

UNLESS OTHERWISE SPECIFIED:

1. SCOPE

- 1.1. THIS DRAWING DEFINES THE METHOD BY WHICH KORRY 433 LED PUSHBUTTON SWITCHES, PN 433-673-1006-6XXX, REPLACE KORRY 433 INCANDESCENT PUSHBUTTON SWITCHES BEARING PN 433-673-1004-4XXX ON BOEING 767-200, -200ER, -300 ER AIRCRAFT.
- 1.2 KORRY PART NUMBERS 433-673-1004-4XXX AND 433-673-1006-6XXX ARE DIRECTLY INTERCHANGEABLE. THE XXX PORTION OF THE PART NUMBER IS DIRECTLY CORRELATABLE BETWEEN THE TWO SERIES AND COMMUNICATES CAP LEGEND, COLOR AND TYPE OF INDICATOR SWITCH. SEE TABLE 1.

NOTE: MASTER MODULE PART NUMBERS ARE THE SAME FOR THE LED AND INCANDESCENT VERSIONS.

- 1.3 SWITCHES BEARING PART NUMBER 433-673-1004-4XXX MAY BE MODIFIED TO THE 433-673-1006-6XXX CONFIGURATION BY REPLACING THE CAP AND CIRCUIT MODULE ASSEMBLIES AS SHOWN IN TABLE 1. HOWEVER, FOR EVALUATION PURPOSES AND ONLY ON THE FIRST MODIFIED AIRCRAFT, THE CAP, CIRCUIT MODULE AND MASTER MODULE ASSEMBLIES SHALL BE REPLACED. THE TERMINAL MODULE AND MOUNTING SLEEVE ASSEMBLIES MAY BE REPLACED WHERE NECESSARY. THE FOLLOWING PART NUMBERS ARE USED:
TERMINAL MODULE : 13986-001
MOUNTING SLEEVE : 433-031-002

NOTE : TERMINAL MODULE AND MOUNTING SLEEVE PART NUMBERS ARE THE SAME FOR THE LED AND THE INCANDESCENT VERSIONS.

- 1.4 INCANDESCENT PUSHBUTTON SWITCH ASSEMBLIES AND LED PUSHBUTTON SWITCH ASSEMBLIES MAY BE INTERMIXED WITHIN THE COCKPIT DISPLAY SYSTEM.
- 1.5 STRUCTURAL CHANGES TO THE AIRCRAFT ARE NOT APPLICABLE.
- 1.6 WIRING CHANGES TO THE AIRCRAFT ARE NOT APPLICABLE.
- 1.7 AIRCRAFT WEIGHT AND BALANCE ARE UNAFFECTED.
- 1.8 INDICATED SWITCH POSITIONS WILL HAVE THE INCANDESCENT PUSHBUTTON SWITCH REMOVED AND REPLACED WITH A LED PUSHBUTTON SWITCH FOR GROUND AND FLIGHT EVALUATIONS OF THE FIRST MODIFIED AIRCRAFT.

2. REFERENCE DOCUMENTS

- 2.1 FOR 433 LED PUSHBUTTON SWITCH SPECIFICATIONS SEE KORRY DOCUMENT 18250.
- 2.2 FOR OUTLINE AND DIMENSIONS, SCHEMATICS AND OTHER INFORMATION PERTINENT TO THE 433 LED PUSHBUTTON SWITCH, SEE KORRY DRAWING 433-673-1006.
- 2.3 FOR CERTIFICATION GROUND TEST PROCEDURE ON INITIAL INSTALLATION ONLY, SEE KORRY DOCUMENT 18129.
- 2.4 FOR CERTIFICATION FLIGHT TEST PROCEDURE ON INITIAL INSTALLATION ONLY, SEE KORRY DOCUMENT 18130.
- 2.5 FOR ELECTRICAL LOAD ANALYSIS SEE KORRY DOCUMENT 18131.
- 2.6 COMPONENT MAINTENANCE MANUAL FOR LIGHTED PUSHBUTTON SWITCH ASSEMBLY, DOCUMENT # 33-10-20, DATED DEC 16/94.

3. AIRCRAFT MODIFICATION INSTRUCTIONS:

3.1 EQUIPMENT REQUIRED:

- 3.1.1 FLAT TIP SCREWDRIVER - TIP .080" X .020
- 3.1.2 TORQUE WRENCH WITH 20 ± 2 IN OZ ACCURACY.
- 3.1.3 PIN EXTRACTOR - M81969/14-02.

3.2 REMOVAL/DISASSEMBLY INSTRUCTIONS:

WARNING: TURN OFF LIGHTING AND EQUIPMENT POWER USED BY PUSHBUTTON SWITCH. INJURY TO PERSONNEL OR DAMAGE TO EQUIPMENT CAN RESULT FROM INADVERTENT USE OF PUSHBUTTON DURING DISASSEMBLY.

CAUTION: ENSURE THAT THE SWITCH IS IN THE OFF (OR EXTENDED) POSITION. FAILURE TO DO SO CAN RESULT IN DAMAGE TO THE SWITCH ASSEMBLY.

- 3.2.1 TURN OFF ALL POWER TO PUSHBUTTON SWITCH BY EITHER PULLING THE APPROPRIATE CIRCUIT BREAKER, DISCONNECTING THE LRU CONNECTOR(S), OR SWITCHING STANDBY POWER AND BATTERY TO OFF.
- 3.2.2 IF THE SWITCH IS AN ALTERNATE ACTION TYPE, PLACE SWITCH IN OFF (OR EXTENDED) POSITION.
- 3.2.3 GRIP SIDES OF THE CAP ASSEMBLY THAT PROTRUDE IN FRONT, AND EXERT A STEADY PULLING FORCE. THIS WILL DISENGAGE THE CAP ASSEMBLY FROM THE MASTER MODULE. THE CAP CAN THEN BE ROTATED CLEAR OF THE BASE ASSEMBLY ON THE BAIL WIRE.
- 3.2.4 USE A SMALL, FLAT BLADE SCREWDRIVER TO CAREFULLY TURN THE TWO MOUNTING SCREWS (INSIDE THE SWITCH HOUSING) LOCATED ON THE MASTER MODULE COUNTERCLOCKWISE TO THEIR FULL TRAVEL. REF CMM (PARA 2.6) FIGURE 302.

3. REMOVAL/DISASSEMBLY INSTRUCTIONS (CON'T)

NOTE: MOUNTING SCREWS ON THE 1000 SERIES PUSHBUTTON HAVE NO BOTTOMING STOP. AT END OF TRAVEL MOUNTING SCREWS TURN FREELY. IF A 1000 SERIES SWITCH IS ENCOUNTERED, REMOVE AND REPLACE THE ENTIRE SWITCH ASSEMBLY.

- 3.2.5 REMOVE CAP ASSEMBLY, MASTER MODULE ASSEMBLY AND CIRCUIT MODULE ASSEMBLY FROM THE SWITCH MODULE HOUSING BY 1) GRASPING THE CAP ASSEMBLY WITH YOUR INDEX FINGER LOCATED THROUGH THE BAIL TO CRADLE THE CAP OR 2) GRASPING ONE OF THE LAMP CONTACTS WITH NEEDLE NOSE PLIERS, THEN EXERTING STEADY PULLING FORCE UNTIL THE MASTER MODULE ASSEMBLY IS DISENGAGED FROM THE POKE HOME CONNECTOR OF THE HOUSING

CAUTION: DO NOT USE EXCESSIVE FORCE WHEN REMOVING MASTER MODULE ASSEMBLY. IF ASSEMBLY DOES NOT SLIDE OUT, CHECK TO SEE IF THE TWO MOUNTING SCREWS ARE AT THE END OF THEIR TRAVEL. IF SCREWS ARE NOT AT THE END OF TRAVEL POSITION, REPEAT 3.2.4.

- 3.2.6 IF CAP ASSEMBLY, CIRCUIT MODULE AND MASTER MODULE ASSEMBLIES ARE TO BE REPLACED WITH NEW LED REPLACEMENTS, DISASSEMBLY IS COMPLETE. RETAIN REMOVED HARDWARE FOR RETURN TO STORES AND PROCEED WITH PARA 3.3. IF THE MASTER MODULE ASSEMBLY IS NOT TO BE REPLACED, PROCEED WITH PARA 3.2.7. IF THE ENTIRE SWITCH IS TO BE REPLACED, PROCEED WITH PARA 3.2.9.

- 3.2.7 REMOVE CAP ASSEMBLY BAIL WIRES FROM THE MASTER MODULE ASSEMBLY BY GRASPING THE CAP AND PULLING IT AND THE MASTER MODULE AWAY FROM EACH OTHER UNTIL THE BAIL REACHES ITS MECHANICAL STOP. PIVOT THE CAP UNTIL THE BAIL IS AT 30 TO 40° ANGLE TO THE MASTER MODULE ASSEMBLY, THEN PUSH THE BAIL WIRES IN AN OUTWARD DIRECTION UNTIL THE BAIL WIRE IS DISENGAGED FROM THE MASTER MODULE GUIDE BOSSES. REFERENCE CMM (PARA 2.6) FIGURE 303.

- 3.2.8 REMOVE CIRCUIT MODULE ASSEMBLY FROM THE MASTER MODULE ASSEMBLY BY GRASPING THE EDGES OF THE CIRCUIT MODULE ASSEMBLY AND THEN EXERT A STEADY PULLING FORCE STRAIGHT BACK. IF THE FIT IS TIGHT, ALTERNATE THE PULLING FORCE FROM LEFT TO RIGHT TO WALK THE MODULE BACK. THIS COMPLETES DISASSEMBLY. RETAIN MASTER MODULE FOR REASSEMBLY WITH LED CAP AND LED CIRCUIT MODULE ASSEMBLIES. RETAIN INCANDESCENT CAP AND INCANDESCENT MODULE ASSEMBLIES FOR RETURN TO STORES.

CAUTION: DO NOT PULL THE CIRCUIT MODULE ASSEMBLY IN AN UPWARD DIRECTION. PULLING IN AN UPWARD DIRECTION WILL CAUSE CONTACT PINS TO BEND.

- 3.2.9 TO REMOVE SWITCH HOUSING FROM AIRCRAFT PANEL, REMOVE LIGHT PLATE, IF APPLICABLE.
- 3.2.10 IF APPLICABLE, REMOVE PUSHBUTTON FLIP GUARD BY PULLING THE FRONT EDGE OF THE HOUSING ASSEMBLY FORWARD APPROXIMATELY 1/4 INCH FROM THE PANEL. AFTER THE ASSEMBLY HAS BEEN PULLED FORWARD, SPREAD THE BASE OF THE FLIP GUARD AND PUSH AGAINST THE FLIP GUARD HINGE UNTIL THE FLIP GUARD FRAME IS FREE OF THE SWITCH HOUSING. REFERENCE CMM (PARA 2.6) FIGURE 304.
- 3.2.11 USING A M81969/14-02 EXTRACTION TOOL, REMOVE ALL CONNECTOR PINS FROM THE TERMINAL CONNECTOR (TAG WIRES FOR ASSEMBLY) THEN, WHILE FIRMLY HOLDING THE MOUNTING SLEEVE, PULL HOUSING ASSEMBLY FORWARD THROUGH THE PANEL OPENING. THIS COMPLETES DISASSEMBLY, RETAIN ALL PIECES FOR DISPOSITION.

NOTE: ALL SWITCH ASSEMBLIES USE THE SAME HOUSING ASSEMBLY AND MOUNTING SLEEVE.

NOTES CONTINUED ON SHEET 2

REV		DESCRIPTION	DATE (YY-MM-DD)	APPROVED
-	-	RELEASE TO REV. (-) WITHOUT CHANGE FROM REV. 6	CLA 97-05-15	HIN 97/6/30
A	A	REDRAWN WITH CHANGES PER KCR# 79609.	CLA 98-01-20	<i>[Signature]</i>

NOTE 2
 ADD (CONNECTOR) 434 TO FRONT OF PLW FOR ASSY
 ADD (SWITCH HOUSING) 433 TO FRONT OF PLW FOR ASSY

(CADKEY) D:\SKIDMORE\SSS	LAYOUT	NEXT ASSY	USED ON
DATE AND USER			
CAD INFORMATION			

PNIC	433	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
TOLERANCES ON		2 PLACE	3 PLACE	ANGLES
		± .001	± .0005	± .001
MATERIAL				
FINISH				
DATE AND USER				
APP. ENGR		CHK ENGR	DESIGN ENGR	DATE
M.G.	H.G.	R. HEIZ		6/24/97

REV STATUS OF SHEETS	REV	A	A	-	-	-	-	-	-	-	-	-	-	-	-
SHEET	1	2	3	4	5	6	7	8	9	10	11				
CONTRACT NUMBER	Esterline KORRY Esterline Technologies Corporation 8000 West Orange Ave. Suite 100, Orlando, FL 32835														
CONTRACTOR	Esterline Technologies Corporation														
TITLE	INSTALLATION DRAWING FOR KORRY LED LIGHTED PUSHBUTTON SWITCH INDICATOR ON BOEING 767 AIRCRAFT														
SCALE	NONE		UNIT WEIGHT												
DATE	8/15/90		DRAWING NO	18277											
REV	A		SHEET	1 OF 11											

REV.	DATE	BY	1
REVISION			DATE (YY-MM-DD)
NO.	DATE	DESCRIPTION	APPROVED

3.3 ASSEMBLY/INSTALLATION INSTRUCTIONS

WARNING: TURN OFF LIGHTING AND EQUIPMENT POWER USED BY PUSHBUTTON SWITCH. INJURY TO PERSONNEL OR DAMAGE TO EQUIPMENT CAN RESULT FROM INADVERTENT USE OF PUSHBUTTON DURING ASSEMBLY.

ASSEMBLY/INSTALLATION PROCEDURE MUST BE CUSTOMIZED TO FIT THE 3 OPTIONAL MEANS OF CHANGING FROM AN INCANDESCENT PUSHBUTTON SWITCH TO A LED PUSHBUTTON SWITCH. THE OPTIONS ARE:

- 1) REPLACE THE ENTIRE SWITCH,
- 2) REPLACE CAP, CIRCUIT MODULE AND MASTER MODULE ASSEMBLIES, AND,
- 3) REPLACE CAP AND CIRCUIT MODULE ASSEMBLIES ONLY.

OPTIONS 1 AND 2 ARE PREFERRED TO OPTION 3.

3.3.1 DISASSEMBLE THE 433-673-1006-6XXX SWITCH TO BE INSTALLED TO THE LEVEL SPECIFIED BELOW:

- (A) OPTION 1: REMOVE INTERNAL ASSEMBLIES IN ACCORDANCE WITH PARAGRAPH 3.2.1 THROUGH 3.2.5 AND THEN REMOVE MOUNTING SLEEVE, PER PARAGRAPH 3.2.9 TO 3.2.11.
- OPTION 2: DISASSEMBLE THE 433-673-1006-6XXX SWITCH THROUGH PARAGRAPH 3.2.5 ONLY. PROCEED WITH PARAGRAPH 3.3.5.
- (A) OPTION 3: DISASSEMBLE THE 433-673-1006-6XXX SWITCH THROUGH PARAGRAPH 3.2.8 AND RE-ASSEMBLE PER PARA 3.3.2 USING THE OLD MASTER MODULE ASSEMBLY WITH CAP 673-1006-6XXX AND CIRCUIT MODULE 17730-XXX.

3.3.2 OPTION 3 ONLY:

- (1) INSTALL CIRCUIT MODULE ASSEMBLY 17730-XXX ONTO MASTER MODULE ASSEMBLY BY ALIGNING THE CIRCUIT MODULE WITH THE FIVE CONTACT PINS ON TOP OF THE MASTER MODULE AND THEN PUSH THE CIRCUIT MODULE STRAIGHT IN UNTIL THE CONNECTOR IS FULLY ENGAGED WITH THE MASTER MODULE CONTACT PINS.
- NOTE: EACH CIRCUIT MODULE ASSEMBLY TYPE IS KEYED FOR A SPECIFIC MASTER MODULE ASSEMBLY. SEE TABLE 1.
- (2) INSTALL CAP ASSEMBLY 673-1006-6XXX ONTO MASTER MODULE BY ALIGNING THE ENDS OF BOTH BAIL WIRES WITH THE GUIDE BOSSES (LOCATED ON THE TOP OF THE MASTER MODULE), THEN PIVOTING THE WIRES UNTIL THEY ARE 30 TO 40° ANGLE WITH THE MASTER MODULE ASSEMBLY AND APPLYING AN INWARD FORCE TO SNAP BAIL WIRES INTO PLACE. REFERENCE CMM (PARA. 2.6) FIGURE 303. SLIDE THE BAIL WIRE SEVERAL TIMES IN THE GUIDE BOSSES TO ENSURE SMOOTH ACTION. PROCEED WITH PARA 3.3.5

3.3.3 OPTION 1 ONLY:

- (1) INSERT HOUSING ASSEMBLY INTO THE FRONT OF THE PANEL TAKING CARE TO ORIENT THE TOP OF THE HOUSING ASSEMBLY IN THE PROPER DIRECTION. ALIGN MOUNTING SLEEVE "TOP" WITH "TOP" OF HOUSING ASSEMBLY AND THEN SLIP THE SLEEVE OVER THE BACK OF THE HOUSING ASSEMBLY UNTIL IT SEATS AGAINST THE PANEL.
- (A) NOTE: DETENT ON MOUNTING SLEEVE CLIPS INTO ONE OF THE TWO WINDOWS ON HOUSING ASSEMBLY. FOR SINGLE WALL PANEL USE FRONT WINDOW. FOR DOUBLE WALL PANEL USE REAR WINDOW. REFERENCE CMM (PARA. 2.6) FIGURE 701.
- (A) (2) CONNECT WIRES REMOVED IN PARAGRAPH 3.2.11 TO BASE ASSEMBLY USING THE TERMINAL INSERTION TOOL MB1969/14-02. ENSURE WIRES (MARKED WITH TAGS ON DISASSEMBLY) ARE CONNECTED IN THE PROPER PIN LOCATIONS.

3.3.4 OPTION 1 ONLY:

INSTALL PUSHBUTTON FLIPGUARD, IF APPLICABLE, BY PULLING THE FRONT EDGE OF THE HOUSING FORWARD APPROXIMATELY 1/4 INCH FROM THE PANEL. SPREAD THE LEGS OF THE FLIPGUARD FRAME THEN SLIP THE FLIPGUARD OVER THE FRONT EDGES OF THE HOUSING ASSEMBLY. THE HINGED SIDE OF THE GUARD SHOULD BE ALIGNED WITH THE TOP OF THE HOUSING ASSEMBLY. REFERENCE CMM (PARA. 2.6) FIGURE 304.

3.3.5 INSTALL MASTER MODULE ASSEMBLY INTO HOUSING ASSEMBLY INSTALLED IN AIRCRAFT PANEL. ALIGN CONTACTS ON THE CIRCUIT MODULE WITH THE ALTERNATING CONTACTS INSIDE THE HOUSING ASSEMBLY. INSERT THE MASTER MODULE ASSEMBLY BY PUSHING FIRMLY WITH THE INDEX FINGER UNTIL HOUSING AND MODULE CONTACTS MATE.

NOTE: ENSURE THAT BOTH MOUNTING SCREWS ARE AT THEIR COUNTERCLOCKWISE END OF TRAVEL BEFORE INSTALLING MASTER MODULE ASSEMBLY. THE ASSEMBLY WILL NOT SLIDE INTO SWITCH HOUSING IF THE MOUNTING SCREW CAMS PROTRUDE FROM THE SIDES OF THE MASTER MODULE.

NOTE: DO NOT USE THE CAP AS A TOOL TO REINSERT THE MASTER MODULE INTO THE HOUSING ASSEMBLY.

NOTE: PRIOR TO INSTALLING 433-673-1006-6XXX LOCKOUT MASTER MODULES, VERIFY CAP RETENTION MECHANISM CAM FOLLOWER SPRING IS IN ITS TRACK. REFERENCE CMM (PARA 2.6) FIGURE 703.

3.3.6 TURN THE MOUNTING SCREWS CLOCKWISE TO DRAW THE ASSEMBLY TOGETHER. A MOUNTING TORQUE OF 20 ± 2 INCH OUNCES IS USED FOR THE FINAL FASTENING.

3.3.7 INSTALL CAP ASSEMBLY INTO HOUSING ASSEMBLY BY PIVOTING THE CAP TO ALIGN BOTH UNITS AND THEN PUSH FORWARD FIRMLY ON THE CAP UNTIL THE BALL AND SOCKET CONNECTION POINTS MATE.

3.3.8 ACTUATE THE SWITCH SEVERAL TIMES AND VERIFY NORMAL MECHANICAL OPERATION.

3.3.9 COMPLETE ALL SWITCH INSTALLATIONS AND THEN REENERGIZE SWITCH AND EQUIPMENT POWER.

3.3.10 PERFORM CERTIFICATION GROUND TEST PROCEDURE PER KORY DOCUMENT 18129.

3.3.11 PERFORM CERTIFICATION FLIGHT TEST PROCEDURE PER KORY DOCUMENT 18130.

3.3.12 MODIFICATION COMPLETE.

4 TABLE 1, LEGEND CODE:
 1B: LETTERS NOT VISIBLE UNTIL ILLUMINATED.
 8G2: WHITE LETTERS VISIBLE AT ALL TIME. LIGHTED LETTERS ON BLACK BACKGROUND.
 2A3: WHITE LETTERS VISIBLE AT ALL TIMES. NON-ILLUMINATED LETTERS ON BLACK BACKGROUND.

5 THE "/" SYMBOL IS USED TO DIFFERENTIATE BETWEEN THE "A" AND "B" SWITCH LEGEND CIRCUITS. WITH EXCEPTION OF THE CIRCUIT MODULE TYPE COLUMN THE CONVENTION IS THAT "A" PRECEEDS "B" AS IN "A/B".

6 TABLE 1 APPLICATION LEGEND
 MIP = MAIN INSTRUMENT PANEL
 OHP = OVERHEAD PANEL
 CSP = CONTROL PEDESTAL
 AP = AUXILIARY PANEL
 GS = GLARE SHIELD

DRAWING AND INFO		11/10/17	FILE	ONE CODE	INC NO	REV
CAD INFO			D	81590	18277	A
			REV	NOE	SHEET	2

DC AC	DC	REV.
REVISED		
DATE	BY	APPROVED

TABLE I
INCANDESCENT TO LED PUSHBUTTON SWITCH CROSS REFERENCE

ITEM NO.	QTY PER B767			END ITEM DASH NO.	CAP ASSY PN		CIRCUIT MODULE PN		MASTER MODULE PN	CIRCUIT MODULE TYPE	LEGEND CODE 4 5	SWITCH ACTION	LEGEND COLOR 5	LEGEND 5	APPLICATION 6
	-200	-200ER	-300ER		LAMPS	LEDS	LAMPS	LEDS							
1	2	2	2	X001	673-1004-4001	673-1006-6001	433-097-003	17730-001	13206-001	I/III	8G2/2A3	ALT	WHT/WHT	ALTN/----	MIP = EFI SOURCE SELECT (L & R)
1	2	2	2	X001	673-1004-4001	673-1006-6001	433-097-003	17730-001	13206-001	I/III	8G2/2A3	ALT	WHT/WHT	ALTN/----	MIP = IRS SOURCE SELECT (L & R)
1	-	-	2	X001	673-1004-4001	673-1006-6001	433-097-003	17730-001	13206-001	I/III	8G2/2A3	ALT	WHT/WHT	ALTN/----	MIP = AIR DATA SOURCE SELECT (L & R)
1	2	-	-	X001	673-1004-4001	673-1006-6001	433-097-003	17730-001	13206-001	I/III	8G2/2A3	ALT	WHT/WHT	ALTN/----	MIP = FMC SOURCE SELECT (L & R)
1	2	2	2	X001	673-1004-4001	673-1006-6001	433-097-003	17730-001	13206-001	I/III	8G2/2A3	ALT	WHT/WHT	ALTN/----	MIP = FLAPS, LE/TE ARM SWITCHES
2	1	1	1	X012	673-1004-4012	673-1006-6012	433-097-003	17730-001	13206-001	I/III	8G2/2A3	ALT	WHT/WHT	DN/----	DHP = PANEL/FLOOD, LIGHT OVERRIDE
2	1	1	1	X012	673-1004-4012	673-1006-6012	433-097-003	17730-001	13206-001	I/III	8G2/2A3	ALT	WHT/WHT	DN/----	DHP = WING ANTI-ICE
2	1	1	1	X012	673-1004-4012	673-1006-6012	433-097-003	17730-001	13206-001	I/III	8G2/2A3	ALT	WHT/WHT	DN/----	DHP = POSITION LIGHT
2	2	2	2	X012	673-1004-4012	673-1006-6012	433-097-003	17730-001	13206-001	I/III	8G2/2A3	ALT	WHT/WHT	DN/----	DHP = ANTI COLLISION (RED AND WHITE)
2	1	1	1	X012	673-1004-4012	673-1006-6012	433-097-003	17730-001	13206-001	I/III	8G2/2A3	ALT	WHT/WHT	DN/----	DHP = WING ILLUMINATION
3	2	2	2	X016	673-1004-4016	673-1006-6016	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	DN/INOP	DHP = YAW DAMPER (L & R)
3	1	1	1	X016	673-1004-4016	673-1006-6016	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	DN/INOP	DHP = WINDOW HEAT, L. SIDE
3	1	1	1	X016	673-1004-4016	673-1006-6016	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	DN/INOP	DHP = WINDOW HEAT, L. FWD.
3	1	1	1	X016	673-1004-4016	673-1006-6016	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	DN/INOP	DHP = WINDOW HEAT, R. FWD.
3	1	1	1	X016	673-1004-4016	673-1006-6016	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	DN/INOP	DHP = WINDOW HEAT, R. SIDE
3	2	2	2	X016	673-1004-4016	673-1006-6016	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	DN/INOP	DHP = RECIRC FAN S (L & R)
3	2	2	-	X016	673-1004-4016	673-1006-6016	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	DN/INOP	DHP = ELEC ENG CONTROL
4	1	1	1	X019	673-1006-4019	673-1006-6019	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	====/VALVE	DHP = APU BLEED
4	1	1	1	X019	673-1004-4019	673-1006-6019	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	====/VALVE	DHP = BLEED ISOL'N VALVE (CTR)
5	1	1	1	X020	673-1004-4020	673-1006-6020	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	DN/PRESS	DHP = HYDRAULIC PUMPS L. ENG.
5	1	1	1	X020	673-1004-4020	673-1006-6020	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	DN/PRESS	DHP = HYDRAULIC PUMPS C ELEC. 1
5	1	1	1	X020	673-1004-4020	673-1006-6020	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	DN/PRESS	DHP = HYDRAULIC PUMPS C ELEC. 2
5	1	1	1	X020	673-1004-4020	673-1006-6020	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	DN/PRESS	DHP = HYDRAULIC PUMPS R. ENG.
6	1	1	1	X021	673-1004-4021	673-1006-6021	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	=DN=/PRESS	DHP = FUEL, C PUMP, L
7	1	1	1	X022	673-1004-4022	673-1006-6022	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	=DN=/PRESS	DHP = FUEL, C PUMP, R
8	1	1	1	X024	673-1004-4024	673-1006-6024	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	DN/OFF	DHP = BATTERY
8	1	1	1	X024	673-1004-4024	673-1006-6024	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	DN/OFF	DHP = TEMP. CONTROL, TRIM AIR
8	1	1	1	X024	673-1004-4024	673-1006-6024	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	DN/OFF	AP = FLT. CONT. SHUT-OFF, L TAIL

1.B (RIGHT)

1.B (LEFT)

DRAWN AND LITER		LITER		FILE NO.	CASE DATE	REV.
CAD INFO		NOE		81590	18277	-
				REV.	3	

TABLE I - (CONTINUED)
INCANDESCENT TO LED PUSHBUTTON SWITCH CROSS REFERENCE

ITEM NO.	QTY PER B767			END ITEM DASH NO.	CAP ASSY PN		CIRCUIT MODULE PN		MASTER MODULE PN	CIRCUIT MODULE TYPE	LEGEND CODE 4 5	SWITCH ACTION	LEGEND COLOR 5	LEGEND 5	APPLICATION 6
	-200	-200ER	-300ER		LAMPS	LEOS	LAMPS	LEOS							
8	1	1	-	X024	673-1004-4024	673-1006-6024	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	ON/OFF	DHP = ANTISKID
8	1	1	1	X024	673-1004-4024	673-1006-6024	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	ON/OFF	AP = FLT. CONT. SHUT-OFF, C TAIL
8	1	1	1	X024	673-1004-4024	673-1006-6024	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	ON/OFF	AP = FLT. CONT. SHUT-OFF, R TAIL
8	1	1	1	X024	673-1004-4024	673-1006-6024	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	ON/OFF	AP = FLT. CONT. SHUT-OFF, L WING
8	1	1	1	X024	673-1004-4024	673-1006-6024	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	ON/OFF	AP = FLT. CONT. SHUT-OFF, C WING
8	1	1	1	X024	673-1004-4024	673-1006-6024	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	ON/OFF	AP = FLT. CONT. SHUT-OFF, R WING
9	-	-	2	X027	673-1004-4027	673-1006-6027	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	ON/VALVE	DHP = FUEL JETTISON (L & R)
9	2	2	2	X027	673-1004-4027	673-1006-6027	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	ON/VALVE	DHP = ENGINE ANTI-ICE (L & R)
10	1	1	1	X030	673-1004-4030	673-1006-6030	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	====/OFF	DHP = ENGINE BLEED (L)
11	1	1	1	X031	673-1004-4031	673-1006-6031	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	=ON=/OFF	DHP = APU GENERATOR CONTROL
11	1	1	1	X031	673-1004-4031	673-1006-6031	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	=ON=/OFF	DHP = L GENERATOR CONTROL
11	1	1	1	X031	673-1004-4031	673-1006-6031	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	=ON=/OFF	DHP = R GENERATOR CONTROL
12	1	1	1	X038	673-1004-4038	673-1006-6038	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	====/VALVE	DHP = FUEL CROSSFEED
13	1	1	1	X041	673-1004-4041	673-1006-6041	433-097-001	17730-001	13202-001	I/III	2A3/1B	MDM	WHT/AMBER	----/ON	DHP = PASSENGER OXYGEN
14	2	2	2	X042	673-1004-4042	673-1006-6042	433-097-001	17730-002	13203-001	I/I	1B/1B	MDM	RED/AMBER	WARNING/CAUTION	GS = MASTER WARNING/CAUTION (L & R) 1.8 (LEFT)
15	1	1	1	X045	673-1004-4045	673-1006-6045	433-097-001	17730-002	13203-001	I/I	1B/1B	MDM	WHITE/WHITE	ON/AVAIL	DHP = EXTERNAL POWER
16	1	1	1	X053	673-1004-4053	673-1006-6053	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	ON=/OFF	DHP = UTILITY BUS (R)
17	1	1	1	X054	673-1004-4054	673-1006-6054	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	=ON/OFF	DHP = UTILITY BUS (L)
18	1	1	1	X056	673-1004-4056	673-1006-6056	433-097-001	17730-002	13203-001	I/I	1B/1B	MDM	AMBER/AMBER	INOP/PACK OFF	DHP = PACK RESET (L)
18	1	1	1	X056	673-1004-4056	673-1006-6056	433-097-001	17730-002	13203-001	I/I	1B/1B	MDM	AMBER/AMBER	INOP/PACK OFF	DHP = PACK RESET (R)
19	1	1	1	X057	673-1004-4057	673-1006-6057	433-097-003	17730-001	13206-001	I/III	8G2/2A3	ALT	WHT/WHT	OVRD/----	MIP = GND PROX FLAP OVRD
19	1	1	1	X057	673-1004-4057	673-1006-6057	433-097-003	17730-001	13206-001	I/III	8G2/2A3	ALT	WHT/WHT	OVRD/----	MIP = GND PROX/CONFIG GEAR OVRD
20	2	1	1	X060	673-1004-4060	673-1006-6060	433-097-001	17730-002	13203-001	I/I	2A3/1B	MDM	WHT/AMBER	----/DISCH	CS/P = CARGO FIRE BOTTLE DISCHARGE
21	1	1	1	X061	673-1004-4061	673-1006-6061	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/RED	ARMED/FWD	CS/P = CARGO FIRE ARMED - FWD
22	1	1	1	X062	673-1004-4062	673-1006-6062	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/RED	ARMED/AFT	CS/P = CARGO FIRE ARMED - AFT 1.8
23	1	1	1	X063	673-1004-4063	673-1006-6063	433-097-001	17730-002	13203-001	I/I	2A3/1B	MDM	WHT/AMBER	----/FAIL P-RESET	CS/P = FIRE DETECT SYSTEM FAIL

DC NO.	DL	REV.	1
DATE	1/7	DESCRIPTION	DATE (PP-HO-DAY)
APPROVED			

TABLE I (CONTINUED)
INCANDESCENT TO LED PUSHBUTTON SWITCH CROSS REFERENCE

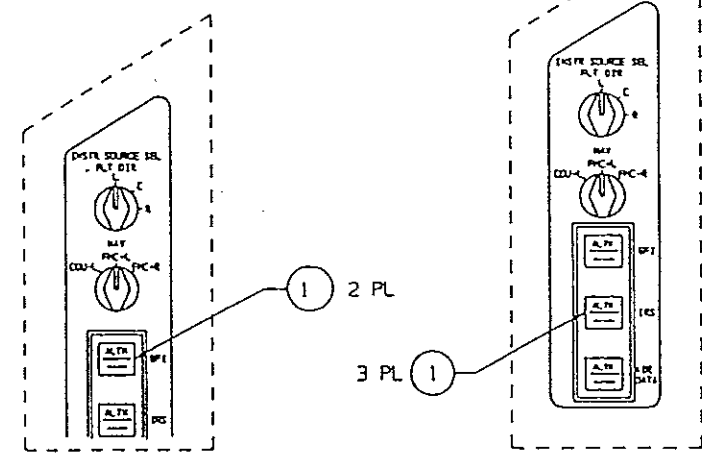
ITEM NO.	QTY PER B767			END ITEM DASH NO.	CAP ASSY PN		CIRCUIT MODULE PN		MASTER MODULE PN	CIRCUIT MODULE TYPE	LEGEND CODE	SWITCH ACTION	LEGEND COLOR	LEGEND	APPLICATION
	-200	-200ER	-300ER		LAMPS	LEDS	LAMPS	LEDS							
24	2	2	2	X064	673-1004-4064	673-1006-6064	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	AUTO/ISLN	D-P = BUS TIE (L & R)
25	1	1	1	X070	673-1004-4070	673-1006-6070	433-097-001	17730-002	13203-001	I/I	1B/1B	MDM	AMBER/AMBER	GND/PROX G/S INHB	MIP = GND PROX G/S INHIBIT
26	3	3	3	X071	673-1004-4071	673-1006-6071	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	DN/OVHT	D-P = CARGO HEAT (FWD, AFT, BULK)
27	3	3	3	X073	673-1004-4073	673-1006-6073	433-097-001	17730-002	13203-001	I/I	2A3/1B	MDM	WHT/WHT	----/FIELD OFF	AP = GEN FIELD MANUAL RESET (L, R & APU)
28	2	2	2	X074	673-1004-4074	673-1006-6074	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	----/VALVE	D-P = BLEED ISOL'N VALVES (L & R)
29	1	1	1	X075	673-1004-4075	673-1006-6075	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	DN/VALVE	MIP = RESERVE BRAKES AND STEERING
30	1	1	1	X077	673-1004-4077	673-1006-6077	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/WHT	UNLKD/UNLKD	D-P = FLT DECK DOOR
31	1	1	1	X079	673-1004-4079	673-1006-6079	433-097-001	17730-002	13205-001	I/I	1B/1B	ALT	GREEN/AMBER	PRESS/UNLKD	D-P = RAM AIR TURBINE
32	-	-	2	X086	673-1004-4086	673-1006-6086	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	NORM/ALTN	D-P = ELEC ENG CONTROL (L & R)
33	-	-	1	X023	673-1004-4023	673-1006-6023	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/WHT	DN/OFF	D-P = GASPER
33	-	-	1	X023	673-1004-4023	673-1006-6023	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/WHT	DN/OFF	D-P = HUMIDITY
34	2	2	2	X026	673-1004-4026	673-1006-6026	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	=DN=/PRESS	D-P = FUEL PUMPS (LEFT)
34	2	2	2	X026	673-1004-4026	673-1006-6026	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	=DN=/PRESS	D-P = FUEL PUMPS (RIGHT)
35	1	1	1	X013	673-1004-4013	673-1006-6013	433-097-003	17730-001	13206-001	I/III	8G2/1B	ALT	WHT/AMBER	----/OFF	D-P = ENGINE BLEED (RIGHT)
36	2	2	2	X007	673-1004-4007	673-1006-6007	433-097-001	17730-002	13203-001	I/I	2A3/1B	MDM	WHT/AMBER	----/DRIVE	D-P = GEN DRIVE DISCONNECT (L & R)

1.8 (APU)

1.8

1.8

DATE AND REV	SCALE	TITLE	DATE	REV
		D 81590	18277	-
CAD INFO		SCALE	REV	5



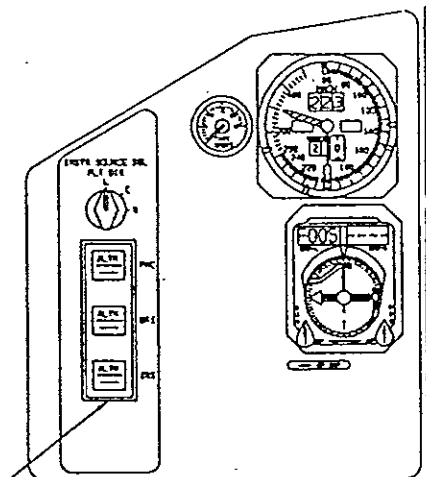
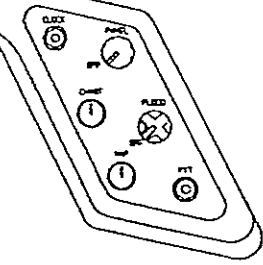
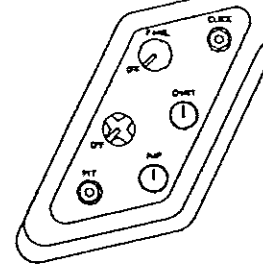
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2 PLACES

-300ER ONLY
2 PLACES

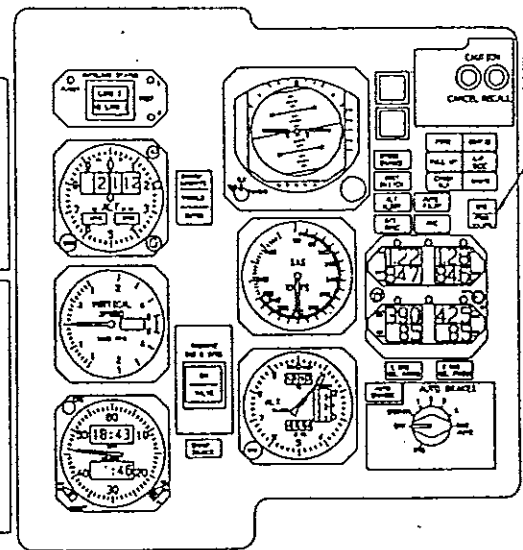
1 2 PL

3 PL 1

14 2 PL

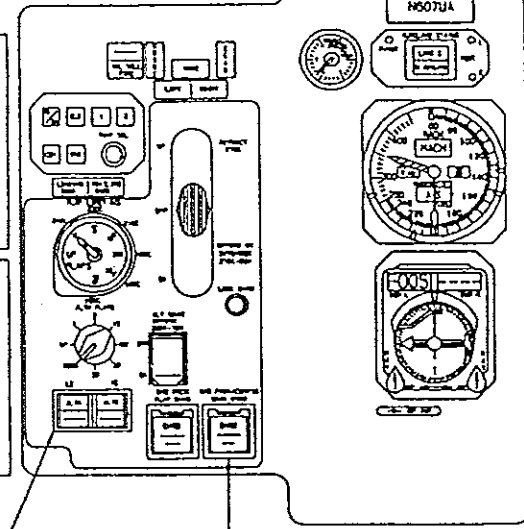


3 PL 1

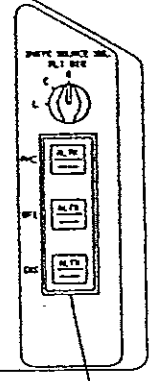
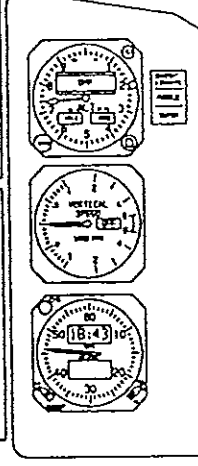
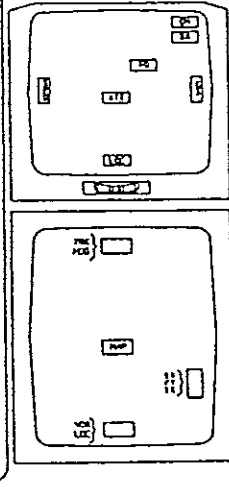


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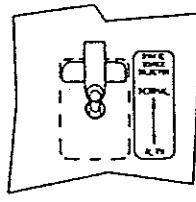
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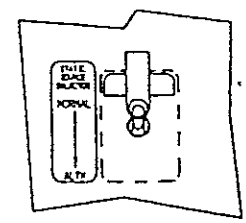
19 2 PL



1 3 PL



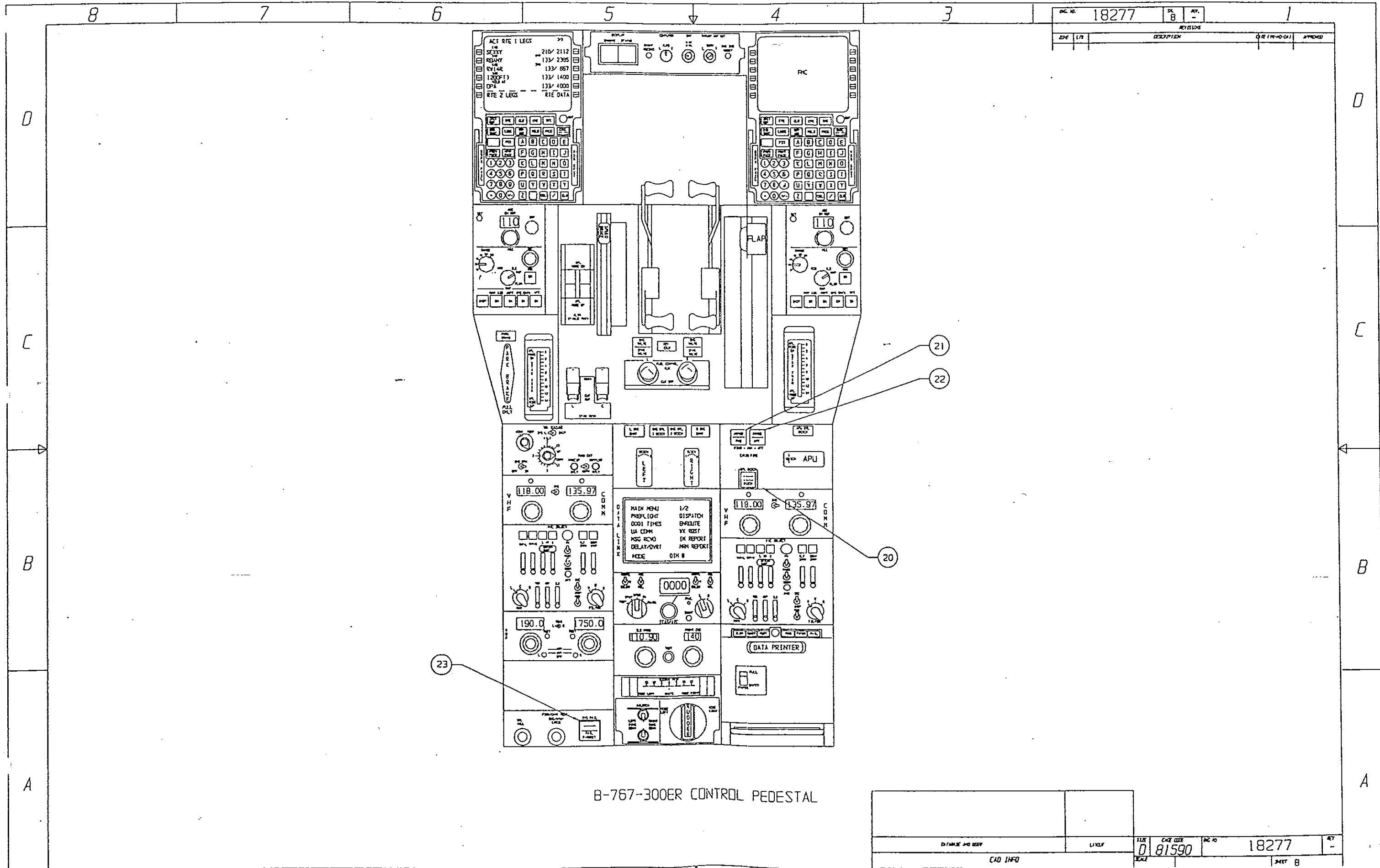
-200 & -200ER ONLY



-200 & -200ER ONLY

B-767-200 SHOWN
-200ER AND -300ER SIMILAR EXCEPT AS SHOWN
CAPTAIN'S, FIRST OFFICER'S AND CENTER INSTRUMENT PANELS

DATE	FILE	REV	18277
8/15/90	81590	1	18277
CAD INFO		PAGE 6	

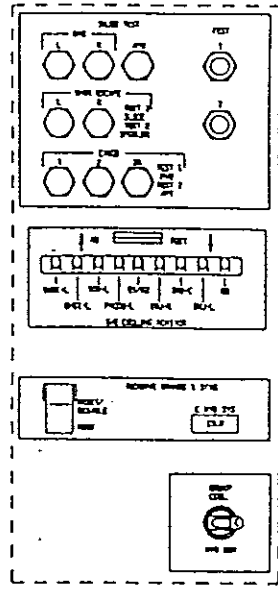


DC NO	18277	REV	8	REV	1
DATE	1/7	DESCRIPTION		OR (REV-01)	APPROVED

B-767-300ER CONTROL PEDESTAL

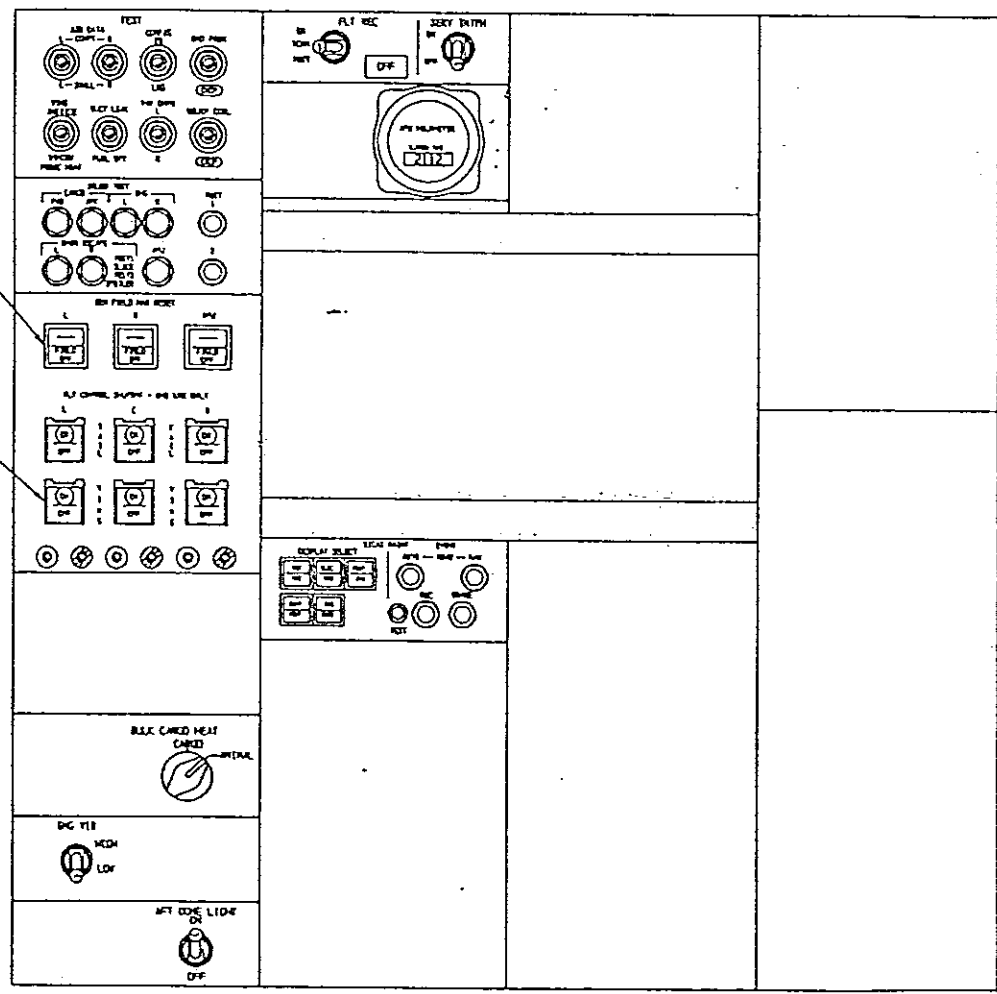
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		0	81590	18277	-
CAD INFO					REV B

REV. NO.	18277	REV.	11
DATE	1/11	EXTENSION	
DATE (P/N/O/D)		APPEND	

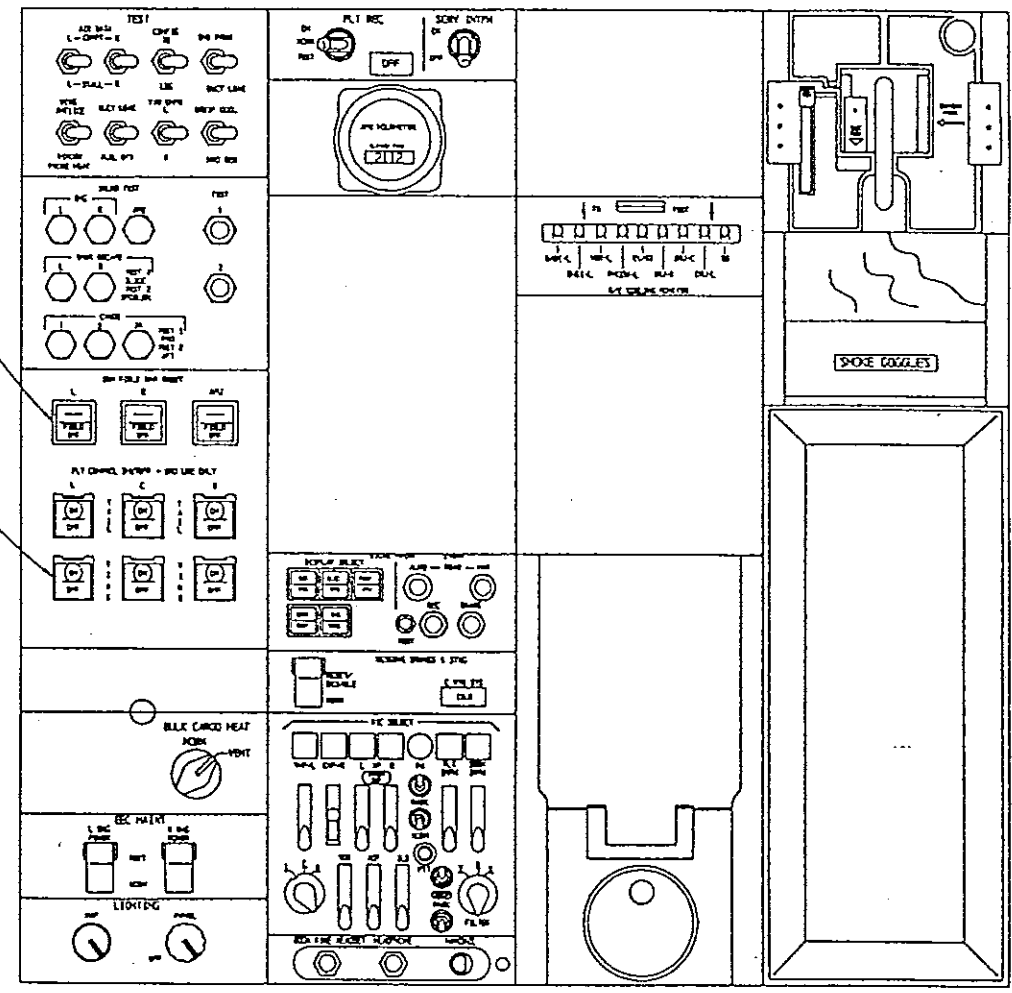


-200ER ONLY

3 PL (27)
6 PL (8)



B-767-200 AUXILIARY PANEL



B-767-300ER AUXILIARY PANEL

DATE AND REV	1/11	REV	11
CAD INFO		REV	11
DATE	1/11	REV	11