STA	ATION							BOE	ING CARD NO.
TAIL NO.			(X	BAEIN			31–R	.01
	DATE		SAS X		767			AIRI	LINE CARD NO.
, v					TASK CARD				
SKILL	WORK ARE	EA RI	ELATED TASK		INTERVAL		PHASE	MPD REV	TASK CARD REVISION
AVION	MAIN EE	CTR	TITLE			STRUCTURAL ILLUSTRATION	I REFERENCE	007 AF	APR 22/08
REPLA	CE	EICAS COM	IPUTER					AIRPLAN	IE ENGINE
	ZONES					ACCESS PANELS		NOT	<u>E ALL</u>
119			119AL						
MECH INSP								P	MPD ITEM NUMBER
		• THE ETCA						31_/	1_02_/B
	KEPLAC	E THE EICA	IS COMPUTER	-				51-4	1-02-40
	AIRPLA	NE NOTE:	THIS TASK MODELS EXC	IS AP EPT T	PLICABLE TO AL HE 767-400ER.	L AIRPLANE			
	тите				ATNTENANCE TAG				
	COMPO	NENT CHANG	GE CARD AND		S PROVIDED FOR	OPERATOR			
		NIENCE DUR	ING UNSCHE		MAINTENANCE A	CTIVITIES. SEE			
	DOCUM	IENT,D622TO	001, FOR A	DESCR	IPTION OF THE	COMPONENT			
	CHANG	E CARDS.							
	1. <u>EIC</u>	AS Compute	er Removal						
	Α.	Reference	es						
		(1) AMM	20-10-01/4	01, E	/E Rack Mounte	d Components			
		(2) AMM	20-41-01/2	201, E	lectrostatic D	ischarge Sensi	tive Devi	ces	
	В.	Access							
		(1) Loca	ation Zones	;					
			119/120 211/212	Main Elia	Equipment Cer	ter			
			211/212	itig					
	C. Prepare for Removal								
	(1) Open these circuit breakers on the overhead circuit breaker panel, P11, and attach DO-NOT-CLOSE tags:								
	(a) 11J2, EICAS CMPTR L								
		(b)	11J29, EI	CAS C	MPTR R				
EFFEAT	•								
					REPLACE	EICAS COMPUTE	२		
					31-41-02-4B	31-R01	PAGE 1	0F 5	APR 22/01





AIRLINE CARD NO.

31-R01

						TASK CARD				
MECH	INSP	_								
				<u>CAUTION</u> :	DO NOT TOUCH T FOR DEVICES TH (AMM 20-41-01/ TO THE EICAS C	HE EICAS COMPU AT ARE SENSITI 201). ELECTRO OMPUTERS.	TERS BEFORE Y VE TO ELECTRO STATIC DISCHA	OU DO THE STATIC DIS RGE CAN CA	PROCEDUI SCHARGE AUSE DAM	RE AGE
				(2) Do t disc	he procedure fo harge (AMM 20-4	r devices that 1–01/201).	are sensitiv	e to elect	trostati	с
				(3) Remo	ove the EICAS co	mputer (AMM 20	-10-01/401).			
		2.	EICAS Computer Installation							
			Α.	Reference	es					
				(1) AMM	20-10-01/401, E	/E Rack Mounte	d Components			
				(2) AMM	20-41-01/201, E	lectrostatic D	ischarge Sens	itive Devi	ices	
				(3) AMM	31-41-00/201, E	ICAS				
				(4) AMM 31-41-02/201, EICAS Computer - Maintenance Practices						
			Β.	Prepare for Installation						
				(1) Make	e sure that thes	e P11 panel ci	rcuit breaker	s are oper	ר :	
				(a)	11J2, EICAS CM	PTR L				
				(b)	11J29, EICAS C	MPTR R				
				<u>CAUTION</u> :	DO NOT TOUCH T FOR DEVICES TH (AMM 20-41-01/ TO THE EICAS C	HE EICAS COMPU AT ARE SENSITI 201). ELECTRO OMPUTERS.	TERS BEFORE Y VE TO ELECTRO STATIC DISCHA	OU DO THE STATIC DIS RGE CAN CA	PROCEDUI Scharge Ause Dam	RE AGE
				(2) Do t disc	(2) Do the procedure for devices that are sensitive to electrostatic discharge (AMM 20-41-01/201).					
			C.	Procedure	9					
				(1) Examine the unit and rack connectors for unwanted materials and loose or damaged pins.						
FFF	ЕСТТ	U VIT	Y -							
	_ • • •		-				EILAS COMPUT	EK		
1						31-41-02-4B	31-R01	PAGE 2	OF 5 AI	PR 22/08

	A BOEING
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	TASK CARD

AIRLINE CARD NO.

31-R01

			TASK CARD					
MECH	INSP							
			(2) Supply electrical power (AMM 24-22-00/201).					
			(3) Make sure that these P11 panel circuit breakers are closed:					
			(a) 11J2, EICAS CMPTR L					
			(b) 11J29, EICAS CMPTR R					
			(4) Make sure these conditions exist before you verify the software configuration:					
			(a) The airplane is on the ground,					
			(b) The engines are off and,					
			(c) The parking brake is set.					
			(5) Do these steps to make sure that the correct software is installed:					
		<u>NOTE</u> : Make sure you know the correct software part number for the EICAS computer you will check. For the EICAS computer to be an approved installation, the correct software must be checked.						
			(a) Press the CONF/MCDP switch on the EICAS MAINT panel (P61).					
			(b) If the correct OPS software does not show, install the correct OPS (AMM 31-41-02/201).					
			(6) Do the AUTO EVENT, MAN EVENT, and ENG EXCD Erase Procedures (AMM 31-41-00/201).					
			(7) Do the EICAS Computer Test procedure.					
		3. <u>EIC</u>	A <u>S Computer Test</u>					
		Α.	References					
			(1) AMM 24-22-00/201, Electrical Power - Control					
		в.	Access					
			(1) Location Zones 119/120 Main Equipment Center 211/212 Flight Compartment					
EFF	ECTI	/ITY -	REPLACE EICAS COMPUTER					
			31-41-02-4B 31-R01 PAGE 3 OF 5 APR 22/08					

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AIRLINE CARD NO.

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	TASK CARD

			TASK CARD						
MECH	INSP								
		с.	Procedure						
			(1) Supply electrical power (AMM 24-22-00/201).						
			(2) Make sure that the EICAS circuit breakers that follow are closed:						
			(a) 11J2, EICAS CMPTR LEFT						
			(b) 11J3, EICAS UPPER DSPL						
			(c) 11J29, EICAS CMPTR RIGHT						
			(d) 11J30, EICAS LOWER DSPL						
			(e) 11J31, EICAS DSPL SW						
			(f) 11J32, EICAS DSPL SELECT						
			(3) Turn the COMPUTER switch on the EICAS DISPLAY select panel to the L or R position as applicable.						
			(4) Make sure that the top display shows the engine primary page and the bottom display shows the engine secondary page.						
			(5) Make sure that the parking brake is engaged.						
			(6) Push and release the TEST switch on the EICAS MAINT panel, P61.						
			(7) Make sure that the TEST page shows on both displays.						
			(8) Continue after the message TEST IN PROGRESS goes out of view.						
			(9) If the message X INTERNAL FAULTS shows, do the EICAS BITE procedure (FIM 31-41-00/101).						
		(10) Make sure that the EICAS program pin codes that follow show for the left (right) computer as applicable:							
			(a) SAS 050-051,150-157,162-167,275-278,280-281; 5A20 (5221)						
			(11) Turn the COMPUTER switch on the EICAS DISPLAY select-panel to the other computer.						
EFF	ECTIVIT	Y -	REPLACE EICAS COMPUTER						
			31-41-02-4B 31-R01 PAGE 4 OF 5 APR 22/08						

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AIRLINE CARD NO.

					TASK CARD						
MECH	INSP	-									
			(12)	Make sure that the correct.	EICAS program	pin code for t	he other	computer	is		
			<u>NOTE</u> : The codes for both computers are given before this step.								
			(13)	Make sure the the C	MPTR FAIL mess	ages do not sh	OW.				
			(14)	Push and release th	e left master	CAUTION switch	/light.				
			(15)	Push and release th	e TEST switch	to go out of t	he TEST m	ode.			
		D.	Put	the Airplane Back to	Its Usual Con	dition					
			(1)	Remove electrical p	ower if it is	not necessary	(AMM 24-2	2-00/201)	-		
EFF	ECTI	VITY					D				
	_				TTLAUE	Z1_DO1			22/02		
					51-41-02-4B		FAGE D	VF 5 AUG	22/02		

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STA	ATION								BOE	EING CARD NO.
TAI	IL NO.			(\mathcal{T}	BOEIN	G		31–0	01-01
			SA	S X	\mathcal{O}^{\perp}		_		AIR	LINE CARD NO.
						TASK CARD				
SKILL	WORK AR	EA	RELATE	D TASK		INTERVAL		PHASE	MPD REV	TASK CARD REVISION
AVION	PASS CA	BIN				1C		11212	014	AUG 22/08
TAS	sk			TITLE			STRUCTURAL ILLUSTRAT	ION REFERENCE	AF AIRPLAN	PPLICABILITY NE ENGINE
OPERA	ATIONAL	FLIG	HI DAIA	RECORDE	R PAR	AMETERS				ALI
	ZONES						ACCESS PANELS			
253			N	NOTE						
MECH INSP	D									MPD ITEM NOMBER
	VERIFY	ТНАТ	ALL REG	QUIRED A	AIRCRA	FT PARAMETERS	ARE		31-3	1-01-2A
	RECORD	ED PR	OPERLY C	ON THE F	LIGHT	DATA RECORDE	R BY USING A			
	COPY R	ECORD	ER TO CO	OPY THE	FDR D	ATA.				
	NOTE:	OPTI	ONAL MPD	D ITEM 3	31-31-	01-4A CAN BE U	JSED TO REMOVE			
		AND	INSTALL	THE FLI	IGHT D	ATA RECORDER	IF A COPY			
		RECO	RDER IS	NOT AVA	AILABL	Ε.				
	ACCESS	NOTE	: ACCESS	S THROUG	GH OPE	N LOWERED CEII	ING PANEL AT			
			STA 15	550.						
	THE FO	LLOWI	NG PROCE	EDURES A	APPLY	TO THE ON-AIR	RAFT PORTION	OF THIS		
	TASK (COPY)	•							
	1 Con	onal								
	Α.	Use reco	the appl rder (FD	licable DR) data	copy a.	recorder to ma	ake a copy of	the flight	data	I
	В.	The	FDR is i	installe	ed in	the voice and	flight record	ler rack, E	7.	
	2. <u>A C</u>	ору о	of the Da	<u>ata from</u>	<u>n the</u>	FDR with the l	<u> Iniversal Copy</u>	Recorder		
	Α.	Gene	ral							
	(1) The copy recorder makes a copy of the data from the Sundstrand tape based FDR without the removal of the FDR from the airplane. Approximately 30 minutes is necessary to make a copy of the data from the FDR.									
	(2) The copy recorder is connected to the ATE connector on the front panel of the FDR.									
	В.	Eaui	pment							
		-991								
	I									
EFFECT	ΓΙVΙΤΥ -						FLIGHT DATA	RECORDER P		TERS
									,,	
						31-31-01-2A	31-001-01	PAGE 1	0F 8	AUG 22/08

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AIRLINE CARD NO.

			TASK CARD
MECH	INSP		
			 UFDR Copy Recorder - Sundstrand 981-6024-002 Sundstrand Aviation Division, P.O. Box 7002, 4747 Harrison Ave., Rockford, IL 61101
			(2) Magnetic Tape
		С.	References
			(1) AMM 24-22-00/201, Electrical Power - Control
			(2) AMM 25-22-02/401, Lower Ceiling Panel
		D.	Access
			<pre>(1) Location Zone</pre>
		E.	Procedure
			(1) Supply electrical power (AMM 24-22-00/201).
			(2) Open these circuit breakers and attach DO-NOT-CLOSE tags:
			(a) On the overhead equipment panel, P11:
			1) 11J7, FLIGHT RECORDER AC
			2) 11J8, FLIGHT RECORDER DC
			(3) Set the ON-NORM-TEST switch on the flight recorder control panel (FRCP) to the NORM position.
			(4) At the aft galley, open the ceiling panel No. 1 to get access to the FDR (AMM 25-22-02/401).
			(5) Connect the copy recorder to the front connector of the FDR with the cable supplied with the copy recorder.
			(6) Set the tape speed switch to 6 IPS.
			(7) Remove the DO-NOT-CLOSE tags and close these circuit breakers:
			(a) On the P11 panel:
			1) 11J7, FLIGHT RECORDER AC
EF	FECTIVI	тү -	OPERATIONAL FLIGHT DATA RECORDER PARAMETERS
			31-31-01-2A 31-001-01 PAGE 2 OF 8 DEC 22/00

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	TASK CARD

AIRLINE CARD NO.

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MECH	INSP								
			2) 11J8, FLIGHT RECORDER DC						
		(8)	Set the ON-NORM-TEST switch on the FRCP to the ON position.						
			(a) Make sure the POWER LOSS light flashes.						
		(9)	Push the STOP switch to remove the POWER LOSS light.						
			(a) Make sure the READY light comes on and the copy recorder is set to 6 IPS.						
			<u>NOTE</u> : If the COPY ABORTED light comes on when the power is supplied to the copy recorder, ignored the light.						
		(10)	Install a full reel of tape on the left hub.						
		(11)	Install an empty reel on the right hub.						
		(12)	Put the tape along the path (Fig. 201).						
		(13)	Wind the Tape 3 to 5 turns on the right reel.						
		(14) Set the counter to zero.							
		(15)	Turn the right reel counterclockwise until the counter shows 0003.						
		(16) Set the counter to zero.(17) Push the COPY switch one time.							
			<u>NOTE</u> : Do not push the COPY switch again or the FDR will not find its initial position.						
		(18)	Make sure the steps occur as follows:						
			(a) The light sequence is PRE COPY, COPY, POST COPY and DONE.						
		(b) The UFDR NOT AT TONE light will go off approximately 12 second before the DONE light comes on.							
		(c) The UFDR BITE, COPY REC BIT, POWER LOSS, and COPY ABORTED lights must stay off during the copy procedure.							
			(d) The copy recorder tape will go forward for approximately 1 minute after the POST COPY light turns on.						
EFF	ECTIVITY		OPERATIONAL FLIGHT DATA RECORDER PARAMETERS						
			31-31-01-2A 31-001-01 PAGE 3 OF 8 AUG 22/05						
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	TASK CARD

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MECH	INSP	-			
					(e) When the copy procedure is completed, only the DONE light will stay on.
				(19)	Push the STOP switch.
				(20)	At the same time, push the MAN CNTRLS switch and the REWIND switch.
				(21)	Set the ON-NORM-TEST switch on the FRCP to the NORM position.
				(22)	Disconnect the copy recorder from the FDR.
				(23)	Put the connector cover on the front of the FDR.
		3.	<u>Mak</u>	<u>e a C</u>	<u>opy of the Flight Data with a Sundstrand Hand Held Download Unit</u>
			Α.	Gene	ral
				(1)	This task uses a hand held download unit (HHDLU) to make a copy of the flight data from a flight data recorder that records on solid state.
				(2)	You can use the HHDLU to make a copy of the flight data without the removal of the solid state flight data recorder (FDR) from the airplane. A different procedure to access the flight data is to remove the FDR from the airplane (AMM 31–31–01/401). The data is then removed from the FDR.
				(3)	The ATE connector is on the front of the FDR.
			в.	Equi	pment
				(1)	964-0446-001 Hand Held Download Unit (HHDLU) 27914 Allied-Signal Inc., DBA Allied-Signal Aerospace 2100 NW 62ND ST, Fort Lauderdale, FL 33309
			с.	Refe	rences
				(1)	AMM 24-22-00/201, Electrical Power - Control
				(2)	AMM 25-22-02/401, Lower Ceiling Panel
			D.	Acce	SS
EFF	ECTI	VITY	· •		OPERATIONAL FLIGHT DATA RECORDER PARAMETERS
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	TASK CARD

AIRLINE CARD NO.

MECH	INSP			
				(1) Location Zone 253 Area Above Passenger Cable Ceiling, LH
			E.	Prepare to Make a Copy of the Flight Data from the FDR
				(1) Supply electrical power (AMM 24-22-00/201).
				(2) Open these circuit breakers and attach DO-NOT-CLOSE tags:
				(a) On the overhead equipment panel, P11:
				1) 11J7, FLIGHT RECORDER AC
				2) 11J8, FLIGHT RECORDER DC
				(3) To get access to the FDR, open the lower ceiling panel No. 1 above the aft galley (AMM 25-22-02/401).
				(4) Connect the connector of the HHDLU cable to the FDR ATE connector.
				(5) Install the removable media into the HHDLU.
				(6) Remove the DO-NOT-CLOSE tags and close these circuit breakers:
				(a) On the P11 panel:
				1) 11J7, FLIGHT RECORDER AC
				2) 11J8, FLIGHT RECORDER DC
				(7) At the P61 panel, set the ON-NORM-TEST switch on the flight recorder control panel (FRCP) to the ON position.
				(8) Set the power switch, adjacent to the HHDLU's RS-422 port.
				<u>NOTE</u> : Approximately 30 seconds after the power is supplied to the HHDLU, the main menu is shows on the HHDLU.
				(a) Make sure the HHDLU display shows DNLD in the main menu.
			F.	Procedure
				(1) Push the DNLD key.
EFF	ECTI	VITY	_	OPERATIONAL FLIGHT DATA RECORDER PARAMETERS
				31-31-01-2A 31-001-01 PAGE 5 OF 8 AUG 22/00

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AIRLINE CARD NO.

						FASK CARD				
MECH	INSP									
			(a)	Make su	re the DOW	NLOAD MENU	shows on the	display.		
				<u>NOTE</u> :	The maximu make a cop already ex change the found. To FILE key.	m quantity y of is 27. ists on the filename u change the	of flight dat 2 hrs. If th removable me ntil a filena time or file	a the HHDL e file DOW dia, the H me that is name, push	U can NLOADO1.DLU HDLU will not used is the TIME or	s
		(2) Push	the GO	key.					
			(a)	If the	HHDLU disp	lay shows D	ISK FULL, do	these step	s:	
				1) Pus	h a key.					
				a)	Make sure	the DELETE	FILE menu sh	ows on the	display.	
				2) Use	the NEXT	or PREV key	to move up a	nd down th	e filenames.	-
				a)	Make sure	the CONFIR	M DELETE menu	shows on	the display	
				3) Pus	h the YES	key to eras	e the file.			
				4) Era cop	se files u y of the f	ntil suffic light data.	ient memory i	s availabl	e to make a	
				<u>N01</u>	<u>E</u> : After the H⊦ start	each file i DLU has suf to make a c	s erased, the ficient memory opy.	HHDLU mak y, the HHD	es sure LU will	
				5) Mak	e sure the	HHDLU disp	lay shows REC	BLKS and	XFER BLKS.	
	NOTE: REG mov nur The the				<u>E</u> : REC BL move t number The RE the co	KS is the n o the remov of blocks C BLKS and py procedur	umber of bloc able media. the HHDLU wil XFER BLKS fie e.	ks the HHD XFER BLKS l move fro lds will c	LU will is the m the FDR. hange during	9
	(b) After the copy main menu.					ocedure is	completed, pu	sh the key	to show	
		G. P	ut the A	irplane	to Its Usu	al Conditio	n			
		(1) Remov	ve the m	edia from	the HHDLU.				
	CU11	VIII			OF	ERATIONAL	FLIGHT DATA	RECORDER P	ARAMETERS	
					3	1-31-01-2A	31-001-01	PAGE 6	OF 8 DEC 22	2/02

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AIRLINE CARD NO.

MECH	INSP		
		(2) At the P61 panel, set the FRCP to the NORM position.	
		(3) Disconnect the interface cable from the FDR.	
		(4) Put the cover on the FDR ATE connector.	
		(5) Remove electrical power if it is not necessary (AMM 24-22-00/201).	
F C C	 :FCTT		
		OPERATIONAL FLIGHT DATA RECORDER PARAMETERS	• / 6 -
		31-31-01-2A 31-001-01 PAGE 7 OF 8 DEC 2	2/99



STA	TION								BOE	ING CARD NO.		
TAIL NO.		A BOEING								31-001-06		
D	ATE		S	AS	e la	767			AIRI	INE CARD NO.		
			1			TASK CARD		1				
SKILL	WORK ARE	A	REL	ATED TASK		INTERVAL		PHASE	MPD REV	REVISION		
ELECT TAS	PASS CA	BIN	W-31-	001-01	TLE	10	STRUCTURAL ILLUSTRATION RE	EFERENCE	011 AF	AUG 22/08		
OPERA	TIONAL	FLIG	GHT DAT	A RECOR	DER PAR	RAMETERS			AIRPLAN	E ENGINE		
	ZONES						ACCESS PANELS		ALL	ALL		
253				NOTE								
MECH INSP									•	1PD ITEM NUMBER		
	VERTEY	(OFF		ΔΕΤ) ΔΙ		IRED AIRCRAFT F	ARAMETERS ARE		31-3	1–01–44		
	RECORD THE RE	ED PR CORDE	ROPERLY	ON THE	FLIGH	T DATA RECORDER	BY REMOVING		51 5			
	NOTE:	OPTI COPY	ONALLY	, MPD I DFR IS	TEM 31- USED TO	-31-01-2A CAN E	E USED IF A					
	ACCESS	NOTE		FSS THD		DEN LOWERED CET						
	ACCESS	NOTE	STA	1640 .		- LN LOWERED CEI	LING FANLE AT					
	THE FO PORTIO	LLOWI N OF	NG PRO THIS T	CEDURES ASK (RE	APPLY MOVAL/I	TO THE ON-AIRC INSTALLATION):	RAFT					
	1. <u>Gen</u>	<u>eral</u>										
	Α.	This	s subje	ct has	these 1	tasks:						
		(1)	A rem	oval of	the f	light data reco	order (FDR).					
	2. <u>Fli</u>	<u>ght D</u>	<u>ata Re</u>	corder	Remova	<u>l</u> (Fig. 401)						
	Α.	Refe	erences									
		(1)	AMM 2	0–10–01	/401 , E	E/E Rack Mounte	ed Components					
		(2)	AMM 2	5-22-02	/401 , l	Lowered Ceiling) Panels					
	В.	Acce	ess									
		(1)	Locat 253	ion Zon Ar	e ea abov	ve passenger ca	bin ceiling (Lef	t)				
	с.	Proc	edure									
	(1) Open these circuit breakers and attach DO-NOT-CLOSE tags:											
	· · · · / · · · · · · · · · · · · · · ·					-						
EFFEUI	TATII					OPERATIONAL	FLIGHT DATA REC	ORDER F	PARAME	TERS		
						31-31-01-4A	31-001-06 P	AGE 1	0F 5	AUG 22/08		
			BOEING PR	OPRIETARY -	Copyright	(Ĉ) – Unpublished Work –	See title page for details	•				

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	TASK CARD

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MECH	INSP			
				(a) On the overhead equipment panel, P11:
				1) 11J7, FLIGHT RECORDER AC
				2) 11J8, FLIGHT RECORDER DC
				2) To get access to the FDR, open the lower ceiling panel No. 1 above the aft galley (AMM 25-22-02/401).
				<u>AUTION</u> : DO NOT TOUCH THE CONNECTOR PINS OR OTHER CONDUCTORS ON THE FLIGHT DATA RECORDER. IF YOU TOUCH THESE CONDUCTORS, ELECTROSTATIC DISCHARGE CAN CAUSE DAMAGE TO THE FLIGHT DATA RECORDER.
				3) To remove the FDR, do this task: E/E Box Removal (AMM 20-10-01/401).
				<u>NOTE</u> : If the replacement flight recorder does not have an underwater locator beacon (ULB) installed, do this task: Underwater Locator Beacon Removal (AMM 31–31–02/201).
		3 . I	li	nt Data Recorder (FDR) Installation (Fig. 401)
			۹.	References
				(1) AMM 20-10-01/401, E/E Rack Mounted Components
				2) AMM 24-22-00/201, Electrical Power Control
				(3) AMM 25-22-02/401, Lower Ceiling Panel
		E	3.	Access
				(1) Location Zone 253 Area above passenger cabin ceiling – section 46 (Left)
		(C.	rocedure
				(1) Make sure these circuit breakers are open:
				(a) On the overhead equipment panel, P11:
				1) 11J7, FLIGHT RECORDER AC
EFF	ECTI	VITY	-	OPERATIONAL FLIGHT DATA RECORDER PARAMETERS
				31-31-01-4A 31-001-06 PAGE 2 OF 5 DEC 22/02

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AIRLINE CARD NO.

				TASK CARD
	MECH	INSP		
				2) 11J8, FLIGHT RECORDER DC
				<u>CAUTION</u> : DO NOT TOUCH THE CONNECTOR PINS OR OTHER CONDUCTORS ON THE FLIGHT DATA RECORDER. IF YOU TOUCH THESE CONDUCTORS, ELECTROSTATIC DISCHARGE CAN CAUSE DAMAGE TO THE FLIGHT DATA RECORDER.
				(2) To install the FDR, do this task: E/E Box Installation (AMM 20-10-01/401).
				<u>NOTE</u> : If the flight recorder does not have an underwater locator beacon (ULB) installed, do this task: "Underwater Locator Beacon Removal" (AMM 31–31–02/201).
				(3) Remove the DO-NOT-CLOSE tags and close these circuit breakers:
				(a) On the P11 panel:
				1) 11J7, FLIGHT RECORDER AC
				2) 11J8, FLIGHT RECORDER DC
				(4) Close the lower ceiling panel No. 1 (AMM 25-22-02/401).
			D.	Installation Test
				(1) Supply electrical power (AMM 24-22-00/201).
				(2) On the flight recorder control panel (FRCP), do the steps that follow:
				(a) Set the ON-NORM-TEST switch on the FRCP to the ON position.
				1) Make sure the OFF light on the FRCP goes off.
				(b) Set the ON-NORM-TEST switch on the FRCP to the NORM position.
				1) Make sure the OFF light on the FRCP comes on.
				(3) Remove electrical power if it is not necessary (AMM 24-22-00/201).
	EFF	ECTI	VITY -	OPERATIONAL FLIGHT DATA RECORDER PARAMETERS
				31-31-01-4A 31-001-06 PAGE 3 OF 5 DEC 22/02
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ST	ATION							BOE	ING CARD NO.	
TA	IL NO.			\mathcal{A}	BOEIN	G		31-0	02–02	
	DATE		AIRLINE CARD NO.							
					TASK CARD					
SKILL	WORK ARE	EA	RELATED TASK		INTERVAL		PHASE	MPD REV	TASK CARD REVISION	
AVION	PASS CA	BIN		0	0006 YRS	NOTE	148XX	011	AUG 22/09	
		DICT				STRUCTURAL ILLUSTRATION	REFERENCE	AP AIRPLAN	PLICABILITY E ENGINE	
RESIG	UKE	DIGI	TAL FLIGHT DA	IA RECU	KDER ULB			ΝΟΤ	E ALL	
	ZONES					ACCESS PANELS		1		
253 MECH INSF	P		NOTE					м	IPD ITEM NUMBER	
	REPLAC LOCATO AT THE	E THE R BEA MANU	DIGITAL FLIG CON (ULB) AND FACTURER'S UL	HT DATA OPERAT B LIFE	RECORDER UNDE IONALLY CHECK LIMIT.	RWATER THE ULB		31-3	1-02-2в	
	INTERV	AL NO	TE: ULB LIFE DATE OF	LIMIT ULB MAN	IS CURRENTLY S UFACTURE.	SIX YEARS FROM				
	AIRPLA	NE NO	TE: AIRPLANE BEACONS BATTERY.	S EQUIP THAT HA	PED WITH UNDEF VE A 6-YEAR LI	WATER LOCATOR FE-LIMIT				
	ACCESS	NOTE	: ACCESS THR STA 1550.	OUGH OP	EN LOWERED CE	LING PANEL AT				
	1. <u>Und</u>	lerwat	<u>er Locator Be</u>	<u>acon Re</u>	<u>moval</u> (Fig. 20)1)				
	Α.	Refe	rences							
		(1)	AMM 31-31-01	/201, D	igital Flight	Data Recorder				
		(2)	AMM 25-22-02	/401 , L	owered Ceiling	g Panels				
	В.	Proc	edure							
		(1)	PASSENGER AI Open the low the flight d	RPRLANE ered ce ata rec	; iling panel (/ order in the a	MM 25-22-02/401 aft passenger co) to get mpartmer	acce nt.	ss to	
		(2)	Do this task	: Remo	ve the DFDR (A	MM 31-31-01/201).			
		(3)	Remove the u	nderwat	er locator bea	acon from the fl	ight dat	a rec	order:	
			(b) Remove	the two	screws and th	ne clamp from on	e end of	the	ULB.	
EFFECT	TIVITY				RESTORE	DIGITAL FLIGHT	DATA RE	CORDE	R ULB	
					31-31-02-2в	31-002-02	PAGE 1	OF 15	AUG 22/08	

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AIRLINE CARD NO.

MECH	INSP	-								·		
				(c)	Remove the ULB						
				(d)	Keep the two s	crews and the	clamp.				
		2.	FLI <u>Und</u>	GHT DAT <u>erwater</u>	A RE	ECORDERS WITH D cator Beacon Ba	UKANE ULBs; ttery Replacem	<u>ent</u> (Fig. 202))			
			Α.	Genera	ıl							
				(1) T	his	procedure cont	ains these tas	ks:				
				(a)	A removal of t	he Dukane ULB	Battery				
				(b)	An installatio	n of the Dukan	e ULB Battery				
			Β.	Equipm	ent							
				(1) 8 D 2 S	10-3 9ukar 900	325, Spanner Wr ne Corporation Dukane Drive Charles, IL 601	ench, Used on 74	Underwater Loo	ator Be	acon		
				(2) S 1	5pli1 -1/4	: Radiator Hose —inch diameter	, 5 inches in	length				
			С.	Consum	able	e Materials						
				(1) G	i0244	O Battery, Duk	ane 810-2007/K					
			D.	Remova	ıl Pr	rocedure						
					WARNIN	<u>IG</u> :	DO NOT REMOVE CAUSE DAMAGE T /DK130 ULB. T EXPIRED ULBS. /DK130 TO THE DANGEROUS CHEM PERSONNEL.	THE BATTERY FR O THE DK100/DK HE MANUFACTURE ON OR BEFORE MANUFACTURER F ICAL MATERIALS	OM THE DK100/D 130 ULB. DO N R HAS A REPLAC THE EXPIRED DA OR SERVICING. WHICH CAN CAU	OK130 UL IOT DISC EMENT P ITE, SEN THE BA ISE INJU	B. DO ARD TH ROGRAM D THE TTERY RIES T	NOT E DK100 FOR DK100 CONTAINS O
				(1) I s	f yo ervi	ou have a DK100 icing.	/DK130 ULB, se	end it to the m	nanufact	urer f	or	
				(2) I	fyd	ou do not have	a DK100/DK130	ULB, remove th	ne ULB b	attery	:	
EFF	ECTI	VIT	Y -				RESTORE	DIGITAL FLIGH	IT DATA	RECORD	ER ULB	
							31-31-02-2в	31-002-02	PAGE	2 OF 1	5 AUG 22/09	

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SAS CARD

AIRLINE CARD NO.

			TASK CARD
MECH	INSP		
			<u>CAUTION</u> : DO NOT HOLD THE UNDERWATER LOCATOR BEACON WITH A VISE. THIS CAN CAUSE DAMAGE TO THE UNDERWATER LOCATOR BEACON.
			(a) Hold the ULB body with a split radiator hose.
			(b) Use a spanner wrench to remove the end cover that is identified BATTERY ACCESS.
			(c) Remove the rubber shock cushion from the battery end if it is not removed with the cap.
			(d) Hit the ULB body lightly to remove the battery.
		Ε.	Installation Procedure
			(1) Install the ULB battery:
			<u>NOTE</u> : The Dukane 810–2007/K battery is a 6 year lithium battery used in the Dukane model DK120/DK140 ULB.
			(a) Put a new battery replacement date label on the ULB body.
			(b) Write the next scheduled replacement date for the new ULB that you installed.
			<u>NOTE</u> : The date label is blank so you can write in a replacement date based on your maintenance schedule.
			<u>CAUTION</u> : INSTALL THE ULB BATTERY CORRECTLY. INCORRECT POLARITY WILL CAUSE PERMANENT DAMAGE TO THE ULB.
			(c) Put the new battery in the ULB with the end identified by INSERT THIS END in first.
			(d) Remove and discard the used O-ring from the end cap.
			<u>CAUTION</u> : DIRT OR OTHER UNWANTED MATERIALS CAN CAUSE DAMAGE TO THE THREADS AND THE O-RING SEAL. THIS CAN PERMIT WATER LEAKAGE.
EFF	ECTI	VITY -	RESTORE DIGITAL FLIGHT DATA RECORDER ULB
			31-31-02-28 31-002-02 PAGE 3 OF 15 AUG 22/09

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					S	SAS	XX	767	-		AIRLINE CARD NO.
	T							TASK CARD			
MECH	INSP	-									
					(e)	Clean	the thre	eads and the O-	ring groove i	n the ULB	body.
					(f)	Apply and th	a thin nreads.	layer of lubric	ant to the O-	ring, 0-r	ing groove,
					(g)	Insta	ll a new	0-ring on the	end cap.		
					(h)	Put th	ne rubber	r shock cushion	smoothly on	the end ca	ap.
					(i)	Put th	ne end ca	ap into the ULB	body.		
					(j)	Tighte	en the er	nd cap until th	e cap flange	touches th	ne ULB body.
						<u>NOTE</u> :	Only us	se hand force o	n the spanner	wrench.	
				(2)	Do a	test o	of the Ur	nderwater Locat	or Beacon: T	ask 31–31-	-02-712-013.
		3.	FLI <u>Und</u>	GHT D erwat	ATA R er Lo	ECORDEF cator E	RS WITH T Beacon Ba	TELEDYNE BENTHO attery Replacem	S ULBs; <u>ent</u> (Fig. 202	2)	
			Α.	Gene	ral						
				(1)	This	proced	dure cont	tains these tas	ks:		
					(a)	Prepar	re for th	ne removal of t	he Teledyne B	enthos ULE	Battery.
					(b)	A remo	oval of t	the Teledyne Be	nthos ULB Bat	tery.	
					(c)	An ins	stallatio	on of the Telec	yne Benthos U	ILB Battery	· .
			Β.	Equi	pment						
				(1)	B362 Loca Tele 49 E	-09111, tor Bea dyne Be dgertor	, Torque acon enthos, I n Drive	Adapter, Used Inc	on Underwater		
					Nort	h Falmo	outh, MA	02556			
				(2)	Spli 1-1/-	t Radia 4-inch	ator Hose diameter	e ^, 5 inches in	length		
			С.	Consi	umabl	e Mater	rials				
EFF	ЕСТІ	VIT	Y -					RESTORE	DIGITAL FLIG	HT DATA RE	CORDER ULB
								31-31-02-2B	31-002-02	PAGE 4	OF 15 AUG 22/0
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31-002-02

AIRLINE CARD NO.

						TASK CARD				
MECH	INSP									
			(1)	B362-06192-2, Te	eled	yne Benthos.				
				<u>NOTE</u> : B362-0619 P/N C362- 0-Ring lu instructi	92–2 -042 ubri ion.	contains a li 70–2, a 2–022 cant packet an	thium battery O-Ring, an d replacement	,		
		D.	Prep	pare for the Remov	val					
			(1)	Measure the batt high-impedance c 10 Megohms.	tery digi	voltage of th tal voltmeter	e ELP-362D UL with a minimu	.B. Use um input	a impedance of	
				(a) Put the neg	gati	ve meter lead	on the water	switch.		
				(b) Put the pos beacon hous	siti sing	ve meter lead	on the bare a	aluminum	surface of the	
				(c) Read the vo	oltm	eter.				
		Ε.	Remo	oval Procedure						
			(1)	If the measured ULB to the manu1	vol fact	tage is less t urer for servi	han 6.0 Volts cing.	s, send t	he ELP-362D	
			(2)	If the measured from the ELP-362	vol 2D U	tage is 6.0 Vo LB:	lts or more,	remove t	he battery	
				<u>CAUTION</u> : DO NOT THIS (T HO Can	LD THE UNDERWA CAUSE DAMAGE T	TER LOCATOR E O THE UNDERW/	BEACON WI	TH A VISE. TOR BEACON.	
				(a) Hold the UL	_B b	ody with a spl	it radiator H	nose.		
				(b) Use the tor as BATTERY	rque ACC	adapter to re ESS.	move the end	cap that	is identified	
				(c) Turn the ho	ousi	ng up to remov	e the battery	/ from th	e unit.	
				(d) Discard the	e ba	ttery.				
				<u>NOTE</u> : Refe batt	er t tery	o local instru	ctions when y	vou disca	rd the	
EFF	ECTI	VITY -				RESTORE	DIGITAL FLIC	GHT DATA	RECORDER ULB	
						31-31-02-2B	31-002-02	PAGE	5 OF 15 AUG 22/	09

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AIRLINE CARD NO.

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	A BOEING
SAS	767
	TASK CARD

MECH	INSP		
		F.	Installation Procedure
			(1) Install the new ULB battery:
			<u>NOTE</u> : The Teledyne Benthos C362–O4270–2 battery is a six year battery.
			(a) Set the the battery until the arrow points to the top end of the unit.
			NOTE: The battery label has an arrow mark.
			(b) On the date label, write the next scheduled replacement date for the new ULB that you installed.
			<u>NOTE</u> : The date label is blank so you can write in a replacement date based on your maintenance schedule.
			<u>CAUTION</u> : INSTALL THE ULB BATTERY CORRECTLY. INCORRECT POLARITY WILL CAUSE PERMANENT DAMAGE TO THE ULB.
			(c) Put the new battery in the ULB with the end identified by INSERT THIS END in first.
			(d) Remove the O-ring from is from its groove in the end cap.
			<u>CAUTION</u> : DIRT OR OTHER UNWANTED MATERIAL CAN CAUSE DAMAGE TO THE THREADS AND THE O-RING SEAL. THIS CAN PERMIT WATER LEAKAGE.
			(e) Clean the O-ring groove of dirt, lint, and other unwanted materials.
			(f) Apply the O-ring lubricant to the new O-ring.
			(g) Put the lubricated O-ring in the end cap groove.
			(h) Attach the end cap to the housing.
EFF	ECTI	VITY	RESTORE DIGITAL FLIGHT DATA RECORDER ULB
			31-31-02-28 31-002-02 PAGE 6 OF 15 AUG 22/0

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	(BOEING
SAS	767
	TASK CARD

AIRLINE CARD NO.

MECH I	NSP							
				(i) Use the torque	adapter to in	stall the end	cap tig	ntly.
				<u>NOTE</u> : Only use	e hand force o	n the torque a	dapter.	
				(j) Torque the end	cap to 25 to	30 inch-pounds	-	
			(2)	Do a test of the Uno	derwater Locat	or Beacon: Ta	sk 31–3′	1-02-712-013.
	4.	<u>Und</u>	lerwat	<u>er Locator Beacon – (</u>	Operational Te	<u>st</u>		
		Α.	Equi	pment				
			(1)	Ultrasonic Test Set, Dukane Corporation 2900 Dukane Drive St. Charles, IL 6017	, 42A12 Series 74	(alternative)		
			(2)	Ultrasonic Test Set, Dukane Corporation 2900 Dukane Drive St. Charles, IL 6017	, PL1 74			
			(3)	PL3 Ultrasonic Test Dukane Corporation 2900 Dukane Drive St. Charles, IL 6017	Set 74			
			(4)	Acoustic Test Set, A Datasonics INC. 1400 Route 28A Cataumet, MA 02534	ATS-260			
			(5)	Ultrasonic Test Set, Dukane Corporation 2900 Dukane Drive St. Charles, IL 601	, TS200 174			
		в.	Cons	umable Materials				
			(1)	AOO448 Tape-Adhesive	9			
		С.	Proc	edure				
EFFE	CTIVIT	Y •			RESTORE	DIGITAL FLIGH	IT DATA F	RECORDER ULB
					31-31-02-2B	31-002-02	PAGE	7 OF 15 AUG 22/09

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AIRLINE CARD NO.

MECH	INSP	
		(1) If you have a 42A12C test set, do this test of the ULB:
		NOTE: 42A12 can do a test for all Dukane and Teledyne Benthos ULBs.
		(a) Put the test set approximately 3 feet from ULB.
		(b) Set the OFF-GAIN control switch on test set to middle position.
		 Make sure that you hear sounds through the earphone on the test set.
		(c) Set the TUNING CONTROL to 37 ± 1 kHz.
		(d) Set the INPUT SELECTOR switch to the INT position.
		(e) Make sure the test set operates correctly.
		 Rub your thumb and fingers together in front of the microphone to make sure it operates.
		NOTE: This will produce a rushing noise from the speaker.
		a) Make sure you hear sounds through the test set earphone.
		(f) Use any kind of tape to attach a piece of flexible metal conductor to the ULB case and the center of the water switch.
		<u>NOTE</u> : This will make a short circuit from the center of the water switch to the outer part of the ULB.
		1) Make sure you hear a pulsed tone at 1-second intervals.
		(g) Remove the metal conductor from the ULB case and center of the water switch.
		1) Make sure you do not hear a pulsed tone.
		(h) Set the OFF-GAIN control switch to the OFF position.
		(2) If you have a PL1 test set, do this test of the ULB:
		NOTE: PL1 can only do a test for the DK100 ULB.
EFF	ECTI	VITY RESTORE DIGITAL FLIGHT DATA RECORDER ULB
		31-31-02-28 31-002-02 PAGE 8 OF 15 APR 22/09

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MECH	INSP	-	
			(a) Use tape to attach a flexible metal conductor to the ULB case and the center of the water switch.
			<u>NOTE</u> : This will make a short circuit from the center of the water switch to the outer part of the ULB.
			(b) Put the end of the test set against the ULB, approximately one inch from the water switch.
			(c) Push and hold operation switch on the test set.
			1) Make sure the BEACON ACTIVE WHEN FLASHING light flashes.
			Remove the metal conductor from the ULB case and center of the water switch.
			3) Make sure the BEACON ACTIVE WHEN FLASHING light does not flash.
			(d) Release the operation switch on the test set.
			(e) Remove the test set.
		(3)	If you have a PL3 test set, do this test of the ULB.
			NOTE: PL3 can only do a test for the DK100 and DK120 ULBs.
			(a) Put the end of the PL3 test set against the ULB water switch.
			1) Make sure you hear a tone.
			2) Make sure the LED light flashes.
			(b) Remove the PL3 test set from the ULB.
		(4)	If you have an ATS-260 test set, do this test of ULB:
			<u>NOTE</u> : ATS-260 can only do a test for the ELP-362D ULB.
			(a) Put the test set clip on the ULB.
			(b) Push and hold the PUSH TO TEST button.
			(c) Put the test set probe on the ULB water switch.
EFF	ECTI	VITY	RESTORE DIGITAL FLIGHT DATA RECORDER ULB

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SAS	A BOEING
	767
	TASK CARD

AIRLINE CARD NO.

				TASK CARD
MECH	INSP			
				1) Make sure a green LED shows.
				2) Make sure you can hear sounds from the test set.
				3) Make sure the amber LED flashes.
			(d)	Release the PUSH TO TEST button.
			(e)	Remove the test set.
		(5)	If y	ou have a TS200 test set, do this test of the ULB:
			<u>NOTE</u>	: TS200 can do a test for all Dukane ULBs.
			(a)	Attach the test probe clip of the test set to the beacon in its mount.
			(b)	Put the tip of the probe on the silver pad of the water switch at the end of the beacon.
				 The LCD display will show the battery voltage of the beacon.
			(c)	Refer to the applicable battery code for the minimum permitted range of the beacon battery voltage:
				<u>NOTE</u> : Examine the battery replacement label to find the battery code.
				1) Code A - 3.55 Volts
				2) Code B - 2.97 Volts
				3) Code C - 2.97 Volts
				4) Code D - 2.97 Volts
			(d)	Push the red button on the test set.
				 The beacon starts and you hear a pinging noise from the test set.
			(e)	Remove the test probe clip of the test set from the ULB.
			(f)	Replace the ULB if necessary.
		V I I		RESTORE DIGITAL FLIGHT DATA RECORDER ULB
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MECH	INSP										
	-	5. <u>U</u>	Inderw	ater Locator Beacon Installation							
		A	. Co	nsumable Materials							
			(1	BO0541 Detergent, General Purpose							
		В	B. Re	ferences							
			(1) AMM 31-31-01/201, Digital Flight Data Recorder							
			(2) AMM 25-22-02/401, Lowered Ceiling Panels							
		С	. Pro	ocedure							
			(1) Install the underwater locator beacon on the flight data recorder:							
				(a) Make sure the water switch end of the ULB has no grease or dirt.							
				1) Clean the water switch on the ULB with a weak detergent.							
				(b) Put the ULB into its bracket.							
				(c) Install the clamp on the end of the ULB with the two screws.							
				(d) Make sure you can read the replacement date on the ULB.							
				(e) Tighten the four screws.							
			(2) Do this task: Install the DFDR (AMM 31-31-01/201).							
			(3) PASSENGER AIRPLANE; Close the lowered ceiling panels (AMM 25–22–02/401) in the aft passenger compartment.							
EFFE	CTI	/ITY		RESTORE DIGITAL FLIGHT DATA RECORDER ULB							
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AIRLINE CARD NO.

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BATTERY INSTALLATION

Underwater Locator Beacon Battery Replacement Figure 202

EFFECTIVITY	RESTORE	DIGITAL FLIGH	IT DATA RECORDER ULB
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TASK CARD WITE WEAK WITEWAK VITE VITE <th colspa<="" td=""><td>D</td><td>DATE</td><td>_</td><td colspan="10">SAS 767</td></th>	<td>D</td> <td>DATE</td> <td>_</td> <td colspan="10">SAS 767</td>	D	DATE	_	SAS 767									
SKLL MAX MB REATE TAK MAX MB AVION PASS CABIN 00002 YRS 11616 072 APR 22/09 OPERATIONAL FLIGHT DATA RECORDER ULB 11616 072 APR 22/09 INTE INTE ACCESS FAMELS NOTE ALL 253 INTE NOTE ALL NOTE ALL 263 INTE NOTE ACCESS FAMELS NOTE ALL 264 INTE NOTE ACCESS FAMELS NOTE ALL 265 INTE NOTE INTE ACCESS FAMELS NOTE ALL 265 INTE NOTE INTE ACCESS FAMELS NOTE ALL 265 INTE NOTE INTE ACCESS FAMELS NOTE ALL 265 INTE INTE INTE ACCESS FAMELS NOTE ALL 265 INTE INTE INTE ACCESS FAMELS INTE NOTE ALL 265 INTE INTE INTE INTE INTE INTE INTE 265 INTE ACCESS THAUGH POINT INTE INTE INTE INTE 265 NOTE ACCESS THAUGH POINT INTE INTE </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>TASK CARD</td> <td></td> <td></td> <td></td> <td></td>							TASK CARD							
AVION PASS CABIN 00002 YRS 11016 012 APR 22/09 VAX FLIGHT DATA RECORDER ULB STRETTARE FLUETATE WITHERS 00000 00000 VAX FLIGHT DATA RECORDER ULB NOTE NOTE 00000 ZONES NOTE NOTE NOTE NOTE 00000 Rece 10000 OPERATIONALLY CHECK THE DIGITAL FLIGHT DATA RECORDER 31-31-02-2C OPERATIONALLY CHECK THE DIGITAL FLIGHT DATA RECORDER 31-31-02-2C ARRENATER LOCATOR BEACON. AIRPLANE NOTE: AIRPLANE REQUIPED WITH UNDERWATER LOCATOR BEACONS THAT HAVE A 6-YEAR LIFE-LIMIT BATTERY. ACCESS NOTE: ACCESS THAT HAVE A 6-YEAR LIFE-LIMIT BATTERY. ACCESS TREVENTION ACCESS NOTE: ACCESS TREVOGH OPEN LOWERED CEILING PANEL AT STA 1550. 31-31-02-2C 1. Underwater Locator Beacon - Operational Test A. A. Equipment (1) Ultrasonic Test Set, 42A12 Series (alternative) DUKane Corporation 2900 Dukane Drive St. Charles, IL 60174 (2) Ultrasonic Test Set, PL1 Dukane Corporation 2900 Dukane Drive St. Charles, IL 60174 (4) Accustic Test Set, ATS-260 Datasonice INC. 1400 Route 28A Cataumet, MA 02534	SKILL	WORK	AREA	RELAT	ED TASK		INTERVAL		PHASE	MPD REV	TASK CARD REVISION			
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A. Equipment (1) Ultrasonic Test Set, 42A12 Series (alternative) Dukane Corporation 2900 Dukane Drive St. Charles, IL 60174 (2) Ultrasonic Test Set, PL1 Dukane Corporation 2900 Dukane Drive St. Charles, IL 60174 (3) PL3 Ultrasonic Test Set Dukane Corporation 2900 Dukane Drive St. Charles, IL 60174 (4) Acoustic Test Set, ATS-260 Datasonics INC. 1400 Route 28A Cataumet, MA 02534 EFFECTIVITY OPERATIONAL FLIGHT DATA RECORDER ULB 31-31-02-2C S1-02-03 PAGE 1 OF 5 APR 22/07		1. <u>Ur</u>	nderwat	<u>er Loca</u>	tor Bead	con –	<u>Operational Te</u>	est						
 (1) Ultrasonic Test Set, 42A12 Series (alternative) Dukane Corporation 2900 Dukane Drive St. Charles, IL 60174 (2) Ultrasonic Test Set, PL1 Dukane Corporation 2900 Dukane Drive St. Charles, IL 60174 (3) PL3 Ultrasonic Test Set Dukane Corporation 2900 Dukane Drive St. Charles, IL 60174 (4) Acoustic Test Set, ATS-260 Datasonics INC. 1400 Route 28A Cataumet, MA 02534 		Α.	. Equi	pment										
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EFFECTIVITY OPERATIONAL FLIGHT DATA RECORDER ULB 31-31-02-2C 31-002-03 PAGE 1 OF 5 APR 22/07			(2)	Ultras Dukane 2900 D St. Ch	onic Tes Corpora ukane Dr arles, I	st Set ation ive IL 601	, PL1 74							
(4) Acoustic Test Set, ATS-260 Datasonics INC. 1400 Route 28A Cataumet, MA 02534 EFFECTIVITY OPERATIONAL FLIGHT DATA RECORDER ULB 31-31-02-2C 31-02-2C 31-002-03 PAGE 1 OF 5 APR 22/07		 (3) PL3 Ultrasonic Test Set Dukane Corporation 2900 Dukane Drive St. Charles, IL 60174 												
EFFECTIVITY OPERATIONAL FLIGHT DATA RECORDER ULB 31-31-02-2C 31-002-03 PAGE 1 OF 5 APR 22/07			(4)	Acoust Dataso 1400 R Cataum	ic Test nics INC oute 28A et, MA C	Set, 2.	ATS-260							
EFFECTIVITY OPERATIONAL FLIGHT DATA RECORDER ULB 31-31-02-2C 31-002-03 PAGE 1 OF 5 APR 22/07														
31-31-02-2C 31-002-03 PAGE 1 OF 5 APR 22/07	EFFECT	IVITY					OPERATIONAL	FLIGHT DATA F	RECORDER U	LB				
							31-31-02-20	31-002-03	PAGE 1	0F 5	APR 22/07			

AIRLINE CARD NO.

31-002-03

MECH INSP								
		(5) UI Du 29 St	trasonic kane Cor 00 Dukar	c Test Se rporation ne Drive les, IL 6	et, TS200 50174			
	в.	Consuma	able Mate	erials				
		(1) AC)0448 Tap	be-Adhesi	ve			
	с.	Procedu	ire					
		(1) I1	[:] you hav	ve a 42A1	2C test set, do	this test o	f the ULB:	
		<u>NC</u>) <u>TE</u> : 42/	A12 can c	lo a test for al	l Dukane and	Teledyne Ben	thos ULBs.
		(a	a) Put 1	the test	set approximate	ly 3 feet fr	om ULB.	
		(b) Set 1	the OFF-0	GAIN control swi	tch on test	set to middle	position.
			1) N	lake sure test set.	e that you hear	sounds throu	gh the earpho	ne on the
		((:) Set 1	the TUNIN	IG CONTROL to 37	′±1 kHz.		
		(0	1) Set 1	the INPUT	SELECTOR switc	h to the INT	position.	
		(e	e) Make	sure the	e test set opera	tes correctly	ý.	
			1) F r	Rub your nicrophor	thumb and finge ne to make sure	rs together it operates.	in front of t	he
			١	NOTE: TH	nis will produce	a rushing n	oise from the	speaker.
			ć	a) Make earph	sure you hear s none.	ounds throug	h the test se	t
		(1	[:]) Use a condu	any kind uctor to	of tape to atta the ULB case an	ch a piece o d the center	f flexible me of the water	tal switch.
			<u>NOTE</u> :	: This w the wa	vill make a shor ater switch to t	t circuit fro he outer par	om the center t of the ULB.	of
			1) M	1ake sure	e you hear a pul	sed tone at	1-second inte	rvals.
EFFECTIVI	тү -				OPERATIONAL	FLIGHT DATA	RECORDER ULB	
					31-31-02-20	31-002-03	PAGE 2 OF	5 APR 22/09

3 1 3

31-002-03

SAS BOEING 767 TASK CARD

AIRLINE CARD NO.

MECH	INSP	-	
			(g) Remove the metal conductor from the ULB case and center of the water switch.
			1) Make sure you do not hear a pulsed tone.
			(h) Set the OFF-GAIN control switch to the OFF position.
		(2)	If you have a PL1 test set, do this test of the ULB:
			<u>NOTE</u> : PL1 can only do a test for the DK100 ULB.
			(a) Use tape to attach a flexible metal conductor to the ULB case and the center of the water switch.
			<u>NOTE</u> : This will make a short circuit from the center of the water switch to the outer part of the ULB.
			(b) Put the end of the test set against the ULB, approximately one inch from the water switch.
			(c) Push and hold operation switch on the test set.
			1) Make sure the BEACON ACTIVE WHEN FLASHING light flashes.
			Remove the metal conductor from the ULB case and center of the water switch.
			3) Make sure the BEACON ACTIVE WHEN FLASHING light does not flash.
			(d) Release the operation switch on the test set.
			(e) Remove the test set.
		(3)	If you have a PL3 test set, do this test of the ULB.
			<u>NOTE</u> : PL3 can only do a test for the DK100 and DK120 ULBs.
			(a) Put the end of the PL3 test set against the ULB water switch.
			1) Make sure you hear a tone.
			2) Make sure the LED light flashes.
EFF	ECTI	VITY	OPERATIONAL FLIGHT DATA RECORDER ULB
			31-31-02-2C 31-002-03 PAGE 3 OF 5 DEC 22/08

AIRLINE CARD NO.

31-002-03

			TASK CARD
MECH	INSP		
			(b) Remove the PL3 test set from the ULB.
		(4)	If you have an ATS-260 test set, do this test of ULB:
			NOTE: ATS-260 can only do a test for the ELP-362D ULB.
			(a) But the test set slip on the UID
			(a) Put the test set ctip on the ULB.
			(b) Push and hold the PUSH TO TEST button.
			(c) Put the test set probe on the ULB water switch.
			 Make sure a green LED snows. Andre sure you can been counde from the test set
			 Make sure you can near sounds from the test set. Make sure the other LED fleebee
			3) Make sure the amber LED flashes.
			(d) Release the PUSH TO TEST button.
			(e) Remove the test set.
		(5)	If you have a IS200 test set, do this test of the ULB:
			NULE: ISZUU can do a test for all Dukane ULBS.
			(a) Attach the test probe clip of the test set to the beacon in its mount.
			(b) Put the tip of the probe on the silver pad of the water switch at the end of the beacon.
			 The LCD display will show the battery voltage of the beacon.
			(c) Refer to the applicable battery code for the minimum permitted range of the beacon battery voltage:
			<u>NOTE</u> : Examine the battery replacement label to find the battery code.
			1) Code A - 3.55 Volts
			2) Code B - 2.97 Volts
EFF	ECTIV	/ITY	OPERATIONAL FLIGHT DATA RECORDER ULB
			31-31-02-2C 31-002-03 PAGE 4 OF 5 APR 22/09

31-002-03

AIRLINE CARD NO.

	_										TAS	SKU	ARD										
MECH	INSP																						
						3)	Cc	ode	c –	2.9	97 Vo	olts											
						4)	Cc	ode	D -	2.9	97 Va	olts											
					(d)	Pus	sh t	the	red	bu	tton	on t	he t	est s	set.								
						1)	Th te	ne b est	eaco set	on : •	stari	ts an	d yo	u hea	ar a	ping	ging	noi	se 1	fror	n th	е	
					(e)	Rem	ιοve	e th	ne to	est	prol	be cl	ip o	f the	e tes	st se	et f	rom	the	ULE	З.		
					(f)	Rep	olac	ce t	he l	ULB	if r	neces	sary	-									
		2.	<u>Under</u>	<u>wate</u>	er Lo	<u>cato</u>	<u>or E</u>	<u>3eac</u>	on	Ins	talla	ation	L										
EFF	ECTI	VIT	(OPER/	ATION	AL	FLIG	GHT C	ATA	REC	ORDE	r ul	В			
											31-3	31–02	-2C	31-0	002-0)3	Ρ	AGE	5 (DF	5 A	PR 2	22/0

	STATION TAIL NO.									BOE	ING CARD NO.			
						\mathcal{A}	RAEIA			31–0	04–01			
				SAS 767										
	DA	ATE .		-										
SKIL	L	WORK A	REA	REL	ATED TASK		INTERVAL		PHASE	MPD REV	TASK CARD REVISION			
AVI		MAIN E	E CTR				10		11212	012	APR 22/08			
0P	ERA	TIONAL	WAR	NING EL	ECTRONI	CS UNIT	CARD MODULE		TERENCE	AIRPLAN	E ENGINE			
		ZONES						ACCESS PANELS		ALL	ALL			
11	9 7	211			119AL									
MECH	INSP									٩	IPD ITEM NUMBER			
		OPERA MODUL	TIONAL ES.	LY CHE	ECK THE I	√ARNING	ELECTRONICS U	JNIT CARD		31-5	1-04-4A			
		1. <u>WE</u>	<u>U Carc</u>	d Modul	<u>e Test</u>									
		Α.	Refe	erences	5									
			(1)	22-10	0-00/501	, Autop	ilot Flight Co	ontrol						
			(2)	24-22	2-00/201	, Elect	rical Power –	Control						
			(3)	31-41	-00/501	, Engin	e Indication a	and Crew Alerting	System	(EIC	AS)			
			(4)	31–51	-00/501	, Warni	ng System							
			(5)	32-09	-02/201	, Air/G	round Relays							
			(6)	34-12	2-00/501	, Air D	ata Computer							
			(7)	34-22	2-00/501	, EFIS								
			(8)	34-33	8-00/501	, Radio	Altimeter Sys	stem						
		В.	Acce	ess										
			(1)	Locat 1 2	ion Zono 19/120 211/212	es Main Flig	Equipment Cer ht Compartment	nter t						
		с.	Prep	bare fo	or the Te	est								
			<u>NOT</u>	E: The ins War	e procedu stalled o ning Sys	ures th correct stem -	at follow make ly. The comp Adjustment/Tes	e sure that the ca lete system test st (AMM 31-51-00/!	ard mod is foun 501).	lules nd in	are the			
EFF	ЕСТ	ΙVITY					OPERATIONAL	WARNING ELECTRO	NICS UN	IIT CA	RD MODULE			
							31-51-04-4A	31-004-01 P	AGE 1	0F 8	AUG 10/98			

RD NO.

31-004-01

SAS	A BOEING
	767
	TASK CARD

AIRLINE CARD NO.

			TASK CARD
MECH	INSP		
			(1) Supply electrical power (AMM 24-22-00).
			(2) Make sure that the EICAS system operates correctly (AMM 31-41-00).
			(3) Make sure that these P11 panel circuit breakers are closed:
			(a) 11B16, AURAL WRN SPKR L
			(b) 11B18, WARN ELEX B
			(c) 11F5, RAD ALTM L
			(d) 11G3, SELCAL
			(e) 11H35, AURAL WARN SPKR R
			(f) 11J34, WARN ELEX A
			(g) 11U15, AIR/GND SYS 1
			(h) 767-300 AIRPLANES;
			11U23, POSITION AIR/GND SYS 2
			(i) 767-200 AIRPLANES;
			11U24, POSITION AIR/GND SYS 2
		D.	Power Supply Card Module Test
			(1) Push the RESET switch on the WEU.
			(a) Make sure that the PS-A fault indicator shows black.
			(b) Make sure that the PS-B fault indicator shows black.
		Ε.	Master Warning Card Module Test
			(1) Open this P11 panel circuit breaker:
			(a) 11B18, WARN ELEX B
			(2) Make sure the WARNING lights on the P7 panel and the CONFIG light on the P1 panel are off.
			(3) Push and hold the CONFIG switch on the miscellaneous test panel in the LDG position.
EFF	ECTIV	ITY .	OPERATIONAL WARNING ELECTRONICS UNIT CARD MODULE
			31-51-04-4A 31-004-01 PAGE 2 OF 8 AUG 22/01

31-004-01

MECH	INSP		
			(a) Make sure that the WARNING lights and the CONFIG light come on.
			<u>NOTE</u> : "GEAR NOT DOWN" light may display on the upper EICAS.
			(b) Momentarily push the captain's or first officer's WARNING light.
			1) Make sure that the two master warning lights go off.
		(4)	Release the CONFIG switch.
		(5)	Close this P11 panel circuit breaker:
			(a) 11B18, WARN ELEX B
		(6)	Open this P11 panel circuit breaker:
			(a) 11J34, WARN ELEX A
		(7)	Make sure that the WARNING and CONFIG lights are off.
		(8)	Push and hold the CONFIG switch on the miscellaneous test panel in the LDG position.
			(a) Make sure that the WARNING lights and CONFIG light come on.
			(b) Momentarily push the captain's or first officer's WARNING light.
			1) Make sure that the two master warning lights go off.
		(9)	Release the CONFIG switch.
		(10)	Make sure that the WARNING and CONFIG lights go off.
		(11)	Close this P11 panel circuit breaker:
			(a) 11J34, WARN ELEX A
		F. Bell	/Chime Aural Warning Card Module Test
		(1)	Make sure that these P11 panel circuit breakers are closed:
			(a) 11B10, WW FIRE/DUCT LEAK 1
			(b) 11B33, WW FIRE IND
EFF	ECTI	VITY	OPERATIONAL WARNING ELECTRONICS UNIT CARD MODULE

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3 1 4

AIRLINE CARD NO.

31-004-01

	A BOEING
SAS	767
	TASK CARD

				TASK CARD							
MECH	INSP										
			(2)	Open this P11 circuit breaker:							
				(a) 11B18, WARN ELEX B							
			(3)	Push and hold the WHEEL WELL test switch on the aft electronic control panel.							
				(a) Make sure that the fire bell aural warning comes on.							
				1) ALL SAS AIRPLANES;							
				the fire bell sequence is 0.8 second on and 9.2 seconds off.							
				2) ALL MTH AIRPLANES;							
				the fire bell sequence is 2 seconds on and 3 seconds off.							
		(4) Release the WHEEL WELL switch.									
				(a) Make sure that the fire bell aural warning goes off.							
				<u>NOTE</u> : Do not continue for a minimum of 20 seconds.							
			(5)	Close this P11 panel circuit breaker:							
				(a) 11B18, WARN ELEX B							
		G.	Sire	n/Owl Card Module Test							
			(1)	Make sure these P11 panel circuit breakers are closed:							
				(a) 11B16, AURAL WARN SPKR L							
				(b) 11B18, WARN ELEX B							
				(c) 11H35, AURAL WARN SPKR R							
		(d) 11J34, WARN ELEX A									
		(2) Make sure the parking brake is engaged.									
		(a) Make sure the EICAS message, PARKING BRAKE, shows in yellow on the top EICAS display.									
EFF	ECTIV	ITY -									
				JUPERATIONAL WARNING ELECTRONICS UNIT CARD MODULE							
1											

31-004-01

AIRLINE CARD NO.

MECH	INSP							
			(3)	On the right side pa the EICAS MAINT pane	nel, P61, mom l.	entarily push	the TEST sw	itch on
				(a) Make sure you h and first offic	ear the siren er's speakers	aural warning	g from the ca	aptain's
				<u>NOTE</u> : The sire time.	n comes on fo	r approximate	Ly 4 seconds	at a
				(b) Make sure you h first officer's	ear the owl a speakers.	ural warning f	from the cap	tain's and
				<u>NOTE</u> : The owl	comes on for	approximately	1 second at	a time.
				(c) Make sure the m	aster WARNING	lights on the	e glareshiel	d come on.
			(4)	On the EICAS MAINT p electrical power fro	anel, momenta m the test ci	rily push the rcuits.	TEST switch	to remove
				(a) Make sure the s	iren goes off			
				(b) Make sure the o	wl goes off.			
				(c) Make sure the m	aster WARNING	lights go of	f.	
		Н.	Land	ing Configuration War	ning Card Mod	ule Test		
			(1)	Make sure the Radio	Altimeter is	operational (F	Ref 34-33-00	/501).
			(2)	Make sure the red CO off.	NFIG light on	the center ir	nstrument pa	nel is
			(3)	If the master WARNIN officer's WARNING sw	G lights are itch-light.	on, push the d	captain's or	first
			(4)	Hold the CONFIG swit	ch on the TES	T panel in the	e LDG positi	on.
				(a) Make sure the r	ed CONFIG lig	ht comes on.		
				(b) Make sure the m	aster WARNING	lights come o	on.	
				(c) Make sure you h	ear the siren	aural warning].	
				(d) Make sure the E display.	ICAS message,	GEAR NOT DOWN	N, shows on	the top
EFF	ECII	VIII –			OPERATIONAL	WARNING ELECT	RONICS UNIT	CARD MODULE
					31-51-04-4A	31-004-01	PAGE 5 OF	8 AUG 22/01

3 1 4

AIRLINE CARD NO.

31-004-01

~ • •	A BOEING
SAS	767
	TASK CARD

MECH	INSP	-										
			(5)	Polosco the CONFIG suitch								
			(5)	Release the config switch.								
		I.	Take	off Configuration Warning Card Module Test								
			(1)	Set the parking brake to the ON position.								
			(2)	Make sure this EICAS message, PARKING BRAKE, shows on the top display.								
			WARN	ING: KEEP PERSONS AND EQUIPMENT AWAY FROM ALL CONTROL SURFACES WHEN HYDRAULIC POWER IS SUPPLIED. AILERONS, ELEVATORS, RUDDER, FLAPS, SLATS, SPOILERS, AND STABILIZER ARE FULLY POWERED SURFACES. INJURY OR DAMAGE CAN OCCUR WHEN HYDRAULIC POWER IS SUPPLIED.								
			(3)	Supply hydraulic power (AMM 29-11-00/201).								
			(4)	Set the flaps to the O position.								
			(5) Move the stabilizer out of the green band area.									
			(6)	Put the SPEED BRAKE lever in the UP position.								
			(7)	Make sure that the red CONFIG light is off.								
			(8)	Push the captain's and first officer's WARNING lights if they are illuminated.								
			(9)	Make sure that these red EICAS messages do not show:								
				(a) SPOILERS								
				(b) FLAPS								
				(c) PARKING BRAKE								
				(d) STABILIZER								
			(10)	Push and hold the CONFIG switch in the T/O position.								
				(a) Make sure that the red CONFIG light, WARNING lights, and siren aural warning come on.								
		(b) Make sure that the red PARKING BRAKE, SPOILERS, FLAP, and STABILIZER messages show on the EICAS display unit.										
EFF	FECTI	VITY		OPERATIONAL WARNING FLECTRONICS UNIT CARD MODULE								
				31-51-04-4A 31-004-01 PAGE 6 0F 8 AUG 22/01								

AIRLINE CARD NO.

31-004-01

					TASK CARD					
MECH	INSP	-								_
			(11)	Release the CONFIG su	witch.					
			(12)	Return the stabilizer	r to the gree	n band area.				
			(13)	Put the SPEED BRAKE	lever in the	DOWN position.				
			(14)	Remove hydraulic powe	er (AMM 29-11	-00/201).				
		J.	Put	the Airplane Back to I	Its Usual Con	dition				
			(1)	Remove electrical pow	wer if it is	not necessary	(Ref 24-2	22–00)).	
_										
EFF	ECTI	VITY			OPERATIONAL	WARNING ELECT	RONICS U	NIT C	ARD MODULE	
					31-51-04-4A	31-004-01	PAGE 7	OF	8 AUG 22/01	

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	STATION]					BOE	ING CARD NO.			
	TAIL	. NO.			S BOEII	VG		31–0	07–01			
	DA	TE	-	SAS &	767			AIR	LINE CARD NO.			
					TASK CAR	D						
SKII	LL	WORK AR	EA	RELATED TASK	INTERVA	-	PHASE	MPD REV	TASK CARD REVISION			
AVI	ON	CREW CA	ABIN		00100 HRS	(#)	003SC	006	APR 22/05			
OP	ERA	TIONAL	EICA	AS MAINTENANCE ME	SSAGES	STRUCTURAL ILLUSTRATION R	FERENCE	AIRPLANE ENGINE				
		ZONES				ACCESS PANELS		NOT	<u>E ALL</u>			
21	2											
MECH	INSP	_						I	MPD ITEM NUMBER			
	PERFORM A READOUT OF ALL EICAS MAINTENANCE MESSAGES BY 31-41-00-2A PRESSING THE ECS/MSG DISPLAY SELECT SWITCH.											
	AIRPLANE NOTE: THIS TASK IS APPLICABLE TO ALL 767 MODELS EXCEPT THE 767-400ER.											
	(#) CMR AND MSG-3 DEVELOPED FREQUENCY IS 100 HOURS.											
		THIS	FASK I	INCLUDES THE REQU	IREMENTS OF MPD	ITEM 31-41-00-2B.						
		1. <u>EI(</u>	CAS Ma	aintenance and EP	<u>CS Messages</u>							
		Α.	Refe	erences								
			(1)	AMM 24-22-00/20	1, Electrical Po	ver – Control						
		В.	Proc	cedure								
			(1)	Supply electric	al power (AMM 24	-22-00/201).						
			(2)	Make sure that	the EICAS circui	t breakers that fo	llow ar	re clo	sed:			
				(a) 11J2, EIC	AS CMPTR LEFT							
				(b) 11J3, EIC	AS UPPER DSPL							
				(c) 11J29, EIC	AS CMPTR RIGHT							
				(d) 11J30, EIC	AS LOWER DSPL							
				(e) 11J31, EIC	AS DSPL SW							
				(f) 11J32, EIC	AS DSPL SELECT							
			(3)	Do the steps th	at follow to show	v all the EICAS ma	intenar	nce me	ssages:			
EFF	ECT	IVITY			OPERATIONAL	EICAS MAINTENAN	CE MESS	SAGES				
					31-41-00-2/	A 31-007-01 P	AGE 1	0F 2	APR 22/05			

31-007-01

SAS **BOEING** 767 TASK CARD

AIRLINE CARD NO.

					TASK CARD						
MECH	INSP										
			(a)	Push the ECS/M side panel, P6 maintenance me	SG switch on t 1, to show the ssages.	he EICAS MAII ECS MSG page	NT panel on t e and the fin	the right rst page	t of		
			(b)	If PAGE 1 show	s, push the EC	S MSG switch	again.				
			(c) Continue to push the ECS MSG switch as necessary to see all additional pages.								
			(d)	After all of t show without t to go back to	he pages of me he message lis the secondary	ssages show, t. Push the engine page.	the ECS MSG ECS MSG swi†	page wi tch agair	ll n		
		(4)	Do t	he steps that f	ollow to show	all the EICAS	S EPCS messa	jes:			
			(a)	Push the EPCS of EPCS messag	switch to show es.	the EPCS pag	ge and the f	irst page	е		
			(b)	If PAGE 1 show	s, push the EP	CS switch aga	ain.				
			(c)	Continue to pu additional pag	nue to push the EPCS switch as necessary to see all the ional pages.						
			(d)	After all of t show without t go back to the	he pages of me he message lis secondary eng	ssages show, t. Push the ine page.	the EPCS pag EPCS switch	ge will again to	0		
				<u>NOTE</u> : Additio	nal data on th	e EPCS is ind	cluded in AMM	1 77-35-(00.		
		(5)	Remo	ove electrical p	ower if it is	not necessary	y (AMM 24-22-	-00/201)	-		
EFF	ECTIVITY				OPERATIONAL	EICAS MAINTE	ENANCE MESSA	GES			
					31-41-00-2A	31-007-01	PAGE 2 01	F 2 DEC	22/00		

STA	ATION							BOE	ING CARD NO.				
TAI	L NO.			\mathcal{O}	BOEIN	IG		31–0	08–01				
D	DATE		SAS	\mathcal{O}	767			AIRI	LINE CARD NO.				
					TASK CARD			MDD	TACK CARD				
SKILL	WORK ARI	EA	RELATED TASK		INTERVAL		PHASE	REV	REVISION				
AVION	CREW CA	BIN	ا	10 ITLE	0800 HRS	(#) STRUCTURAL ILLUSTRATION R	12121 EFERENCE	012 AF	APR 22/06				
OPERA	TIONAL	RIGH	IT EICAS COMP	UTER				AIRPLAN					
	ZONES					ACCESS PANELS		NUT	E ALL				
212													
MECH INSP	•							I	MPD ITEM NUMBER				
	OPERAT EICAS (#) CM	IONAL COMPU IR FRE	LY CHECK (IN ITER (IF NOT QUENCY IS 10	CLUDING I CHECKED I 800 HOUR:	L-R SWITCHING) BY CREW). S.	THE RIGHT		31-4	1-02-4A				
	AIRPLA	AIRPLANE NOTE: APPLICABLE TO ALL 767 AIRPLANES EXCEPT THE 767-400ER.											
		(1) Supply electrical power (AMM 24-22-00/201).											
		(2) Make sure that these P11 panel circuit breakers are closed:											
			(b) 11J29 ,	EICAS CI	MPTR R								
		(3)	Make sure t configurati	hese con on:	ditions exist	before you verif	y the s	oftwa	re				
			(a) The ai	rplane i	s on the grour	nd,							
			(b) The en	gines ar	e off and,								
			(c) The pa	rking bra	ake is set.								
		(4)	Do these st	eps to ma	ake sure that	the correct soft	ware is	s inst	alled:				
			<u>NOTE</u> : Make the to b chec	sure you EICAS com e an appu ked.	u know the cor nputer you wil roved installa	rect software pa l check. For th ition, the correc	e EICAS E Softw	oer fo 6 comp vare m	r uter ust be				
			(a) Press	the CONF.	/MCDP switch c	on the EICAS MAIN	IT panel	. (P61).				
			(b) If the OPS (A	correct MM 31-41	OPS software -02/201).	does not show, i	nstall	the c	orrect				
EFFECT	IVITY				OPERATIONAL	RIGHT EICAS COM	IPUTER						
					31-41-02-4A	31-008-01 P	PAGE 1	0F 3	APR 22/06				

31-008-01

AIRLINE CARD NO.

MECH INSP			
		(5)	Do the AUTO EVENT, MAN EVENT, and ENG EXCD Erase Procedures (AMM 31-41-00/201).
		(6)	Do the EICAS Computer Test procedure.
1.	<u>EIC</u>	<u>AS Con</u>	nputer Test
	Α.	Refer	`ences
		(1)	AMM 24-22-00/201, Electrical Power - Control
	в.	Acces	S
		(1)	Location Zones 119/120 Main Equipment Center 211/212 Flight Compartment
	с.	Proce	edure
		(1)	Supply electrical power (AMM 24-22-00/201).
		(2)	Make sure that the EICAS circuit breakers that follow are closed:
			(a) 11J2, EICAS CMPTR LEFT
			(b) 11J3, EICAS UPPER DSPL
			(c) 11J29, EICAS CMPTR RIGHT
			(d) 11J30, EICAS LOWER DSPL
			(e) 11J31, EICAS DSPL SW
			(f) 11J32, EICAS DSPL SELECT
		(3)	Turn the COMPUTER switch on the EICAS DISPLAY select panel to the L or R position as applicable.
		(4)	Make sure that the top display shows the engine primary page and the bottom display shows the engine secondary page.
		(5)	Make sure that the parking brake is engaged.
		(6)	Push and release the TEST switch on the EICAS MAINT panel, P61.
		(7)	Make sure that the TEST page shows on both displays.
FFFCTIVITY	_		
			OPERATIONAL RIGHT EICAS COMPUTER

31-41-02-4A 31-008-01

PAGE 2 OF 3 DEC 22/02

								BOEING CARD NO.
				\mathbf{A}	BOFIN	G		31-008-01
			SAS	XX				AIRLINE CARD NO.
			ono		TASK CARD			
MECH INSP								
		(8)	Continue a	fter the	message TEST I	N PROGRESS go	bes out of	view.
		(9)	If the mess (FIM 31-41-	sage X IN -00/101).	TERNAL FAULTS	shows, do the	e EICAS BIT	E procedure
		(10)	Make sure the left ()	that the right) co	EICAS program mputer as appl	pin codes tha icable:	at follow s	how for
			(a) SAS 0 5A20	50-051,15 (5221)	0-157,162-167,	275-278,280-2	281;	
		(11)	Turn the Co other compo	OMPUTER s uter.	witch on the E	ICAS DISPLAY	select-pan	el to the
		(12)	Make sure correct.	oin code for the other computer is				
			<u>NOTE</u> : The	codes fo	r both compute	rs are given	before thi	s step.
		(13)	Make sure	the the C	MPTR FAIL mess	ages do not s	show.	
		(14)	Push and re	elease th	e left master	CAUTION swite	ch/light.	
		(15)	Push and re	elease th	e TEST switch	to go out of	the TEST m	ode.
	D.	Put	the Airplane	e Back to	Its Usual Con	dition		
		(1)	Remove elec	ctrical p	ower if it is	not necessary	/ (AMM 24-2	2-00/201).
EFFECTIV	ITY				OPERATIONAL	RIGHT EICAS	COMPUTER	
					31-41-02-4A	31-008-01	PAGE 3	OF 3 DEC 22/02
					1			

STAT	ION]							BOE	ING CARD NO.		
TAIL	NO.	-		(Δ	BOEIN	l G		31–0	09–01		
DA	TE	_	S	AS à	ρ	767	_		AIRI	INE CARD NO.		
						TASK CARD						
SKILL	WORK AF	EA	REL	ATED TASK		INTERVAL		PHASE	MPD REV	TASK CARD REVISION		
AVION	CREW C	ABIN		TITLE		3A	STRUCTURAL ILLUSTRATION R	10303	012	AUG 22/01		
CLEAN	/INSP	EICA	S DISF	PLAY UNIT	AIR I	NLET SCREEN			AIRPLAN	E ENGINE		
	ZONES						ACCESS PANELS		NOT	E ALL		
211												
MECH INSP									N	MPD ITEM NUMBER		
	1											
INSPECT THE EICAS DISPLAY UNIT COOLING AIR INLET SCREEN FOR 31-41-U1-4A CONTAMINATION AND CLEAN AS REQUIRED.												
	AIRPL	ANE NO	TE:	THIS TASH EXCEPT TI	< IS A HE 767	PPLICABLE TO A -400er.	LL 767 MODELS					
1. <u>Remove the EICAS Display Unit</u> (Fig. 401)												
	Α.	A. References										
		(1)	20-41	I-01/201,	Elect	rostatic Disch	arge Sensitive D	evices				
		(2)	24-22	2-00/201,	Elect	rical Power –	Control					
	В.	Proc	edure									
		(1)	0pen P11,	these cin and atta	rcuit ch DO-	breakers on th NOT-CLOSE tags	ne overhead circu s:	it brea	ıker p	anel,		
			(a)	11J3, E	ICAS U	PPER DSPL						
			(b)	11J30, E	ICAS L	OWER DSPL						
		<u>CAUT</u>	<u>ION</u> :	DO NOT MO FOR DEVIO (AMM 20-4 THE EICA:	OVE TH CES TH 41-01) S DISP	E EICAS DISPLA AT ARE SENSITI . ELECTROSTAT LAY UNITS.	Y UNITS BEFORE Y VE TO ELECTROSTA IC DISCHARGE CAN	OU DO T TIC DIS CAUSE	THE PR Charg Damag	OCEDURE E E TO		
		(2)	Do th disch	ne procedu narge (AMI	ure fo M 20-4	r devices that 1-01).	are sensitive t	o elect	rosta	tic		
EFFECTI	Ινιτγ						ETCAS DISDLAV			TSCDEEN		
										I JUKEEN		
						31-41-01-4A	31-009-01 P	AGE 1	0F 5	AUG 22/01		
			BUEING P	KUPKIEIARY - CO	pyright (υν – Unpublished Work –	see title page for details	•				

31-009-01

MECH	INSP	-								
			<u>CAU1</u>	TION: DO NOT PULL TH WHEN THE SPRIM COMPLETELY REL THE HANDLE IF SCREWS.	HE CRT HANDLE. NG IS RELEASED. LEASED FROM THE YOU TURN IT OU	THE HANDLE TU HOLD THE HAN SCREWS. YOU T BEFORE IT IS	RNS OUT A DLE UNTIL CAN CAUSE RELEASED	UTOMAT IT IS DAMAC FROM	FICALLY S GE TO THE	
			(3)	Hold the handle in	the flat posit	ion against th	e unit.			
			(4)	Loosen the handle s the display unit.	screws at the t	op left and bo	ttom left	corne	ers of	
				<u>NOTE</u> : Do not comp	letely remove t	he handle scre	WS.			
			(5)	Pull the handle out	t and to the ri	ght.				
				<u>NOTE</u> : If the hand springs inst	le is not fully talled in the i	v extended when nstrument pane	you remo l can com	ve the ne out.	∍ CRT,	
			(6)	Carefully pull the P2.	display unit f	rom the center	instrume	nt par	nel,	
		2. <u>Ir</u>	nstall	tall the EICAS Display Unit (Fig. 401)						
		Α.	. Refe	erences						
			(1)	20-41-01/201, Elect	trostatic Disch	arge Sensitive	Devices			
			(2)	(2) 24-22-00/201, Electrical Power - Control						
			(3)	34-22-00/201, Catho	ode Ray Tube (C	RT)				
		В.	B. Prod	cedure						
			(1)	Make sure that the	se P11 panel ci	rcuit breakers	are open	1 =		
				(a) 11J3, EICAS U	JPPER DSPL					
				(b) 11J30, EICAS L	OWER DSPL					
					_					
EFF	ECII	VIIY			CLEAN/INSP	EICAS DISPLAY	UNIT AIR	INLET	r screen	
					31-41-01-4A	31-009-01	PAGE 2	0F 5	NOV 10/94	

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31-009-01

AIRLINE CARD NO.

MECH	INSP		
			<u>CAUTION</u> : DO NOT MOVE THE EICAS DISPLAY UNITS BEFORE YOU DO THE PROCEDURE FOR DEVICES THAT ARE SENSITIVE TO ELECTROSTATIC DISCHARGE (AMM 20-41-01). ELECTROSTATIC DISCHARGE CAN CAUSE DAMAGE TO THE EICAS DISPLAY UNITS.
			(2) Do the procedure for devices that are sensitive to electrostatic discharge (AMM 20-41-01).
			(3) Clean the cooling air inlet screen at the rear of the display unit as necessary (Fig. 401).
			(4) Make sure that the handle is in the fully extended position.
			(5) Carefully move the display unit into the correct position.
			<u>CAUTION</u> : HOLD THE CRT HANDLE IN THE FLAT POSITION AGAINST THE UNIT WHILE YOU TURN THE SCREWS IN. YOU CAN CAUSE DAMAGE TO THE HANDLE IF YOU DO NOT HOLD IT UNTIL THE SCREWS ARE TIGHT.
			(6) Turn and hold the CRT handle to the left and into the flat position.
			<u>CAUTION</u> : DO NOT TIGHTEN THE SCREWS TOO MUCH. TOO MUCH PRESSURE CAN DAMAGE THE THREADS.
			(7) Tighten the CRT handle screws.
			(8) Remove the DO-NOT-CLOSE tags an close these circuit breakers on the P11 panel:
			(a) 11J3, EICAS UPPER DSPL
			(b) 11J30, EICAS LOWER DSPL
		С.	Display Unit Test
			(1) Make sure the EICAS circuit breakers that follow are closed:
			(a) 11J2, EICAS CMPTR LEFT
			(b) 11J3, EICAS UPPER DSPL
EFF	ECTI	VITY -	CLEAN/INSP EICAS DISPLAY UNIT AIR INLET SCREEN
			31-41-01-4A 31-009-01 PAGE 3 OF 5 AUG 22/01

ARD NO.

SAS	
	TASK CARD

AIRLINE CARD NO.

31-009-01

		1						
MECH	INSP							
			(c) 11J29, EICAS CMPTR RIGHT					
			(d) 11J30, EICAS LOWER DSPL					
			(e) 11J31, EICAS DSPL SW					
			(f) 11J32, EICAS DSPL SELECT					
			2) Supply electrical power (AMM 24-22-00).					
			3) Make sure that the airplane parking brake is engaged.					
			$_{ m 4}$) Push and release the TEST switch on the EICAS MAINT panel.					
			5) Make sure that the TEST page shows on the display units.					
			5) After TEST IN PROGRESS message goes out of view, make sure that the UPPER DU FAIL and the LOWER DU FAIL messages do not show.					
			?) Push and release the TEST switch to go out of the TEST page.					
		D. Put the Airplane Back to Its Usual Condition						
			I) Push and release the left master CAUTION switch/light.					
			2) Clean the CRT face (AMM 34-22-00).					
		(3) Remove the electrical power if it is not necessary (AMM 24-22-00).						
EFF	ECTI	VITY -	CLEAN/INSP EICAS DISPLAY UNIT AIR INLET SCREEN					
			31-41-01-4A 31-009-01 PAGE 4 OF 5 MAY 10/9					
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STATION		1							BOE	ING CARD NO.	
TAIL NO.		-			\mathcal{O}	BOEIN	I G		31–0	51–01	
	DATE			S	AS					AIR	LINE CARD NO.
	DATE			-			TASK CARD				
SKILL		WORK AR	EA	REL	LATED TASK		INTERVAL		PHASE	MPD REV	TASK CARD
ELECT	г сі	REW CA	BIN				1C		11212	009	DEC 22/08
Т	TASK				Т	ITLE		STRUCTURAL ILLUSTRATION R	EFERENCE	AF AIRPLAN	PLICABILITY E ENGINE
OPER	RALIO	JNAL	IAKE	-0FF V	WARNING	SYSIEM				NOT	E ALL
	2	ZONES						ACCESS PANELS			
119	21′	1 212	2 312	2	119AL	312AR					
											MPD ITEM NUMBER
HECH IN											
	(OPERAT	TIONAL	LY CHE	έςκ τακ	E-OFF WA	RNING SYSTEM.			31-5	1-00-5в
		AIRPL	NE NO)TE: 1	THIS TA	SK IS AP	PLICABLE TO AL	L AIRPLANE			
				Ν	MODELS	ЕХСЕРТ Т	HE 767-400ER,	767-200SF,			
				ŀ	AND 767	-300BCF.					
	1	. <u>Tak</u>	<u>keoff</u>	Config	guratio	n Warnin	<u>g Test</u>				
		<u>N0</u>	<u>(E</u> : 1	This is	s a sch	eduled m	aintenance tas	sk.			
		Α.	Refe	References							
			(1)	AMM 2	24-22-0	0/201, E	lectrical Powe	er – Control			
			(2)	AMM 2	27-48-0	0/501, s	tabilizer Trim	n Position Indica	ting Sy	/stem	
			(3)	AMM 2	29-11-0	0/201, P	ressurize/Depr	essurize Main Hy	draulic	: Syst	em
			(4)	AMM 3	31-41-0	0/501, E	ngine Indicati	on and Crew Aler	ting Sy	vstem	(EICAS)
			(5)	AMM 3	32-09-02	2/201 , A	ir/Ground Rela	iys			
		В.	Acce	ess							
			(1)	Locat	tion Zo	nes					
				2	211/212	Flig	ht Compartment	:			
		C.	Prer	hare fo	or Test						
		•••	(1)	Suppl	lv elec	trical p	ower (AMM 24-2	2-00/201).			
			(2)	Make	sure t	he FICAS	operates (AMM	1 31-41-00/501)			
				Haite							
FFFF	°TTV	TTY 1					• • • • • • • • • • • • • • • • • • •				
							OPERATIONAL	TAKE-OFF WARNIN	G SYSTE	M	
							31-51-00-5в	31-051-01 P	AGE 1	OF 11	DEC 22/08

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AIRLINE CARD NO.

31-051-01

	A BOEING
SAS	767
	TASK CARD

MECH	INSP				
		D.	Take	off C	onfiguration Warning Signals Test
			(1)	0pen	these P11 panel circuit breakers:
				(a)	11J34, WARN ELEX A
				(b)	11B18, WARN ELEX B
				(c)	11J29, EICAS CMPTR R
			(2)	Set posi	the COMPUTER switch on the EICAS control panel to the L tion.
			(3)	Set posi	the left and right engine throttles fully forward to the takeoff tion.
				(a)	Make sure the siren aural warning is not on.
				(b)	Make sure the red CONFIG light is not on.
				(c)	Make sure the WARNING lights are not on.
					<u>NOTE</u> : If the WARNING lights are on, push the captain's or first officer's WARNING switch-light.
				(d)	Make sure these red EICAS messages do not show on the EICAS display:
					1) SPOILERS
					2) FLAPS
					3) PARKING BRAKE
					4) STABILIZER
			(4)	Clos	e this P11 panel circuit breaker:
				(a)	11J34, WARN ELEX A
			<u>WARN</u>	<u>ING</u> :	KEEP PERSONS AND EQUIPMENT CLEAR OF THE FLIGHT CONTROL SURFACES, THE THRUST REVERSERS, AND THE LANDING GEAR. THESE COMPONENTS CAN MOVE SUDDENLY WHEN YOU SUPPLY HYDRAULIC POWER. THIS CAN CAUSE INJURIES TO PERSONS AND DAMAGE TO EQUIPMENT.
EFF	ECTIVI	тү -			OPERATIONAL TAKE-OFE WARNING SYSTEM
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31-051-01

SAS DEING 767 TASK CARD

AIRLINE CARD NO.

MECH IN	ISP			
			(5)	Supply hydraulic power to the center system (AMM 29-11-00/201).
			(6)	Do these steps to set the airplane in the takeoff configuration:
				<pre>(a) 767-200 AIRPLANES; Set the flap lever to the takeoff position between 1 and 20 units.</pre>
				<pre>(b) 767-300 AIRPLANES; Set the flap lever to the takeoff position between 5 and 20 units.</pre>
				(c) Make sure the LE ALTN and TE ALTN switch indicators are in the normal positions (lights off).
				(d) Make sure the ALTN FLAPS switch is in the NORM position.
				(e) Make sure the parking brake is off.
				(f) Make sure the STAB TRIM indicator is in the green band range.
				(g) Make sure the SPEED BRAKE control is in the DOWN position.
			(7)	Hold the CONFIG switch on the TEST panel in the T/O position.
				(a) Make sure the red CONFIG light is not on.
				(b) Make sure the WARNING lights are off.
				(c) Make sure the siren aural warning is not on.
				(d) Make sure these red EICAS messages do not show on the EICAS display:
				1) SPOILERS
				2) FLAPS
				3) PARKING BRAKE
				4) STABILIZER
			(8)	Release the CONFIG switch.
			(9)	Set the parking brake to on.
		Ε.	Powe	r Supply Interface Test
EFFEC	CTIVI	тү -		OPERATIONAL TAKE-OFE WARNING SYSTEM

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SAS CARD

AIRLINE CARD NO.

			TASK CARD
MECI	H INSP		
		(1)	Push the TEST switch on the EICAS MAINT control panel:
			(a) Make sure the red CONFIG light comes on.
			(b) Make sure the WARNING lights come on.
			(c) Make sure the siren aural warning comes on during the test.
		(2)	Push the TEST switch on the EICAS MAINT control panel again in less than 3 seconds to cancel the EICAS test.
			(a) Make sure the EICAS message, PARKING BRAKE, shows on the EICAS display.
			<u>NOTE</u> : The red PARKING BRAKE message will show if you push the TEST switch again in less than 6 seconds. After 6 seconds, only the yellow PARKING BRAKE message will show.
		(3)	Open these P11 panel circuit breakers:
			(a) 11J2, EICAS CMPTR L
			(b) 11J34, WARN ELEX A
		(4)	Close these P11 panel circuit breakers:
			(a) 11B18, WARN ELEX B
			(b) 11J29, EICAS CMPTR R
		(5)	Set the COMPUTER switch on the EICAS control panel to the R position.
		(6)	Push the TEST switch on the EICAS MAINT control panel:
			(a) Make sure the red CONFIG light comes on.
			(b) Make sure the WARNING lights come on.
			(c) Make sure the siren aural warning comes on during the test.
		(7)	Push the TEST switch on the EICAS MAINT control panel again in less than 3 seconds to cancel the EICAS test.
EF	FECTI	VITY	OPERATIONAL TAKE-OFF WARNING SYSTEM
			31-51-00-5B 31-051-01 PAGE 4 OF 11 AUG 22/01
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RD NO.

31-051-01

AIRLINE CARD NO.

MECH	INSP	_										
				(a)	Make s displa	ure the y.	EICAS messa	age,	PARKING BRAK	E, shows	on th	e EICAS
					<u>NOTE</u> :	The red the TES seconds show.	PARKING BR T switch ag , only the	AKE gain yel	message will in less than low PARKING B	show if 6 secon RAKE mes	you p ds. A sage w	oush fter 6 Mill
			(8)	Close	e these	P11 pan	el circuit	bre	akers:			
				(a)	11J2,	EICAS C	MPTR L					
				(b)	11J34,	WARN E	LEX A					
		F.	Park	ing Bı	rake In	terface	Test					
			<u>NOTE</u>	: Dui EI the	ring th CAS mess e CONFI	is test sages wi G switch	you will do ll show for in the T/C	o a on) po	check for EIC ly 5-15 secon sition.	AS messa ds from (ges. when y	The rou hold
			(1)	Set [·]	the parl	king bra	ke to off.					
			(2)	Hold	the CO	NFIG swi	tch on the	TES	T panel in th	e T/O po	sition	
				(a)	Make su the EI and R p	ure the CAS disp position	EICAS messa lay when th s.	age, ne E	PARKING BRAK ICAS COMPUTER	E, does i switch	not sh is in	ow on the L
			(3)	Relea	ase the	CONFIG	switch.					
			(4)	Set '	the parl	king bra	ke to on.					
		G.	Flap	s, Sla	ats, and	d Disagr	ee Interfac	e T	est			
			<u>WARN</u>	<u>ING</u> :	KEEP PI SURFACI COMPONI THIS CA	ERSONS A ES, THE ENTS CAN AN CAUSE	ND EQUIPMEN THRUST REVE MOVE SUDDE INJURIES 1	IT C ERSE ENLY TO P	LEAR OF THE F RS, AND THE L WHEN YOU SUP ERSONS AND DA	LIGHT CO ANDING G PLY HYDR MAGE TO I	NTROL EAR. AULIC EQUIPM	THESE POWER. IENT.
			(1)	Supp	ly hydra	aulic po	wer to the	cen	ter system (A	MM 29-11	-00/20	1).
			(2)	Make norma	sure t al posi	he LE AL tion (li	TN and TE A ghts off).	LTN	switch indic	ators ar	e in t	he
EFF	ECTI	VITY -									тгм	
		-					UPERALIUNA	۱L	IAKE-UFF WAR	NTING 212	ı ⊏I''İ	
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31-051-01

	A BOEING
SAS	767
	TASK CARD

AIRLINE CARD NO.

			TASK CARD
MECH	INSP	-	
		(3)	Set the flap lever to the 5-unit position.
			(a) Let the flaps and slats move to the 5-unit position.
		(4)	Make sure the ALTN FLAPS switch is in the NORM position.
		(5)	Remove hydraulic power from the center system (AMM 29–11–00/201).
		(6)	Hold the CONFIG switch on the P61 TEST panel in the T/O position.
			(a) Make sure the EICAS message, FLAPS, does not show on the EICAS display when the EICAS COMPUTER switch is in the L and R positions.
		(7)	Release the CONFIG switch.
		(8)	Set the flap lever to the 15-unit position.
			<u>NOTE</u> : The flaps and slats will stay at the 5-unit position.
		(9)	Hold the CONFIG switch on the P61 test panel in the T/O position.
			(a) Make sure the EICAS message, FLAPS, shows on the EICAS display when the EICAS COMPUTER switch is in the L and R positions.
		(10)	Release the CONFIG switch.
		WARN	ING: KEEP PERSONS AND EQUIPMENT CLEAR OF THE FLIGHT CONTROL SURFACES, THE THRUST REVERSERS, AND THE LANDING GEAR. THESE COMPONENTS CAN MOVE SUDDENLY WHEN YOU SUPPLY HYDRAULIC POWER. THIS CAN CAUSE INJURIES TO PERSONS AND DAMAGE TO EQUIPMENT.
		(11)	Supply hydraulic power to the center system (AMM 29–11–00/201).
			(a) Let the flaps and slats move to the 15-unit position.
		(12)	Put the LE switch in the ALTN position.
		(13)	Put the flap lever in the 25-unit position.
			(a) Let the flaps move to the 25-unit position.
		(14)	Hold the CONFIG switch on the P61 test panel in the T/O position.
EFF	ECTI	VITY	OPERATIONAL TAKE-OFF WARNING SYSTEM

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MECH	INSP		
			(a) Make sure the EICAS message, FLAPS, shows on the EICAS display when the EICAS COMPUTER switch is in the L and R positions.
		(15)	Release the CONFIG switch.
		(16)	Put the LE ALTN switch in the normal position (light off).
			(a) Let the slats move to the 25-unit position.
		(17)	Put the LE ALTN switch in the ALTN position.
		(18)	Put the flap lever in the 5-unit position.
			(a) Let the flaps move to the 5-unit position.
		(19)	Hold the CONFIG switch on the TEST panel in the T/O position.
			(a) Make sure the EICAS message, FLAPS, shows on the EICAS display when the EICAS COMPUTER switch is in the L and R positions.
		(20)	Release the CONFIG switch.
		(21)	Put the LE ALTN switch in the normal position (light off).
			(a) Let the slats move to the 5-unit position.
		(22)	Set the flap lever to the O-unit position.
			(a) Let the flaps and slats move to the fully retracted position.
		(23)	Set the flap lever to the 1-unit position.
			(a) Let the slats move to the 1-unit position.
		(24)	Hold the CONFIG switch on the P61 test panel in the T/O position.
			(a) 767–200 AIRPLANES; Make sure the EICAS message, FLAPS, does not show on the EICAS display when the EICAS COMPUTER switch is in the L and R positions.
			(b) 767–300 AIRPLANES; Make sure the EICAS message, FLAPS, shows on the EICAS display when the EICAS COMPUTER switch is in the L and R positions.
		(25)	Release the CONFIG switch.
EFF	ECTI	VITY	OPERATIONAL TAKE-OFF WARNING SYSTEM

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SAS

AIRLINE CARD NO.

31-051-01

			TASK CARD				
MECH	INSP						
		(26)	Put the flap lever in the 5-unit position.				
			(a) Let the flaps move to the 5-unit position.				
		(27)	Hold the CONFIG switch on the TEST panel in the T/O position.				
			(a) Make sure the EICAS message, FLAPS, does not show on the EICAS display when the EICAS COMPUTER switch is in the L and R positions.				
		(28)	Release the CONFIG switch.				
		(29)	Set the flap lever to O-unit position.				
			(a) Let the flaps and slats move to the fully retracted position.				
			(b) Hold the CONFIG switch on the TEST panel in the T/O position.				
	1) Make sure the EICAS message, FLAPS, shows on the EICAS display when EICAS COMPUTER switch is in the L and R position.						
		H. Spo	ler Interface Test				
		(1)	Make sure the SPEED BRAKE lever is in the DOWN position.				
		(2)	Hold the CONFIG switch on the P61 test panel in the T/O position.				
	(a) Make sure the red EICAS message, SPOILERS, message does not show on the EICAS display when the EICAS COMPUTER switch is i the L and R positions.						
		(3)	Release the CONFIG switch.				
		(4)	Put the SPEED BRAKE lever in the UP position.				
		(5)	Hold the CONFIG switch on the TEST panel in the T/O position.				
			(a) Make sure the red EICAS message, SPOILERS, shows on the EICAS display when the EICAS COMPUTER switch is in the L and R positions.				
		(6)	Release the CONFIG switch.				
		(7)	Put the SPEED BRAKE lever in the DOWN position.				
		I. Air/Ground Relay Interface Test					
EFF	ECTI	VITY	OPERATIONAL TAKE-OFF WARNING SYSTEM				

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SAS 767 TASK CARD

AIRLINE CARD NO.

				TASK CARD
MECH	INSP			
			WARNING:	PREPARE THE SAFETY-SENSITIVE SYSTEMS FOR THE AIR MODE BEFORE YOU OPEN THE AIR/GROUND CIRCUIT BREAKERS. IN THE AIR MODE, MANY OF THE AIRPLANE SYSTEMS CAN OPERATE. THIS CAN CAUSE INJURIES TO PERSONS AND DAMAGE TO EQUIPMENT CAN OCCUR.
			(1) Prepa (AMM	are the safety-sensitive systems for air mode simulation 32–09–02/201).
			(2) Open	these P11 panel circuit breakers:
			(a)	11C29, LANDING GEAR POSITION AIR/GND SYS 2 ALT (if installed)
			(b)	11U23 OR 11U24, LANDING GEAR POSITION AIR/GND SYS 2
			(3) Hold	the CONFIG switch on the P61 test panel in the T/O position.
			(a)	Make sure that these red EICAS messages do not show on the EICAS display when the EICAS COMPUTER switch is in the L and R positions.
				1) SPOILERS
				2) FLAPS
				3) PARKING BRAKE
				4) STABILIZER
			(4) Close	e these P11 panel circuit breakers:
			(a)	11C29, LANDING GEAR POSITION AIR/GND SYS 2 ALT (if installed)
			(b)	11U23 OR 11U24, LANDING GEAR POSITION AIR/GND SYS 2
		J.	Stabilizer	<pre>r Interface Test</pre>
			WARNING:	KEEP PERSONS AND EQUIPMENT CLEAR OF THE FLIGHT CONTROL SURFACES, THE THRUST REVERSERS, AND THE LANDING GEAR. THESE COMPONENTS CAN MOVE SUDDENLY WHEN YOU SUPPLY HYDRAULIC POWER. THIS CAN CAUSE INJURIES TO PERSONS AND DAMAGE TO EQUIPMENT.
			(1) Supp	ly hydraulic power to the center system (AMM 29–11–00/201).
EFF	ECTI	VITY -		OPERATIONAL TAKE-OFF WARNING SYSTEM

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	A BOEING
SAS	767
	TASK CARD

AIRLINE CARD NO.

MECH	INSP										
			(2)	Set the flap lever to the 5-unit position.							
				(a) Let the flaps and slats move to the 5-unit positon.							
			(3)	Make sure the LE ALTN and TE ALTN switch indicators are in the normal positions (lights off).							
			(4)	Make sure the L and C STAB TRIM shut off switches on the aisle control stand are in the NORM positions.							
			(5)	Use the control wheel STAB TRIM controls to move the stabilizer such that the stabilizer trim position indicator is in the green band (AMM 27–48–00/501).							
			(6)	Hold the CONFIG switch on the P61 test panel in the T/O position.							
				(a) Make sure the EICAS message, STABILIZER, does not show on the EICAS display when the EICAS COMPUTER switch is in the L and R positions.							
			(7)	Release the CONFIG switch.							
			(8)	Use the control wheel STAB TRIM controls to move the stabilizer such that the stabilizer trim position indicator is equal or greater than 1/2 unit "NOSE UP" of the trim outside the green band.							
			(9)	Hold the CONFIG switch on the P61 test panel in the T/O position.							
				(a) Make sure the EICAS message, STABILIZER, shows on the EICAS display when the EICAS COMPUTER switch is in the L and then R positions.							
			(10)	Release the CONFIG switch.							
		К.	Put	the Airplane Back to Its Usual Condition							
			(1)	Return the flaps and slats to their usual position.							
			(2)	Set the parking brake to on.							
					(3)	Set the left and right engine throttles to the idle positions.					
			(4)	Put the safety-sensitive systems back to the initial conditions (AMM 32–09–02/201).							
		(5) Remove hydraulic power from the center system if it is not neces (AMM 29–11–00/201).									
EFF	ECTI	/ITY		OPERATIONAL TAKE-OFF WARNING SYSTEM							
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31-051-01

AIRLINE CARD NO.

MECH	INSP						
		(4)	Domovo algotnical n	ouon if it io	not noocconv		
		(6)	(AMM 24-22-00/201).	ower if it is	not necessary		
EFF	ECTI	VITY		OPERATIONAL	TAKE-OFF WARN	ING SYSTEM	
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