASK 807
- right	304 260 42	30-42 TASK 807
● does not stop		
- left	304 250 41	30-42 TASK 806
- right	304 250 42	30-42 TASK 806
● speed is incorrect		
- left	304 220 41	30-42 TASK 804
- right	304 220 42	30-42 TASK 804
● sweep is incorrect		
- left	304 230 41	30-42 TASK 803
- right	304 230 42	30-42 TASK 803
WING ANTI-ICE L VALVE OPEN light		
● does not come on	301 080 00	30-11 TASK 805
● does not go bright during transition	301 015 41	30-11 TASK 804
● slow to go from bright to dim when switch is moved to ON	301 010 00	30-11 TASK 801
● slow to go from bright to off when switch is moved to OFF	301 020 00	30-11 TASK 802
● stays on bright	301 030 00	30-11 TASK 803

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
WING ANTI-ICE R VALVE OPEN light		
• does not come on	301 090 00	30-11 TASK 805
• does not go bright during transition	301 015 42	30-11 TASK 804
• slow to go from bright to dim when switch is moved to ON	301 050 00	30-11 TASK 801
• slow to go from bright to off when switch is moved to OFF	301 060 00	30-11 TASK 802
• stays on bright	301 070 00	30-11 TASK 803
WING ANTI-ICE switch		
• does not latch in the ON position with the engines not operating	301 100 00	30-11 TASK 806
• unlatches when the engines are operating	301 110 00	30-11 TASK 807
Wing down aileron trim		
• does not operate		
- left	271 050 41	27-11 TASK 814
- left and right	271 050 48	27-11 TASK 815
- right	271 050 42	27-11 TASK 814
Wing illumination light		
• does not come on		
- left	334 010 41	33-40 TASK 801
- right	334 010 42	33-40 TASK 801
• does not go off		
- left	334 020 41	33-40 TASK 801
- right	334 020 42	33-40 TASK 801
WING-BODY OVERHEAT light		
• light does not come on when OVHT/TEST switch is pushed		
- left	261 120 41	26-18 TASK 801
- left and right	261 120 48	26-18 TASK 801
- right	261 120 42	26-18 TASK 801
• light on	261 110 00	26-18 TASK 801
WXR ATT message shows		
- captain's	344 030 31	34-43 TASK 806
- first officer's	344 030 32	34-43 TASK 806
WXR DSPY message shows		
- captain's	344 040 31	34-43 TASK 812
- first officer's	344 040 32	34-43 TASK 813
WXR FAIL message shows		
- captain's	344 050 31	34-43 TASK 801
- first officer's	344 050 32	34-43 TASK 801

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WXR RANGE DISAGREE message shows		
- captain's	344 060 31	34-43 TASK 808
- first officer's	344 060 32	34-43 TASK 809
WXR STAB message shows		
- captain's	344 070 31	34-43 TASK 822
- first officer's	344 070 32	34-43 TASK 822
WXR WEAK message shows		
- captain's	344 080 31	34-43 TASK 802
- first officer's	344 080 32	34-43 TASK 802
Yaw damper		
• disengaged automatically, YAW DAMPER light came on ..	222 030 00	27-32 TASK 801
• operation not normal	222 020 00	27-32 TASK 801
YAW DAMPER light		
• does not go off with YAW DAMPER switch at ON	222 010 00	27-32 TASK 801
ZONE TEMP light		
• comes on unexpectedly during master caution recall	216 224 00	21-62 TASK 848
• light on, cannot reset		
- aft cabin	216 202 00	21-62 TASK 841
- control cabin	216 212 00	21-62 TASK 839
- forward cabin	216 222 00	21-62 TASK 840
• light on, comes on again after reset		
- aft cabin	216 203 00	21-62 TASK 847
- control cabin	216 213 00	21-62 TASK 845
- forward cabin	216 223 00	21-62 TASK 846
• light on, stays off after reset		
- aft cabin	216 201 00	21-62 TASK 844
- control cabin	216 211 00	21-62 TASK 842
- forward cabin	216 221 00	21-62 TASK 843

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
<u>05-5 TIME LIMITS/MAINTENANCE CHECKS - UNSCHEDULED MAINTENANCE CHECKS</u>		
Airframe		
• vibration or lateral oscillation is excessive	055 170 00	05-51 TASK 813
Birdstrike/FOD		
• on airframe/area unknown, engine parameters normal . .	055 130 00	05-51 TASK 804
Brakes		
• overheated during stop	055 030 00	05-51 TASK 805
Dust (extreme) condition	055 020 00	05-51 TASK 802
Engine nacelle or strut dragged or damaged		
- engine 1	055 100 51	05-51 TASK 811
- engine 2	055 100 52	05-51 TASK 811
Engine seizure		
- engine 1	055 120 51	05-51 TASK 811
- engine 2	055 120 52	05-51 TASK 811
Hard landing or high drag/side load landing	055 040 00	05-51 TASK 806
Lightning strike	055 010 00	05-51 TASK 801
Overspeed		
• with flaps/slats extended	055 090 00	05-51 TASK 810
• with landing gear down	055 080 00	05-51 TASK 809
Overweight landing	055 060 00	05-51 TASK 807
Tail dragged	055 110 00	05-51 TASK 812
Turbulence (severe), stall, buffet, or overspeed	055 070 00	05-51 TASK 808
Volcanic ash condition	055 050 00	05-51 TASK 803

21-0 AIR CONDITIONING - GENERAL

Smoke		
• does not stop with recirculation fans off, isolation valve closed, and both pack switches at off		
- flight compartment	210 070 00	21-00 TASK 803
- flight compartment and passenger cabin	210 080 00	21-00 TASK 803
- passenger cabin	210 090 00	21-00 TASK 803
• stops with recirculation fan(s) off, isolation valve closed, and right pack switch at off		
- flight compartment and passenger cabin	210 020 00	21-00 TASK 801
- passenger cabin	210 030 00	21-00 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
21-0 AIR CONDITIONING - GENERAL (continued)		
- stops with recirculation fan(s) off, isolation valve closed, right pack switch in auto, and left pack switch off - flight compartment 210 040 00 21-00 TASK 802 - flight compartment and passenger cabin 210 050 00 21-00 TASK 802 - passenger cabin 210 060 00 21-00 TASK 802		
Smoke or fumes in cabin source unknown 210 671 00 21-00 TASK 806		
21-2 AIR CONDITIONING - DISTRIBUTION		
EQUIP COOLING EXHAUST OFF light - light on with switch at ALTERNATE 212 080 00 21-27 TASK 805 - light on with switch at NORMAL 212 090 00 21-27 TASK 806		
EQUIP COOLING SUPPLY OFF light - light on with switch at ALTERNATE 212 100 00 21-27 TASK 807 - light on with switch at NORMAL 212 110 00 21-27 TASK 808		
Foot air outlet - does not operate - captain's 212 020 31 21-22 TASK 801 - first officer's 212 020 32 21-22 TASK 801		
Recirculation fan (dual-fan system) - does not operate - left 212 040 41 21-25 TASK 802 - right 212 040 42 21-25 TASK 802		
Recirculation fan (single-fan system) does not operate 212 040 00 21-25 TASK 801		
Smoke - stops with recirculation fan(s) off - flight compartment 212 050 00 21-00 TASK 804 - flight compartment and passenger cabin 212 060 00 21-00 TASK 804 - passenger cabin 212 070 00 21-00 TASK 804		
Windshield - air outlet does not operate - captain's 212 010 31 21-22 TASK 801 - first officer's 212 010 32 21-22 TASK 801		

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
<u>21-3 AIR CONDITIONING - PRESSURIZATION</u>		
AUTO FAIL light		
• light on and ALTN light on, AUTO FAIL light goes off when pressurization mode selector switch is at ALTN	213 010 00	21-31 TASK 801
• light on, ALTN light not on	213 020 00	21-31 TASK 801
CABIN ALT indication		
• fluctuates	213 040 00	21-31 TASK 801
Cabin altitude and differential pressure gauge		
• indicates high cabin pressure differential and low cabin altitude	213 121 00	21-33 TASK 803
Cabin altitude warning system		
• does not operate	213 060 00	21-33 TASK 801
CABIN CLIMB indicator		
• does not operate, pointer does not move	213 080 00	21-33 TASK 802
FLT ALT display		
• indication blank	213 090 00	21-31 TASK 813
LAND ALT display		
• indication blank	213 100 00	21-31 TASK 814
Manual mode control of aft outflow valve		
• does not operate	213 030 00	21-31 TASK 811
MANUAL VALVE indicator		
• does not operate, pointer does not move	213 110 00	21-31 TASK 812
Pressurization		
• cannot keep the correct cabin pressure	213 050 00	21-31 TASK 801
<u>21-5 AIR CONDITIONING - COOLING</u>		
Fog, high humidity, or ice in cabin	215 010 00	21-51 TASK 801
Noise, pounding heard through air distribution system	215 015 00	21-51 TASK 802
Pack airflow/temperature diagnostics tool		
• tool shows pack airflow is too low or too high	215 350 00	21-52 TASK 857
• tool shows pack outlet temperature is too cold or too hot	215 351 00	21-52 TASK 856
PACK light		
• light on at cruise, light comes on again after reset		
- left	215 230 41	21-53 TASK 813
- right	215 230 42	21-53 TASK 814

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
21-5 AIR CONDITIONING - COOLING (continued)		
● light on at cruise, light stays off after reset		
- left	215 220 41	21-53 TASK 809
- right	215 220 42	21-53 TASK 810
● light on during approach, light comes on again after reset		
- left	215 260 41	21-53 TASK 815
- right	215 260 42	21-53 TASK 816
● light on during approach, light stays off after reset		
- left	215 250 41	21-53 TASK 807
- right	215 250 42	21-53 TASK 808
● light on during climb, light comes on again after reset		
- left	215 290 41	21-53 TASK 817
- right	215 290 42	21-53 TASK 818
● light on during climb, light stays off after reset		
- left	215 280 41	21-53 TASK 805
- right	215 280 42	21-53 TASK 806
● light on on ground, light comes on again after reset		
- left	215 320 41	21-53 TASK 811
- right	215 320 42	21-53 TASK 812
● light on on ground, light stays off after reset		
- left	215 310 41	21-53 TASK 803
- right	215 310 42	21-53 TASK 804
● light on, cannot reset		
- left	215 240 41	21-53 TASK 801
- right	215 240 42	21-53 TASK 802
PACK TRIP OFF light		
● light on at cruise, light comes on again after reset		
- left	215 030 41	21-52 TASK 830
- right	215 030 42	21-52 TASK 831
● light on at cruise, light stays off after reset		
- left	215 020 41	21-52 TASK 824
- right	215 020 42	21-52 TASK 825
● light on during approach, light comes on again after reset		
- left	215 060 41	21-52 TASK 832
- right	215 060 42	21-52 TASK 833
● light on during approach, light stays off after reset		
- left	215 050 41	21-52 TASK 822
- right	215 050 42	21-52 TASK 823

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
21-5 AIR CONDITIONING - COOLING (continued)		
● light on during climb, light comes on again after reset		
- left	215 090 41	21-52 TASK 834
- right	215 090 42	21-52 TASK 835
● light on during climb, light stays off after reset		
- left	215 080 41	21-52 TASK 820
- right	215 080 42	21-52 TASK 821
● light on on ground, light comes on again after reset		
- left	215 120 41	21-52 TASK 828
- right	215 120 42	21-52 TASK 829
● light on on ground, light stays off after reset		
- left	215 110 41	21-52 TASK 818
- right	215 110 42	21-52 TASK 819
● light on, cannot reset		
- left	215 040 41	21-52 TASK 816
- right	215 040 42	21-52 TASK 817
RAM DOOR FULL OPEN light		
● light is not on, airplane on the ground	215 140 00	21-51 TASK 804
● light stays on, airplane in the air	215 160 00	21-51 TASK 803
Temperature indication not correct		
- air temperature selector at PACK L	215 060 00	21-61 TASK 854
- air temperature selector at PACK R	215 070 00	21-61 TASK 855
21-6 AIR CONDITIONING - TEMPERATURE CONTROL		
Air mix valve indicator		
● does not operate, pointer does not move, temperature is OK		
- CONT CABIN	216 010 00	21-61 TASK 841
- PASS CABIN	216 020 00	21-61 TASK 841
AUTO temperature control		
● does not operate		
- AFT CAB	216 050 00	21-61 TASK 863
- CONT CAB	216 040 00	21-61 TASK 861
- FWD CAB	216 060 00	21-61 TASK 864
- PASS CABIN	216 070 00	21-61 TASK 862
DUCT OVERHEAT light		
● light on, cannot reset		
- CONT CABIN	216 100 00	21-61 TASK 837
- PASS CABIN	216 105 00	21-61 TASK 838

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
21-6 AIR CONDITIONING - TEMPERATURE CONTROL (continued)		
- light on, comes on again after reset - CONT CABIN 216 090 00 - PASS CABIN 216 095 00 - light on, stays off after reset - CONT CABIN 216 080 00 - PASS CABIN 216 085 00		21-61 TASK 848 21-61 TASK 849 21-61 TASK 839 21-61 TASK 840
Temperature		
- too cold, cannot make warmer in AUTO and MANUAL mode, air mix valve does not move to HOT - CONT CABIN 216 460 00 - PASS CABIN 216 470 00 - too cold, cannot make warmer in AUTO mode, OK in MANUAL mode - CONT CABIN 216 420 00 - PASS CABIN 216 430 00 - too hot, cannot make cooler in AUTO and MANUAL mode, air mix valve does not move to COLD - CONT CABIN 216 440 00 - PASS CABIN 216 450 00 - too hot, cannot make cooler in AUTO mode, OK in MANUAL mode - CONT CABIN 216 400 00 - PASS CABIN 216 410 00		21-61 TASK 845 21-61 TASK 847 21-61 TASK 801 21-61 TASK 801 21-61 TASK 844 21-61 TASK 846 21-61 TASK 801 21-61 TASK 801
Temperature control		
cannot cool cabins, all temperature selectors set to full cold 216 510 00		21-62 TASK 849
Temperature indication not correct		
- air temperature selector at AFT SUPPLY DUCT 216 170 00 - air temperature selector at AFT ZONE CABIN 216 120 00 - air temperature selector at CONT CAB SUPPLY DUCT 216 140 00 - air temperature selector at FWD SUPPLY DUCT 216 180 00 - air temperature selector at FWD ZONE CABIN 216 130 00 - air temperature selector at PASS CABIN 216 190 00 - air temperature selector at SUPPLY DUCT 216 160 00		21-61 TASK 860 21-61 TASK 857 21-61 TASK 858 21-61 TASK 859 21-61 TASK 856 21-61 TASK 843 21-61 TASK 842
Trim air valve does not operate	216 310 00	21-62 TASK 838
ZONE TEMP light		
comes on unexpectedly during master caution recall ... 216 224 00		21-62 TASK 848

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
21-6 AIR CONDITIONING - TEMPERATURE CONTROL (continued)		
● light on, cannot reset		
- aft cabin	216 202 00	21-62 TASK 841
- control cabin	216 212 00	21-62 TASK 839
- forward cabin	216 222 00	21-62 TASK 840
● light on, comes on again after reset		
- aft cabin	216 203 00	21-62 TASK 847
- control cabin	216 213 00	21-62 TASK 845
- forward cabin	216 223 00	21-62 TASK 846
● light on, stays off after reset		
- aft cabin	216 201 00	21-62 TASK 844
- control cabin	216 211 00	21-62 TASK 842
- forward cabin	216 221 00	21-62 TASK 843
22-1 AUTOFLIGHT - AUTOPILOT/FLIGHT DIRECTOR		
Autopilot		
● A and B disengage automatically while in dual mode . . .	221 140 00	22-11 TASK 801
● A/P amber warning annunciator light on flashing, autopilot went to CWS mode	221 020 00	22-11 TASK 801
● A/P red warning annunciator light on steady	221 010 00	22-11 TASK 801
● airplane does not align correctly with runway during approach	221 960 00	22-11 TASK 825
● airplane does not flare correctly during multi-channel approach, FLARE shows normal on the flight mode annunciator	221 750 00	22-11 TASK 801
● airplane does not go to set altitude with V/S, LVL CHG, or VNAV pitch mode set		
- CMD A engaged	221 330 00	22-11 TASK 801
- CMD A or CMD B engaged	221 350 00	22-11 TASK 801
- CMD B engaged	221 340 00	22-11 TASK 801
● airplane does not go to the set heading or keep the set heading with HDG SEL roll mode set		
- CMD A engaged	221 370 00	22-11 TASK 801
- CMD A or CMD B engaged	221 390 00	22-11 TASK 801
- CMD B engaged	221 380 00	22-11 TASK 801
● airplane does not go to the set vertical speed with V/S pitch mode set		
- CMD A engaged	221 520 00	22-11 TASK 801
- CMD A or CMD B engaged	221 540 00	22-11 TASK 801
- CMD B engaged	221 530 00	22-11 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
22-1 AUTOFLIGHT - AUTOPILOT/FLIGHT DIRECTOR (continued)		
● airplane does not keep the same altitude with ALT HLD pitch mode set		
- CMD A engaged	221 490 00	22-11 TASK 801
- CMD A or CMD B engaged	221 510 00	22-11 TASK 801
- CMD B engaged	221 500 00	22-11 TASK 801
● airplane does not keep the set airspeed with MCP SPD (LVL CHG) pitch mode set		
- CMD A engaged	221 430 00	22-11 TASK 801
- CMD A or CMD B engaged	221 450 00	22-11 TASK 801
- CMD B engaged	221 440 00	22-11 TASK 801
● airplane does not keep the set course with VOR roll mode set		
- CMD A engaged	221 460 00	22-11 TASK 801
- CMD A or CMD B engaged	221 480 00	22-11 TASK 801
- CMD B engaged	221 470 00	22-11 TASK 801
● airplane does not keep the set heading		
- CWS A engaged	221 400 00	22-11 TASK 801
- CWS A or CWS B engaged	221 420 00	22-11 TASK 801
- CWS B engaged	221 410 00	22-11 TASK 801
● airplane has pitch oscillation (porpoises) during multi-channel approach	221 310 00	22-16 TASK 801
● airplane has pitch oscillation (porpoises) with any A/P engaged in CMD	221 320 00	22-16 TASK 801
● airplane roll is not smooth (jerky) with any A/P engaged in CMD	221 760 00	22-11 TASK 801
● control columns move when the autopilot engages	221 940 00	22-16 TASK 802
● control wheels move when the autopilot engages	221 950 00	22-16 TASK 803
● disengages automatically		
- CMD A engaged	221 080 00	22-11 TASK 801
- CMD A or CMD B engaged	221 100 00	22-11 TASK 801
- CMD B engaged	221 090 00	22-11 TASK 801
- CWS A engaged	221 110 00	22-11 TASK 801
- CWS A or CWS B engaged	221 130 00	22-11 TASK 801
- CWS B engaged	221 120 00	22-11 TASK 801
● does not disengage when CMD switch is pushed to off		
- CMD A engaged	221 570 00	22-11 TASK 803
- CMD A or CMD B engaged	221 590 00	22-11 TASK 803
- CMD B engaged	221 580 00	22-11 TASK 803

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
22-1 AUTOFLIGHT - AUTOPILOT/FLIGHT DIRECTOR (continued)		
• does not disengage when CWS switch is pushed to off		
- CWS A engaged	221 600 00	22-11 TASK 803
- CWS A or CWS B engaged	221 620 00	22-11 TASK 803
- CWS B engaged	221 610 00	22-11 TASK 803
• does not disengage when disengage switch is pushed		
- captain's control column	221 550 31	22-13 TASK 809
- first officer's control column	221 550 32	22-13 TASK 809
- mode control panel	221 560 00	22-11 TASK 803
• does not engage in dual mode, CMD A engages, CMD B does not engage, FLARE pitch mode does not show on the flight mode annunciator	221 690 00	22-11 TASK 801
• does not engage in dual mode, CMD B engages, CMD A does not engage, FLARE pitch mode does not show on the flight mode annunciator	221 700 00	22-11 TASK 801
• does not engage when CMD switch is pushed, switch lights do not come on and CMD status does not show on the flight mode annunciator		
- CMD A	221 630 00	22-11 TASK 801
- CMD A or CMD B	221 650 00	22-11 TASK 801
- CMD B	221 640 00	22-11 TASK 801
• does not engage when CWS switch is pushed, switch lights do not come on, CWS P and CWS R status do not show on the flight mode annunciator		
- CWS A	221 660 00	22-11 TASK 801
- CWS A or CWS B	221 680 00	22-11 TASK 801
- CWS B	221 670 00	22-11 TASK 801
• does not keep pitch attitude		
- CWS A engaged	221 250 00	22-11 TASK 801
- CWS A or CWS B engaged	221 270 00	22-11 TASK 801
- CWS B engaged	221 260 00	22-11 TASK 801
• does not keep roll attitude		
- CWS A engaged	221 280 00	22-11 TASK 801
- CWS A or CWS B engaged	221 300 00	22-11 TASK 801
- CWS B engaged	221 290 00	22-11 TASK 801
• goes less than the normal bank angle with any A/P engaged in CMD	221 740 00	22-11 TASK 801
• goes more than the set bank angle limit in HDG SEL or VOR		
- CMD A engaged	221 710 00	22-11 TASK 801
- CMD A or CMD B engaged	221 730 00	22-11 TASK 801
- CMD B engaged	221 720 00	22-11 TASK 801
• NLND3 LCH shows in DFCS BITE FAULT HISTORY	221 203 00	22-11 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
22-1 AUTOFLIGHT - AUTOPILOT/FLIGHT DIRECTOR (continued)		
• NO ALND LCH shows in DFCS BITE FAULT HISTORY . . .	221 204 00	22-11 TASK 801
• NO AUTOLAND shows on the engine display	221 201 00	22-11 TASK 801
• NO LAND 3 shows on the engine display	221 202 00	22-11 TASK 801
• P MODE FAIL shows in DFCS BITE FAULT HISTORY . . .	221 205 00	22-11 TASK 801
• pitch or roll mode does not engage or disengages automatically, autopilot went to CWS mode		
- CMD A engaged	221 220 00	22-11 TASK 801
- CMD A or CMD B engaged	221 240 00	22-11 TASK 801
- CMD B engaged	221 230 00	22-11 TASK 801
• R MODE FAIL shows in DFCS BITE FAULT HISTORY . . .	221 206 00	22-11 TASK 801
• SPDTRM LCH shows in DFCS BITE FAULT HISTORY . . .	221 207 00	22-11 TASK 801
• status does not show on the flight mode annunciator, switch lights are on	221 180 00	22-11 TASK 801
• TO/GA pitch mode does not show on the flight mode annunciator for go-around when TO/GA switch is pushed and F/D on		
- captain's	221 200 31	22-11 TASK 801
- captain's and first officer's	221 200 48	22-11 TASK 801
- first officer's	221 200 32	22-11 TASK 801
Flight director		
• display does not move correctly to guide the airplane to the set altitude		
- captain's	221 360 31	22-11 TASK 801
- captain's and first officer's	221 360 48	22-11 TASK 801
- first officer's	221 360 32	22-11 TASK 801
• does not operate, FD status does not show on the flight mode annunciator, autopilot not on		
- captain's	221 160 31	22-11 TASK 801
- captain's and first officer's	221 160 48	22-11 TASK 801
- first officer's	221 160 32	22-11 TASK 801
• FD flag shows on flight director display		
- captain's	221 170 31	22-11 TASK 801
- captain's and first officer's	221 170 48	22-11 TASK 801
- first officer's	221 170 32	22-11 TASK 801
• FD status does not show on the flight mode annunciator with F/D on		
- captain's	221 150 31	22-11 TASK 801
- captain's and first officer's	221 150 48	22-11 TASK 801
- first officer's	221 150 32	22-11 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
22-1 AUTOFLIGHT - AUTOPILOT/FLIGHT DIRECTOR (continued)		
- pitch or roll mode does not engage or disengages automatically, flight command display goes out of view - captain's 221 210 31 22-11 TASK 801 - captain's and first officer's 221 210 48 22-11 TASK 801 - first officer's 221 210 32 22-11 TASK 801 - TO/GA pitch mode does not show on the flight mode annunciator for takeoff when TO/GA switch is pushed and F/D on - captain's 221 190 31 22-11 TASK 801 - captain's and first officer's 221 190 48 22-11 TASK 801 - first officer's 221 190 32 22-11 TASK 801		
MACH TRIM FAIL light		
- light on 221 030 00 22-11 TASK 801 - light on when MASTER CAUTION switch is pushed 221 040 00 22-11 TASK 801		
Mode control panel		
- ALTITUDE window display does not change with altitude selector switch change 221 770 00 22-11 TASK 803 - ALTITUDE window display does not show 221 780 00 22-11 TASK 803 - COURSE window display does not change with course selector switch change - captain's 221 790 31 22-11 TASK 803 - first officer's 221 790 32 22-11 TASK 803 - COURSE window display does not show - captain's 221 800 31 22-11 TASK 803 - first officer's 221 800 32 22-11 TASK 803 - HEADING window display does not change with heading selector switch change 221 810 00 22-11 TASK 803 - HEADING window display does not show 221 820 00 22-11 TASK 803 - IAS/MACH window display does not change with selector switch change 221 890 00 22-11 TASK 803 - IAS/MACH window display does not show 221 900 00 22-11 TASK 803 - lower switch light does not come on for all mode switches 221 860 00 22-11 TASK 803 - one of the switch lights does not come on for one mode switch 221 870 00 22-11 TASK 803 - upper switch light does not come on for all mode switches 221 880 00 22-11 TASK 803 - VERT SPEED window display does not change with vertical speed selector change 221 830 00 22-11 TASK 803 - VERT SPEED window display does not show 221 840 00 22-11 TASK 803		
SPEED TRIM FAIL light		
light on 221 050 00 22-11 TASK 801		

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
<u>22-1 AUTOFLIGHT - AUTOPILOT/FLIGHT DIRECTOR (continued)</u>		
SPEED TRIM FAIL light on		
• light on when MASTER CAUTION switch is pushed	221 060 00	22-11 TASK 801
STAB OUT OF TRIM light		
• light on	221 070 00	22-11 TASK 801
Stabilizer trim		
• unscheduled nose up		
- autopilot engaged in CMD A	221 910 00	22-11 TASK 801
- autopilot engaged in CMD A or CMD B	221 930 00	22-11 TASK 801
- autopilot engaged in CMD B	221 920 00	22-11 TASK 801
<u>22-2 AUTOFLIGHT - SPEED - ATTITUDE CORRECTION</u>		
Yaw damper		
• disengaged automatically, YAW DAMPER light came on .	222 030 00	27-32 TASK 801
• operation not normal	222 020 00	27-32 TASK 801
YAW DAMPER light		
• does not go off with YAW DAMPER switch at ON	222 010 00	27-32 TASK 801
<u>22-3 AUTOFLIGHT - AUTOTHROTTLE</u>		
A/T LIMIT indication shows on autothrottle thrust mode display	223 220 00	22-32 TASK 815
Autothrottle		
• A/T amber warning annunciator light on flashing	223 120 00	22-32 TASK 801
• disengages automatically	223 130 00	22-32 TASK 806
• does not arm, ARM light does not come on, ARM does not show on the flight mode annunciator	223 170 00	22-32 TASK 810
• does not automatically disengage after touchdown	223 110 00	22-32 TASK 806
• does not disengage when disengage switch is pushed		
- engine 1 thrust lever	223 140 51	22-32 TASK 805
- engine 2 thrust lever	223 140 52	22-32 TASK 805
• does not disengage when thrust levers are split	223 190 00	22-32 TASK 811
• does not go to full rated N1 when TO/GA switch is pushed a second time during go-around		
- engine 1	223 070 51	22-32 TASK 804
- engine 1 and engine 2	223 070 48	22-32 TASK 804
- engine 2	223 070 52	22-32 TASK 804
• does not go to reduced N1 when TO/GA switch is pushed one time during go-around		
- engine 1	223 080 51	22-32 TASK 804
- engine 1 and engine 2	223 080 48	22-32 TASK 804
- engine 2	223 080 52	22-32 TASK 804

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
22-3 AUTOFLIGHT - AUTOTHROTTLE (continued)		
• does not keep N1 limit in N1 mode		
- engine 1	223 020 51	22-32 TASK 801
- engine 1 and engine 2	223 020 48	22-32 TASK 801
- engine 2	223 020 52	22-32 TASK 801
• does not keep set speed in SPEED mode		
- engine 1	223 030 51	22-32 TASK 801
- engine 1 and engine 2	223 030 48	22-32 TASK 801
- engine 2	223 030 52	22-32 TASK 801
• engine N1 speed fluctuates, engine N1 speed is normal with autothrottle OFF		
- engine 1	223 040 51	22-32 TASK 801
- engine 1 and engine 2	223 040 48	22-32 TASK 801
- engine 2	223 040 52	22-32 TASK 801
• mode does not change when mode switch is pushed . . .	223 200 00	22-32 TASK 809
• overcontrols with A/T mode engaged	223 150 00	22-32 TASK 808
• selected target speed bug problem on the mach airspeed indicator		
- captain's	223 010 31	22-32 TASK 803
- first officer's	223 010 32	22-32 TASK 803
• status does not show on flight mode annunciator	223 050 00	22-32 TASK 807
• status mode does not change automatically	223 090 00	22-32 TASK 807
• throttle resolver angle indication is blank during BITE interactive range check	223 210 00	22-32 TASK 813
• thrust lever does not move back in RETARD mode		
- engine 1	223 100 51	22-32 TASK 802
- engine 1 and engine 2	223 100 48	22-32 TASK 802
- engine 2	223 100 52	22-32 TASK 802
• thrust lever does not move forward when TO/GA switch is pushed		
- engine 1	223 060 51	22-32 TASK 804
- engine 1 and engine 2	223 060 48	22-32 TASK 804
- engine 2	223 060 52	22-32 TASK 804
• thrust lever problem		
- engine 1	223 160 51	22-32 TASK 808
- engine 1 and engine 2	223 160 48	22-32 TASK 808
- engine 2	223 160 52	22-32 TASK 808
• thrust levers are split, OK with autothrottle disengaged .	223 180 00	22-32 TASK 811
23-1 COMMUNICATIONS - SPEECH COMMUNICATIONS		
HF 1 radio		
• reception and transmission problem at all stations	231 060 48	23-11 TASK 806

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23-1 COMMUNICATIONS - SPEECH COMMUNICATIONS (continued)		
● reception and transmission problem at one station		
- captain's	231 060 31	23-11 TASK 806
- first observer's	231 060 33	23-11 TASK 806
- first officer's	231 060 32	23-11 TASK 806
● reception problem at all stations	231 070 48	23-11 TASK 806
● reception problem at one station		
- captain's	231 070 31	23-11 TASK 806
- first observer's	231 070 33	23-11 TASK 806
- first officer's	231 070 32	23-11 TASK 806
● transmission problem at all stations	231 080 48	23-11 TASK 806
● transmission problem at one station		
- captain's	231 080 31	23-11 TASK 806
- first observer's	231 080 33	23-11 TASK 806
- first officer's	231 080 32	23-11 TASK 806
HF 2 radio		
● reception and transmission problem at all stations	231 180 48	23-11 TASK 806
● reception and transmission problem at one station		
- captain's	231 180 31	23-11 TASK 806
- first observer's	231 180 33	23-11 TASK 806
- first officer's	231 180 32	23-11 TASK 806
● reception problem at all stations	231 190 48	23-11 TASK 806
● reception problem at one station		
- captain's	231 190 31	23-11 TASK 806
- first observer's	231 190 33	23-11 TASK 806
- first officer's	231 190 32	23-11 TASK 806
● transmission problem at all stations	231 200 48	23-11 TASK 806
● transmission problem at one station		
- captain's	231 200 31	23-11 TASK 806
- first observer's	231 200 33	23-11 TASK 806
- first officer's	231 200 32	23-11 TASK 806
Radio tuning panel problem		
- captain's	231 300 31	23-12 TASK 815
- first observer's	231 300 33	23-12 TASK 815
- first officer's	231 300 32	23-12 TASK 815
VHF 1 control panel problem	231 030 00	23-12 TASK 814
VHF 1 radio		
● reception and transmission problem at all stations	231 310 48	23-12 TASK 816

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
23-1 COMMUNICATIONS - SPEECH COMMUNICATIONS (continued)		
● reception and transmission problem at one station		
- captain's	231 310 31	23-12 TASK 816
- first observer's	231 310 33	23-12 TASK 816
- first officer's	231 310 32	23-12 TASK 816
● reception problem at all stations	231 320 48	23-12 TASK 816
● reception problem at one station		
- captain's	231 320 31	23-12 TASK 816
- first observer's	231 320 33	23-12 TASK 816
- first officer's	231 320 32	23-12 TASK 816
● transmission problem at all stations	231 330 48	23-12 TASK 816
● transmission problem at one station		
- captain's	231 330 31	23-12 TASK 816
- first observer's	231 330 33	23-12 TASK 816
- first officer's	231 330 32	23-12 TASK 816
VHF 2 control panel problem	231 040 00	23-12 TASK 814
VHF 2 radio		
● reception and transmission problem at all stations	231 430 48	23-12 TASK 816
● reception and transmission problem at one station		
- captain's	231 430 31	23-12 TASK 816
- first observer's	231 430 33	23-12 TASK 816
- first officer's	231 430 32	23-12 TASK 816
● reception problem at all stations	231 440 48	23-12 TASK 816
● reception problem at one station		
- captain's	231 440 31	23-12 TASK 816
- first observer's	231 440 33	23-12 TASK 816
- first officer's	231 440 32	23-12 TASK 816
● transmission problem at all stations	231 450 48	23-12 TASK 816
● transmission problem at one station		
- captain's	231 450 31	23-12 TASK 816
- first observer's	231 450 33	23-12 TASK 816
- first officer's	231 450 32	23-12 TASK 816
VHF 3 control panel problem	231 050 00	23-12 TASK 814
VHF 3 radio		
● reception and transmission problem at all stations	231 550 48	23-12 TASK 816
● reception and transmission problem at one station		
- captain's	231 550 31	23-12 TASK 816
- first observer's	231 550 33	23-12 TASK 816
- first officer's	231 550 32	23-12 TASK 816

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23-1 COMMUNICATIONS - SPEECH COMMUNICATIONS (continued)		
• reception problem at all stations	231 560 48	23-12 TASK 816
• reception problem at one station		
- captain's	231 560 31	23-12 TASK 816
- first observer's	231 560 33	23-12 TASK 816
- first officer's	231 560 32	23-12 TASK 816
• transmission problem at all stations	231 570 48	23-12 TASK 816
• transmission problem at one station		
- captain's	231 570 31	23-12 TASK 816
- first observer's	231 570 33	23-12 TASK 816
- first officer's	231 570 32	23-12 TASK 816
23-2 COMMUNICATIONS - DATA TRANSMISSION AND AUTOMATIC CALLING		
ACARS		
• does not operate correctly	232 310 00	23-27 TASK 801
Emergency Locator Transmitter (ELT)		
• no ELT signal on VHF when ELT switch set to ON during test	232 410 00	23-24 TASK 801
SELCAL		
• call light does not come on for calls on HF 1	232 080 00	23-28 TASK 802
• call light does not come on for calls on HF 2	232 090 00	23-28 TASK 802
• call light does not come on for calls on VHF 1	232 100 00	23-28 TASK 802
• call light does not come on for calls on VHF 2	232 110 00	23-28 TASK 802
• call light does not come on for calls on VHF 3	232 120 00	23-28 TASK 802
• call switch does not reset for HF 1, PTT reset OK	232 020 00	23-28 TASK 801
• call switch does not reset for HF 2, PTT reset OK	232 030 00	23-28 TASK 801
• call switch does not reset for VHF 1, PTT reset OK	232 040 00	23-28 TASK 801
• call switch does not reset for VHF 2, PTT reset OK	232 050 00	23-28 TASK 801
• call switch does not reset for VHF 3, PTT reset OK	232 060 00	23-28 TASK 801
• chime does not operate for calls on HF 1, SELCAL call light comes on	232 140 00	23-28 TASK 803
• chime does not operate for calls on HF 2, SELCAL call light comes on	232 150 00	23-28 TASK 803
• chime does not operate for calls on VHF 1, SELCAL call light comes on	232 160 00	23-28 TASK 803
• chime does not operate for calls on VHF 2, SELCAL call light comes on	232 170 00	23-28 TASK 803
• chime does not operate for calls on VHF 3, SELCAL call light comes on	232 180 00	23-28 TASK 803
• does not operate for any radio	232 250 00	23-28 TASK 804
• does not operate for HF 1	232 200 00	23-28 TASK 804
• does not operate for HF 2	232 210 00	23-28 TASK 804

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
23-2 COMMUNICATIONS - DATA TRANSMISSION AND AUTOMATIC CALLING (continued)		
• does not operate for VHF 1	232 220 00	23-28 TASK 804
• does not operate for VHF 2	232 230 00	23-28 TASK 804
• does not operate for VHF 3	232 240 00	23-28 TASK 804
23-3 COMMUNICATIONS - PASSENGER ADDRESS AND ENTERTAINMENT		
Passenger address system		
- distorted from flight compartment	233 020 00	23-31 TASK 801
- does not operate from flight compartment	233 010 00	23-31 TASK 801
- intermittent from flight compartment	233 030 00	23-31 TASK 801
- volume problem from flight compartment	233 040 00	23-31 TASK 802
23-4 COMMUNICATIONS - INTERPHONE		
Call horn		
• does not sound	234 340 00	23-43 TASK 801
• operates continuously	234 350 00	23-43 TASK 802
Call system		
• call light does not come on, attendant to flight compartment	234 380 00	23-42 TASK 801
• call light does not come on, ground crew to flight compartment	234 370 00	23-43 TASK 804
• chime does not sound in the flight compartment	234 390 00	23-42 TASK 804
• does not operate, flight compartment to attendant	234 400 00	23-42 TASK 802
• does not operate, ground crew to flight compartment	234 360 00	23-43 TASK 803
Service interphone		
• distorted		
- all jacks	234 030 48	23-41 TASK 803
- jack adjacent to APU	234 120 00	23-41 TASK 802
- jack at aft entry light panel	234 150 00	23-41 TASK 802
- jack at EE rack	234 070 00	23-41 TASK 802
- jack at external power receptacle panel	234 190 00	23-41 TASK 802
- jack at left wheel well	234 230 00	23-41 TASK 802
- jack at right wheel well	234 270 00	23-41 TASK 802
- jack at right wing refueling slat	234 310 00	23-41 TASK 802
- jack in the electronic equipment bay	234 430 00	23-41 TASK 802
• does not connect to flight interphone	234 010 00	23-41 TASK 801

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23-4 COMMUNICATIONS - INTERPHONE (continued)		
• does not operate		
- all jacks	234 020 48	23-41 TASK 801
- jack adjacent to APU	234 100 00	23-41 TASK 802
- jack at aft entry light panel	234 140 00	23-41 TASK 802
- jack at EE rack	234 060 00	23-41 TASK 802
- jack at external power receptacle panel	234 180 00	23-41 TASK 802
- jack at left wheel well	234 220 00	23-41 TASK 802
- jack at right wheel well	234 260 00	23-41 TASK 802
- jack at right wing refueling slat	234 300 00	23-41 TASK 802
- jack in the electronic equipment bay	234 410 00	23-41 TASK 802
• intermittent		
- all jacks	234 040 48	23-41 TASK 803
- jack adjacent to APU	234 110 00	23-41 TASK 802
- jack at aft entry light panel	234 160 00	23-41 TASK 802
- jack at EE rack	234 080 00	23-41 TASK 802
- jack at external power receptacle panel	234 200 00	23-41 TASK 802
- jack at left wheel well	234 240 00	23-41 TASK 802
- jack at right wheel well	234 280 00	23-41 TASK 802
- jack at right wing refueling slat	234 320 00	23-41 TASK 802
- jack in the electronic equipment bay	234 420 00	23-41 TASK 802
• volume problem		
- all jacks	234 050 48	23-41 TASK 803
- jack adjacent to APU	234 130 00	23-41 TASK 802
- jack at aft entry light panel	234 170 00	23-41 TASK 802
- jack at EE rack	234 090 00	23-41 TASK 802
- jack at external power receptacle panel	234 210 00	23-41 TASK 802
- jack at left wheel well	234 250 00	23-41 TASK 802
- jack at right wheel well	234 290 00	23-41 TASK 802
- jack at right wing refueling slat	234 330 00	23-41 TASK 802
- jack in the electronic equipment bay	234 440 00	23-41 TASK 802
23-5 COMMUNICATIONS - AUDIO INTEGRATION		
Audio control panel indicator light problem		
- captain's	235 101 31	23-51 TASK 807
- first observer's	235 101 33	23-51 TASK 807
- first officer's	235 101 32	23-51 TASK 807
Audio control panel selector switch problem		
- captain's	235 103 31	23-51 TASK 807
- first observer's	235 103 33	23-51 TASK 807
- first officer's	235 103 32	23-51 TASK 807

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
23-5 COMMUNICATIONS - AUDIO INTEGRATION (continued)		
Audio control panel volume control problem		
- captain's	235 102 31	23-51 TASK 807
- first observer's	235 102 33	23-51 TASK 807
- first officer's	235 102 32	23-51 TASK 807
Boom microphone/headset		
● damaged		
- captain's	235 020 31	23-51 TASK 802
- first officer's	235 020 32	23-51 TASK 802
● does not operate		
- captain's	235 010 31	23-51 TASK 801
- first officer's	235 010 32	23-51 TASK 801
Flight interphone		
● does not operate		
- all stations	235 030 48	23-51 TASK 803
- captain's	235 030 31	23-51 TASK 804
- first observer's	235 030 33	23-51 TASK 804
- first officer's	235 030 32	23-51 TASK 804
Hand microphone		
● damaged		
- captain's	235 060 31	23-51 TASK 802
- first observer's	235 060 33	23-51 TASK 802
- first officer's	235 060 32	23-51 TASK 802
● does not operate		
- captain's	235 050 31	23-51 TASK 801
- first observer's	235 050 33	23-51 TASK 801
- first officer's	235 050 32	23-51 TASK 801
Headphone		
● damaged		
- captain's	235 070 31	23-51 TASK 802
- first observer's	235 070 33	23-51 TASK 802
- first officer's	235 070 32	23-51 TASK 802
- second observer's	235 070 34	23-51 TASK 802
● does not operate		
- captain's	235 040 31	23-51 TASK 801
- first observer's	235 040 33	23-51 TASK 801
- first officer's	235 040 32	23-51 TASK 801
- second observer's	235 040 34	23-51 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
<u>23-5 COMMUNICATIONS - AUDIO INTEGRATION (continued)</u>		
Speaker in the flight compartment		
• does not operate		
- captain's	235 080 31	23-51 TASK 805
- first officer's	235 080 32	23-51 TASK 806
<u>23-7 COMMUNICATIONS - AUDIO AND VIDEO MONITORING</u>		
Flight deck door surveillance system		
• no video at all three camera positions	237 051 00	23-75 TASK 810
• no video at one or two camera positions during daytime conditions	237 052 00	23-75 TASK 811
• no video at one or two camera positions during nighttime conditions	237 053 00	23-75 TASK 812
Voice recorder		
• signal problem at monitor jack	237 010 00	23-71 TASK 801
• STATUS light or TEST light does not come on when TEST switch is pushed	237 020 00	23-71 TASK 804
• system operation problem (airplanes with AUTO/ON switch)	237 050 00	23-71 TASK 805
<u>24-1 ELECTRICAL POWER - GENERATOR DRIVE</u>		
DRIVE light		
• light on		
- generator 1	241 010 01	24-11 TASK 801
- generator 2	241 010 02	24-11 TASK 802
<u>24-2 ELECTRICAL POWER - AC GENERATION</u>		
APU GEN OFF BUS light		
• light on with APU generator on line	242 050 00	24-21 TASK 801
IDG differential pressure indicator		
• extended		
- left	242 121 41	24-11 TASK 803
- right	242 121 42	24-11 TASK 803
SOURCE OFF and GEN OFF BUS lights		
• lights on with IDG 1 and IDG 2 on line		
- no. 1	242 040 01	24-21 TASK 801
- no. 2	242 040 02	24-21 TASK 801
TRANSFER BUS OFF and SOURCE OFF lights		
• lights on with the APU generator on line		
- no. 1	242 060 01	24-21 TASK 801
- no. 2	242 060 02	24-21 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
<u>24-2 ELECTRICAL POWER - AC GENERATION (continued)</u>		
TRANSFER BUS OFF light		
• flickers with IDG on line		
- generator 1	242 070 01	24-21 TASK 818
- generator 2	242 070 02	24-21 TASK 819
<u>24-3 ELECTRICAL POWER - DC GENERATION</u>		
AC and DC metering panel		
• has missing segments	243 030 00	24-31 TASK 827
ELEC light		
• light on	243 050 00	24-31 TASK 801
STANDBY PWR OFF light		
• light on with AC power supplied and STANDBY POWER switch at AUTO or BAT	243 010 00	24-34 TASK 803
• light on with BAT switch at ON and STANDBY POWER switch at AUTO or BAT	243 020 00	24-34 TASK 803
TR UNIT light		
• light on	243 040 00	24-31 TASK 826
<u>24-4 ELECTRICAL POWER - EXTERNAL POWER</u>		
TRANSFER BUS OFF and SOURCE OFF lights		
• lights on with GRD PWR switch at ON		
- no. 1	244 010 01	24-41 TASK 801
- no. 1 and no. 2	244 010 48	24-41 TASK 801
- no. 2	244 010 02	24-41 TASK 801
<u>25-1 EQUIPMENT/FURNISHINGS - FLIGHT COMPARTMENT</u>		
Assist handle problem		
- captain's	251 100 31	25-99 TASK 801
- first officer's	251 100 32	25-99 TASK 801
Chart holder, sidewall problem		
- captain's	251 130 31	25-99 TASK 801
- first officer's	251 130 32	25-99 TASK 801
Cup holder problem		
- captain's	251 140 31	25-99 TASK 801
- first officer's	251 140 32	25-99 TASK 801
PC power system for flight deck		
• status LED at outlet does not operate normally		
- captain's	251 681 31	23-82 TASK 801
- first officer's	251 681 32	23-82 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
25-1 EQUIPMENT/FURNISHINGS - FLIGHT COMPARTMENT (continued)		
Seat		
● horizontal adjustment problem		
- captain's	251 020 31	25-99 TASK 801
- first officer's	251 020 32	25-99 TASK 801
● lumbar adjustment problem		
- captain's	251 030 31	25-99 TASK 801
- first officer's	251 030 32	25-99 TASK 801
● recline adjustment problem		
- captain's	251 040 31	25-99 TASK 801
- first officer's	251 040 32	25-99 TASK 801
● vertical adjustment problem		
- captain's	251 050 31	25-99 TASK 801
- first officer's	251 050 32	25-99 TASK 801
Seat arm rest problem		
- captain's	251 060 31	25-99 TASK 801
- first officer's	251 060 32	25-99 TASK 801
Seat belt problem		
- captain's	251 070 31	25-99 TASK 801
- first observer's	251 070 33	25-99 TASK 801
- first officer's	251 070 32	25-99 TASK 801
- second observer's	251 070 34	25-99 TASK 801
Seat track		
● does not move freely		
- captain's	251 080 31	25-99 TASK 801
- first officer's	251 080 32	25-99 TASK 801
Shoulder harness		
● does not extend or retract		
- captain's	251 090 31	25-99 TASK 801
- first observer's	251 090 33	25-99 TASK 801
- first officer's	251 090 32	25-99 TASK 801
Spare bulb kit		
● needs replenishing	251 110 00	25-99 TASK 801
Sun visor problem		
- captain's	251 120 31	25-99 TASK 801
- first officer's	251 120 32	25-99 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
25-6 EQUIPMENT/FURNISHINGS - EMERGENCY		
Circuit breaker collars (spare)		
• missing	256 201 00	25-99 TASK 801
Crash ax		
• missing	256 020 00	25-99 TASK 801
Escape rope (lanyard)		
• damaged		
- captain's	256 130 31	25-61 TASK 802
- first officer's	256 130 32	25-61 TASK 802
• unstowed		
- captain's	256 140 31	25-61 TASK 803
- first officer's	256 140 32	25-61 TASK 803
Escape rope (lanyard) compartment cover		
• will not close		
- captain's	256 120 31	25-61 TASK 801
- first officer's	256 120 32	25-61 TASK 801
Fireproof gloves		
• damaged	256 015 00	25-99 TASK 801
• missing	256 010 00	25-99 TASK 801
Flashlight		
• battery low	256 070 00	25-99 TASK 801
• damaged	256 080 00	25-99 TASK 801
• does not come on	256 090 00	33-55 TASK 801
• does not go off	256 091 00	33-55 TASK 801
• missing	256 100 00	25-99 TASK 801
Flashlight LED		
• does not come on	256 110 00	33-55 TASK 801
Life vest		
• missing/damaged		
- captain's	256 050 31	25-99 TASK 801
- first observer's	256 050 33	25-99 TASK 801
- first officer's	256 050 32	25-99 TASK 801
- second observer's	256 050 34	25-99 TASK 801
Smoke goggles		
• missing		
- captain's	256 060 31	25-99 TASK 801
- first officer's	256 060 32	25-99 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
<u>26-1 FIRE PROTECTION - FIRE/OVERHEAT DETECTION</u>		
APU		
• fire false alarm	261 060 00	26-10 TASK 801
APU DET INOP light		
• light on	261 050 00	26-10 TASK 801
Cargo fire detection		
• AFT cargo fire light on (false alarm)	261 225 45	26-16 TASK 801
• FWD cargo fire light on (false alarm)	261 225 44	26-16 TASK 801
• MAIN cargo fire light on (false alarm)	261 225 00	26-16 TASK 801
Cargo fire test		
• test failed, AFT cargo fire light does not come on, DETECTOR FAULT light comes on		
- DET SELECT switch at A	261 205 45	26-16 TASK 804
- DET SELECT switch at B	261 210 45	26-16 TASK 804
- DET SELECT switch at NORM	261 215 45	26-16 TASK 804
• test failed, AFT cargo fire light does not come on, DETECTOR FAULT light is off	261 200 45	26-16 TASK 806
• test failed, FWD cargo fire light does not come on, DETECTOR FAULT light comes on		
- DET SELECT switch at A	261 205 44	26-16 TASK 804
- DET SELECT switch at B	261 210 44	26-16 TASK 804
- DET SELECT switch at NORM	261 215 44	26-16 TASK 804
• test failed, FWD cargo fire light does not come on, DETECTOR FAULT light is off	261 200 44	26-16 TASK 806
• test failed, warning lights and alarm do not operate	261 220 00	26-16 TASK 807
ENG 1 OVERHEAT light		
• light on (false alarm)	261 010 51	26-10 TASK 801
ENG 2 OVERHEAT light		
• light on (false alarm)	261 010 52	26-10 TASK 801
Engine 1 fire false alarm	261 020 51	26-10 TASK 801
Engine 2 fire false alarm	261 020 52	26-10 TASK 801
FAULT light for the fire detection system on (P8 control stand)		
- engine 1	261 040 51	26-10 TASK 801
- engine 2	261 040 52	26-10 TASK 801

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	<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
<u>26-1 FIRE PROTECTION - FIRE/OVERHEAT DETECTION (continued)</u>			
OVHT/FIRE TEST			
●	test failed, warning lights and alarm do not operate		
-	APU	261 070 00	26-10 TASK 801
-	engine 1	261 030 51	26-10 TASK 801
-	engine 2	261 030 52	26-10 TASK 801
-	wheel well	261 100 00	26-18 TASK 801
WHEEL WELL light			
●	light on	261 090 00	26-18 TASK 801
WING-BODY OVERHEAT light			
●	light does not come on when OVHT/TEST switch is pushed		
-	left	261 120 41	26-18 TASK 801
-	left and right	261 120 48	26-18 TASK 801
-	right	261 120 42	26-18 TASK 801
●	light on	261 110 00	26-18 TASK 801
<u>26-2 FIRE PROTECTION - EXTINGUISHING</u>			
APU BOTTLE DISCHARGED light for the APU fire extinguishing system			
●	light on	262 070 00	26-20 TASK 802
APU fire extinguishing			
●	bottle does not release extinguishant when activated at the remote APU fire control panel	262 130 00	26-20 TASK 804
●	bottle does not release extinguishant when the fire handle is turned	262 120 00	26-20 TASK 803
●	indication not normal when the EXT TEST switch is moved to 1 or 2	262 080 00	26-20 TASK 801
Cargo fire extinguishing			
●	bottle does not release extinguishant when DISCH switch is pushed	262 200 00	26-23 TASK 803
●	DISCH light on, DISCH switch not pushed	262 205 00	26-23 TASK 802
Cargo fire test			
●	test failed, EXT AFT light does not come on	262 210 45	26-23 TASK 812
●	test failed, EXT FWD light does not come on	262 210 44	26-23 TASK 812
Engine fire extinguishing			
●	indication not normal when the EXT TEST switch is moved to 1	262 010 00	26-20 TASK 801
●	indication not normal when the EXT TEST switch is moved to 2	262 020 00	26-20 TASK 801

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<u>26-2 FIRE PROTECTION - EXTINGUISHING (continued)</u>		
left bottle does not release extinguishant when the fire handle is turned	262 030 00	26-20 TASK 803
right bottle does not release extinguishant when the fire handle is turned	262 040 00	26-20 TASK 803
Fire extinguisher, flight compartment		
missing	262 110 00	26-99 TASK 801
seal broken or missing	262 090 00	26-99 TASK 801
used	262 100 00	26-99 TASK 801
L BOTTLE DISCHARGED light		
light on for the engine fire extinguishing	262 050 00	26-20 TASK 802
R BOTTLE DISCHARGED light		
light on for the engine fire extinguishing	262 060 00	26-20 TASK 802
<u>27-0 FLIGHT CONTROLS - GENERAL</u>		
Flight control surface position indication		
missing indication for one or more surfaces	270 081 00	31-63 TASK 825
FLT CONTROL A LOW PRESSURE light		
light on	270 010 00	27-21 TASK 813
FLT CONTROL B LOW PRESSURE light		
light on	270 020 00	27-21 TASK 814
<u>27-1 FLIGHT CONTROLS - AILERONS AND FLAPERONS</u>		
Aileron		
- does not go back to neutral - left - left and right - right	271 060 41 271 060 48 271 060 42	27-11 TASK 803 27-11 TASK 802 27-11 TASK 803
- does not move to full travel - left - left and right - right	271 010 41 271 010 48 271 010 42	27-11 TASK 805 27-11 TASK 806 27-11 TASK 805
- does not operate - left - left and right - right	271 020 41 271 020 48 271 020 42	27-11 TASK 807 27-11 TASK 812 27-11 TASK 807
high trim	271 120 00	27-11 TASK 816
slow response to control wheel movement, hydraulic power on	271 110 00	27-11 TASK 808

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
<u>27-1 FLIGHT CONTROLS - AILERONS AND FLAPERONS (continued)</u>		
Control wheel		
• does not move freely		
- captain's	271 030 31	27-11 TASK 813
- first officer's	271 030 32	27-11 TASK 813
• does not stay in the center position from one direction		
- captain's	271 100 31	27-11 TASK 810
- captain's and first officer's	271 100 48	27-11 TASK 810
- first officer's	271 100 32	27-11 TASK 810
• has too much play		
- captain's	271 040 31	27-11 TASK 801
- captain's and first officer's	271 040 48	27-11 TASK 801
- first officer's	271 040 32	27-11 TASK 801
• high force, hydraulic power off		
- captain's	271 080 31	27-11 TASK 809
- captain's and first officer's	271 080 48	27-11 TASK 809
- first officer's	271 080 32	27-11 TASK 809
• high force, hydraulic power on		
- captain's	271 070 31	27-11 TASK 804
- captain's and first officer's	271 070 48	27-11 TASK 804
- first officer's	271 070 32	27-11 TASK 804
• light force in one or both directions		
- captain's	271 090 31	27-11 TASK 811
- captain's and first officer's	271 090 48	27-11 TASK 811
- first officer's	271 090 32	27-11 TASK 811
Wing down aileron trim		
• does not operate		
- left	271 050 41	27-11 TASK 814
- left and right	271 050 48	27-11 TASK 815
- right	271 050 42	27-11 TASK 814
<u>27-2 FLIGHT CONTROLS - RUDDER</u>		
Nose rudder trim		
• does not operate		
- left	272 010 41	27-21 TASK 801
- left and right	272 010 48	27-21 TASK 803
- right	272 010 42	27-21 TASK 802
Rudder		
• does not move correctly	272 040 00	27-21 TASK 806
• does not move freely	272 050 00	27-21 TASK 807

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
27-2 FLIGHT CONTROLS - RUDDER (continued)		
• STBY RUD ON light is on	272 070 00	27-21 TASK 817
• surface has excessive play	272 060 00	27-21 TASK 808
Rudder pedals		
• adjustment crank does not move freely		
- captain's	272 070 31	27-21 TASK 809
- first officer's	272 070 32	27-21 TASK 809
• adjustment crank turns but rudder pedals do not move		
- captain's	272 080 31	27-21 TASK 810
- first officer's	272 080 32	27-21 TASK 810
• do not move freely		
- captain's	272 090 31	27-21 TASK 811
- first officer's	272 090 32	27-21 TASK 811
• kick back during flight	272 092 00	27-21 TASK 816
RUDDER TRIM indicator		
• does not operate correctly	272 020 00	27-21 TASK 804
• light not on	272 030 00	27-21 TASK 805
Trim switch		
• does not operate correctly	272 100 00	27-21 TASK 812
27-3 FLIGHT CONTROLS - ELEVATOR		
Autopilot		
• travel is not within limits, column force is normal	273 010 00	27-31 TASK 809
Control column		
• does not move freely		
- captain's	273 020 31	27-31 TASK 801
- first officer's	273 020 32	27-31 TASK 801
• high force, hydraulic power off	273 150 00	27-31 TASK 814
• high force, hydraulic power on	273 140 00	27-31 TASK 813
• low force	273 130 00	27-31 TASK 812
• shaker does not operate during test	273 110 00	27-32 TASK 801
Elevator		
• control cable tension repeatedly checks low	273 030 00	27-31 TASK 802
• does not move correctly	273 040 00	27-31 TASK 810
• too much play in elevator surface	273 050 00	27-31 TASK 804
Elevator tab surface		
• has too much play	273 120 00	27-31 TASK 805

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<u>27-3 FLIGHT CONTROLS - ELEVATOR (continued)</u>		
FEEL DIFF PRESS light		
• light on	273 060 00	27-31 TASK 803
Neutral shift		
• does not operate correctly	273 080 00	27-31 TASK 807
Pitch control		
• too sensitive in control wheel steering mode (airplane overreacts to column input)	273 090 00	27-31 TASK 811
Pitch up or pitch down of airplane too much	273 100 00	27-31 TASK 808
SPD LIM shows		
- captain's	273 160 31	27-32 TASK 831
- first officer's	273 160 32	27-32 TASK 833
Vibration in aft and forward fuselage	273 070 00	27-31 TASK 806
<u>27-4 FLIGHT CONTROLS - HORIZONTAL STABILIZER</u>		
Stabilizer		
• control cable tension repeatedly checks low	274 010 00	27-41 TASK 801
• fails to trim		
- nose down	274 020 00	27-41 TASK 802
- nose up	274 030 00	27-41 TASK 803
- nose up and nose down	274 040 00	27-41 TASK 804
• too much play in stabilizer surface	274 060 00	27-41 TASK 813
Stabilizer trim		
• does not hold position in flight	274 130 00	27-41 TASK 812
• does not move freely	274 070 00	27-41 TASK 805
• moves with slow speed only	274 080 00	27-41 TASK 810
• wheel coasts more than 2.5 turns (flaps down)	274 120 00	27-41 TASK 811
Stabilizer trim switches		
• do not operate trim down		
- captain's	274 160 31	27-41 TASK 806
- first officer's	274 160 32	27-41 TASK 808
• do not operate trim up		
- captain's	274 150 31	27-41 TASK 806
- first officer's	274 150 32	27-41 TASK 808
• do not operate trim up and trim down		
- captain's	274 170 31	27-41 TASK 807
- first officer's	274 170 32	27-41 TASK 809

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
<u>27-5 FLIGHT CONTROLS - FLAPS</u>		
Flap position indicator		
• has fast movement	275 030 00	27-51 TASK 844
• has needles split	275 040 00	27-51 TASK 840
• has slow movement	275 050 00	27-51 TASK 845
• needle(s) do not operate	275 060 00	27-51 TASK 841
• needle(s) stick	275 070 00	27-51 TASK 842
Flaps		
• do not extend with alternate control	275 091 00	27-51 TASK 838
• do not operate with alternate control	275 090 00	27-51 TASK 837
• do not operate with primary control	275 080 00	27-51 TASK 836
• do not retract with alternate control	275 092 00	27-51 TASK 839
• lever does not move freely	275 100 00	27-51 TASK 843
• load relief occurs at wrong airspeed	275 020 00	27-51 TASK 803
• operation is fast	275 110 00	27-51 TASK 844
• operation is slow	275 120 00	27-51 TASK 845
• TE flap transmission torque trip indicator extended	275 140 00	27-51 TASK 849
<u>27-6 FLIGHT CONTROLS - SPOILERS AND DRAG DEVICES</u>		
Speed brake		
• auto extend does not operate	276 040 00	27-62 TASK 804
• auto retract does not operate	276 050 00	27-62 TASK 805
• chatters	276 060 00	27-62 TASK 806
• flight detent does not operate	276 070 00	27-61 TASK 802
• lever does not move freely	276 080 00	27-62 TASK 807
SPEED BRAKE ARMED light		
• does not operate	276 020 00	27-62 TASK 803
SPEED BRAKE DO NOT ARM light		
• light on	276 030 00	27-62 TASK 802
SPEEDBRAKES EXTENDED light		
• light on with airplane on the ground	276 035 00	27-62 TASK 814
Spoilers		
• do not move in one direction	276 110 00	27-61 TASK 804
• flight spoilers do not operate	276 090 00	27-61 TASK 802
• ground spoilers do not operate	276 100 00	27-61 TASK 803
• spoiler panel(s) float	276 010 00	27-61 TASK 801
<u>27-8 FLIGHT CONTROLS - LIFT AUGMENTATION</u>		
AUTO SLAT FAIL light		
• light on	278 060 00	27-32 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
<u>27-8 FLIGHT CONTROLS - LIFT AUGMENTATION (continued)</u>		
Leading edge flaps		
• droops too much with hydraulic pressure off	278 010 00	27-81 TASK 801
• TRANSIT light stays on		
- 1	278 070 01	27-88 TASK 820
- 2	278 070 02	27-88 TASK 820
- 3	278 070 03	27-88 TASK 820
- 4	278 070 04	27-88 TASK 820
Leading edge flaps and slats		
• do not extend during alternate system operation	278 020 00	27-81 TASK 802
• do not extend during normal system operation	278 030 00	27-81 TASK 803
• do not retract	278 040 00	27-81 TASK 803
• one or more leading edge surfaces operate slowly	278 050 00	27-81 TASK 805
Leading edge slats		
• TRANSIT light stays on		
- 1	278 080 01	27-88 TASK 820
- 2	278 080 02	27-88 TASK 820
- 3	278 080 03	27-88 TASK 820
- 4	278 080 04	27-88 TASK 820
- 5	278 080 05	27-88 TASK 820
- 6	278 080 06	27-88 TASK 820
- 7	278 080 07	27-88 TASK 820
- 8	278 080 08	27-88 TASK 820
<u>28-2 FUEL - DISTRIBUTION</u>		
Crossfeed VALVE OPEN light		
• does not come on when the valve is in transit	282 125 00	28-22 TASK 808
• stays on bright when the crossfeed selector is moved to the off position	282 120 00	28-22 TASK 807
• stays on bright when the crossfeed selector is moved to the on position	282 110 00	28-22 TASK 807
Fuel suction feed		
• engine does not continue running the full five minutes during Engine Fuel Suction Feed Operational Test	282 251 00	28-22 TASK 819

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28-2 FUEL - DISTRIBUTION (continued)		
Fuel tank		
• boost pump circuit breaker open		
- center tank, left pump	282 301 43	28-22 TASK 817
- center tank, right pump	282 302 43	28-22 TASK 818
- No. 1 tank, aft pump	282 301 01	28-22 TASK 814
- No. 1 tank, forward pump	282 302 01	28-22 TASK 813
- No. 2 tank, aft pump	282 301 02	28-22 TASK 816
- No. 2 tank, forward pump	282 302 02	28-22 TASK 815
Fuel transfer (migration)		
• Unwanted fuel transfer from a main tank to the center tank	282 100 00	28-21 TASK 803
• Unwanted fuel transfer from the center tank to the No. 1 tank	282 101 00	28-21 TASK 814
• Unwanted fuel transfer from the center tank to the No. 2 tank	282 102 00	28-21 TASK 815
LOW PRESSURE light for the fuel pump		
• light on		
- center tank, left pump	282 130 43	28-22 TASK 801
- center tank, right pump	282 140 43	28-22 TASK 802
- no. 1 aft fuel pump	282 150 01	28-22 TASK 803
- no. 1 fwd and aft fuel pumps	282 160 01	28-22 TASK 803
- no. 1 fwd fuel pump	282 170 01	28-22 TASK 804
- no. 2 aft fuel pump	282 150 02	28-22 TASK 805
- no. 2 fwd and aft fuel pumps	282 160 02	28-22 TASK 805
- no. 2 fwd fuel pump	282 170 02	28-22 TASK 806
Refuel quantity indicator		
• blank		
- all tanks	282 010 48	28-21 TASK 804
- center tank	282 010 43	28-21 TASK 804
- tank no. 1	282 010 01	28-21 TASK 804
- tank no. 2	282 010 02	28-21 TASK 804
• display is not correct with switch at TEST GAGES		
- all tanks	282 011 48	28-21 TASK 802
- center tank	282 011 43	28-21 TASK 802
- tank no. 1	282 011 01	28-21 TASK 802
- tank no. 2	282 011 02	28-21 TASK 802

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
28-2 FUEL - DISTRIBUTION (continued)		
● flashes		
- center tank	282 015 43	28-21 TASK 816
- tank no. 1	282 015 01	28-21 TASK 816
- tank no. 2	282 015 02	28-21 TASK 816
● shows ARINC error message		
- all tanks	282 013 48	28-21 TASK 817
- center tank	282 013 43	28-21 TASK 817
- tank no. 1	282 013 01	28-21 TASK 817
- tank no. 2	282 013 02	28-21 TASK 817
● shows Ind FAIL		
- all tanks	282 012 48	28-21 TASK 805
- center tank	282 012 43	28-21 TASK 805
- tank no. 1	282 012 01	28-21 TASK 805
- tank no. 2	282 012 02	28-21 TASK 805
Refuel valve light		
● light does not come on with valves selected open and refueling manifold pressurized		
- all tanks	282 030 48	28-21 TASK 807
- center tank	282 030 43	28-21 TASK 807
● light does not go off after pressing the press-to-test switch		
- all tanks	282 020 48	28-21 TASK 806
- center tank	282 020 43	28-21 TASK 806
- tank no. 1	282 020 01	28-21 TASK 806
- tank no. 2	282 020 02	28-21 TASK 806
Refuel valve position indicator light does not come on with valves selected open and refueling manifold pressurized		
- tank no. 1	282 030 01	28-21 TASK 807
- tank no. 2	282 030 02	28-21 TASK 807
Refueling		
● all refueling is prevented	282 040 00	28-21 TASK 808
● fuel spill at surge tank	282 050 00	28-21 TASK 801
● valve does not close with switch at CLOSED		
- all tanks	282 070 48	28-21 TASK 806
- center tank	282 070 43	28-21 TASK 806
- tank no. 1	282 070 01	28-21 TASK 806
- tank no. 2	282 070 02	28-21 TASK 806
Refueling panel light		
● light does not come on with ground power on the airplane	282 080 00	28-21 TASK 810

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<u>28-2 FUEL - DISTRIBUTION (continued)</u>		
SPAR VALVE CLOSED light		
• does not come on when the valve is in transit		
- engine 1	282 240 51	28-22 TASK 811
- engine 2	282 240 52	28-22 TASK 812
• slow to go from bright to dim when start lever moved to CUTOFF		
- engine 1	282 180 51	28-22 TASK 809
- engine 2	282 180 52	28-22 TASK 810
• slow to go from bright to off when start lever moved to IDLE		
- engine 1	282 190 51	28-22 TASK 809
- engine 2	282 190 52	28-22 TASK 810
• stays on bright when start lever moved to CUTOFF		
- engine 1	282 200 51	28-22 TASK 809
- engine 2	282 200 52	28-22 TASK 810
• stays on bright when start lever moved to IDLE		
- engine 1	282 210 51	28-22 TASK 809
- engine 2	282 210 52	28-22 TASK 810
<u>28-4 FUEL - INDICATING</u>		
FQIS BITE INOP message		
• shows on CDU	284 101 00	28-41 TASK 819
Fuel quantity indication, flight compartment		
• CONFIG message shows	284 022 00	28-41 TASK 820
• error or blank		
- all tanks	284 020 48	28-41 TASK 813
- center tank	284 020 43	28-41 TASK 813
- no. 1 tank	284 020 01	28-41 TASK 813
- no. 2 tank	284 020 02	28-41 TASK 813
• fluctuates or is too high or too low		
- center tank	284 010 43	28-41 TASK 814
- no. 1 tank	284 010 01	28-41 TASK 814
- no. 2 tank	284 010 02	28-41 TASK 814
• IMBAL message shows	284 023 00	28-41 TASK 820
• LOW message shows	284 024 00	28-41 TASK 820
Fuel temperature indicator		
• does not operate correctly	284 030 00	28-43 TASK 801

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<u>29-1 HYDRAULIC POWER - MAIN</u>		
Electrical power		
• power to the electric motor-driven pump is interrupted during normal operation		
- system A	291 020 00	29-10 TASK 803
- system B	291 025 00	29-10 TASK 804
ENG 1 LOW PRESSURE light		
• light off when the electric motor-driven pump is operated	291 010 51	29-10 TASK 801
ENG 2 LOW PRESSURE light		
• light off when the electric motor-driven pump is operated	291 010 52	29-10 TASK 802
Fire handle in the pulled position while engine turns		
- engine 1	291 201 51	29-11 TASK 801
- engine 2	291 201 52	29-11 TASK 801
Hydraulic fluid		
• comes out of the reservoir vent line	291 050 00	29-10 TASK 805
• comes out of the reservoir vent line drain mast	291 060 00	29-10 TASK 805
• fluid leakage	291 040 00	29-10 TASK 812
• transfers from system A to system B	291 070 00	29-10 TASK 806
• transfers from system B to system A	291 080 00	29-10 TASK 807
Hydraulic pressure indication		
• above 3200 psi		
- system A	291 090 00	29-10 TASK 808
- system B	291 100 00	29-10 TASK 809
• below 2800 psi		
- system A	291 110 00	29-10 TASK 810
- system B	291 120 00	29-10 TASK 811
• momentarily below 2900 psi		
- system A	291 131 00	29-10 TASK 813
- system B	291 132 00	29-10 TASK 813
- systems A and B	291 133 00	29-10 TASK 813
<u>29-2 HYDRAULIC POWER - AUXILIARY</u>		
PTU		
• does not operate	292 040 00	29-20 TASK 804
Standby hydraulic pump		
• does not operate	292 010 00	29-20 TASK 801
<u>29-3 HYDRAULIC POWER - INDICATING</u>		
ELEC 1 LOW PRESSURE light		
• light on	293 190 00	29-30 TASK 810

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29-3 HYDRAULIC POWER - INDICATING (continued)		
ELEC 1 OVERHEAT light		
• light on	293 030 00	29-30 TASK 805
ELEC 2 LOW PRESSURE light		
• light on	293 200 00	29-30 TASK 811
ELEC 2 OVERHEAT light		
• light on	293 040 00	29-30 TASK 806
ENG 1 LOW PRESSURE light		
• light on	293 210 51	29-30 TASK 812
ENG 2 LOW PRESSURE light		
• light on	293 210 52	29-30 TASK 813
Hydraulic fluid quantity indication		
• does not return to the same level after operation of a "heavy use" system	293 150 00	29-30 TASK 808
• error or blank		
- system A	293 050 00	31-62 TASK 801
- system B	293 060 00	31-62 TASK 801
• flight compartment display and hydraulic reservoir gauge do not read the same		
- system A	293 070 00	31-62 TASK 801
- system B	293 080 00	31-62 TASK 801
• flight compartment display moves erratically or jumps between readings		
- system A	293 110 00	31-62 TASK 801
- system B	293 120 00	31-62 TASK 801
• flight compartment display shows zero, reservoir has hydraulic fluid		
- system A	293 090 00	31-62 TASK 801
- system B	293 100 00	31-62 TASK 801
• shows RF (76%)		
- system A	293 130 00	29-30 TASK 815
- system B	293 140 00	29-30 TASK 815
Hydraulic pressure indication		
• zero		
- system A	293 020 00	29-30 TASK 803
- system B	293 025 00	29-30 TASK 804

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<u>29-3 HYDRAULIC POWER - INDICATING (continued)</u>		
Hydraulic reservoir gauge		
• shows zero or below, reservoir has hydraulic fluid		
- system A	293 160 00	29-30 TASK 808
- system B	293 170 00	29-30 TASK 808
STANDBY HYD LOW PRESSURE light		
• light on	293 220 00	29-30 TASK 814
STANDBY HYD LOW QUANTITY light		
• light on	293 180 00	29-30 TASK 809
<u>30-1 ICE AND RAIN PROTECTION - AIRFOIL</u>		
WING ANTI-ICE L VALVE OPEN light		
• does not come on	301 080 00	30-11 TASK 805
• does not go bright during transition	301 015 41	30-11 TASK 804
• slow to go from bright to dim when switch is moved to ON	301 010 00	30-11 TASK 801
• slow to go from bright to off when switch is moved to OFF	301 020 00	30-11 TASK 802
• stays on bright	301 030 00	30-11 TASK 803
WING ANTI-ICE R VALVE OPEN light		
• does not come on	301 090 00	30-11 TASK 805
• does not go bright during transition	301 015 42	30-11 TASK 804
• slow to go from bright to dim when switch is moved to ON	301 050 00	30-11 TASK 801
• slow to go from bright to off when switch is moved to OFF	301 060 00	30-11 TASK 802
• stays on bright	301 070 00	30-11 TASK 803
WING ANTI-ICE switch		
• does not latch in the ON position with the engines not operating	301 100 00	30-11 TASK 806
• unlatches when the engines are operating	301 110 00	30-11 TASK 807
<u>30-2 ICE AND RAIN PROTECTION - AIR INTAKES</u>		
COWL ANTI-ICE light		
• light comes on at high thrust setting (takeoff or climb) and goes off at reduced thrust		
- ENG ANTI-ICE 1	302 011 51	30-21 TASK 809
- ENG ANTI-ICE 2	302 011 52	30-21 TASK 809
• light comes on independent of engine thrust setting		
- ENG ANTI-ICE 1	302 010 51	30-21 TASK 801
- ENG ANTI-ICE 2	302 010 52	30-21 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
30-2 ICE AND RAIN PROTECTION - AIR INTAKES (continued)		
COWL VALVE OPEN light		
• slow to go from bright to dim when switch is moved to ON		
- ENG ANTI-ICE 1	302 020 51	30-21 TASK 802
- ENG ANTI-ICE 2	302 020 52	30-21 TASK 802
• slow to go from bright to off when switch is moved to OFF		
- ENG ANTI-ICE 1	302 030 51	30-21 TASK 803
- ENG ANTI-ICE 2	302 030 52	30-21 TASK 803
• stays on bright		
- ENG ANTI-ICE 1	302 040 51	30-21 TASK 804
- ENG ANTI-ICE 2	302 040 52	30-21 TASK 804
• stays on bright when switch is moved to ON		
- ENG ANTI-ICE 1	302 050 51	30-21 TASK 805
- ENG ANTI-ICE 2	302 050 52	30-21 TASK 805
30-3 ICE AND RAIN PROTECTION - PITOT AND STATIC (AIR DATA SENSORS)		
AUX PITOT light		
• light on	303 010 00	30-31 TASK 801
CAPT PITOT light		
• light on	303 020 00	30-31 TASK 802
F/O PITOT light		
• light on	303 030 00	30-31 TASK 803
L ALPHA VANE light		
• light on	303 040 00	30-31 TASK 804
L ELV PITOT light		
• light on	303 050 00	30-31 TASK 805
Pitot probe		
• does not get hot	303 060 00	30-31 TASK 806
Probe heater indicator lights		
• do not come on when PITOT STATIC HEAT switches are OFF	303 070 00	30-31 TASK 807
R ALPHA VANE light		
• light on	303 080 00	30-31 TASK 808
R ELV PITOT light		
• light on	303 090 00	30-31 TASK 809
TEMP PROBE light		
• light on	303 100 00	30-31 TASK 810

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
30-4 ICE AND RAIN PROTECTION - WINDOWS, WINDSHIELD AND DOORS		
Window heat		
• does not heat correctly		
- side window	304 090 00	30-41 TASK 809
- upper window	304 100 00	Reference Not Currently Available
- windshield	304 080 00	30-41 TASK 802
• lights do not operate correctly when the test switch is moved to PWR TEST	304 050 00	30-41 TASK 801
• master caution and OVERHEAT lights do not operate correctly when the test switch is moved to OVHT	304 060 00	30-41 TASK 801
WINDOW HEAT OVERHEAT light		
• light on		
- L FWD	304 010 41	30-41 TASK 801
- L SIDE	304 020 41	30-41 TASK 801
- R FWD	304 010 42	30-41 TASK 801
- R SIDE	304 020 42	30-41 TASK 801
WINDOW HEAT Power ON light		
• does not come on		
- L FWD	304 030 41	30-41 TASK 801
- L SIDE	304 040 41	30-41 TASK 801
- R FWD	304 030 42	30-41 TASK 801
- R SIDE	304 040 42	30-41 TASK 801
Windshield wiper		
• does not operate in any switch position		
- left	304 200 41	30-42 TASK 801
- right	304 200 42	30-42 TASK 801
• does not operate in one switch position		
- left	304 210 41	30-42 TASK 802
- right	304 210 42	30-42 TASK 802
• does not park in the correct position		
- left	304 240 41	30-42 TASK 805
- right	304 240 42	30-42 TASK 805
• does not remove water correctly		
- left	304 260 41	30-42 TASK 807
- right	304 260 42	30-42 TASK 807
• does not stop		
- left	304 250 41	30-42 TASK 806
- right	304 250 42	30-42 TASK 806

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
30-4 ICE AND RAIN PROTECTION - WINDOWS, WINDSHIELD AND DOORS (continued)		
- speed is incorrect - left - right - sweep is incorrect - left - right	304 220 41 304 220 42 304 230 41 304 230 42	30-42 TASK 804 30-42 TASK 804 30-42 TASK 803 30-42 TASK 803
30-7 ICE AND RAIN PROTECTION - WATER LINES		
Drain mast - does not heat - overheats	307 010 00 307 020 00	30-71 TASK 801 30-71 TASK 802
31-2 INDICATING/RECORDING SYSTEMS - INDEPENDENT INSTRUMENTS		
Clock - does not operate - captain's - first officer's	312 020 31 312 020 32	31-25 TASK 801 31-25 TASK 802
Landing warning horn - does not sound - sounds (false warning)	312 030 00 312 035 00	31-51 TASK 815 31-51 TASK 815
Takeoff warning horn - does not sound - sounds (false warning)	312 010 00 312 015 00	31-51 TASK 803 31-51 TASK 803
31-3 INDICATING/RECORDING SYSTEMS - RECORDERS		
FLIGHT RECORDER OFF light light on	313 010 00	31-31 TASK 805
Printer (flight deck) FAIL light is on	313 202 00	31-33 TASK 802
31-5 INDICATING/RECORDING SYSTEMS - CENTRAL WARNING SYSTEM		
MASTER CAUTION light light does not come on during test	315 101 00	31-52 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
<u>31-6 INDICATING/RECORDING SYSTEMS - CENTRAL DISPLAY SYSTEM</u>		
CDS display unit problem		
- center lower	316 050 47	31-63 TASK 824
- center upper	316 050 46	31-63 TASK 824
- left inboard	316 030 41	31-63 TASK 824
- left outboard	316 040 41	31-63 TASK 824
- right inboard	316 030 42	31-63 TASK 824
- right outboard	316 040 42	31-63 TASK 824
CDS FAULT annunciation shows on pilot's display		
- captain's	316 070 31	31-62 TASK 801
- first officer's	316 070 32	31-62 TASK 801
CDS MAINT annunciation shows on pilot's display		
- captain's	316 060 31	31-62 TASK 801
- first officer's	316 060 32	31-62 TASK 801
DISPLAYS CONTROL PANEL annunciation shows on pilot's display		
- captain's	316 026 31	31-62 TASK 801
- first officer's	316 026 32	31-62 TASK 801
DSPLY SOURCE annunciation shows on pilot's display		
- captain's	316 080 31	31-63 TASK 820
- first officer's	316 080 32	31-63 TASK 820
EFIS control panel problem		
- captain's	316 020 31	31-63 TASK 819
- first officer's	316 020 32	31-63 TASK 821
EFIS CP annunciation shows on pilot's display		
- captain's	316 025 31	31-62 TASK 801
- first officer's	316 025 32	31-62 TASK 801
<u>32-0 LANDING GEAR - GENERAL</u>		
Air mode		
• shows with the airplane on the ground	320 020 00	32-09 TASK 801
Ground mode		
• shows with airplane in the air	320 030 00	32-09 TASK 801
PSEU		
• BITE display is blank	320 040 00	32-09 TASK 811
PSEU light		
• light does not come on during test	320 060 00	33-10 TASK 801
• light on	320 050 00	32-09 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
<u>32-3 LANDING GEAR - EXTENSION AND RETRACTION</u>		
Landing gear lever		
does not move to the UP position in flight, is free to move to the UP position when the lock override is used	323 010 00	32-30 TASK 813
Main landing gear		
- slow to extend - left - left and right - right - slow to retract - left - left and right - right	323 090 41 323 090 48 323 090 42 323 080 41 323 080 48 323 080 42	32-32 TASK 804 32-32 TASK 803 32-32 TASK 804 32-32 TASK 804 32-32 TASK 803 32-32 TASK 804
Nose landing gear		
- NOSE GEAR red light on, airplane on ground - slow to extend - slow to retract	323 140 00 323 120 00 323 130 00	32-30 TASK 814 32-30 TASK 806 32-30 TASK 806
<u>32-4 LANDING GEAR - WHEELS AND BRAKES</u>		
ANTISKID INOP light		
light on	324 070 00	32-42 TASK 829
Auto brake		
deceleration rate is not correct	324 090 00	32-42 TASK 807
AUTO BRAKE DISARM light		
light on	324 080 00	32-42 TASK 828
Brake pressure indicator		
- does not operate - low/zero with parking brake released - low/zero with parking brake set	324 020 00 324 010 00 324 110 00	32-42 TASK 815 32-42 TASK 814 32-42 TASK 814
Brakes		
- grab, drag, or lock - pull to the left - pull to the right	324 030 00 324 040 00 324 050 00	32-42 TASK 816 32-42 TASK 817 32-42 TASK 817
Parking brake		
- lever does not release - lever does not set - warning light does not operate - external power receptacle panel - flight compartment	324 120 00 324 130 00 324 145 00 324 140 00	32-42 TASK 818 32-42 TASK 818 32-42 TASK 830 32-42 TASK 819

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<u>32-4 LANDING GEAR - WHEELS AND BRAKES (continued)</u>		
Tire problem		
- main gear left inboard	324 150 02	32-42 TASK 820
- main gear left outboard	324 150 01	32-42 TASK 820
- main gear right inboard	324 150 03	32-42 TASK 820
- main gear right outboard	324 150 04	32-42 TASK 820
- nose gear left	324 150 05	32-42 TASK 820
- nose gear right	324 150 06	32-42 TASK 820
<u>32-5 LANDING GEAR - STEERING</u>		
Nose wheel		
• makes a loud noise in the wheel well	325 010 00	32-51 TASK 801
• strut bottoms during taxi	325 020 00	32-51 TASK 802
• vibrates at gear retraction	325 030 00	32-51 TASK 803
• vibrates at landing	325 040 00	32-51 TASK 804
• vibrates at takeoff	325 050 00	32-51 TASK 804
• vibrates during taxi	325 045 00	32-51 TASK 804
Rudder pedal steering		
• does not operate, tiller steering normal	325 060 00	32-51 TASK 805
• does not steer straight	325 061 00	32-51 TASK 810
Tiller steering		
• does not operate	325 070 00	32-51 TASK 806
• response is sluggish	325 080 00	32-51 TASK 807
• steers in left direction only	325 090 00	32-51 TASK 808
• steers in right direction only	325 100 00	32-51 TASK 808
<u>32-6 LANDING GEAR - POSITION AND WARNING</u>		
Landing gear		
• all LEFT GEAR, RIGHT GEAR, and NOSE GEAR red and green lights are on at the same time	326 072 00	32-30 TASK 816
Landing gear position lights		
• lights not correct	326 010 00	32-09 TASK 801
Landing gear, main and nose		
• all gear extends with landing gear lever at OFF, NOSE GEAR, RIGHT GEAR, and LEFT GEAR green lights on . .	326 070 00	32-30 TASK 809
• does not extend when landing gear lever moved to DN position	326 076 00	32-30 TASK 816
• does not retract when landing gear lever moved to UP position	326 075 00	32-30 TASK 815

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
32-6 LANDING GEAR - POSITION AND WARNING (continued)		
Main landing gear		
• LEFT GEAR green light does not come on with landing gear lever at DN, LEFT GEAR red light on, alternate gear extension was attempted	326 040 41	32-32 TASK 805
• LEFT GEAR green light does not come on with landing gear lever at DN, LEFT GEAR red light on, indications normal after alternate gear extension	326 050 41	32-32 TASK 802
• LEFT GEAR green light does not go off with landing gear lever at UP, LEFT GEAR red light on	326 060 41	32-32 TASK 801
• RIGHT GEAR green light does not come on with landing gear lever at DN, RIGHT GEAR red light on, alternate gear extension was attempted	326 040 42	32-32 TASK 805
• RIGHT GEAR green light does not come on with landing gear lever at DN, RIGHT GEAR red light on, indications normal after alternate gear extension	326 050 42	32-32 TASK 802
• RIGHT GEAR green light does not go off with landing gear lever at UP, RIGHT GEAR red light on	326 060 42	32-32 TASK 801
Nose landing gear		
• NOSE GEAR green light does not come on with landing gear lever at DN, NOSE GEAR red light on	326 110 00	32-30 TASK 812
• NOSE GEAR green light does not come on with landing gear lever at DN, NOSE GEAR red light on, alternate gear extension was attempted	326 080 00	32-30 TASK 807
• NOSE GEAR green light does not go off with landing gear lever at UP, NOSE GEAR red light on	326 090 00	32-30 TASK 810
• NOSE GEAR green light off with landing gear lever at UP, NOSE GEAR red light on	326 115 00	32-30 TASK 811
33-1 LIGHTS - FLIGHT COMPARTMENT		
Chart light		
• does not come on correctly		
- captain's	331 150 31	33-10 TASK 801
- first officer's	331 150 32	33-10 TASK 801
• does not go off		
- captain's	331 151 31	33-10 TASK 801
- first officer's	331 151 32	33-10 TASK 801
Circuit breaker panel light		
• does not come on	331 040 00	33-10 TASK 801
• does not go off	331 041 00	33-10 TASK 801
Control stand floodlight		
• does not come on correctly	331 090 00	33-10 TASK 801
• does not go off	331 091 00	33-10 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
33-1 LIGHTS - FLIGHT COMPARTMENT (continued)		
Dome light		
• does not come on correctly	331 050 00	33-10 TASK 801
• does not go off	331 051 00	33-10 TASK 801
Flight kit light		
• does not come on correctly		
- captain's	331 110 31	33-10 TASK 801
- first officer's	331 110 32	33-10 TASK 801
• does not go off		
- captain's	331 111 31	33-10 TASK 801
- first officer's	331 111 32	33-10 TASK 801
Glareshield (AFCS) Floodlight		
• does not come on correctly	331 070 00	33-10 TASK 801
• does not go off	331 071 00	33-10 TASK 801
Indicator light		
• does not come on correctly	331 010 00	33-10 TASK 801
• does not go off	331 011 00	33-10 TASK 801
LCD segment		
• does not operate correctly	331 060 00	33-10 TASK 801
Lighted pushbutton switch		
• does not come on correctly	331 020 00	33-10 TASK 801
• does not go off	331 021 00	33-10 TASK 801
Lightplate		
• does not come on	331 030 00	33-10 TASK 801
• does not go off	331 031 00	33-10 TASK 801
Map light		
• does not come on correctly		
- captain's	331 120 31	33-10 TASK 801
- first officer's	331 120 32	33-10 TASK 801
• does not go off		
- captain's	331 121 31	33-10 TASK 801
- first officer's	331 121 32	33-10 TASK 801
Master dim and test system		
• does not operate correctly	331 160 00	33-10 TASK 801
Oxygen mask floodlight		
• does not come on	331 140 00	33-10 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
33-1 LIGHTS - FLIGHT COMPARTMENT (continued)		
Panel floodlight		
• does not come on correctly		
- captain's	331 080 31	33-10 TASK 801
- center	331 080 43	33-10 TASK 801
- first officer's	331 080 32	33-10 TASK 801
• does not go off		
- captain's	331 081 31	33-10 TASK 801
- center	331 081 43	33-10 TASK 801
- first officer's	331 081 32	33-10 TASK 801
Reading light, observer's		
• does not come on correctly	331 130 00	33-10 TASK 801
• does not go off	331 131 00	33-10 TASK 801
Standby compass light		
I • does not come on	331 100 00	34-23 TASK 802
I • does not go off	331 101 00	34-23 TASK 802
33-3 LIGHTS - CARGO AND SERVICE COMPARTMENT LIGHTS		
Accessory compartment light		
• does not come on	333 050 00	33-30 TASK 801
• does not go off	333 051 00	33-30 TASK 801
Air conditioning compartment light		
• does not come on		
- left	333 030 41	33-30 TASK 801
- right	333 030 42	33-30 TASK 801
• does not go off		
- left	333 031 41	33-30 TASK 801
- right	333 031 42	33-30 TASK 801
APU service light		
• does not come on	333 060 00	33-30 TASK 801
• does not go off	333 061 00	33-30 TASK 801
Cargo compartment light		
• does not come on		
- aft	333 080 45	33-30 TASK 801
- forward	333 080 44	33-30 TASK 801
• does not go off		
- aft	333 081 45	33-30 TASK 801
- forward	333 081 44	33-30 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
33-3 LIGHTS - CARGO AND SERVICE COMPARTMENT LIGHTS (continued)		
Electronic equipment compartment light		
• does not come on	333 040 00	33-30 TASK 801
• does not go off	333 041 00	33-30 TASK 801
Tailcone light		
• does not come on	333 070 00	33-30 TASK 801
• does not go off	333 071 00	33-30 TASK 801
Wheel well light		
• does not come on		
- main landing gear	333 010 00	33-30 TASK 801
- nose landing gear	333 020 00	33-30 TASK 801
• does not go off		
- main landing gear	333 011 00	33-30 TASK 801
- nose landing gear	333 021 00	33-30 TASK 801
33-4 LIGHTS - EXTERIOR LIGHTS		
Airstair tread light		
• does not come on	334 290 00	33-40 TASK 801
• does not go off	334 291 00	33-40 TASK 801
Anti-collision (strobe) light		
• does not go off		
- left wing	334 250 41	33-44 TASK 801
- right wing	334 250 42	33-44 TASK 801
- tail	334 260 00	33-44 TASK 801
Anti-collision light		
• does not come on correctly		
- left wing	334 230 41	33-44 TASK 801
- lower	334 270 47	33-44 TASK 801
- right wing	334 230 42	33-44 TASK 801
- tail	334 240 00	33-44 TASK 801
- upper	334 270 46	33-44 TASK 801
• does not go off		
- lower	334 280 47	33-44 TASK 801
- upper	334 280 46	33-44 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
33-4 LIGHTS - EXTERIOR LIGHTS (continued)		
Landing light		
● does not come on		
- left fixed	334 030 41	33-40 TASK 801
- left retractable	334 040 41	33-40 TASK 801
- right fixed	334 030 42	33-40 TASK 801
- right retractable	334 040 42	33-40 TASK 801
● does not extend		
- left retractable	334 060 41	33-40 TASK 801
- right retractable	334 060 42	33-40 TASK 801
● does not go off		
- left fixed	334 070 41	33-40 TASK 801
- left retractable	334 080 41	33-40 TASK 801
- right fixed	334 070 42	33-40 TASK 801
- right retractable	334 080 42	33-40 TASK 801
● does not retract		
- left retractable	334 100 41	33-40 TASK 801
- right retractable	334 100 42	33-40 TASK 801
Logo light		
● does not come on		
- left	334 340 41	33-40 TASK 801
- right	334 340 42	33-40 TASK 801
● does not go off		
- left	334 350 41	33-40 TASK 801
- right	334 350 42	33-40 TASK 801
Position (NAV) light		
● does not come on		
- left wing aft	334 120 41	33-40 TASK 801
- left wing forward	334 110 41	33-40 TASK 801
- right wing aft	334 120 42	33-40 TASK 801
- right wing forward	334 130 42	33-40 TASK 801
● does not go off		
- left wing aft	334 200 41	33-40 TASK 801
- left wing forward	334 190 41	33-40 TASK 801
- right wing aft	334 200 42	33-40 TASK 801
- right wing forward	334 210 42	33-40 TASK 801

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<u>33-4 LIGHTS - EXTERIOR LIGHTS (continued)</u>		
Runway turnoff light		
• does not come on		
- left	334 300 41	33-40 TASK 801
- right	334 300 42	33-40 TASK 801
• does not go off		
- left	334 310 41	33-40 TASK 801
- right	334 310 42	33-40 TASK 801
Taxi light		
• does not come on	334 320 00	33-40 TASK 801
• does not go off	334 330 00	33-40 TASK 801
Wing illumination light		
• does not come on		
- left	334 010 41	33-40 TASK 801
- right	334 010 42	33-40 TASK 801
• does not go off		
- left	334 020 41	33-40 TASK 801
- right	334 020 42	33-40 TASK 801
<u>33-5 LIGHTS - EMERGENCY LIGHTING</u>		
Emergency slide/overwing light		
• does not come on		
- left	335 020 41	33-50 TASK 801
- right	335 020 42	33-50 TASK 801
• does not go off		
- left	335 010 41	33-50 TASK 801
- right	335 010 42	33-50 TASK 801
<u>34-1 NAVIGATION - FLIGHT ENVIRONMENT DATA</u>		
Mach airspeed warning		
• does not sound when MACH AIRSPEED WARNING TEST switch is pushed		
- NO 1	341 030 01	34-16 TASK 801
- NO 2	341 030 02	34-16 TASK 801
Standby airspeed indicator problem	341 020 00	34-13 TASK 802
Standby altimeter problem	341 010 00	34-13 TASK 801

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34-2 NAVIGATION - ATTITUDE AND DIRECTION		
Airspeed display		
• does not show		
- captain's	342 045 31	31-63 TASK 809
- first officer's	342 045 32	31-63 TASK 809
• minimum maneuver speed or minimum speed on captain's PFD disagrees with first officer's PFD	342 044 00	34-21 TASK 830
ALIGN lights for the L and R IRS		
• lights on flashing	342 230 00	34-21 TASK 805
ALT DISAGREE message shows on airspeed display		
- captain's	342 091 31	31-62 TASK 875
- first officer's	342 091 32	31-62 TASK 875
ALT flag shows on the EFIS display		
- captain's	342 080 31	34-21 TASK 827
- first officer's	342 080 32	34-21 TASK 828
Altitude display		
• is blank		
- captain's	342 090 31	31-63 TASK 809
- first officer's	342 090 32	31-63 TASK 809
ATT flag shows on the EFIS display		
- captain's	342 010 31	34-21 TASK 825
- first officer's	342 010 32	34-21 TASK 826
Attitude display		
• does not show		
- captain's	342 015 31	31-63 TASK 809
- first officer's	342 015 32	31-63 TASK 809
Call horn		
• sounds, ADIRU power problem, ON DC light on		
- left	342 200 41	34-21 TASK 829
- right	342 200 42	34-21 TASK 829
• sounds, equipment cooling problem	342 190 00	34-21 TASK 829
FAULT light for the IRS		
• light on		
- left	342 070 41	34-21 TASK 803
- right	342 070 42	34-21 TASK 803

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34-2 NAVIGATION - ATTITUDE AND DIRECTION (continued)		
HDG/TRK flag shows on the EFIS display		
- captain's	342 130 31	34-21 TASK 825
- first officer's	342 130 32	34-21 TASK 826
Heading/track display		
• does not show		
- captain's	342 140 31	34-21 TASK 825
- first officer's	342 140 32	34-21 TASK 826
IAS DISAGREE message shows on airspeed display		
- captain's	342 046 31	31-62 TASK 876
- first officer's	342 046 32	31-62 TASK 876
Integrated standby flight display		
• ALT flag shows	342 602 00	34-24 TASK 805
• ATT flag shows	342 603 00	34-24 TASK 806
• attitude display disagrees with primary display; no flag shows	342 611 00	34-24 TASK 814
• display blank	342 601 00	34-24 TASK 804
• G/S flag shows	342 604 00	34-24 TASK 808
• HDG flag shows	342 605 00	34-24 TASK 809
• LOC flag shows	342 606 00	34-24 TASK 808
• OUT OF ORDER flag shows	342 607 00	34-24 TASK 810
• PROGRAM PIN ERROR flag shows	342 608 00	34-24 TASK 811
• SPD flag shows	342 609 00	34-24 TASK 812
• WAIT ATT flag shows	342 610 00	34-24 TASK 807
IRS display unit (ISDU)		
• maintenance code shows in right window when HDG/STS mode selected	342 220 00	34-21 TASK 835
PITCH message shows on the attitude display		
- captain's	342 020 31	34-21 TASK 825
- first officer's	342 020 32	34-21 TASK 826
Radio magnetic indicator		
• ADF flag shows	342 430 00	34-22 TASK 803
• HDG flag shows	342 410 00	34-22 TASK 801
• VOR flag shows	342 440 00	34-22 TASK 802
ROLL message shows on the attitude display		
- captain's	342 030 31	34-21 TASK 825
- first officer's	342 030 32	34-21 TASK 826

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
34-2 NAVIGATION - ATTITUDE AND DIRECTION (continued)		
SPD flag shows on the EFIS display		
- captain's	342 040 31	34-21 TASK 827
- first officer's	342 040 32	34-21 TASK 828
Standby attitude indicator		
• G/S flag shows	342 650 00	34-24 TASK 802
• glideslope deviation pointer out of view	342 630 00	34-24 TASK 802
• GYRO flag shows	342 670 00	34-24 TASK 801
• LOC flag shows	342 660 00	34-24 TASK 802
• localizer deviation pointer out of view	342 620 00	34-24 TASK 802
Standby magnetic compass error	342 510 00	34-23 TASK 801
TAS data		
• does not show on the navigation display		
- captain's	342 120 31	34-21 TASK 827
- first officer's	342 120 32	34-21 TASK 828
TAT data		
• does not show on the engine display	342 050 00	34-21 TASK 813
VERIFY POSITION message shows on CDU and POS SHIFT page shows large IRS drift	342 225 00	34-21 TASK 836
Vertical speed data		
• does not show		
- captain's	342 180 31	31-63 TASK 809
- first officer's	342 180 32	31-63 TASK 809
Vertical speed pointer		
• does not show		
- captain's	342 185 31	34-21 TASK 825
- first officer's	342 185 32	34-21 TASK 826
VSI flag shows		
- captain's	342 175 31	34-21 TASK 825
- first officer's	342 175 32	34-21 TASK 826
34-3 NAVIGATION - LANDING AND TAXIING AIDS		
G/S flag shows on the EFIS display		
- captain's	343 030 31	34-31 TASK 806
- first officer's	343 030 32	34-31 TASK 807

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
34-3 NAVIGATION - LANDING AND TAXIING AIDS (continued)		
ILS		
• audio tone does not occur or is weak		
- captain's	343 070 31	34-31 TASK 811
- first officer's	343 070 32	34-31 TASK 811
• frequency shows dashes		
- ILS 1	343 060 01	34-31 TASK 810
- ILS 2	343 060 02	34-31 TASK 810
• test problem when you push the TEST switch on the navigation control panel		
- captain's	343 020 31	34-31 TASK 801
- first officer's	343 020 32	34-31 TASK 801
LOC flag shows on the EFIS display		
- captain's	343 010 31	34-31 TASK 806
- first officer's	343 010 32	34-31 TASK 807
Localizer and glideslope pointers		
• do not show, LOC and G/S flags do not show		
- captain's	343 050 31	34-31 TASK 809
- first officer's	343 050 32	34-31 TASK 809
Marker beacon		
• audio tone does not occur or is weak when passing marker, indications are normal	343 110 00	34-32 TASK 801
• FT does not show on the display when you push the TEST switch on the navigation control panel	343 150 00	34-32 TASK 803
• indication does not show on the display when passing marker, audio tone does not occur or is weak	343 120 00	34-32 TASK 802
• indication does not show on the display when passing marker, audio tone is normal	343 130 00	34-32 TASK 803
• test problem when you push the TEST switch on the navigation control panel	343 140 00	34-51 TASK 801
Multi-mode receiver		
• does not respond when TEST button pushed	343 330 00	34-31 TASK 818
Navigation control panel		
• panel problem	343 040 00	34-31 TASK 808
RA flag shows on the display		
- captain's	343 210 31	34-33 TASK 801
- first officer's	343 210 32	34-33 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
34-3 NAVIGATION - LANDING AND TAXIING AIDS (continued)		
Radio altimeter		
• display does not show, RA flag does not show		
- captain's	343 220 31	34-33 TASK 805
- first officer's	343 220 32	34-33 TASK 805
34-4 NAVIGATION - INDEPENDENT POSITION DETERMINING		
GPWS		
• BITE display is blank	344 420 00	34-46 TASK 821
GPWS INOP light		
• light on	344 410 00	34-46 TASK 801
Ground proximity		
• terrain display does not show		
- captain's	344 480 31	34-46 TASK 853
- captain's and first officer's	344 480 48	34-46 TASK 853
- first officer's	344 480 32	34-46 TASK 853
MAP/TERR RANGE DISAGREE message shows	344 470 00	34-46 TASK 858
MAP/WXR RANGE DISAGREE message shows		
- captain's	344 020 31	34-43 TASK 810
- first officer's	344 020 32	34-43 TASK 811
PWS FAIL message shows	344 010 00	34-43 TASK 815
TCAS		
• display blank		
- captain's	344 310 31	34-45 TASK 817
- captain's and first officer's	344 310 48	34-45 TASK 817
- first officer's	344 310 32	34-45 TASK 817
• intruder symbol stays directly in front of the airplane symbol on the navigation display	344 350 00	34-45 TASK 814
• intruder symbols do not show on the navigation display .	344 380 00	34-45 TASK 814
• intruder symbols show when the airplane is on the ground	344 320 00	34-45 TASK 820
• navigation display shows TCAS OFF with the control panel selector switch at TA	344 330 00	34-45 TASK 815
• navigation display shows TCAS OFF with the control panel selector switch at TA/RA	344 340 00	34-45 TASK 815
• system test does not start when the TEST switch is pushed	344 390 00	34-45 TASK 819
• system test problem	344 395 00	34-45 TASK 818
• voice annunciation (aural) problem	344 360 00	34-45 TASK 816

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
34-4 NAVIGATION - INDEPENDENT POSITION DETERMINING (continued)		
TCAS FAIL flag on navigation display		
• shows with ATC transponder selector at TA and does not show with selector at TA/RA	344 371 00	34-45 TASK 821
• shows with ATC transponder selector at TA and shows with selector at TA/RA	344 370 00	34-45 TASK 821
• shows with ATC transponder selector at TA/RA and does not show with selector at TA	344 372 00	34-45 TASK 823
TERR FAIL message shows	344 450 00	34-46 TASK 856
TERR POS message shows	344 430 00	34-46 TASK 856
TERR RANGE DISAGREE message shows	344 460 00	34-46 TASK 857
Vertical Situation Display problem		
- captain's	344 501 31	34-46 TASK 801
- first officer's	344 501 32	34-46 TASK 801
VSD flag shows		
- captain's	344 502 31	34-46 TASK 860
- first officer's	344 502 32	34-46 TASK 861
Weather radar		
• + 1 tilt angle shows during system displays test (predictive windshear)	344 161 00	34-43 TASK 806
• + 2 tilt angle shows during system displays test (predictive windshear)	344 166 00	34-43 TASK 807
• + 3 tilt angle shows during system displays test (predictive windshear)	344 171 00	34-43 TASK 806
• + 4 tilt angle shows during system displays test (predictive windshear)	344 176 00	34-43 TASK 816
• -1 tilt angle shows during system displays test (predictive windshear)	344 160 00	34-43 TASK 806
• -2 tilt angle shows during system displays test (predictive windshear)	344 165 00	34-43 TASK 807
• -3 tilt angle shows during system displays test (predictive windshear)	344 170 00	34-43 TASK 806
• -4 tilt angle shows during system displays test (predictive windshear)	344 175 00	34-43 TASK 816
• -5 tilt angle shows during system displays test (predictive windshear)	344 180 00	34-43 TASK 817
• -6 tilt angle shows during system displays test (predictive windshear)	344 185 00	34-43 TASK 818
• -7 tilt angle shows during system displays test (predictive windshear)	344 186 00	34-43 TASK 819

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
34-4 NAVIGATION - INDEPENDENT POSITION DETERMINING (continued)		
● -8 tilt angle shows during system displays test (predictive windshear)	344 190 00	34-43 TASK 821
● display blank		
- captain's	344 090 31	34-43 TASK 814
- first officer's	344 090 32	34-43 TASK 814
● gain control problem		
- left	344 100 41	34-43 TASK 814
- right	344 100 42	34-43 TASK 814
● mode selector problem		
- left	344 110 41	34-43 TASK 804
- right	344 110 42	34-43 TASK 804
● no aural warnings during system displays test (predictive windshear)	344 140 00	34-43 TASK 820
● returns weak or incorrect colors on CDS		
- captain's	344 120 31	34-43 TASK 802
- first officer's	344 120 32	34-43 TASK 802
● tilt control problem		
- left	344 130 41	34-43 TASK 814
- right	344 130 42	34-43 TASK 814
● WINDSHEAR does not show during system displays test (predictive windshear)	344 150 00	34-43 TASK 802
WXR ATT message shows		
- captain's	344 030 31	34-43 TASK 806
- first officer's	344 030 32	34-43 TASK 806
WXR DSPY message shows		
- captain's	344 040 31	34-43 TASK 812
- first officer's	344 040 32	34-43 TASK 813
WXR FAIL message shows		
- captain's	344 050 31	34-43 TASK 801
- first officer's	344 050 32	34-43 TASK 801
WXR RANGE DISAGREE message shows		
- captain's	344 060 31	34-43 TASK 808
- first officer's	344 060 32	34-43 TASK 809
WXR STAB message shows		
- captain's	344 070 31	34-43 TASK 822
- first officer's	344 070 32	34-43 TASK 822

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
34-4 NAVIGATION - INDEPENDENT POSITION DETERMINING (continued)		
WXR WEAK message shows		
- captain's	344 080 31	34-43 TASK 802
- first officer's	344 080 32	34-43 TASK 802
34-5 NAVIGATION - DEPENDENT POSITION DETERMINING		
ADF		
• audio problem		
- no. 1	345 310 01	34-57 TASK 806
• bearing pointer 1 does not show, ADF flag does not show		
- no. 1	345 370 01	34-57 TASK 820
• indication blank		
- no. 1 captain's	345 320 31	34-57 TASK 808
- no. 1 captain's and first officer's	345 320 48	34-57 TASK 810
- no. 1 first officer's	345 320 32	34-57 TASK 809
• tone problem		
- no. 1	345 340 01	34-57 TASK 814
ADF control panel problem	345 380 00	34-57 TASK 822
ADF flag shows on the display		
- no. 1 captain's	345 350 31	34-57 TASK 816
- no. 1 first officer's	345 350 32	34-57 TASK 817
ATC		
• altitude reporting does not operate		
- no. 1	345 110 01	34-53 TASK 801
- no. 1 and no. 2	345 110 48	34-53 TASK 801
- no. 2	345 110 02	34-53 TASK 801
• code indicator does not respond to selector movement	345 120 00	34-53 TASK 814
• transmission weak or intermittent		
- no. 1	345 130 01	34-53 TASK 802
- no. 1 and no. 2	345 130 48	34-53 TASK 801
- no. 2	345 130 02	34-53 TASK 803
• transponder fail light on	345 140 00	34-53 TASK 801
DME		
• distance shows dashes		
- DME1	345 230 01	34-55 TASK 801
- DME2	345 230 02	34-55 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
34-5 NAVIGATION - DEPENDENT POSITION DETERMINING (continued)		
- test problem when you push the TEST switch on the navigation control panel - captain's - first officer's	345 210 31 345 210 32	34-55 TASK 801 34-55 TASK 801
DME1 shows on the display	345 220 01	34-55 TASK 802
DME2 shows on the display	345 220 02	34-55 TASK 802
IRS mode select unit		
- GLS light comes on when Master Caution pushed - GLS light stays on continuously - GPS light comes on when Master Caution pushed - GPS light stays on continuously - ILS light comes on when Master Caution pushed - ILS light stays on continuously - ILS, GLS and GPS lights all come on when Master Caution pushed - ILS, GLS and GPS lights all stay on continuously	345 413 00 345 412 00 345 411 00 345 410 00 345 415 00 345 414 00 345 417 00 345 416 00	34-31 TASK 822 34-31 TASK 821 34-58 TASK 802 34-58 TASK 801 34-31 TASK 820 34-31 TASK 819 34-31 TASK 824 34-31 TASK 823
VOR		
- audio tone does not occur or is weak - captain's - first officer's - bearing pointer 1 does not show, VOR1 flag does not show - bearing pointer 2 does not show, VOR2 flag does not show - deviation bar does not show on the navigation display - VOR1 - VOR2 - test problem when you push the TEST switch on the navigation control panel - captain's - first officer's - TO/FROM indication does not show on the navigation display - VOR1 - VOR2	345 010 31 345 010 32 345 030 01 345 030 02 345 050 01 345 050 02 345 020 31 345 020 32 345 060 01 345 060 02	34-51 TASK 809 34-51 TASK 809 34-51 TASK 805 34-51 TASK 805 34-51 TASK 806 34-51 TASK 806 34-51 TASK 801 34-51 TASK 801 34-51 TASK 810 34-51 TASK 810
VOR frequency		
- shows dashes - VOR1 - VOR2	345 070 01 345 070 02	34-51 TASK 807 34-51 TASK 807
VOR1 flag shows on the display	345 040 01	34-51 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
34-5 NAVIGATION - DEPENDENT POSITION DETERMINING (continued)		
VOR2 flag shows on the display	345 040 02	34-51 TASK 801
34-6 NAVIGATION - FLIGHT MANAGEMENT COMPUTING		
CDU		
• brightness control problem		
- captain's	346 020 31	34-61 TASK 803
- first officer's	346 020 32	34-61 TASK 803
• DATA BASE INVALID message shows	346 360 00	34-61 TASK 818
• display blank		
- captain's	346 040 31	34-61 TASK 804
- first officer's	346 040 32	34-61 TASK 804
• display is dim or out of focus		
- captain's	346 050 31	34-61 TASK 803
- first officer's	346 050 32	34-61 TASK 803
• DME data on NAV STATUS display shows FAIL	346 510 00	34-61 TASK 801
• EXEC key does not operate when pushed		
- captain's	346 060 31	34-61 TASK 805
- first officer's	346 060 32	34-61 TASK 805
• EXEC key light bar does not come on		
- captain's	346 065 31	34-61 TASK 806
- first officer's	346 065 32	34-61 TASK 806
• FAIL light is on	346 080 00	34-61 TASK 807
• FMC shows in the middle of the display	346 070 00	34-61 TASK 807
• GPS-L data on POS REF display is missing	346 460 00	34-61 TASK 801
• GPS-R data on POS REF display is missing	346 470 00	34-61 TASK 801
• GS data on POS REF display is missing	346 480 00	34-61 TASK 801
• ILS data on NAV STATUS display shows FAIL	346 500 00	34-61 TASK 801
• IRS-L data on POS REF display is missing	346 440 00	34-61 TASK 801
• IRS-R data on POS REF display is missing	346 450 00	34-61 TASK 801
• key does not operate when pushed		
- captain's	346 010 31	34-61 TASK 802
- first officer's	346 010 32	34-61 TASK 802
• MODEL/ENG DATA INVALID message shows	346 380 00	34-61 TASK 819
• MSG light does not come on		
- captain's	346 270 31	34-61 TASK 810
- first officer's	346 270 32	34-61 TASK 810
• OFST light does not come on		
- captain's	346 280 31	34-61 TASK 810
- first officer's	346 280 32	34-61 TASK 810
• OP PROGRAM INVALID shows in the middle of the display	346 260 00	34-61 TASK 811

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
34-6 NAVIGATION - FLIGHT MANAGEMENT COMPUTING (continued)		
• PROGRAM PIN ERROR message shows	346 390 00	34-61 TASK 820
• PROGRAM PIN NOT IN DB message shows	346 400 00	34-61 TASK 821
• SCANNING DME FAIL message shows	346 350 00	34-61 TASK 801
• SINGLE FMC OPERATION message shows	346 370 00	34-61 TASK 807
• VOR data on NAV STATUS display shows FAIL	346 490 00	34-61 TASK 801
FMC DISAGREE message shows on CDU	346 075 00	34-61 TASK 835
FMC Nav data crossloading problem	346 120 00	34-61 TASK 832
FMC software load		
• CHECK DBL OR INTERFACE message shows on CDU . .	346 290 00	34-61 TASK 812
• CHECK MEDIA message shows on CDU	346 330 00	34-61 TASK 816
• DB EXCEEDS FMC MEMORY message shows on CDU . .	346 300 00	34-61 TASK 813
• DB-OPF INCOMPATIBLE message shows on CDU	346 320 00	34-61 TASK 815
• INCORRECT DISK INSERTED message shows on CDU . .	346 340 00	34-61 TASK 817
• RESET COUNT EXCEEDED message shows on CDU . . .	346 310 00	34-61 TASK 814
MAP flag shows on CDS		
- captain's	346 090 31	34-61 TASK 801
- first officer's	346 090 32	34-61 TASK 801
MAP RANGE DISAGREE message shows		
- captain's	346 100 31	34-61 TASK 830
- first officer's	346 100 32	34-61 TASK 830
NAV DATA OUT OF DATE message shows on CDU	346 160 00	34-61 TASK 808
RESYNC FAIL, SINGLE FMC OP/SINGLE FMC OP message shows on CDU	346 180 00	34-61 TASK 832
Thrust mode		
• does not show on the engine display	346 230 00	34-61 TASK 809
VTK flag shows		
- captain's	346 200 31	34-61 TASK 801
- first officer's	346 200 32	34-61 TASK 801
35-1 OXYGEN - CREW		
Crew oxygen pressure indicator		
• does not agree with bottle pressure	351 010 00	35-12 TASK 801
• pressure decreases	351 020 00	35-12 TASK 802
• pressure low	351 030 00	35-12 TASK 803
• pressure zero	351 040 00	35-12 TASK 804

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
35-1 OXYGEN - CREW (continued)		
Oxygen mask, flight crew		
● damaged		
- captain's	351 050 31	35-12 TASK 805
- first officer's	351 050 32	35-12 TASK 805
- observer's	351 050 33	35-12 TASK 805
● difficult to release from stowage		
- captain's	351 060 31	35-12 TASK 806
- first observer's	351 060 33	35-12 TASK 806
- first officer's	351 060 32	35-12 TASK 806
● harness fails to deflate		
- captain's	351 070 31	35-12 TASK 805
- first observer's	351 070 33	35-12 TASK 805
- first officer's	351 070 32	35-12 TASK 805
● harness fails to inflate		
- captain's	351 080 31	35-12 TASK 805
- first observer's	351 080 33	35-12 TASK 805
- first officer's	351 080 32	35-12 TASK 805
● harness leaking		
- captain's	351 090 31	35-12 TASK 805
- first observer's	351 090 33	35-12 TASK 805
- first officer's	351 090 32	35-12 TASK 805
● hose problem		
- captain's	351 100 31	35-12 TASK 805
- first officer's	351 100 32	35-12 TASK 805
- observer's	351 100 33	35-12 TASK 805
● panel (door, pin, etc.) damaged		
- captain's	351 110 31	35-12 TASK 807
- first officer's	351 110 32	35-12 TASK 807
- observer's	351 110 33	35-12 TASK 807
Oxygen regulator operation		
● difficult to exhale		
- captain's	351 120 31	35-12 TASK 805
- first observer's	351 120 33	35-12 TASK 805
- first officer's	351 120 32	35-12 TASK 805
● leaking		
- captain's	351 130 31	35-12 TASK 805
- first observer's	351 130 33	35-12 TASK 805
- first officer's	351 130 32	35-12 TASK 805

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
<u>35-1 OXYGEN - CREW (continued)</u>		
- no pressure breathing available - captain's - first observer's - first officer's	351 140 31 351 140 33 351 140 32	35-12 TASK 805 35-12 TASK 805 35-12 TASK 805
<u>35-2 OXYGEN - PASSENGER</u>		
Oxygen masks, passenger all masks do not drop when PASS OXYGEN switch manually set to ON	352 030 00	35-22 TASK 803
PASS OXY ON light - light does not come on during automatic oxygen system deployment - light does not come on during manual oxygen system deployment - light on, all masks dropped automatically, switch was not moved, cabin pressure was normal - light on, all masks failed to drop automatically, masks dropped after PASS OXY switch was moved	352 050 00 352 040 00 352 010 00 352 020 00	35-22 TASK 806 35-22 TASK 805 35-22 TASK 801 35-22 TASK 802
<u>35-3 OXYGEN - PORTABLE</u>		
Crew portable oxygen - damaged - pressure low - was used	353 010 00 353 020 00 353 030 00	35-99 TASK 801 35-99 TASK 801 35-99 TASK 801
<u>36-1 PNEUMATIC - DISTRIBUTION</u>		
BLEED TRIP OFF light - light on, the engine is the bleed source - no. 1 - no. 2	361 010 01 361 010 02	36-10 TASK 801 36-10 TASK 801
Bleed valve does not close when the bleed switches are moved to off, the engine is the bleed source	361 020 00	36-10 TASK 802
Duct pressure indication - high, the engine is the bleed source - L and R pointers not the same (split), the APU is the bleed source - L and R pointers not the same (split), the engine is the bleed source - low, the engine is the bleed source - zero, the engine is the bleed source	361 030 00 361 080 00 361 070 00 361 040 00 361 050 00	36-10 TASK 803 36-10 TASK 808 36-10 TASK 807 36-10 TASK 804 36-10 TASK 805

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<u>36-1 PNEUMATIC - DISTRIBUTION (continued)</u>		
Isolation valve		
• does not operate correctly	361 060 00	36-10 TASK 806
<u>38-1 WATER/WASTE - POTABLE WATER</u>		
Galley faucet leaks or faucet damaged	381 045 00	25-99 TASK 801
Potable water		
• auxiliary tank (40-gallon) leaks	381 042 00	25-99 TASK 801
• main tank (60-gallon) leaks	381 041 00	25-99 TASK 801
• system does not pressurize	381 020 00	38-10 TASK 803
• tank does not fill	381 030 00	38-10 TASK 801
• tank leaks	381 040 00	38-10 TASK 802
Water leakage		
- aft cargo compartment ceiling	381 050 45	38-10 TASK 804
- forward cargo compartment ceiling	381 050 44	38-10 TASK 804
<u>38-3 WATER/WASTE - WASTE DISPOSAL</u>		
Waste quantity indicator		
• shows tank is empty when tank is full		
- attendant's panel	383 050 00	38-30 TASK 810
• shows tank is full when tank is not full		
- attendant's panel	383 040 00	38-30 TASK 810
Waste tank		
• does not precharge	383 020 00	38-30 TASK 812
Waste tank drain valve handle		
• does not drain tank when pulled	383 030 00	38-30 TASK 813
<u>49-1 AUXILIARY POWER UNIT - POWER PLANT</u>		
APU		
• air inlet door does not fully open or fully close	491 010 00	49-60 TASK 801
• vibration is excessive	491 020 00	49-15 TASK 807
APU starter-generator		
• noisy during APU start	491 030 00	49-45 TASK 803
<u>49-2 AUXILIARY POWER UNIT - ENGINE</u>		
APU		
• does not start, FAULT light on	492 100 00	49-60 TASK 801
• does not start, MAINT light on	492 110 00	49-60 TASK 801
• does not start, no APU indication lights on	492 130 00	49-15 TASK 805
• does not start, OVER SPEED light on	492 120 00	49-60 TASK 801
• oil consumption high	492 140 00	49-95 TASK 801

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<u>49-2 AUXILIARY POWER UNIT - ENGINE (continued)</u>		
APU FAULT light		
• light on, APU had a protective shutdown	492 010 00	49-60 TASK 801
• light on, APU operates without a protective shutdown . . .	492 020 00	49-15 TASK 801
APU GEN OFF BUS light		
• light not on, APU speed at 95%	492 050 00	49-15 TASK 804
APU LOW OIL PRESSURE light		
• light on, APU had a protective shutdown	492 060 00	49-60 TASK 801
• light on, APU operates with no protective shutdown . . .	492 030 00	49-15 TASK 802
APU MAINT light		
• light on	492 070 00	49-60 TASK 801
APU OVER SPEED light		
• light on during APU shutdown	492 080 00	49-60 TASK 801
• light on, APU had a protective shutdown	492 090 00	49-60 TASK 801
• light on, APU operates with no protective shutdown . . .	492 040 00	49-15 TASK 803
Smoke or flame in APU exhaust	492 150 00	49-55 TASK 801
Surge of APU during main engine start	492 160 00	49-55 TASK 808
<u>49-3 AUXILIARY POWER UNIT - ENGINE FUEL AND CONTROL</u>		
APU		
• fuel valve does not fully open or fully close	493 010 00	49-60 TASK 801
<u>49-4 AUXILIARY POWER UNIT - IGNITION/STARTING</u>		
Battery voltage		
• less than 22 volts with BAT switch at ON and no AC power on the charger	494 010 00	49-45 TASK 801
• less than 26 volts with AC power on the charger	494 020 00	49-45 TASK 802
<u>49-5 AUXILIARY POWER UNIT - AIR</u>		
DUAL BLEED light		
• light on, APU BLEED switch at OFF	495 010 00	49-55 TASK 803
Duct pressure indication		
• low or not constant during main engine start, the APU is the bleed source	495 031 00	49-55 TASK 807
• low or not constant during pack operation, the APU is the bleed source	495 032 00	49-55 TASK 806
• zero, the APU is the bleed source	495 050 00	49-55 TASK 804
<u>49-6 AUXILIARY POWER UNIT - ENGINE CONTROLS</u>		
APU BITE INOP message shows on the CDU	496 010 00	49-65 TASK 801

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<u>49-7 AUXILIARY POWER UNIT - INDICATING</u>		
APU EGT indicator		
• does not operate correctly	497 010 00	49-75 TASK 801
<u>49-9 AUXILIARY POWER UNIT - OIL</u>		
Fumes or smoke in cabin		
• pneumatic power supplied by APU	499 010 00	49-55 TASK 802
<u>52-1 DOORS - PASSENGER/CREW</u>		
Entry door exterior handle		
• difficult to operate		
- aft	521 010 45	52-10 TASK 811
- forward	521 010 44	52-10 TASK 811
<u>52-3 DOORS - CARGO</u>		
Cargo door		
• difficult to open/close	523 010 00	52-30 TASK 801
• does not unlatch/latch	523 020 00	52-30 TASK 802
<u>52-4 DOORS - SERVICE</u>		
Galley service door exterior handle		
• difficult to operate	524 010 00	52-10 TASK 811
<u>52-5 DOORS - FIXED INTERIOR</u>		
Control cabin door		
• CAB DOOR UNLOCKED light does not come on when the door is unlocked	525 010 00	52-50 TASK 801
• difficult to open/close	525 020 00	52-50 TASK 802
• does not release electrically	525 040 00	52-50 TASK 803
• key is damaged	525 032 00	52-99 TASK 801
• key is missing	525 030 00	52-99 TASK 801
Flight deck door (enhanced security door)		
• chime does not sound with switch set to AUTO and correct code in keypad	525 121 00	52-50 TASK 808
• chime sounds with switch set to DENY	525 131 00	52-50 TASK 807
• does not lock with switch set to AUTO	525 141 00	52-50 TASK 804
• does not unlock with switch set to AUTO and correct code in keypad	525 151 00	52-50 TASK 806
• does not unlock with switch set to UNLKD	525 161 00	52-50 TASK 805
• LOCK FAIL light is on	525 171 00	52-50 TASK 809
• unlocks with switch set to DENY	525 181 00	52-50 TASK 807

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<u>56-1 WINDOWS - FLIGHT COMPARTMENT</u>		
Window, flight compartment		
● delaminated, cracked, chipped, crazed, scratched, or has bubbles		
- no. 1 left	561 010 41	56-11 TASK 802
- no. 1 right	561 010 42	56-11 TASK 802
- no. 2 left	561 020 41	56-11 TASK 802
- no. 2 right	561 020 42	56-11 TASK 802
- no. 3 left	561 030 41	56-11 TASK 802
- no. 3 right	561 030 42	56-11 TASK 802
● sliding difficult to operate		
- no. 2 left	561 070 41	56-11 TASK 801
- no. 2 right	561 070 42	56-11 TASK 801
● sliding has air leak		
- no. 2 left	561 080 41	56-11 TASK 801
- no. 2 right	561 080 42	56-11 TASK 801
● windows need cleaning	561 060 00	56-11 TASK 805
<u>71-0 POWER PLANT - GENERAL</u>		
Birdstrike/FOD		
● in engine, engine had a surge/stall		
- engine 1	710 030 51	71-05 TASK 805
- engine 2	710 030 52	71-05 TASK 805
● in engine, engine parameters normal		
- engine 1	710 010 51	71-05 TASK 801
- engine 2	710 010 52	71-05 TASK 801
● in engine, engine parameters not normal or unknown		
- engine 1	710 020 51	71-05 TASK 801
- engine 2	710 020 52	71-05 TASK 801
EGT, FF, oil pressure, and oil temperature indications		
● continue to show after engine shutdown		
- left engine	710 135 51	71-06 TASK 808
- right engine	710 135 52	71-06 TASK 808
Engine overspeed		
● N1 over redline		
- engine 1	710 060 51	71-06 TASK 801
- engine 2	710 060 52	71-06 TASK 801
● N2 over redline		
- engine 1	710 070 51	71-06 TASK 802
- engine 2	710 070 52	71-06 TASK 802

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71-0 POWER PLANT - GENERAL (continued)		
● reverse thrust (N1) over limit, write maximum N1		
- engine 1	710 080 51	71-06 TASK 803
- engine 2	710 080 52	71-06 TASK 803
Engine overtemperature (except starting)		
● EGT over amber band limit due to surge/stall		
- engine 1	710 100 51	71-05 TASK 804
- engine 2	710 100 52	71-05 TASK 804
● EGT over amber band limit, no surge/stall		
- engine 1	710 090 51	71-06 TASK 804
- engine 2	710 090 52	71-06 TASK 804
● EGT over redline due to surge/stall		
- engine 1	710 115 51	71-06 TASK 806
- engine 2	710 115 52	71-06 TASK 806
● EGT over redline, no surge/stall		
- engine 1	710 110 51	71-06 TASK 805
- engine 2	710 110 52	71-06 TASK 805
Engine parameters		
● EGT fluctuates at all power settings		
- engine 1	710 140 51	71-06 TASK 807
- engine 2	710 140 52	71-06 TASK 807
● EGT high		
- engine 1	710 150 51	71-06 TASK 807
- engine 2	710 150 52	71-06 TASK 807
● EGT low		
- engine 1	710 160 51	71-06 TASK 807
- engine 2	710 160 52	71-06 TASK 807
● N1, N2, EGT, and FF read low or fluctuate		
- engine 1	710 130 51	73-06 TASK 809
- engine 2	710 130 52	73-06 TASK 809
Engine surge/stall		
● surge/stall during acceleration or deceleration, engine operation normal after thrust was decreased to idle, engine shutdown		
- engine 1	710 180 51	71-05 TASK 804
- engine 2	710 180 52	71-05 TASK 804

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
71-0 POWER PLANT - GENERAL (continued)		
● surge/stall during acceleration or deceleration, engine operation not normal after thrust was decreased to idle, engine shutdown		
- engine 1	710 190 51	71-05 TASK 804
- engine 2	710 190 52	71-05 TASK 804
● surge/stall during reverse thrust, engine operation normal after thrust was decreased to idle		
- engine 1	710 240 51	71-05 TASK 804
- engine 2	710 240 52	71-05 TASK 804
● surge/stall during reverse thrust, engine operation not normal after thrust was decreased to idle		
- engine 1	710 250 51	71-05 TASK 804
- engine 2	710 250 52	71-05 TASK 804
● surge/stall during takeoff, engine operation normal after surge		
- engine 1	710 200 51	71-05 TASK 804
- engine 2	710 200 52	71-05 TASK 804
● surge/stall during takeoff, engine operation not normal after surge, engine shutdown		
- engine 1	710 210 51	71-05 TASK 804
- engine 2	710 210 52	71-05 TASK 804
Engine vibration		
● vibration high		
- engine 1	710 232 51	71-05 TASK 808
- engine 2	710 232 52	71-05 TASK 808
Fumes or smoke in cabin		
● pneumatic power supplied by engine		
- engine 1	710 300 51	71-05 TASK 807
- engine 2	710 300 52	71-05 TASK 807
73-0 ENGINE FUEL AND CONTROL - GENERAL		
ALTN mode light for the EEC		
● light did not come on during the EEC test		
- engine 1	730 350 51	73-05 TASK 810
- engine 2	730 350 52	73-05 TASK 810
● light on		
- engine 1	730 080 51	73-05 TASK 811
- engine 2	730 080 52	73-05 TASK 811

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
73-0 ENGINE FUEL AND CONTROL - GENERAL (continued)		
EEC		
● does not power-up - engine 1 - engine 2	730 430 51 730 430 52	73-05 TASK 804 73-05 TASK 804
ENG FAIL message shows over EGT indication		
- engine 1 - engine 2	730 020 51 730 020 52	73-05 TASK 805 73-05 TASK 805
ENG VALVE CLOSED light		
● slow to go from bright to dim when start lever moved to CUTOFF - engine 1 - engine 2 ● slow to go from bright to off when start lever moved to IDLE - engine 1 - engine 2 ● stays off for all start lever positions - engine 1 - engine 2 ● stays off or bright when start lever moved to CUTOFF - engine 1 - engine 2 ● stays on bright when start lever moved to IDLE, engine start was normal - engine 1 - engine 2	730 030 51 730 030 52 730 040 51 730 040 52 730 061 51 730 061 52 730 050 51 730 050 52 730 060 51 730 060 52	73-06 TASK 804 73-06 TASK 804 73-06 TASK 803 73-06 TASK 803 73-06 TASK 815 73-06 TASK 815 73-06 TASK 804 73-06 TASK 804 73-06 TASK 805 73-06 TASK 805
Engine automatic acceleration with no thrust lever movement		
- engine 1 - engine 2	730 070 51 730 070 52	73-06 TASK 806 73-06 TASK 806
Engine BITE		
● BITE INOP shows on the CDU - engine 1 - engine 2 ● CH A EEC DATA NOT AVAILABLE shows on the CDU - engine 1 - engine 2	730 420 51 730 420 52 730 400 51 730 400 52	73-05 TASK 802 73-05 TASK 802 73-05 TASK 803 73-05 TASK 803

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
73-0 ENGINE FUEL AND CONTROL - GENERAL (continued)		
● CH B EEC DATA NOT AVAILABLE shows on the CDU		
- engine 1	730 410 51	73-05 TASK 803
- engine 2	730 410 52	73-05 TASK 803
● ENGINE MAINTENANCE CAN NOT BE ACCESSED - THE ENGINE'S FLIGHT INDICATOR SHOWS FLIGHT shows on the CDU, airplane is on the ground		
- engine 1	730 440 51	73-05 TASK 813
- engine 2	730 440 52	73-05 TASK 813
● FLIGHT LEGS BETWEEN CHANNEL A AND CHANNEL B ARE NOT SYNCHRONIZED shows on Recent Faults page or Fault History page		
- engine 1	730 456 51	73-05 TASK 815
- engine 2	730 456 52	73-05 TASK 815
● maintenance message does not erase		
- engine 1	730 450 51	73-06 TASK 814
- engine 2	730 450 52	73-06 TASK 814
ENGINE CONTROL light		
● light did not come on during the EEC test		
- engine 1	730 330 51	73-06 TASK 813
- engine 2	730 330 52	73-06 TASK 813
● light on		
- engine 1	730 010 51	73-06 TASK 801
- engine 2	730 010 52	73-06 TASK 801
Engine flameout		
● engine restart not attempted; record engine condition		
- engine 1	730 150 51	73-06 TASK 808
- engine 2	730 150 52	73-06 TASK 808
● engine restart not OK, F/F low		
- engine 1	730 100 51	73-06 TASK 808
- engine 2	730 100 52	73-06 TASK 808
● engine restart not OK, F/F zero		
- engine 1	730 110 51	73-06 TASK 808
- engine 2	730 110 52	73-06 TASK 808
● engine restart not OK, low windmill N2		
- engine 1	730 130 51	73-06 TASK 808
- engine 2	730 130 52	73-06 TASK 808
● engine restart not OK, unknown/other reasons		
- engine 1	730 140 51	73-06 TASK 808
- engine 2	730 140 52	73-06 TASK 808

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
73-0 ENGINE FUEL AND CONTROL - GENERAL (continued)		
● engine restart not OK, VIB high		
- engine 1	730 120 51	71-05 TASK 808
- engine 2	730 120 52	71-05 TASK 808
● engine restart OK; record suspected cause of flameout		
- engine 1	730 090 51	73-06 TASK 807
- engine 2	730 090 52	73-06 TASK 807
Engine fuel indication		
● FF, N1, N2, and EGT read low or fluctuate		
- engine 1	730 160 51	73-06 TASK 809
- engine 2	730 160 52	73-06 TASK 809
● fuel flow is high, engine parameters (EGT, N1, N2) normal		
- engine 1	730 170 51	73-07 TASK 802
- engine 2	730 170 52	73-07 TASK 802
● fuel flow is intermittent or blank, engine parameters (EGT, N1, N2, and fuel used) normal		
- engine 1	730 180 51	73-07 TASK 801
- engine 2	730 180 52	73-07 TASK 801
● fuel flow is zero or low, engine parameters (EGT, N1, N2) not normal and fuel used is low		
- engine 1	730 200 51	73-06 TASK 809
- engine 2	730 200 52	73-06 TASK 809
● fuel flow is zero or low, engine parameters (EGT, N1, N2, and fuel used) normal		
- engine 1	730 190 51	73-07 TASK 802
- engine 2	730 190 52	73-07 TASK 802
● fuel used indication not normal, fuel flow normal		
- engine 1	730 210 51	73-07 TASK 802
- engine 2	730 210 52	73-07 TASK 802
Engine idle speed		
● approach idle speed high		
- engine 1	730 220 51	73-05 TASK 806
- engine 2	730 220 52	73-05 TASK 806
● approach idle speed low, ENG ANTI-ICE switch at ON		
- engine 1	730 230 51	73-07 TASK 803
- engine 2	730 230 52	73-07 TASK 803
● approach idle speed low, landing flaps selected		
- engine 1	730 240 51	73-07 TASK 804
- engine 2	730 240 52	73-07 TASK 804

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73-0 ENGINE FUEL AND CONTROL - GENERAL (continued)		
● approach idle speed low, landing flaps selected and ENG ANTI-ICE switch at ON - engine 1 730 250 51 - engine 2 730 250 52 ● minimum idle speed high - engine 1 730 260 51 - engine 2 730 260 52 ● minimum idle speed low - engine 1 730 270 51 - engine 2 730 270 52		73-07 TASK 803 73-07 TASK 803 73-05 TASK 807 73-05 TASK 807 73-05 TASK 807 73-05 TASK 807
Engine takeoff thrust		
● low - engine 1 730 280 51 - engine 2 730 280 52		73-05 TASK 808 73-05 TASK 808
Engine thrust loss (automatic deceleration)		
● with no movement of thrust levers, engine parameters normal - engine 1 730 300 51 - engine 2 730 300 52 ● with no movement of thrust levers, engine parameters not normal (VIB high) - engine 1 730 310 51 - engine 2 730 310 52		73-06 TASK 812 73-06 TASK 812 71-05 TASK 808 71-05 TASK 808
FILTER BYPASS light		
● light did not come on during the EEC test - engine 1 730 340 51 - engine 2 730 340 52 ● light on - engine 1 730 320 51 - engine 2 730 320 52		73-05 TASK 812 73-05 TASK 812 73-05 TASK 801 73-05 TASK 801
76-0 ENGINE CONTROLS - GENERAL		
Forward thrust lever		
● difficult to move in forward thrust - engine 1 760 020 51 - engine 2 760 020 52 ● has lost motion, no engine response to thrust lever movement - engine 1 760 030 51 - engine 2 760 030 52		76-05 TASK 802 76-05 TASK 802 76-05 TASK 803 76-05 TASK 803

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76-0 ENGINE CONTROLS - GENERAL (continued)		
● jammed in forward thrust (no movement)		
- engine 1	760 025 51	76-05 TASK 804
- engine 2	760 025 52	76-05 TASK 804
● levers not aligned (staggered) for same N1 on both engines	760 010 00	76-05 TASK 801
Reverse thrust lever		
● difficult to move in reverse thrust		
- engine 1	760 060 51	76-05 TASK 805
- engine 2	760 060 52	76-05 TASK 805
● has lost motion, no engine response to thrust lever movement, thrust reverser operation is normal		
- engine 1	760 080 51	76-05 TASK 806
- engine 2	760 080 52	76-05 TASK 806
● has lost motion, no thrust reverser operation		
- engine 1	760 070 51	76-05 TASK 807
- engine 2	760 070 52	76-05 TASK 807
● jammed in reverse thrust (no movement)		
- engine 1	760 065 51	76-05 TASK 808
- engine 2	760 065 52	76-05 TASK 808
77-0 ENGINE INDICATION - GENERAL		
AVM signal conditioner		
● display blank	770 061 00	77-05 TASK 809
● flight history shows "00" for two of the vibration indications		
- engine 1	770 062 51	77-05 TASK 808
- engine 2	770 062 52	77-05 TASK 808
Engine EGT indication		
● blank		
- engine 1	770 010 51	73-05 TASK 804
- engine 2	770 010 52	73-05 TASK 804
● zero or fluctuates		
- engine 1	770 015 51	77-05 TASK 801
- engine 2	770 015 52	77-05 TASK 801
Engine N1 indication		
● blank		
- engine 1	770 020 51	77-05 TASK 802
- engine 2	770 020 52	77-05 TASK 802

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<u>77-0 ENGINE INDICATION - GENERAL (continued)</u>		
- fluctuates - engine 1 - engine 2	770 025 51 770 025 52	77-05 TASK 806 77-05 TASK 806
Engine N2 indication		
- blank - engine 1 - engine 2 - fluctuates - engine 1 - engine 2	770 030 51 770 030 52 770 035 51 770 035 52	77-05 TASK 803 77-05 TASK 803 77-05 TASK 807 77-05 TASK 807
Engine VIB indication		
- blank - engine 1 - engine 2 - zero or fluctuates - engine 1 - engine 2	770 040 51 770 040 52 770 050 51 770 050 52	77-05 TASK 805 77-05 TASK 805 77-05 TASK 804 77-05 TASK 804
<u>78-0 EXHAUST - GENERAL</u>		
EAU BITE		
all lights do not come on during the BITE procedure . . .	780 200 00	78-34 TASK 809
REVERSER light		
- light on, thrust reverser operation normal - engine 1 - engine 2	780 020 51 780 020 52	78-34 TASK 801 78-34 TASK 801
Thrust reverser deploy		
- REV message does not show, thrust reverser does not deploy, and reverse thrust lever does not move to full reverse thrust - engine 1 - engine 2 - REV message shows amber, reverse thrust lever does not move to full reverse thrust - engine 1 - engine 2 - REV message shows amber, reverse thrust lever moves to full reverse thrust but engine does not go to full reverse thrust - engine 1 - engine 2	780 030 51 780 030 52 780 050 51 780 050 52 780 040 51 780 040 52	78-34 TASK 807 78-34 TASK 807 78-34 TASK 802 78-34 TASK 802 78-34 TASK 802 78-34 TASK 802

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78-0 EXHAUST - GENERAL (continued)		
● REV message shows green, reverse thrust lever does not move to full reverse thrust		
- engine 1	780 060 51	78-34 TASK 803
- engine 2	780 060 52	78-34 TASK 803
● REV message shows green, reverse thrust lever moves to full reverse thrust but engine does not go to full reverse thrust		
- engine 1	780 065 51	78-34 TASK 804
- engine 2	780 065 52	78-34 TASK 804
● time to extend thrust reverser too slow (more than 3 seconds)		
- engine 1	780 070 51	78-34 TASK 805
- engine 2	780 070 52	78-34 TASK 805
Thrust reverser stow		
● REV message shows amber or green, ENG CONTROL light off, REVERSER light on		
- engine 1	780 090 51	78-34 TASK 806
- engine 2	780 090 52	78-34 TASK 806
● REV message shows amber or green, ENG CONTROL light on, REVERSER light off		
- engine 1	780 080 51	78-36 TASK 806
- engine 2	780 080 52	78-36 TASK 806
● REV message shows green, ENG CONTROL light off, REVERSER light on		
- engine 1	780 105 51	78-34 TASK 806
- engine 2	780 105 52	78-34 TASK 806
● REVERSER light does not come on momentarily during stow, thrust reverser operates normal		
- engine 1	780 100 51	78-34 TASK 808
- engine 2	780 100 52	78-34 TASK 808
● time to retract thrust reverser too slow (more than 5 seconds)		
- engine 1	780 110 51	78-34 TASK 805
- engine 2	780 110 52	78-34 TASK 805
79-0 OIL - GENERAL		
Engine oil consumption		
● high (oil quantity decreases at a quick rate)		
- engine 1	790 010 51	79-05 TASK 801
- engine 2	790 010 52	79-05 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
79-0 OIL - GENERAL (continued)		
Engine oil pressure indication		
• high		
- engine 1	790 015 51	79-05 TASK 802
- engine 2	790 015 52	79-05 TASK 802
• intermittent or blank		
- engine 1	790 050 51	79-05 TASK 807
- engine 2	790 050 52	79-05 TASK 807
• low (amber)		
- engine 1	790 046 51	79-05 TASK 806
- engine 2	790 046 52	79-05 TASK 806
• low or zero (red)		
- engine 1	790 045 51	79-05 TASK 803
- engine 2	790 045 52	79-05 TASK 803
Engine oil quantity indication		
• high		
- engine 1	790 060 51	79-05 TASK 808
- engine 2	790 060 52	79-05 TASK 808
• inaccurate, intermittent, remains constant, or blank		
- engine 1	790 080 51	79-05 TASK 810
- engine 2	790 080 52	79-05 TASK 810
• low		
- engine 1	790 070 51	79-05 TASK 809
- engine 2	790 070 52	79-05 TASK 809
Engine oil temperature indication		
• high (amber)		
- engine 1	790 085 51	79-05 TASK 811
- engine 2	790 085 52	79-05 TASK 811
• high (red)		
- engine 1	790 090 51	79-05 TASK 812
- engine 2	790 090 52	79-05 TASK 812
• intermittent or blank		
- engine 1	790 100 51	79-05 TASK 815
- engine 2	790 100 52	79-05 TASK 815
OIL FILTER BYPASS message		
• message did not show during the EEC test		
- engine 1	790 120 51	79-05 TASK 818
- engine 2	790 120 52	79-05 TASK 818

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
79-0 OIL - GENERAL (continued)		
- message shows - engine 1 - engine 2	790 110 51 790 110 52	79-05 TASK 817 79-05 TASK 817
80-0 STARTING - GENERAL		
Engine motoring		
- no or low maximum dry motor speed (N2 low), duct pressure low (less than 30 psi), START VLV OPEN message shows on the engine display - engine 1 - engine 2 - no or low maximum dry motor speed (N2 low), duct pressure normal, START VLV OPEN message shows on the engine display - engine 1 - engine 2	800 010 51 800 010 52 800 020 51 800 020 52	80-07 TASK 801 80-07 TASK 801 80-07 TASK 802 80-07 TASK 802
Engine start		
- EGT increase and lightoff not normal (impending hot start), fuel flow and duct pressure normal, engine started - engine 1 - engine 2 - engine overtemperature, EGT red, engine did not have an automatic shutdown - engine 1 - engine 2 - engine overtemperature, EGT red, engine had an automatic shutdown - engine 1 - engine 2 - fuel flow high, EGT high, engine started - engine 1 - engine 2 - fuel flow low, high, or zero, EGT and N2 increase normal, engine started - engine 1 - engine 2 - no lightoff, duct pressure and N2 normal, ENG VALVE CLOSED light on - engine 1 - engine 2	800 030 51 800 030 52 800 270 51 800 270 52 800 070 51 800 070 52 800 080 51 800 080 52 800 090 51 800 090 52 800 140 51 800 140 52	80-05 TASK 801 80-05 TASK 801 80-05 TASK 807 80-05 TASK 807 80-05 TASK 802 80-05 TASK 802 80-05 TASK 803 80-05 TASK 803 80-05 TASK 804 80-05 TASK 804 80-06 TASK 801 80-06 TASK 801

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FAULT DESCRIPTION	FAULT CODE	GO TO FIM TASK
80-0 STARTING - GENERAL (continued)		
● no lightoff, duct pressure and N2 normal, SPAR VALVE CLOSED light on		
- engine 1	800 150 51	80-06 TASK 802
- engine 2	800 150 52	80-06 TASK 802
● no lightoff, fuel flow normal, ignition switch at IGN L, engine start normal with ignition switch at IGN R or BOTH		
- engine 1	800 180 51	80-06 TASK 803
- engine 2	800 180 52	80-06 TASK 803
● no lightoff, fuel flow normal, ignition switch at IGN R, engine start normal with ignition switch at IGN L or BOTH		
- engine 1	800 190 51	80-06 TASK 804
- engine 2	800 190 52	80-06 TASK 804
● no lightoff, fuel flow zero, ENG VALVE CLOSED and SPAR VALVE CLOSED lights are off		
- engine 1	800 200 51	80-06 TASK 805
- engine 2	800 200 52	80-06 TASK 805
● no N1 rotation, EGT and N2 increase normal, engine started		
- engine 1	800 110 51	80-05 TASK 805
- engine 2	800 110 52	80-05 TASK 805
● slow N2 acceleration to idle or hung start		
- engine 1	800 220 51	80-05 TASK 806
- engine 2	800 220 52	80-05 TASK 806
● START VLV OPEN message does not show on the engine display, N2 rotation normal		
- engine 1	800 050 51	80-07 TASK 803
- engine 2	800 050 52	80-07 TASK 803
● START VLV OPEN message does not show on the engine display, no N2 rotation		
- engine 1	800 060 51	80-07 TASK 804
- engine 2	800 060 52	80-07 TASK 804
● START VLV OPEN message flashes (for up to 10 seconds) and then stays on during engine engine operation		
- engine 1	800 062 51	80-07 TASK 809
- engine 2	800 062 52	80-07 TASK 809
Engine start switch		
● switch does not hold in GRD position, switch manually held in GRD position, N2 rotation normal		
- engine 1	800 230 51	80-07 TASK 805
- engine 2	800 230 52	80-07 TASK 805

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u>	<u>GO TO FIM TASK</u>
<u>80-0 STARTING - GENERAL (continued)</u>		
● switch does not hold in GRD position, switch manually held in GRD position, no N2 rotation		
- engine 1	800 240 51	80-07 TASK 806
- engine 2	800 240 52	80-07 TASK 806
● switch moves from GRD to OFF before N2 is at 55%, engine started		
- engine 1	800 250 51	80-07 TASK 807
- engine 2	800 250 52	80-07 TASK 807
● switch stays at GRD after N2 is more than 55%, engine started		
- engine 1	800 260 51	80-07 TASK 808
- engine 2	800 260 52	80-07 TASK 808
<u>99-9 MISCELLANEOUS - ALL</u>		
No faults occurred during the flight leg	999 999 99	31-98 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u> (location ---)	<u>GO TO FIM TASK</u>
COMMUNICATIONS/PUBLIC ADDRESS		
Cabin attendant handset:		
• damaged	C12 12 ---	AIRLINE METHOD
• distorted	C12 20 ---	23-41 TASK 804
• inoperative	C12 33 ---	23-41 TASK 804
• volume problem	C12 65 ---	23-41 TASK 804
Chimes:		
• does not turn off	C14 83 ---	23-31 TASK 803
• does not turn on	C14 84 ---	23-31 TASK 804
• volume problem	C14 65 ---	23-31 TASK 802
Chimes light:		
• does not turn off	C18 83 ---	33-20 TASK 801
• does not turn on	C18 84 ---	33-20 TASK 801
Passenger address system:		
• distorted	C16 20 ---	23-31 TASK 805
• inoperative	C16 33 ---	23-31 TASK 805
• intermittent	C16 34 ---	23-31 TASK 805
• volume problem	C16 65 ---	23-31 TASK 802
Speaker:		
• inoperative	C17 33 ---	23-31 TASK 806
• intermittent	C17 34 ---	23-31 TASK 806
• noisy	C17 42 ---	23-31 TASK 806
• volume problem	C17 65 ---	23-31 TASK 806

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FAULT ISOLATION MANUAL

<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u> (location ---)	<u>GO TO FIM TASK</u>
DOORS/EXITS/WINDOWS		
Cabin window:		
• cracked	D11 15 ---	AIRLINE METHOD
• dirty	D11 17 ---	AIRLINE METHOD
• fogged/moisture between panes	D11 24 ---	AIRLINE METHOD
• leaking	D11 36 ---	AIRLINE METHOD
• noisy	D11 42 ---	AIRLINE METHOD
• scratched	D11 51 ---	AIRLINE METHOD
Cabin window shade:		
• damaged	D12 12 ---	AIRLINE METHOD
• hard to operate	D12 29 ---	25-21 TASK 803
• loose	D12 37 ---	25-21 TASK 803
• missing	D12 39 ---	AIRLINE METHOD
• stuck	D12 58 ---	25-21 TASK 803
Door:		
• hard to close	D13 27 ---	52-10 TASK 807
• hard to open	D13 28 ---	52-10 TASK 807
Door grab handle:		
• damaged	D26 12 ---	AIRLINE METHOD
• missing	D26 39 ---	AIRLINE METHOD
Door handle:		
• does not stay upright	D16 81 ---	52-10 TASK 808
Door hold-open mechanism:		
• hard to operate	D18 29 ---	52-10 TASK 809
Door latch mechanism:		
• hard to operate	D19 29 ---	52-10 TASK 810
Door seal:		
• leaking	D22 36 ---	AIRLINE METHOD
• noisy	D22 42 ---	AIRLINE METHOD
• torn	D22 60 ---	AIRLINE METHOD
Door window:		
• cracked	D23 15 ---	AIRLINE METHOD
• dirty	D23 17 ---	AIRLINE METHOD
• fogged/moisture between panes	D23 24 ---	AIRLINE METHOD
• leaking	D23 36 ---	AIRLINE METHOD
• noisy	D23 42 ---	AIRLINE METHOD
• scratched	D23 51 ---	AIRLINE METHOD

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FAULT DESCRIPTION	FAULT CODE (location ---)	GO TO FIM TASK
DOORS/EXITS/WINDOWS (continued)		
Door window shade:		
• damaged	D24 12 ---	AIRLINE METHOD
• hard to operate	D24 29 ---	25-21 TASK 804
• loose	D24 37 ---	25-21 TASK 804
• missing	D24 39 ---	AIRLINE METHOD
• stuck	D24 58 ---	25-21 TASK 804

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FAULT ISOLATION MANUAL

<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u> (location ---)	<u>GO TO FIM TASK</u>
EMERGENCY EQUIPMENT		
Emergency area light:		
• does not turn off	E32 83 ---	33-50 TASK 801
• does not turn on	E32 84 ---	33-50 TASK 801
Emergency exit sign:		
• does not turn off	E12 83 ---	33-50 TASK 801
• does not turn on	E12 84 ---	33-50 TASK 801
Emergency floor proximity light:		
• does not turn off	E27 83 ---	33-50 TASK 801
• does not turn on	E27 84 ---	33-50 TASK 801
Escape slide pack bustle:		
• damaged	E13 12 ---	AIRLINE METHOD
• loose	E13 37 ---	AIRLINE METHOD
Escape slide pack pressure gauge:		
• damaged	E14 12 ---	AIRLINE METHOD
• hard to read	E14 94 ---	AIRLINE METHOD
• low pressure/quantity	E14 38 ---	AIRLINE METHOD
Escape strap:		
• damaged	E49 12 ---	AIRLINE METHOD
• does not stow	E49 82 ---	25-61 TASK 805
Extension seat belt:		
• damaged	E38 12 ---	AIRLINE METHOD
• missing	E38 39 ---	AIRLINE METHOD
Fire extinguisher:		
• missing	E15 39 ---	AIRLINE METHOD
• seal broken/missing	E15 96 ---	AIRLINE METHOD
• used	E15 64 ---	AIRLINE METHOD
First aid kit:		
• missing	E16 39 ---	AIRLINE METHOD
• seal broken/missing	E16 96 ---	AIRLINE METHOD
• used	E16 64 ---	AIRLINE METHOD
Flashlight:		
• damaged	E17 12 ---	AIRLINE METHOD
• does not turn off	E17 83 ---	33-55 TASK 801
• does not turn on	E17 84 ---	33-55 TASK 801
• missing	E17 39 ---	AIRLINE METHOD
• needs service	E17 41 ---	AIRLINE METHOD
Flashlight LED:		
• does not turn on	E37 84 ---	33-55 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u> (location ---)	<u>GO TO FIM TASK</u>
EMERGENCY EQUIPMENT (continued)		
Life vest, child:		
• damaged	E18 12 ---	AIRLINE METHOD
• missing	E18 39 ---	AIRLINE METHOD
Life vest, crew:		
• damaged	E19 12 ---	AIRLINE METHOD
• missing	E19 39 ---	AIRLINE METHOD
Life vest, demo:		
• damaged	E29 12 ---	AIRLINE METHOD
• missing	E29 39 ---	AIRLINE METHOD
Life vest, passenger:		
• damaged	E20 12 ---	AIRLINE METHOD
• missing	E20 39 ---	AIRLINE METHOD
Oxygen demo mask:		
• damaged	E21 12 ---	AIRLINE METHOD
• missing	E21 39 ---	AIRLINE METHOD
Oxygen mask door on PSU:		
• does not stay upright	E51 81 ---	35-22 TASK 804
Portable oxygen bottle:		
• low pressure/quantity	E22 38 ---	AIRLINE METHOD
• missing	E22 39 ---	AIRLINE METHOD
• used	E22 64 ---	AIRLINE METHOD
Portable oxygen mask:		
• damaged	E23 12 ---	AIRLINE METHOD
• missing	E23 39 ---	AIRLINE METHOD
• used	E23 64 ---	AIRLINE METHOD
Therapeutic oxygen bottle:		
• low pressure/quantity	E55 38 ---	AIRLINE METHOD
• missing	E55 39 ---	AIRLINE METHOD
• used	E55 64 ---	AIRLINE METHOD
Therapeutic oxygen mask:		
• damaged	E56 12 ---	AIRLINE METHOD
• missing	E56 39 ---	AIRLINE METHOD
• used	E56 64 ---	AIRLINE METHOD

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u> (location ---)	<u>GO TO FIM TASK</u>
GALLEYS		
Cart restraint quarter turn:		
• missing	G24 39 ---	AIRLINE METHOD
• needs adjustment	G24 40 ---	AIRLINE METHOD
Coffee maker:		
• circuit breaker opens	G12 48 ---	AIRLINE METHOD
• damaged	G12 12 ---	AIRLINE METHOD
• inoperative	G12 33 ---	AIRLINE METHOD
• leaking	G12 36 ---	AIRLINE METHOD
• light does not come on	G12 21 ---	AIRLINE METHOD
• overflows	G12 44 ---	AIRLINE METHOD
• smoking or sparking	G12 55 ---	AIRLINE METHOD
Counter/shelf:		
• damaged	G26 12 ---	AIRLINE METHOD
• stuck	G26 58 ---	AIRLINE METHOD
Faucet in galley:		
• damaged	G13 12 ---	AIRLINE METHOD
• does not turn off	G13 83 ---	38-10 TASK 805
• does not turn on	G13 84 ---	38-10 TASK 806
• high pressure	G13 86 ---	38-10 TASK 809
• leaking	G13 36 ---	38-10 TASK 805
• low pressure/quantity	G13 38 ---	38-10 TASK 806
• no hot water	G13 87 ---	38-10 TASK 811
• no water	G13 43 ---	38-10 TASK 806
• overheats	G13 46 ---	38-10 TASK 808
Floor in galley:		
• damaged	G14 12 ---	AIRLINE METHOD
• dirty	G14 17 ---	AIRLINE METHOD
• loose	G14 37 ---	AIRLINE METHOD
• torn	G14 60 ---	AIRLINE METHOD
• weak/spongy	G14 66 ---	AIRLINE METHOD
• wet	G14 67 ---	AIRLINE METHOD
Folding cart:		
• damaged	G23 12 ---	AIRLINE METHOD
• latch or lock broken	G23 35 ---	AIRLINE METHOD
Galley power:		
• inoperative	G55 33 ---	25-31 TASK 801

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u> (location ---)	<u>GO TO FIM TASK</u>
GALLEYS (continued)		
Oven:		
● damaged	G16 12 ---	AIRLINE METHOD
● dirty	G16 17 ---	AIRLINE METHOD
● does not close/fasten	G16 71 ---	AIRLINE METHOD
● does not heat enough	G16 76 ---	AIRLINE METHOD
● does not open	G16 77 ---	AIRLINE METHOD
● inoperative	G16 33 ---	AIRLINE METHOD
● overheats	G16 46 ---	AIRLINE METHOD
● smells bad	G16 54 ---	AIRLINE METHOD
● smoking or sparking	G16 55 ---	AIRLINE METHOD
Sink in galley:		
● dirty	G17 17 ---	AIRLINE METHOD
● overflows	G17 44 ---	38-30 TASK 819
● plugged	G17 47 ---	38-30 TASK 819
● smells bad	G17 54 ---	AIRLINE METHOD
Warming oven:		
● damaged	G27 12 ---	AIRLINE METHOD
● dirty	G27 17 ---	AIRLINE METHOD
● does not close/fasten	G27 71 ---	AIRLINE METHOD
● does not heat enough	G27 76 ---	AIRLINE METHOD
● does not open	G27 77 ---	AIRLINE METHOD
● inoperative	G27 33 ---	AIRLINE METHOD
● overheats	G27 46 ---	AIRLINE METHOD
● smells bad	G27 54 ---	AIRLINE METHOD
● smoking or sparking	G27 55 ---	AIRLINE METHOD
Waste container door in galley:		
● does not close/fasten	G20 71 ---	AIRLINE METHOD
● missing	G20 39 ---	AIRLINE METHOD
Water supply in galley:		
● leaking	G52 36 ---	38-10 TASK 804
● poor quality	G52 49 ---	38-10 TASK 810
● smells bad	G52 54 ---	38-10 TASK 810
Work table in galley:		
● damaged	G21 12 ---	AIRLINE METHOD
● does not stay upright	G21 81 ---	AIRLINE METHOD

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u> (location ---)	<u>GO TO FIM TASK</u>
IN-FLIGHT ENTERTAINMENT SYSTEM		
Airshow:		
• inoperative	I34 33 ---	23-32 TASK 806
Audio entertainment player:		
• damaged	I28 12 ---	23-34 TASK 804
• does not turn off	I28 83 ---	23-34 TASK 803
• does not turn on	I28 84 ---	23-34 TASK 805
• inoperative	I28 33 ---	23-34 TASK 805
Seat audio:		
• does not turn off	I27 83 ---	23-34 TASK 803
• does not turn on	I27 84 ---	23-34 TASK 802
• inoperative	I27 33 ---	23-34 TASK 802
• intermittent	I27 34 ---	23-34 TASK 802
• poor audio quality	I27 98 ---	23-34 TASK 802
• volume problem	I27 65 ---	23-34 TASK 802
Seat audio channel select:		
• damaged	I31 12 ---	23-34 TASK 801
• inoperative	I31 33 ---	23-34 TASK 801
Seat audio jack:		
• loose	I29 37 ---	23-34 TASK 801
• plugged	I29 47 ---	23-34 TASK 801
Seat audio volume control:		
• damaged	I22 12 ---	23-34 TASK 801
• inoperative	I22 33 ---	23-34 TASK 801
Video monitor:		
• damaged	I11 12 ---	23-32 TASK 801
• inoperative	I11 33 ---	23-32 TASK 802
• poor picture quality	I11 97 ---	23-32 TASK 801
Video tape reproducer:		
• does not eject	I26 72 ---	23-32 TASK 803
• does not rewind	I26 79 ---	23-32 TASK 803
• does not turn off	I26 83 ---	23-32 TASK 803
• inoperative	I26 33 ---	23-32 TASK 803
• poor audio quality	I26 98 ---	23-32 TASK 805
• poor picture quality	I26 97 ---	23-32 TASK 804
• shuts off	I26 52 ---	23-32 TASK 803

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u> (location ---)	<u>GO TO FIM TASK</u>
LIGHTS		
Attendant work light:		
• does not turn off	L31 83 ---	33-20 TASK 801
• does not turn on	L31 84 ---	33-20 TASK 801
Call light above passenger seat:		
• does not turn off	L11 83 ---	33-20 TASK 801
• does not turn on	L11 84 ---	33-20 TASK 801
Ceiling light, bin mounted:		
• does not turn off	L13 83 ---	33-20 TASK 801
• does not turn on	L13 84 ---	33-20 TASK 801
Ceiling light, recessed:		
• does not turn off	L30 83 ---	33-20 TASK 801
• does not turn on	L30 84 ---	33-20 TASK 801
Closet light:		
• does not turn off	L16 83 ---	33-20 TASK 801
• does not turn on	L16 84 ---	33-20 TASK 801
Entry light:		
• does not turn off	L17 83 ---	33-20 TASK 801
• does not turn on	L17 84 ---	33-20 TASK 801
Galley ceiling light:		
• does not turn off	L18 83 ---	33-20 TASK 801
• does not turn on	L18 84 ---	33-20 TASK 801
Galley work light:		
• does not turn off	L20 83 ---	33-20 TASK 801
• does not turn on	L20 84 ---	33-20 TASK 801
Lavatory light:		
• does not turn off	L19 83 ---	33-20 TASK 801
• does not turn on	L19 84 ---	33-20 TASK 801
Night light:		
• does not turn off	L21 83 ---	33-20 TASK 801
• does not turn on	L21 84 ---	33-20 TASK 801
Reading light:		
• does not turn off	L23 83 ---	33-20 TASK 801
• does not turn on	L23 84 ---	33-20 TASK 801
Window light:		
• does not turn off	L25 83 ---	33-20 TASK 801
• does not turn on	L25 84 ---	33-20 TASK 801

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MISCELLANEOUS/CABIN GENERAL		
Area heater in door:		
• inoperative	M22 33 ---	21-45 TASK 801
Bump strip in cabin:		
• damaged	M46 12 ---	AIRLINE METHOD
• missing	M46 39 ---	AIRLINE METHOD
CLEAN/CHECK SENSORS light on the attendant's panel:		
• light comes on	M63 93 ---	38-30 TASK 802
Carpet:		
• dirty	M11 17 ---	AIRLINE METHOD
• torn	M11 60 ---	AIRLINE METHOD
• wet	M11 67 ---	AIRLINE METHOD
Ceiling panel:		
• damaged	M12 12 ---	AIRLINE METHOD
• dirty	M12 17 ---	AIRLINE METHOD
• loose	M12 37 ---	AIRLINE METHOD
• missing	M12 39 ---	AIRLINE METHOD
• wet	M12 67 ---	38-10 TASK 804
Closet door:		
• damaged	M13 12 ---	AIRLINE METHOD
• hard to close	M13 27 ---	AIRLINE METHOD
• hard to open	M13 28 ---	AIRLINE METHOD
• latch or lock broken	M13 35 ---	AIRLINE METHOD
Compartment handle:		
• latch or lock broken	M28 35 ---	AIRLINE METHOD
Curtain:		
• dirty	M14 17 ---	AIRLINE METHOD
• missing	M14 39 ---	AIRLINE METHOD
• torn	M14 60 ---	AIRLINE METHOD
Curtain rails/hooks:		
• damaged	M48 12 ---	AIRLINE METHOD
• missing	M48 39 ---	AIRLINE METHOD
Curtain tie backs:		
• damaged	M15 12 ---	AIRLINE METHOD
• dirty	M15 17 ---	AIRLINE METHOD
• does not lock in place	M15 85 ---	AIRLINE METHOD
• missing	M15 39 ---	AIRLINE METHOD
• torn	M15 60 ---	AIRLINE METHOD

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u> (location ---)	<u>GO TO FIM TASK</u>
MISCELLANEOUS/CABIN GENERAL (continued)		
Door entry mats:		
• damaged	M49 12 ---	AIRLINE METHOD
• dirty	M49 17 ---	AIRLINE METHOD
• loose	M49 37 ---	AIRLINE METHOD
• missing	M49 39 ---	AIRLINE METHOD
Emergency exit door area:		
• too cold	M62 14 ---	21-45 TASK 802
Fasten-seat-belt sign:		
• does not turn off	M23 83 ---	33-20 TASK 801
• does not turn on	M23 84 ---	33-20 TASK 801
Floor in cabin:		
• weak/spongy	M47 66 ---	AIRLINE METHOD
Insects:		
• detected on airplane	M55 99 ---	AIRLINE METHOD
LAVS INOP light on the attendant's panel:		
• light comes on	M64 93 ---	38-30 TASK 802
Lavatory-occupied sign:		
• does not turn off	M17 83 ---	33-20 TASK 801
• does not turn on	M17 84 ---	33-20 TASK 801
No-smoking sign:		
• does not turn off	M19 83 ---	33-20 TASK 801
• does not turn on	M19 84 ---	33-20 TASK 801
Overhead stowage bin:		
• damaged	M20 12 ---	AIRLINE METHOD
• dirty	M20 17 ---	AIRLINE METHOD
• does not close/fasten	M20 71 ---	25-24 TASK 801
• does not open	M20 77 ---	25-24 TASK 801
• latch or lock broken	M20 35 ---	AIRLINE METHOD
• needs adjustment	M20 40 ---	25-24 TASK 801
• wet	M20 67 ---	AIRLINE METHOD
Placard/decals in cabin:		
• damaged	M50 12 ---	AIRLINE METHOD
• incorrect	M50 32 ---	AIRLINE METHOD
• missing	M50 39 ---	AIRLINE METHOD
Potable water indicator:		
• low pressure/quantity	M60 38 ---	38-10 TASK 812
Rodent:		
• detected on airplane	M54 99 ---	AIRLINE METHOD

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FAULT ISOLATION MANUAL

<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u> (location ---)	<u>GO TO FIM TASK</u>
MISCELLANEOUS/CABIN GENERAL (continued)		
Sidewall panel:		
● damaged	M24 12 ---	AIRLINE METHOD
● dirty	M24 17 ---	AIRLINE METHOD
● loose	M24 37 ---	AIRLINE METHOD
Stowage compartment door:		
● damaged	M59 12 ---	AIRLINE METHOD
● hard to close	M59 27 ---	AIRLINE METHOD
● hard to open	M59 28 ---	AIRLINE METHOD
● latch or lock broken	M59 35 ---	AIRLINE METHOD

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737-600/700/800/900
FAULT ISOLATION MANUAL

<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u> (location ---)	<u>GO TO FIM TASK</u>
SEATS		
Flight attendant seat:		
• damaged	S15 12 ---	AIRLINE METHOD
• dirty	S15 17 ---	AIRLINE METHOD
• does not close/fasten	S15 71 ---	AIRLINE METHOD
• does not open	S15 77 ---	AIRLINE METHOD
• hard to operate	S15 29 ---	AIRLINE METHOD
• loose	S15 37 ---	AIRLINE METHOD
• torn	S15 60 ---	AIRLINE METHOD
• wet	S15 67 ---	AIRLINE METHOD
Flight attendant seat harness:		
• damaged	S16 12 ---	AIRLINE METHOD
• hard to operate	S16 29 ---	AIRLINE METHOD
• needs adjustment	S16 40 ---	AIRLINE METHOD
Passenger service unit air outlet:		
• inoperative	S35 33 ---	25-23 TASK 801
Passenger service unit panel:		
• does not close/fasten	S34 71 ---	25-23 TASK 801
• loose	S34 37 ---	25-23 TASK 801
Seat aisle trim:		
• damaged	S20 12 ---	AIRLINE METHOD
• loose	S20 37 ---	AIRLINE METHOD
Seat armrest:		
• damaged	S11 12 ---	AIRLINE METHOD
• does not extend/lower	S11 73 ---	AIRLINE METHOD
• needs adjustment	S11 40 ---	AIRLINE METHOD
Seat ashtray:		
• damaged	S12 12 ---	AIRLINE METHOD
• does not close/fasten	S12 71 ---	AIRLINE METHOD
• does not open	S12 77 ---	AIRLINE METHOD
• missing	S12 39 ---	AIRLINE METHOD
• needs adjustment	S12 40 ---	AIRLINE METHOD
Seat assembly:		
• loose	S21 37 ---	AIRLINE METHOD

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FAULT ISOLATION MANUAL

<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u> (location ---)	<u>GO TO FIM TASK</u>
SEATS (continued)		
Seat back:		
• damaged	S22 12 ---	25-22 TASK 801
• dirty	S22 17 ---	AIRLINE METHOD
• does not recline	S22 78 ---	25-22 TASK 801
• does not stay upright	S22 81 ---	25-22 TASK 801
• loose	S22 37 ---	AIRLINE METHOD
• torn	S22 60 ---	AIRLINE METHOD
• wet	S22 67 ---	AIRLINE METHOD
Seat back pocket:		
• damaged	S23 12 ---	AIRLINE METHOD
• dirty	S23 17 ---	AIRLINE METHOD
• torn	S23 60 ---	AIRLINE METHOD
• wet	S23 67 ---	AIRLINE METHOD
Seat belt:		
• damaged	S24 12 ---	AIRLINE METHOD
• dirty	S24 17 ---	AIRLINE METHOD
• inoperative	S24 33 ---	AIRLINE METHOD
• missing	S24 39 ---	AIRLINE METHOD
Seat bottom cushion:		
• dirty	S25 17 ---	AIRLINE METHOD
• smells bad	S25 54 ---	AIRLINE METHOD
• stained	S25 57 ---	AIRLINE METHOD
• torn	S25 60 ---	AIRLINE METHOD
• wet	S25 67 ---	AIRLINE METHOD
Seat footrest:		
• damaged	S13 12 ---	AIRLINE METHOD
• dirty	S13 17 ---	AIRLINE METHOD
• hard to operate	S13 29 ---	AIRLINE METHOD
• inoperative	S13 33 ---	AIRLINE METHOD
• torn	S13 60 ---	AIRLINE METHOD
• wet	S13 67 ---	AIRLINE METHOD
Seat headrest:		
• damaged	S14 12 ---	AIRLINE METHOD
• dirty	S14 17 ---	AIRLINE METHOD
• hard to operate	S14 29 ---	AIRLINE METHOD
• inoperative	S14 33 ---	AIRLINE METHOD
• loose	S14 37 ---	AIRLINE METHOD
• torn	S14 60 ---	AIRLINE METHOD
• wet	S14 67 ---	AIRLINE METHOD

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u> (location ---)	<u>GO TO FIM TASK</u>
SEATS (continued)		
Seat legrest:		
• damaged	S29 12 ---	AIRLINE METHOD
• dirty	S29 17 ---	AIRLINE METHOD
• does not stow	S29 82 ---	AIRLINE METHOD
• hard to operate	S29 29 ---	AIRLINE METHOD
• inoperative	S29 33 ---	AIRLINE METHOD
• torn	S29 60 ---	AIRLINE METHOD
• wet	S29 67 ---	AIRLINE METHOD
Seat safety card:		
• damaged	S19 12 ---	AIRLINE METHOD
• incorrect	S19 32 ---	AIRLINE METHOD
• missing	S19 39 ---	AIRLINE METHOD
Seat track insert:		
• damaged	S26 12 ---	AIRLINE METHOD
• loose	S26 37 ---	AIRLINE METHOD
• missing	S26 39 ---	AIRLINE METHOD
Seat tray table:		
• damaged	S27 12 ---	AIRLINE METHOD
• dirty	S27 17 ---	AIRLINE METHOD
• does not stow	S27 82 ---	AIRLINE METHOD
• latch or lock broken	S27 35 ---	AIRLINE METHOD
• needs adjustment	S27 40 ---	AIRLINE METHOD

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FAULT ISOLATION MANUAL

<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u> (location ---)	<u>GO TO FIM TASK</u>
TOILETS/LAVATORIES		
Countertop in lavatory:		
• damaged	T12 12 ---	AIRLINE METHOD
• dirty	T12 17 ---	AIRLINE METHOD
Door to lavatory:		
• damaged	T13 12 ---	AIRLINE METHOD
• does not close/fasten	T13 71 ---	AIRLINE METHOD
• does not open	T13 77 ---	AIRLINE METHOD
• latch or lock broken	T13 35 ---	AIRLINE METHOD
Faucet in lavatory:		
• damaged	T14 12 ---	AIRLINE METHOD
• does not turn off	T14 83 ---	38-10 TASK 807
• does not turn on	T14 84 ---	38-10 TASK 806
• high pressure	T14 86 ---	38-10 TASK 809
• leaking	T14 36 ---	38-10 TASK 812
• low pressure/quantity	T14 38 ---	38-10 TASK 806
• no hot water	T14 87 ---	38-10 TASK 811
• no water	T14 43 ---	38-10 TASK 806
• overheats	T14 46 ---	38-10 TASK 808
Floor in lavatory:		
• dirty	T31 17 ---	AIRLINE METHOD
Grab handle in lavatory:		
• damaged	T15 12 ---	AIRLINE METHOD
• dirty	T15 17 ---	AIRLINE METHOD
Mirror in lavatory:		
• damaged	T16 12 ---	AIRLINE METHOD
• dirty	T16 17 ---	AIRLINE METHOD
• loose	T16 37 ---	AIRLINE METHOD
Return-to-seat sign in lavatory:		
• does not turn off	T18 83 ---	33-20 TASK 801
• does not turn on	T18 84 ---	33-20 TASK 801
Sink drain stopper in lavatory:		
• inoperative	T20 33 ---	38-30 TASK 818
Sink in lavatory:		
• dirty	T32 17 ---	AIRLINE METHOD
• plugged	T32 47 ---	38-30 TASK 819

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u> (location ---)	<u>GO TO FIM TASK</u>
TOILETS/LAVATORIES (continued)		
Smoke detector:		
• damaged	T21 12 ---	AIRLINE METHOD
• disconnected	T21 19 ---	AIRLINE METHOD
• does not turn off	T21 83 ---	26-14 TASK 801
• inoperative	T21 33 ---	AIRLINE METHOD
• loose	T21 37 ---	AIRLINE METHOD
• missing	T21 39 ---	AIRLINE METHOD
Soap dispenser:		
• damaged	T22 12 ---	AIRLINE METHOD
• empty	T22 22 ---	AIRLINE METHOD
• hard to operate	T22 29 ---	AIRLINE METHOD
• inoperative	T22 33 ---	AIRLINE METHOD
• leaking	T22 36 ---	AIRLINE METHOD
Toilet bowl:		
• damaged	T23 12 ---	AIRLINE METHOD
• dirty	T23 17 ---	AIRLINE METHOD
• overflows	T23 44 ---	38-30 TASK 814
• plugged	T23 47 ---	38-30 TASK 815
• smells bad	T23 54 ---	AIRLINE METHOD
Toilet flush button:		
• damaged	T24 12 ---	AIRLINE METHOD
• dirty	T24 17 ---	AIRLINE METHOD
Toilet flush system:		
• does not flush	T25 74 ---	38-30 TASK 811
• does not turn off	T25 83 ---	38-30 TASK 816
• plugged	T25 47 ---	38-30 TASK 817
Toilet roll holder:		
• damaged	T39 12 ---	AIRLINE METHOD
• missing	T39 39 ---	AIRLINE METHOD
Toilet seat:		
• damaged	T26 12 ---	AIRLINE METHOD
• dirty	T26 17 ---	AIRLINE METHOD
• missing	T26 39 ---	AIRLINE METHOD
Toilet seat lid:		
• damaged	T27 12 ---	AIRLINE METHOD
• dirty	T27 17 ---	AIRLINE METHOD
• missing	T27 39 ---	AIRLINE METHOD

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<u>FAULT DESCRIPTION</u>	<u>FAULT CODE</u> (location ---)	<u>GO TO FIM TASK</u>
TOILETS/LAVATORIES (continued)		
Waste chute door in lavatory:		
● damaged	T28 12 ---	AIRLINE METHOD
● needs adjustment	T28 40 ---	25-40 TASK 801
● plugged	T28 47 ---	AIRLINE METHOD
Water supply in lavatory:		
● poor quality	T41 49 ---	38-10 TASK 810
● smells bad	T41 54 ---	38-10 TASK 810

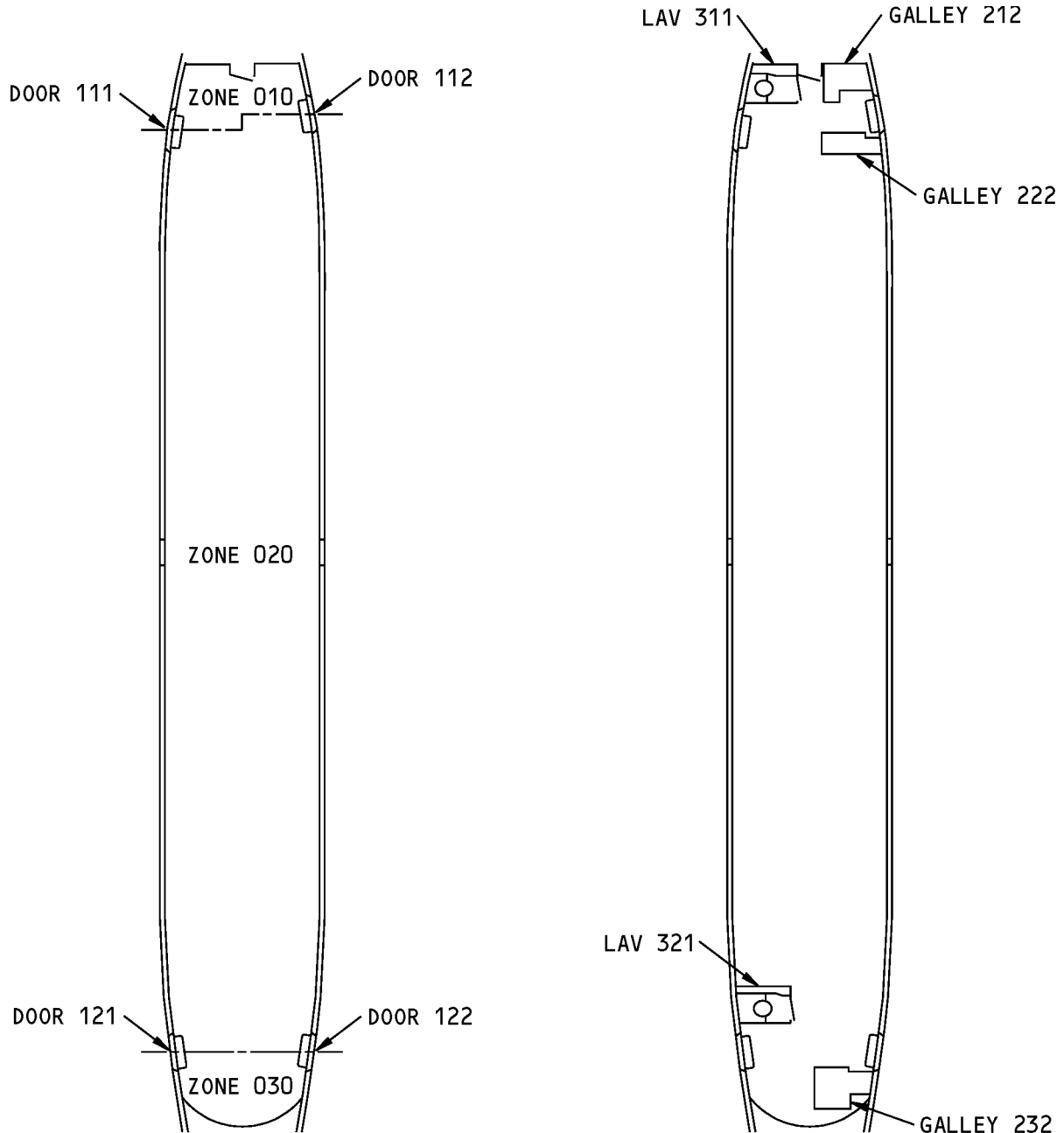
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FAULT ISOLATION MANUAL



- NOTE:**
- Use seat number of nearest seat if you do not find a location code here.
 - Use location code of the applicable zone if fault occurs in entire zone.
 - Use location code "000" if fault occurs in entire cabin.

Location Codes - Doors, Zones, Galleys, and Lavatories
Figure 1

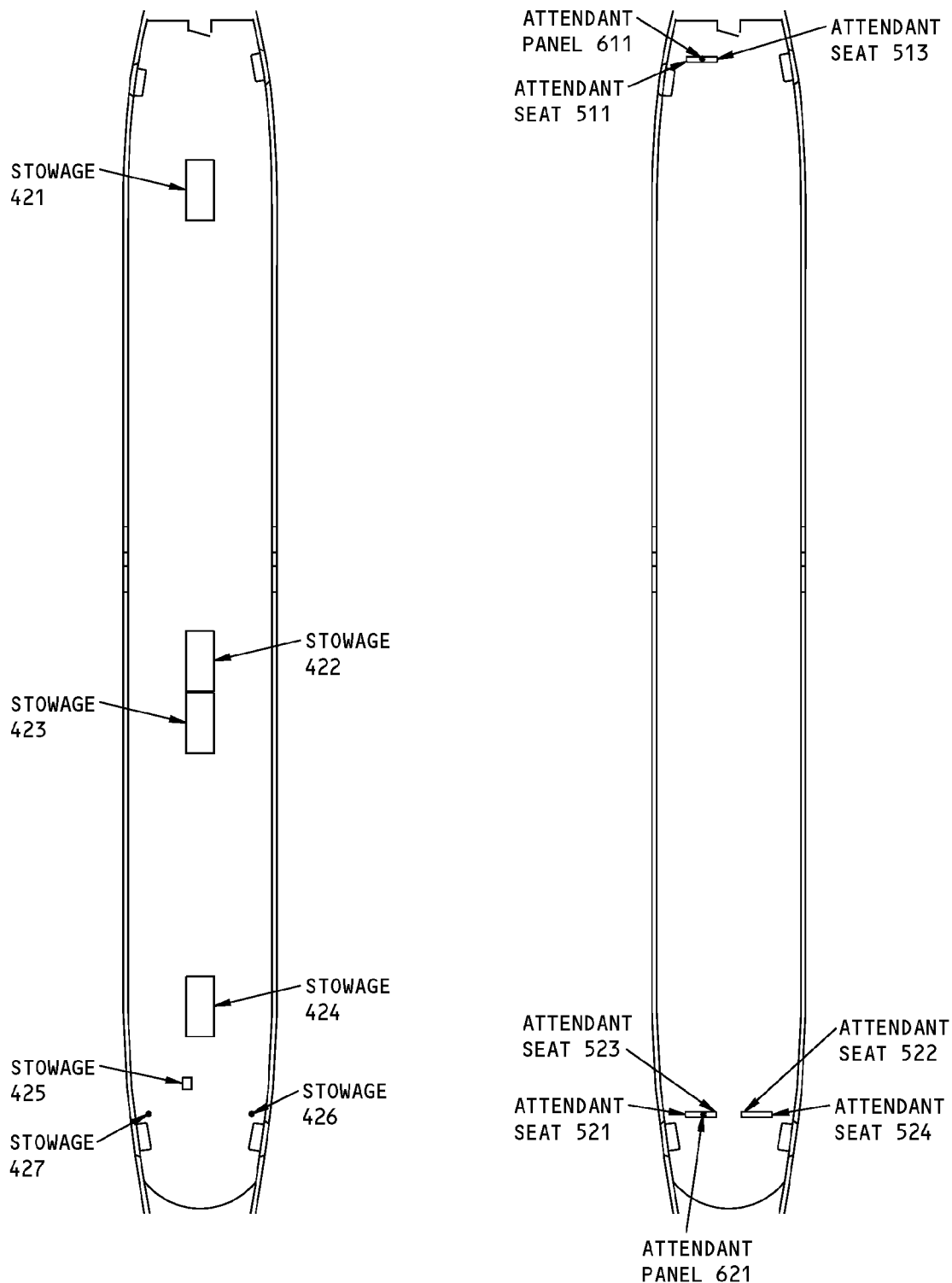
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Location Codes - Closets, Stowage, Attendant Seats and Panels
 Figure 2

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FAULT CODE	FAULT DESCRIPTION	GO TO FIM TASK
C12 12 ---	Cabin attendant handset: damaged.	AIRLINE METHOD
C12 20 ---	Cabin attendant handset: distorted.	23-41 TASK 804
C12 33 ---	Cabin attendant handset: inoperative.	23-41 TASK 804
C12 65 ---	Cabin attendant handset: volume problem.	23-41 TASK 804
C14 65 ---	Chimes: volume problem.	23-31 TASK 802
C14 83 ---	Chimes: does not turn off.	23-31 TASK 803
C14 84 ---	Chimes: does not turn on.	23-31 TASK 804
C16 20 ---	Passenger address system: distorted.	23-31 TASK 805
C16 33 ---	Passenger address system: inoperative.	23-31 TASK 805
C16 34 ---	Passenger address system: intermittent.	23-31 TASK 805
C16 65 ---	Passenger address system: volume problem.	23-31 TASK 802
C17 33 ---	Speaker: inoperative.	23-31 TASK 806
C17 34 ---	Speaker: intermittent.	23-31 TASK 806
C17 42 ---	Speaker: noisy.	23-31 TASK 806
C17 65 ---	Speaker: volume problem.	23-31 TASK 806
C18 83 ---	Chimes light: does not turn off.	33-20 TASK 801
C18 84 ---	Chimes light: does not turn on.	33-20 TASK 801
D11 15 ---	Cabin window: cracked.	AIRLINE METHOD
D11 17 ---	Cabin window: dirty.	AIRLINE METHOD
D11 24 ---	Cabin window: fogged/moisture between panes.	AIRLINE METHOD
D11 36 ---	Cabin window: leaking.	AIRLINE METHOD
D11 42 ---	Cabin window: noisy.	AIRLINE METHOD
D11 51 ---	Cabin window: scratched.	AIRLINE METHOD
D12 12 ---	Cabin window shade: damaged.	AIRLINE METHOD
D12 29 ---	Cabin window shade: hard to operate.	25-21 TASK 803
D12 37 ---	Cabin window shade: loose.	25-21 TASK 803
D12 39 ---	Cabin window shade: missing.	AIRLINE METHOD

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FAULT ISOLATION MANUAL

FAULT CODE	FAULT DESCRIPTION	GO TO FIM TASK
D12 58 ---	Cabin window shade: stuck.	25-21 TASK 803
D13 27 ---	Door: hard to close.	52-10 TASK 807
D13 28 ---	Door: hard to open.	52-10 TASK 807
D16 81 ---	Door handle: does not stay upright.	52-10 TASK 808
D18 29 ---	Door hold-open mechanism: hard to operate.	52-10 TASK 809
D19 29 ---	Door latch mechanism: hard to operate.	52-10 TASK 810
D22 36 ---	Door seal: leaking.	AIRLINE METHOD
D22 42 ---	Door seal: noisy.	AIRLINE METHOD
D22 60 ---	Door seal: torn.	AIRLINE METHOD
D23 15 ---	Door window: cracked.	AIRLINE METHOD
D23 17 ---	Door window: dirty.	AIRLINE METHOD
D23 24 ---	Door window: fogged/moisture between panes.	AIRLINE METHOD
D23 36 ---	Door window: leaking.	AIRLINE METHOD
D23 42 ---	Door window: noisy.	AIRLINE METHOD
D23 51 ---	Door window: scratched.	AIRLINE METHOD
D24 12 ---	Door window shade: damaged.	AIRLINE METHOD
D24 29 ---	Door window shade: hard to operate.	25-21 TASK 804
D24 37 ---	Door window shade: loose.	25-21 TASK 804
D24 39 ---	Door window shade: missing.	AIRLINE METHOD
D24 58 ---	Door window shade: stuck.	25-21 TASK 804
D26 12 ---	Door grab handle: damaged.	AIRLINE METHOD
D26 39 ---	Door grab handle: missing.	AIRLINE METHOD
E12 83 ---	Emergency exit sign: does not turn off.	33-50 TASK 801
E12 84 ---	Emergency exit sign: does not turn on.	33-50 TASK 801
E13 12 ---	Escape slide pack bustle: damaged.	AIRLINE METHOD
E13 37 ---	Escape slide pack bustle: loose.	AIRLINE METHOD
E14 12 ---	Escape slide pack pressure gauge: damaged.	AIRLINE METHOD
E14 38 ---	Escape slide pack pressure gauge: low pressure/quantity.	AIRLINE METHOD

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FAULT CODE	FAULT DESCRIPTION	GO TO FIM TASK
E14 94 ---	Escape slide pack pressure gauge: hard to read.	AIRLINE METHOD
E15 39 ---	Fire extinguisher: missing.	AIRLINE METHOD
E15 64 ---	Fire extinguisher: used.	AIRLINE METHOD
E15 96 ---	Fire extinguisher: seal broken/missing.	AIRLINE METHOD
E16 39 ---	First aid kit: missing.	AIRLINE METHOD
E16 64 ---	First aid kit: used.	AIRLINE METHOD
E16 96 ---	First aid kit: seal broken/missing.	AIRLINE METHOD
E17 12 ---	Flashlight: damaged.	AIRLINE METHOD
E17 39 ---	Flashlight: missing.	AIRLINE METHOD
E17 41 ---	Flashlight: needs service.	AIRLINE METHOD
E17 83 ---	Flashlight: does not turn off.	33-55 TASK 801
E17 84 ---	Flashlight: does not turn on.	33-55 TASK 801
E18 12 ---	Life vest, child: damaged.	AIRLINE METHOD
E18 39 ---	Life vest, child: missing.	AIRLINE METHOD
E19 12 ---	Life vest, crew: damaged.	AIRLINE METHOD
E19 39 ---	Life vest, crew: missing.	AIRLINE METHOD
E20 12 ---	Life vest, passenger: damaged.	AIRLINE METHOD
E20 39 ---	Life vest, passenger: missing.	AIRLINE METHOD
E21 12 ---	Oxygen demo mask: damaged.	AIRLINE METHOD
E21 39 ---	Oxygen demo mask: missing.	AIRLINE METHOD
E22 38 ---	Portable oxygen bottle: low pressure/quantity.	AIRLINE METHOD
E22 39 ---	Portable oxygen bottle: missing.	AIRLINE METHOD
E22 64 ---	Portable oxygen bottle: used.	AIRLINE METHOD
E23 12 ---	Portable oxygen mask: damaged.	AIRLINE METHOD
E23 39 ---	Portable oxygen mask: missing.	AIRLINE METHOD
E23 64 ---	Portable oxygen mask: used.	AIRLINE METHOD
E27 83 ---	Emergency floor proximity light: does not turn off.	33-50 TASK 801
E27 84 ---	Emergency floor proximity light: does not turn on.	33-50 TASK 801

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FAULT CODE	FAULT DESCRIPTION	GO TO FIM TASK
E29 12 ---	Life vest, demo: damaged.	AIRLINE METHOD
E29 39 ---	Life vest, demo: missing.	AIRLINE METHOD
E32 83 ---	Emergency area light: does not turn off.	33-50 TASK 801
E32 84 ---	Emergency area light: does not turn on.	33-50 TASK 801
E37 84 ---	Flashlight LED: does not turn on.	33-55 TASK 801
E38 12 ---	Extension seat belt: damaged.	AIRLINE METHOD
E38 39 ---	Extension seat belt: missing.	AIRLINE METHOD
E49 12 ---	Escape strap: damaged.	AIRLINE METHOD
E49 82 ---	Escape strap: does not stow.	25-61 TASK 805
E51 81 ---	Oxygen mask door on PSU: does not stay upright.	35-22 TASK 804
E55 38 ---	Therapeutic oxygen bottle: low pressure/quantity.	AIRLINE METHOD
E55 39 ---	Therapeutic oxygen bottle: missing.	AIRLINE METHOD
E55 64 ---	Therapeutic oxygen bottle: used.	AIRLINE METHOD
E56 12 ---	Therapeutic oxygen mask: damaged.	AIRLINE METHOD
E56 39 ---	Therapeutic oxygen mask: missing.	AIRLINE METHOD
E56 64 ---	Therapeutic oxygen mask: used.	AIRLINE METHOD
G12 12 ---	Coffee maker: damaged.	AIRLINE METHOD
G12 21 ---	Coffee maker: light does not come on.	AIRLINE METHOD
G12 33 ---	Coffee maker: inoperative.	AIRLINE METHOD
G12 36 ---	Coffee maker: leaking.	AIRLINE METHOD
G12 44 ---	Coffee maker: overflows.	AIRLINE METHOD
G12 48 ---	Coffee maker: circuit breaker opens.	AIRLINE METHOD
G12 55 ---	Coffee maker: smoking or sparking.	AIRLINE METHOD
G13 12 ---	Faucet in galley: damaged.	AIRLINE METHOD
G13 36 ---	Faucet in galley: leaking.	38-10 TASK 805
G13 38 ---	Faucet in galley: low pressure/quantity.	38-10 TASK 806
G13 43 ---	Faucet in galley: no water.	38-10 TASK 806
G13 46 ---	Faucet in galley: overheats.	38-10 TASK 808

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FAULT CODE	FAULT DESCRIPTION	GO TO FIM TASK
G13 83 ---	Faucet in galley: does not turn off.	38-10 TASK 805
G13 84 ---	Faucet in galley: does not turn on.	38-10 TASK 806
G13 86 ---	Faucet in galley: high pressure.	38-10 TASK 809
G13 87 ---	Faucet in galley: no hot water.	38-10 TASK 811
G14 12 ---	Floor in galley: damaged.	AIRLINE METHOD
G14 17 ---	Floor in galley: dirty.	AIRLINE METHOD
G14 37 ---	Floor in galley: loose.	AIRLINE METHOD
G14 60 ---	Floor in galley: torn.	AIRLINE METHOD
G14 66 ---	Floor in galley: weak/spongy.	AIRLINE METHOD
G14 67 ---	Floor in galley: wet.	AIRLINE METHOD
G16 12 ---	Oven: damaged.	AIRLINE METHOD
G16 17 ---	Oven: dirty.	AIRLINE METHOD
G16 33 ---	Oven: inoperative.	AIRLINE METHOD
G16 46 ---	Oven: overheats.	AIRLINE METHOD
G16 54 ---	Oven: smells bad.	AIRLINE METHOD
G16 55 ---	Oven: smoking or sparking.	AIRLINE METHOD
G16 71 ---	Oven: does not close/fasten.	AIRLINE METHOD
G16 76 ---	Oven: does not heat enough.	AIRLINE METHOD
G16 77 ---	Oven: does not open.	AIRLINE METHOD
G17 17 ---	Sink in galley: dirty.	AIRLINE METHOD
G17 44 ---	Sink in galley: overflows.	38-30 TASK 819
G17 47 ---	Sink in galley: plugged.	38-30 TASK 819
G17 54 ---	Sink in galley: smells bad.	AIRLINE METHOD
G20 39 ---	Waste container door in galley: missing.	AIRLINE METHOD
G20 71 ---	Waste container door in galley: does not close/fasten.	AIRLINE METHOD
G21 12 ---	Work table in galley: damaged.	AIRLINE METHOD
G21 81 ---	Work table in galley: does not stay upright.	AIRLINE METHOD
G23 12 ---	Folding cart: damaged.	AIRLINE METHOD

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FAULT CODE	FAULT DESCRIPTION	GO TO FIM TASK
G23 35 ---	Folding cart: latch or lock broken.	AIRLINE METHOD
G24 39 ---	Cart restraint quarter turn: missing.	AIRLINE METHOD
G24 40 ---	Cart restraint quarter turn: needs adjustment.	AIRLINE METHOD
G26 12 ---	Counter/shelf: damaged.	AIRLINE METHOD
G26 58 ---	Counter/shelf: stuck.	AIRLINE METHOD
G27 12 ---	Warming oven: damaged.	AIRLINE METHOD
G27 17 ---	Warming oven: dirty.	AIRLINE METHOD
G27 33 ---	Warming oven: inoperative.	AIRLINE METHOD
G27 46 ---	Warming oven: overheats.	AIRLINE METHOD
G27 54 ---	Warming oven: smells bad.	AIRLINE METHOD
G27 55 ---	Warming oven: smoking or sparking.	AIRLINE METHOD
G27 71 ---	Warming oven: does not close/fasten.	AIRLINE METHOD
G27 76 ---	Warming oven: does not heat enough.	AIRLINE METHOD
G27 77 ---	Warming oven: does not open.	AIRLINE METHOD
G52 36 ---	Water supply in galley: leaking.	38-10 TASK 804
G52 49 ---	Water supply in galley: poor quality.	38-10 TASK 810
G52 54 ---	Water supply in galley: smells bad.	38-10 TASK 810
G55 33 ---	Galley power: inoperative.	25-31 TASK 801
I11 12 ---	Video monitor: damaged.	23-32 TASK 801
I11 33 ---	Video monitor: inoperative.	23-32 TASK 802
I11 97 ---	Video monitor: poor picture quality.	23-32 TASK 801
I22 12 ---	Seat audio volume control: damaged.	23-34 TASK 801
I22 33 ---	Seat audio volume control: inoperative.	23-34 TASK 801
I26 33 ---	Video tape reproducer: inoperative.	23-32 TASK 803
I26 52 ---	Video tape reproducer: shuts off.	23-32 TASK 803
I26 72 ---	Video tape reproducer: does not eject.	23-32 TASK 803
I26 79 ---	Video tape reproducer: does not rewind.	23-32 TASK 803
I26 83 ---	Video tape reproducer: does not turn off.	23-32 TASK 803

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FAULT CODE	FAULT DESCRIPTION	GO TO FIM TASK
I26 97 ---	Video tape reproducer: poor picture quality.	23-32 TASK 804
I26 98 ---	Video tape reproducer: poor audio quality.	23-32 TASK 805
I27 33 ---	Seat audio: inoperative.	23-34 TASK 802
I27 34 ---	Seat audio: intermittent.	23-34 TASK 802
I27 65 ---	Seat audio: volume problem.	23-34 TASK 802
I27 83 ---	Seat audio: does not turn off.	23-34 TASK 803
I27 84 ---	Seat audio: does not turn on.	23-34 TASK 802
I27 98 ---	Seat audio: poor audio quality.	23-34 TASK 802
I28 12 ---	Audio entertainment player: damaged.	23-34 TASK 804
I28 33 ---	Audio entertainment player: inoperative.	23-34 TASK 805
I28 83 ---	Audio entertainment player: does not turn off.	23-34 TASK 803
I28 84 ---	Audio entertainment player: does not turn on.	23-34 TASK 805
I29 37 ---	Seat audio jack: loose.	23-34 TASK 801
I29 47 ---	Seat audio jack: plugged.	23-34 TASK 801
I31 12 ---	Seat audio channel select: damaged.	23-34 TASK 801
I31 33 ---	Seat audio channel select: inoperative.	23-34 TASK 801
I34 33 ---	Airshow: inoperative.	23-32 TASK 806
L11 83 ---	Call light above passenger seat: does not turn off.	33-20 TASK 801
L11 84 ---	Call light above passenger seat: does not turn on.	33-20 TASK 801
L13 83 ---	Ceiling light, bin mounted: does not turn off.	33-20 TASK 801
L13 84 ---	Ceiling light, bin mounted: does not turn on.	33-20 TASK 801
L16 83 ---	Closet light: does not turn off.	33-20 TASK 801
L16 84 ---	Closet light: does not turn on.	33-20 TASK 801
L17 83 ---	Entry light: does not turn off.	33-20 TASK 801
L17 84 ---	Entry light: does not turn on.	33-20 TASK 801
L18 83 ---	Galley ceiling light: does not turn off.	33-20 TASK 801
L18 84 ---	Galley ceiling light: does not turn on.	33-20 TASK 801
L19 83 ---	Lavatory light: does not turn off.	33-20 TASK 801

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FAULT CODE	FAULT DESCRIPTION	GO TO FIM TASK
L19 84 ---	Lavatory light: does not turn on.	33-20 TASK 801
L20 83 ---	Galley work light: does not turn off.	33-20 TASK 801
L20 84 ---	Galley work light: does not turn on.	33-20 TASK 801
L21 83 ---	Night light: does not turn off.	33-20 TASK 801
L21 84 ---	Night light: does not turn on.	33-20 TASK 801
L23 83 ---	Reading light: does not turn off.	33-20 TASK 801
L23 84 ---	Reading light: does not turn on.	33-20 TASK 801
L25 83 ---	Window light: does not turn off.	33-20 TASK 801
L25 84 ---	Window light: does not turn on.	33-20 TASK 801
L30 83 ---	Ceiling light, recessed: does not turn off.	33-20 TASK 801
L30 84 ---	Ceiling light, recessed: does not turn on.	33-20 TASK 801
L31 83 ---	Attendant work light: does not turn off.	33-20 TASK 801
L31 84 ---	Attendant work light: does not turn on.	33-20 TASK 801
M11 17 ---	Carpet: dirty.	AIRLINE METHOD
M11 60 ---	Carpet: torn.	AIRLINE METHOD
M11 67 ---	Carpet: wet.	AIRLINE METHOD
M12 12 ---	Ceiling panel: damaged.	AIRLINE METHOD
M12 17 ---	Ceiling panel: dirty.	AIRLINE METHOD
M12 37 ---	Ceiling panel: loose.	AIRLINE METHOD
M12 39 ---	Ceiling panel: missing.	AIRLINE METHOD
M12 67 ---	Ceiling panel: wet.	38-10 TASK 804
M13 12 ---	Closet door: damaged.	AIRLINE METHOD
M13 27 ---	Closet door: hard to close.	AIRLINE METHOD
M13 28 ---	Closet door: hard to open.	AIRLINE METHOD
M13 35 ---	Closet door: latch or lock broken.	AIRLINE METHOD
M14 17 ---	Curtain: dirty.	AIRLINE METHOD
M14 39 ---	Curtain: missing.	AIRLINE METHOD
M14 60 ---	Curtain: torn.	AIRLINE METHOD

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FAULT CODE	FAULT DESCRIPTION	GO TO FIM TASK
M15 12 ---	Curtain tie backs: damaged.	AIRLINE METHOD
M15 17 ---	Curtain tie backs: dirty.	AIRLINE METHOD
M15 39 ---	Curtain tie backs: missing.	AIRLINE METHOD
M15 60 ---	Curtain tie backs: torn.	AIRLINE METHOD
M15 85 ---	Curtain tie backs: does not lock in place.	AIRLINE METHOD
M17 83 ---	Lavatory-occupied sign: does not turn off.	33-20 TASK 801
M17 84 ---	Lavatory-occupied sign: does not turn on.	33-20 TASK 801
M19 83 ---	No-smoking sign: does not turn off.	33-20 TASK 801
M19 84 ---	No-smoking sign: does not turn on.	33-20 TASK 801
M20 12 ---	Overhead stowage bin: damaged.	AIRLINE METHOD
M20 17 ---	Overhead stowage bin: dirty.	AIRLINE METHOD
M20 35 ---	Overhead stowage bin: latch or lock broken.	AIRLINE METHOD
M20 40 ---	Overhead stowage bin: needs adjustment.	25-24 TASK 801
M20 67 ---	Overhead stowage bin: wet.	AIRLINE METHOD
M20 71 ---	Overhead stowage bin: does not close/fasten.	25-24 TASK 801
M20 77 ---	Overhead stowage bin: does not open.	25-24 TASK 801
M22 33 ---	Area heater in door: inoperative.	21-45 TASK 801
M23 83 ---	Fasten-seat-belt sign: does not turn off.	33-20 TASK 801
M23 84 ---	Fasten-seat-belt sign: does not turn on.	33-20 TASK 801
M24 12 ---	Sidewall panel: damaged.	AIRLINE METHOD
M24 17 ---	Sidewall panel: dirty.	AIRLINE METHOD
M24 37 ---	Sidewall panel: loose.	AIRLINE METHOD
M28 35 ---	Compartment handle: latch or lock broken.	AIRLINE METHOD
M46 12 ---	Bump strip in cabin: damaged.	AIRLINE METHOD
M46 39 ---	Bump strip in cabin: missing.	AIRLINE METHOD
M47 66 ---	Floor in cabin: weak/spongy.	AIRLINE METHOD
M48 12 ---	Curtain rails/hooks: damaged.	AIRLINE METHOD
M48 39 ---	Curtain rails/hooks: missing.	AIRLINE METHOD

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FAULT CODE	FAULT DESCRIPTION	GO TO FIM TASK
M49 12 ---	Door entry mats: damaged.	AIRLINE METHOD
M49 17 ---	Door entry mats: dirty.	AIRLINE METHOD
M49 37 ---	Door entry mats: loose.	AIRLINE METHOD
M49 39 ---	Door entry mats: missing.	AIRLINE METHOD
M50 12 ---	Placard/decal in cabin: damaged.	AIRLINE METHOD
M50 32 ---	Placard/decal in cabin: incorrect.	AIRLINE METHOD
M50 39 ---	Placard/decal in cabin: missing.	AIRLINE METHOD
M54 99 ---	Rodent: detected on airplane.	AIRLINE METHOD
M55 99 ---	Insects: detected on airplane.	AIRLINE METHOD
M59 12 ---	Stowage compartment door: damaged.	AIRLINE METHOD
M59 27 ---	Stowage compartment door: hard to close.	AIRLINE METHOD
M59 28 ---	Stowage compartment door: hard to open.	AIRLINE METHOD
M59 35 ---	Stowage compartment door: latch or lock broken.	AIRLINE METHOD
M60 38 ---	Potable water indicator: low pressure/quantity.	38-10 TASK 812
M62 14 ---	Emergency exit door area: too cold.	21-45 TASK 802
M63 93 ---	CLEAN/CHECK SENSORS light on the attendant's panel: light comes on.	38-30 TASK 802
M64 93 ---	LAVS INOP light on the attendant's panel: light comes on.	38-30 TASK 802
S11 12 ---	Seat armrest: damaged.	AIRLINE METHOD
S11 40 ---	Seat armrest: needs adjustment.	AIRLINE METHOD
S11 73 ---	Seat armrest: does not extend/lower.	AIRLINE METHOD
S12 12 ---	Seat ashtray: damaged.	AIRLINE METHOD
S12 39 ---	Seat ashtray: missing.	AIRLINE METHOD
S12 40 ---	Seat ashtray: needs adjustment.	AIRLINE METHOD
S12 71 ---	Seat ashtray: does not close/fasten.	AIRLINE METHOD
S12 77 ---	Seat ashtray: does not open.	AIRLINE METHOD
S13 12 ---	Seat footrest: damaged.	AIRLINE METHOD
S13 17 ---	Seat footrest: dirty.	AIRLINE METHOD

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FAULT CODE	FAULT DESCRIPTION	GO TO FIM TASK
S13 29 ---	Seat footrest: hard to operate.	AIRLINE METHOD
S13 33 ---	Seat footrest: inoperative.	AIRLINE METHOD
S13 60 ---	Seat footrest: torn.	AIRLINE METHOD
S13 67 ---	Seat footrest: wet.	AIRLINE METHOD
S14 12 ---	Seat headrest: damaged.	AIRLINE METHOD
S14 17 ---	Seat headrest: dirty.	AIRLINE METHOD
S14 29 ---	Seat headrest: hard to operate.	AIRLINE METHOD
S14 33 ---	Seat headrest: inoperative.	AIRLINE METHOD
S14 37 ---	Seat headrest: loose.	AIRLINE METHOD
S14 60 ---	Seat headrest: torn.	AIRLINE METHOD
S14 67 ---	Seat headrest: wet.	AIRLINE METHOD
S15 12 ---	Flight attendant seat: damaged.	AIRLINE METHOD
S15 17 ---	Flight attendant seat: dirty.	AIRLINE METHOD
S15 29 ---	Flight attendant seat: hard to operate.	AIRLINE METHOD
S15 37 ---	Flight attendant seat: loose.	AIRLINE METHOD
S15 60 ---	Flight attendant seat: torn.	AIRLINE METHOD
S15 67 ---	Flight attendant seat: wet.	AIRLINE METHOD
S15 71 ---	Flight attendant seat: does not close/fasten.	AIRLINE METHOD
S15 77 ---	Flight attendant seat: does not open.	AIRLINE METHOD
S16 12 ---	Flight attendant seat harness: damaged.	AIRLINE METHOD
S16 29 ---	Flight attendant seat harness: hard to operate.	AIRLINE METHOD
S16 40 ---	Flight attendant seat harness: needs adjustment.	AIRLINE METHOD
S19 12 ---	Seat safety card: damaged.	AIRLINE METHOD
S19 32 ---	Seat safety card: incorrect.	AIRLINE METHOD
S19 39 ---	Seat safety card: missing.	AIRLINE METHOD
S20 12 ---	Seat aisle trim: damaged.	AIRLINE METHOD
S20 37 ---	Seat aisle trim: loose.	AIRLINE METHOD
S21 37 ---	Seat assembly: loose.	AIRLINE METHOD

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FAULT CODE	FAULT DESCRIPTION	GO TO FIM TASK
S22 12 ---	Seat back: damaged.	25-22 TASK 801
S22 17 ---	Seat back: dirty.	AIRLINE METHOD
S22 37 ---	Seat back: loose.	AIRLINE METHOD
S22 60 ---	Seat back: torn.	AIRLINE METHOD
S22 67 ---	Seat back: wet.	AIRLINE METHOD
S22 78 ---	Seat back: does not recline.	25-22 TASK 801
S22 81 ---	Seat back: does not stay upright.	25-22 TASK 801
S23 12 ---	Seat back pocket: damaged.	AIRLINE METHOD
S23 17 ---	Seat back pocket: dirty.	AIRLINE METHOD
S23 60 ---	Seat back pocket: torn.	AIRLINE METHOD
S23 67 ---	Seat back pocket: wet.	AIRLINE METHOD
S24 12 ---	Seat belt: damaged.	AIRLINE METHOD
S24 17 ---	Seat belt: dirty.	AIRLINE METHOD
S24 33 ---	Seat belt: inoperative.	AIRLINE METHOD
S24 39 ---	Seat belt: missing.	AIRLINE METHOD
S25 17 ---	Seat bottom cushion: dirty.	AIRLINE METHOD
S25 54 ---	Seat bottom cushion: smells bad.	AIRLINE METHOD
S25 57 ---	Seat bottom cushion: stained.	AIRLINE METHOD
S25 60 ---	Seat bottom cushion: torn.	AIRLINE METHOD
S25 67 ---	Seat bottom cushion: wet.	AIRLINE METHOD
S26 12 ---	Seat track insert: damaged.	AIRLINE METHOD
S26 37 ---	Seat track insert: loose.	AIRLINE METHOD
S26 39 ---	Seat track insert: missing.	AIRLINE METHOD
S27 12 ---	Seat tray table: damaged.	AIRLINE METHOD
S27 17 ---	Seat tray table: dirty.	AIRLINE METHOD
S27 35 ---	Seat tray table: latch or lock broken.	AIRLINE METHOD
S27 40 ---	Seat tray table: needs adjustment.	AIRLINE METHOD
S27 82 ---	Seat tray table: does not stow.	AIRLINE METHOD

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FAULT ISOLATION MANUAL

FAULT CODE	FAULT DESCRIPTION	GO TO FIM TASK
S29 12 ---	Seat legrest: damaged.	AIRLINE METHOD
S29 17 ---	Seat legrest: dirty.	AIRLINE METHOD
S29 29 ---	Seat legrest: hard to operate.	AIRLINE METHOD
S29 33 ---	Seat legrest: inoperative.	AIRLINE METHOD
S29 60 ---	Seat legrest: torn.	AIRLINE METHOD
S29 67 ---	Seat legrest: wet.	AIRLINE METHOD
S29 82 ---	Seat legrest: does not stow.	AIRLINE METHOD
S34 37 ---	Passenger service unit panel: loose.	25-23 TASK 801
S34 71 ---	Passenger service unit panel: does not close/fasten.	25-23 TASK 801
S35 33 ---	Passenger service unit air outlet: inoperative.	25-23 TASK 801
T12 12 ---	Countertop in lavatory: damaged.	AIRLINE METHOD
T12 17 ---	Countertop in lavatory: dirty.	AIRLINE METHOD
T13 12 ---	Door to lavatory: damaged.	AIRLINE METHOD
T13 35 ---	Door to lavatory: latch or lock broken.	AIRLINE METHOD
T13 71 ---	Door to lavatory: does not close/fasten.	AIRLINE METHOD
T13 77 ---	Door to lavatory: does not open.	AIRLINE METHOD
T14 12 ---	Faucet in lavatory: damaged.	AIRLINE METHOD
T14 36 ---	Faucet in lavatory: leaking.	38-10 TASK 812
T14 38 ---	Faucet in lavatory: low pressure/quantity.	38-10 TASK 806
T14 43 ---	Faucet in lavatory: no water.	38-10 TASK 806
T14 46 ---	Faucet in lavatory: overheats.	38-10 TASK 808
T14 83 ---	Faucet in lavatory: does not turn off.	38-10 TASK 807
T14 84 ---	Faucet in lavatory: does not turn on.	38-10 TASK 806
T14 86 ---	Faucet in lavatory: high pressure.	38-10 TASK 809
T14 87 ---	Faucet in lavatory: no hot water.	38-10 TASK 811
T15 12 ---	Grab handle in lavatory: damaged.	AIRLINE METHOD
T15 17 ---	Grab handle in lavatory: dirty.	AIRLINE METHOD
T16 12 ---	Mirror in lavatory: damaged.	AIRLINE METHOD

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FAULT CODE	FAULT DESCRIPTION	GO TO FIM TASK
T16 17 ---	Mirror in lavatory: dirty.	AIRLINE METHOD
T16 37 ---	Mirror in lavatory: loose.	AIRLINE METHOD
T18 83 ---	Return-to-seat sign in lavatory: does not turn off.	33-20 TASK 801
T18 84 ---	Return-to-seat sign in lavatory: does not turn on.	33-20 TASK 801
T20 33 ---	Sink drain stopper in lavatory: inoperative.	38-30 TASK 818
T21 12 ---	Smoke detector: damaged.	AIRLINE METHOD
T21 19 ---	Smoke detector: disconnected.	AIRLINE METHOD
T21 33 ---	Smoke detector: inoperative.	AIRLINE METHOD
T21 37 ---	Smoke detector: loose.	AIRLINE METHOD
T21 39 ---	Smoke detector: missing.	AIRLINE METHOD
T21 83 ---	Smoke detector: does not turn off.	26-14 TASK 801
T22 12 ---	Soap dispenser: damaged.	AIRLINE METHOD
T22 22 ---	Soap dispenser: empty.	AIRLINE METHOD
T22 29 ---	Soap dispenser: hard to operate.	AIRLINE METHOD
T22 33 ---	Soap dispenser: inoperative.	AIRLINE METHOD
T22 36 ---	Soap dispenser: leaking.	AIRLINE METHOD
T23 12 ---	Toilet bowl: damaged.	AIRLINE METHOD
T23 17 ---	Toilet bowl: dirty.	AIRLINE METHOD
T23 44 ---	Toilet bowl: overflows.	38-30 TASK 814
T23 47 ---	Toilet bowl: plugged.	38-30 TASK 815
T23 54 ---	Toilet bowl: smells bad.	AIRLINE METHOD
T24 12 ---	Toilet flush button: damaged.	AIRLINE METHOD
T24 17 ---	Toilet flush button: dirty.	AIRLINE METHOD
T25 47 ---	Toilet flush system: plugged.	38-30 TASK 817
T25 74 ---	Toilet flush system: does not flush.	38-30 TASK 811
T25 83 ---	Toilet flush system: does not turn off.	38-30 TASK 816
T26 12 ---	Toilet seat: damaged.	AIRLINE METHOD
T26 17 ---	Toilet seat: dirty.	AIRLINE METHOD

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FAULT CODE	FAULT DESCRIPTION	GO TO FIM TASK
T26 39 ---	Toilet seat: missing.	AIRLINE METHOD
T27 12 ---	Toilet seat lid: damaged.	AIRLINE METHOD
T27 17 ---	Toilet seat lid: dirty.	AIRLINE METHOD
T27 39 ---	Toilet seat lid: missing.	AIRLINE METHOD
T28 12 ---	Waste chute door in lavatory: damaged.	AIRLINE METHOD
T28 40 ---	Waste chute door in lavatory: needs adjustment.	25-40 TASK 801
T28 47 ---	Waste chute door in lavatory: plugged.	AIRLINE METHOD
T31 17 ---	Floor in lavatory: dirty.	AIRLINE METHOD
T32 17 ---	Sink in lavatory: dirty.	AIRLINE METHOD
T32 47 ---	Sink in lavatory: plugged.	38-30 TASK 819
T39 12 ---	Toilet roll holder: damaged.	AIRLINE METHOD
T39 39 ---	Toilet roll holder: missing.	AIRLINE METHOD
T41 49 ---	Water supply in lavatory: poor quality.	38-10 TASK 810
T41 54 ---	Water supply in lavatory: smells bad.	38-10 TASK 810

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