

8 7 6 5 4 3 2 1

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	RELEASED FROM REV 1 WITHOUT CHANGE	07/16/19	WCE
B	ADD CONFIGURATION TABLE PER ECO-1745	07/30/19	WCE
C	ADD SPECIFICATION FOR LT-4098N-XXX CONFIGURATIONS AND UPDATED SERIAL NUMBER TABLE PER ECO-1856	01/29/21	WCE
C	MADE EDITS TO PICTURES. NO REV CHANGE.	08/30/21	WCE
D	EDIT APPLICABILITY TABLE PER ECO-1927	01/11/22	WCE
E	EDIT APPLICABILITY TABLE PER ECO-1940	02/18/22	WCE

# A A INSTALLATION



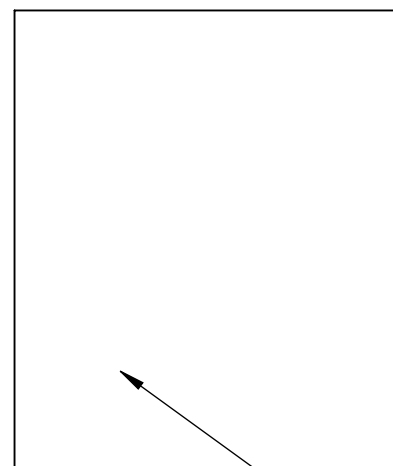
ORIGINAL CAUTION PANEL

DZUS FASTENER 4 PLACES

ORIGINAL WARNING PANEL

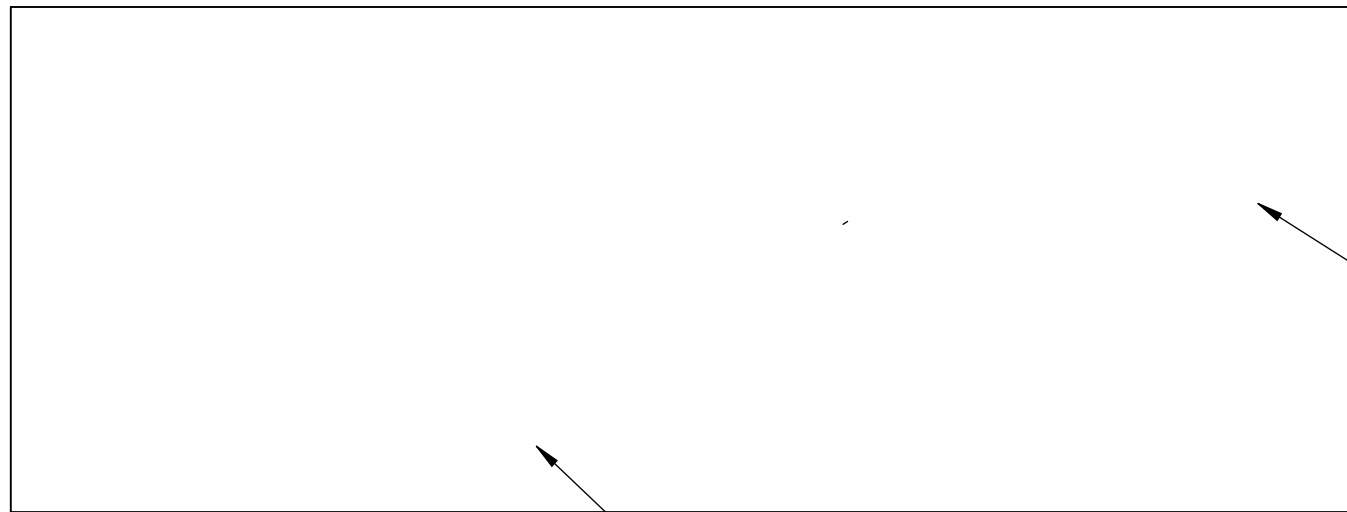


DSUB CONNECTORS 3 PLACES



MOUNTING SCREWS 4 PLACES

WARNING PANEL



ONE PIECE CAUTION/WARNING PANEL LT-4098 INSTALLED

TEST SWITCH ON RIGHT HAND SIDE

### PROCEDURE TO REMOVE CAUTION PANEL:

REFER TO DE HAVILLAND AIRCRAFT MAINTENANCE MANUAL PSM 1-83-2, CHAPTER 33, DOCUMENT 33-12-00.

1. RELEASE FOUR DZUS FASTENERS HOLDING CAUTION PANEL.
2. PULL CAUTION PANEL FORWARD.
3. UNSCREW AND REMOVE THREE DSUB CONNECTORS ON THE BACK OF THE PANEL (50, 37, AND 25 PIN).
4. INSTALL PROTECTIVE COVERS TO CONNECTORS THEN REMOVE CAUTION PANEL FROM AIRPLANE.

### PROCEDURE TO REMOVE WARNING PANEL:

REFER TO DE HAVILLAND AIRCRAFT MAINTENANCE MANUAL PSM 1-83-2, CHAPTER 33, DOCUMENT 33-18-00.

1. REMOVE FOUR SCREWS ON UNDERSIDE OF WARNING PANEL.
2. UNSCREW AND REMOVE DSUB CONNECTOR ON THE BACK OF THE PANEL (15 PIN).
3. INSTALL PROTECTIVE COVER TO CONNECTOR THEN REMOVE PANEL FROM AIRPLANE.

### PROCEDURE TO INSTALL ONE PIECE CAUTION/ WARNING PANEL:

1. INSERT FOUR DSUB CONNECTORS TO BACK OF PANEL AND SECURE WITH SCREWS (15, 25, 37, AND 50 PIN).
2. SECURE PANEL TO AIRPLANE WITH FOUR DZUS FASTENERS.
3. VERIFY FUNCTION.

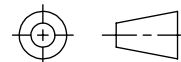
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CAD DATASET:  
FILENAME: INST-LT-4098-001 REV E.SLDDRW

INTERPRET DWG. PER ASME Y14.5-1994

THIRD ANGLE PROJECTION



MATERIAL PER NOTES	NEXT ASSY	
FINISH PER NOTES	USED ON	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES: ANGLES 3 PLACE DECIMALS ± .005 2 PLACE DECIMALS ± .01 REMOVE ALL BURRS AND SHARP EDGES CONCENTRICITY MACHINED DIAMETERS .005 FIM DIMENSIONS APPLY PRIOR TO PLATING PROCESS PARENTHEICAL INFO FOR REF ONLY	DRAWN S. MCFETRIDGE	07/16/19
	CHECKED W. EVERETT	02/18/22
	ERP ENTRY W. EVERETT	02/18/22
	APPROVED W. EVERETT	02/18/22

**LT Luma Technologies**  
13226 SE 30th Street, B3 Bellevue, WA 98005  
P: 425-643-4000, x305

TITLE <b>PANEL INSTALLATION DWG</b>		
FSCM <b>4F8J1</b>	DRAWING NO. <b>INST-LT-4098-001</b>	REV <b>E</b>
SCALE <b>N/A</b>	SHEET SIZE <b>B</b>	SHEET <b>1 OF 2</b>

8 7 6 5 4 3 2 1

8 7 6 5 4 3 2 1

D  
C  
B  
A

D  
C  
B  
A

AIRCRAFT APPLICABILITY TABLE					
QTY	Description	Part Number	APPLICABLE AIRCRAFT MODEL	LUMA TECHNOLOGIES DRAWING	VENDOR
1	98 STATION INTEGRATED LED DISPLAY PANEL	LT-4098-XXX*	100/200/300 (SERIAL NUMBERS 0-672)	LT-4098 REV E 01/10/22	Luma Technologies LLC

\*Dash numbers are based on specific aircraft configurations (reference Luma LT-4098 drawing). Actual configurations will vary depending on equipment and options installed. Contact Luma Technologies for assistance in locating, defining, or creating the dash number for a specific aircraft configuration needed for installation. NVIS compatible panels are available in every configuration and are ordered by adding the letter designation "N" after the LT-4098 in the Luma part number (example LT-4098N-039).

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DRAWN	J. VU	01/11/22	FSCM	4F8J1	DRAWING NO.	INST-LT-4098-001	REV	E
CHECKED	W. EVERETT	02/18/22	SCALE	N/A	SHEET SIZE	B	SHEET	2 OF 2

8 7 6 5 4 3 2 1

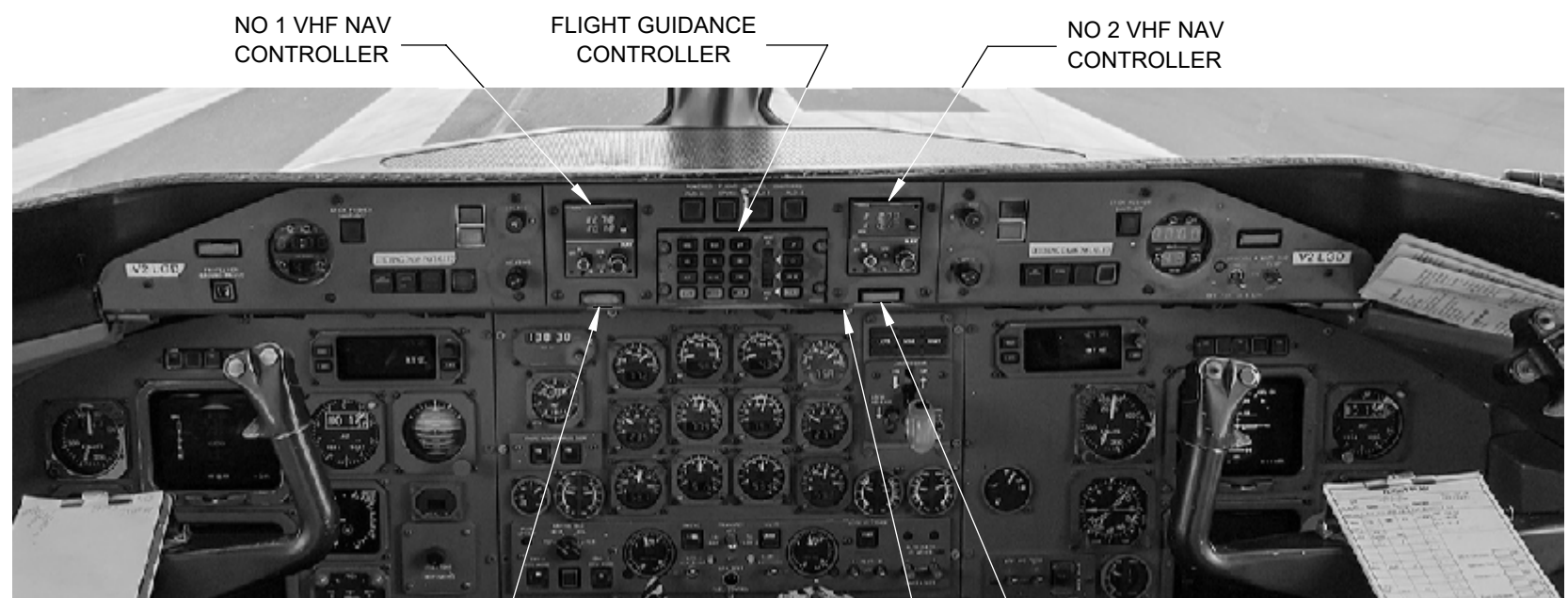


FIGURE 1 WARNING SWITCH CENTER LIGHTPLATE CAUTION SWITCH

# SWITCHLIGHT INSTALLATION

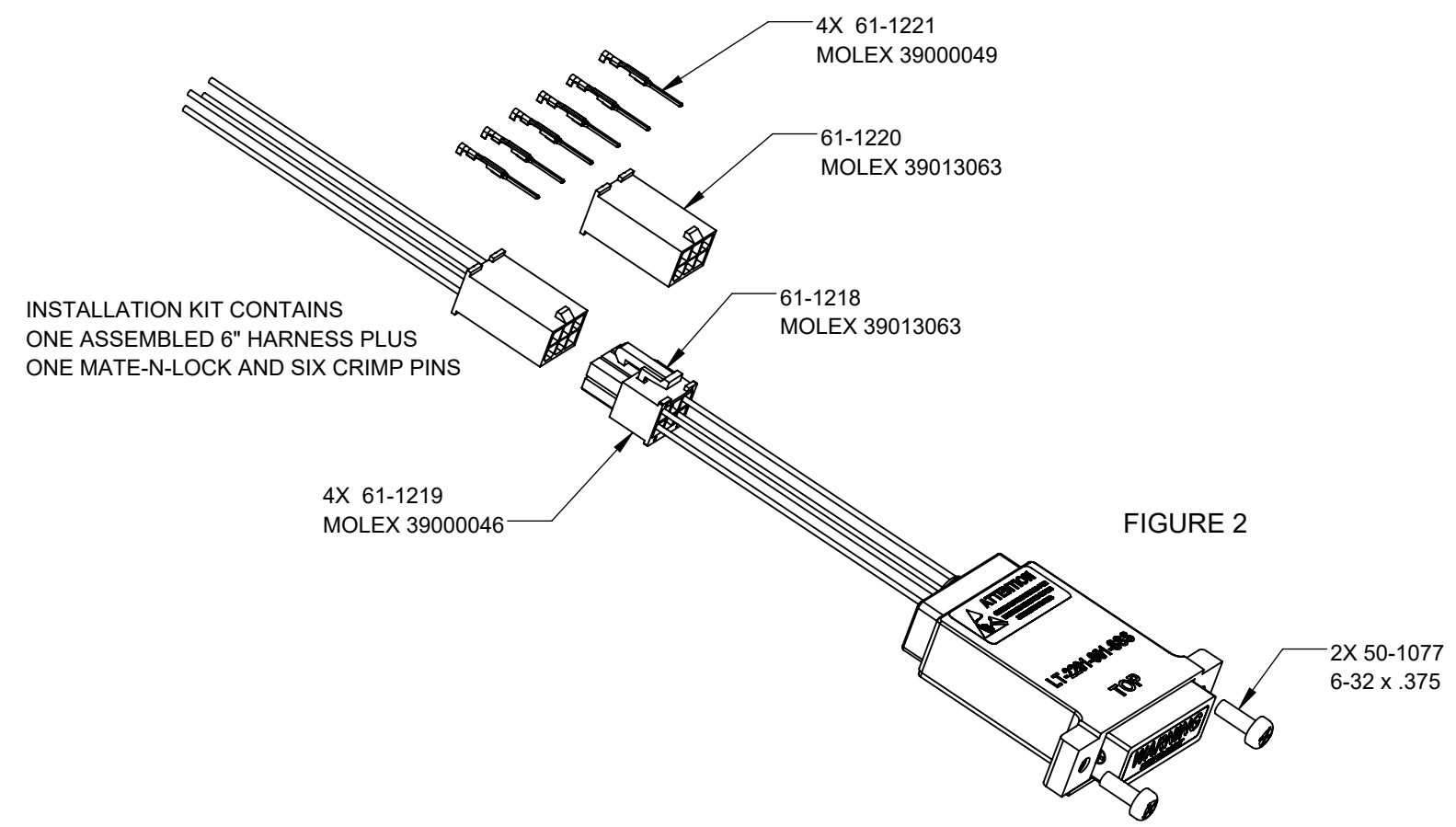
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	RELEASED FROM REV 1 WITHOUT CHANGE	07/18/19	WCE
B	INSTRUCTION DETAILS ADDED PER ECO-1745	08/01/19	WCE
C	UPDATE INSTALLATION INSTRUCTIONS FOR CURRENT INSTALLATION KIT PROVIDED PER ECO-1895	07/29/21	WCE

**WARNING SWITCH REPLACEMENT PROCEDURE:**  
(REFER TO DE HAVILLAND AIRCRAFT MAINTENANCE MANUAL PSM 1-83-2, CHAPTER 33, DOCUMENT 33-18-00.)

1. REMOVE CENTER LIGHTPLATE.
2. REMOVE FLIGHT GUIDANCE CONTROLLER, NO.1 VHF NAV CONTROLLER, AND NO.2 VHF NAV CONTROLLER TO ACCESS SWITCH.
3. REMOVE SWITCH MOUNTING SCREWS (2 EACH).
4. CUT WIRES TO REMOVE SWITCH AND INSTALL SUPPLIED MATE AND LOCK CONNECTOR TO AIRCRAFT WIRES. (FIGURE 2)
5. CONNECT THE REPLACEMENT SWITCH AND VERIFY FUNCTION.
6. INSTALL SWITCH INTO THE PANEL WITH TWO SCREWS. (SUPPLIED)
7. REPLACE FLIGHT GUIDANCE CONTROLLER, NO.1 VHF NAV CONTROLLER, AND NO.2 VHF NAV CONTROLLER.
7. REPLACE LIGHTPLATE.
8. VERIFY FUNCTION.

**CAUTION SWITCH REPLACEMENT PROCEDURE:**  
(REFER TO DE HAVILLAND AIRCRAFT MAINTENANCE MANUAL PSM 1-83-2, CHAPTER 33, DOCUMENT 33-12-00.)

1. REMOVE CENTER LIGHTPLATE.
2. REMOVE FLIGHT GUIDANCE CONTROLLER, NO.1 VHF NAV CONTROLLER, AND NO.2 VHF NAV CONTROLLER TO ACCESS SWITCH.
3. REMOVE SWITCH MOUNTING SCREWS (2 EACH).
4. CUT WIRES TO REMOVE SWITCH AND INSTALL SUPPLIED MATE AND LOCK CONNECTOR TO AIRCRAFT WIRES. (FIGURE 2)
5. CONNECT THE REPLACEMENT SWITCH AND VERIFY FUNCTION.
6. INSTALL SWITCH INTO THE PANEL WITH TWO SCREWS. (SUPPLIED)
7. REPLACE FLIGHT GUIDANCE CONTROLLER, NO.1 VHF NAV CONTROLLER, AND NO.2 VHF NAV CONTROLLER.
7. REPLACE LIGHTPLATE.
8. VERIFY FUNCTION.

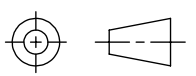



INSTALLATION KIT CONTAINS ONE ASSEMBLED 6" HARNESS PLUS ONE MATE-N-LOCK AND SIX CRIMP PINS

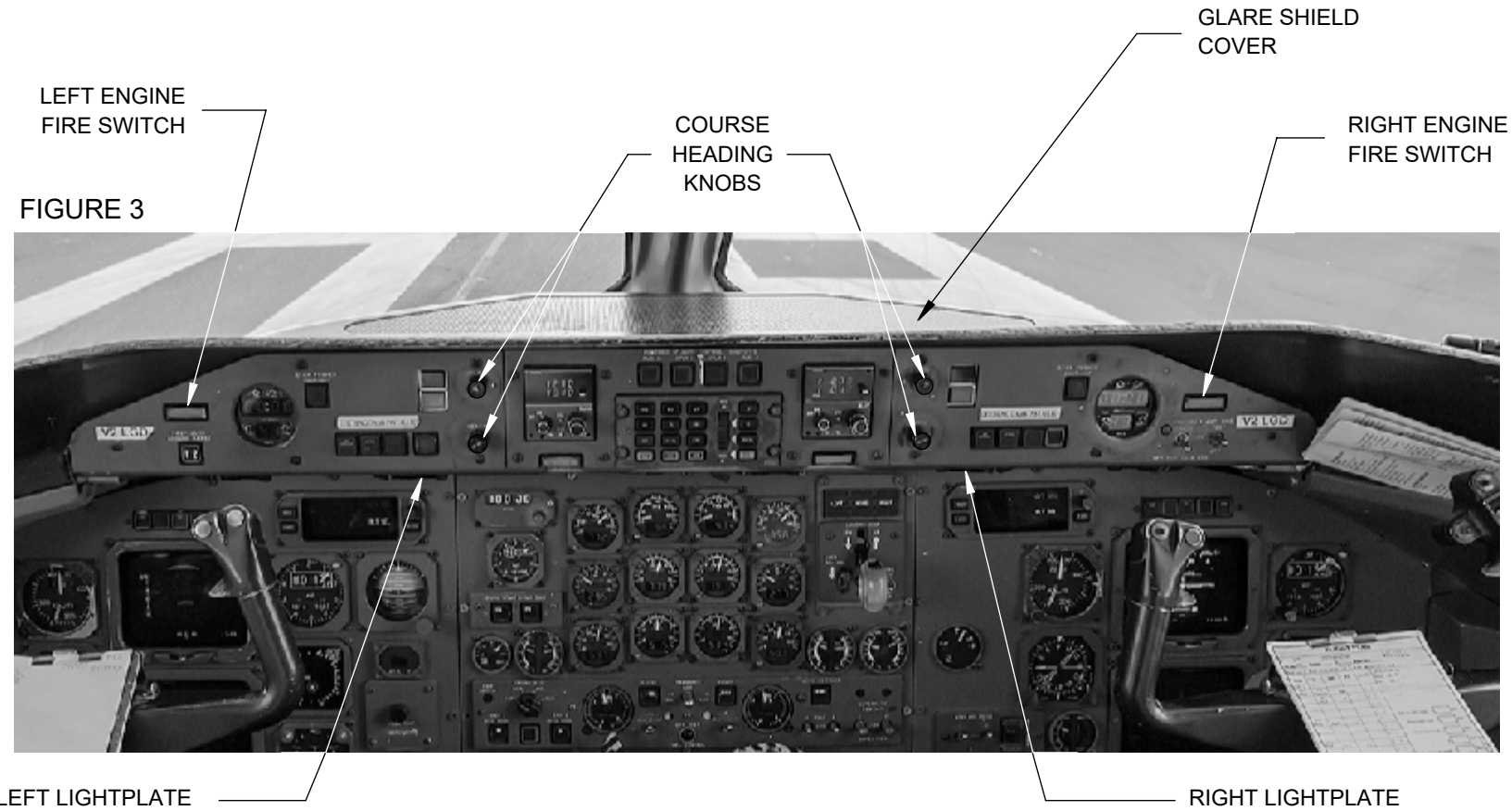
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CAD DATASET:  
FILENAME: INST-LT-2201-001 Rev C  
  
INTERPRET DWG. PER ASME Y14.5-1994  
  
THIRD ANGLE PROJECTION



MATERIAL PER NOTES	NEXT ASSY	 <b>Luma Technologies LLC</b> 13226 SE 30th Street, B3 Bellevue, WA 98005 P: 425-643-4000, x305 www.Lumatech.com	
FINISH PER NOTES	USED ON		
UNLESS OTHERWISE SPECIFIED O DIMENSIONS ARE IN INCHES O TOLERANCES: ANGLES 3 PLACE DECIMALS ± .005 2 PLACE DECIMALS ± .01 O REMOVE ALL BURRS AND SHARP EDGES O CONCENTRICITY MACHINED DIAMETERS .005 FIM O DIMENSIONS APPLY PRIOR TO PLATING PROCESS O PARENTHEICAL INFO FOR REF ONLY	DRAWN S. MCFETRIDGE	07/18/19	TITLE SWITCH INSTALLATION DWG
	CHECKED W. EVERETT	07/29/21	FSCM 4F8J1
	ERP ENTRY W. EVERETT	07/29/21	DRAWING NO. INST-LT-2201-001
	APPROVED W. EVERETT	07/29/21	SCALE N/A SHEET SIZE B SHEET 1 OF 2



**ENGINE FIRE SWITCH REPLACEMENT PROCEDURE:**  
 (REFER TO DE HAVILLAND AIRCRAFT MAINTENANCE MANUAL PSM 1-83-2, CHAPTER 26, DOCUMENT 26-11-00.)

1. REMOVE COURSE HEADING KNOBS (TWO PER LIGHTPLATE).
2. REMOVE LEFT AND RIGHT LIGHTPLATES.
3. REMOVE GLARE SHIELD COVER. (SECURED WITH TWO OUTBOARD SCREWS AND VELCRO)
4. ACCESS SWITCHES FROM ABOVE TO REMOVE NUTS/SCREWS.
5. CUT WIRES TO REMOVE SWITCHES AND INSTALL SUPPLIED MATE AND LOCK CONNECTORS TO AIRCRAFT WIRES. (FIGURE 2)
6. CONNECT THE REPLACEMENT SWITCHES AND VERIFY FUNCTION.
7. INSTALL SWITCHES INTO BACK OF PANEL WITH TWO SCREWS EACH. IF NUT PLATE IS PRESENT DRILL OUT SECURING RIVETS AND REMOVE THE NUT PLATE FROM THE PANEL. TAKE CARE TO REMOVE THE NUT PLATES WITHOUT CREATING FOD. (FIGURE 4)
8. REPLACE LEFT AND RIGHT LIGHTPLATES.
9. REPLACE COURSE HEADING KNOBS. (TWO PER LIGHT PLATE)
10. VERIFY FUNCTION.

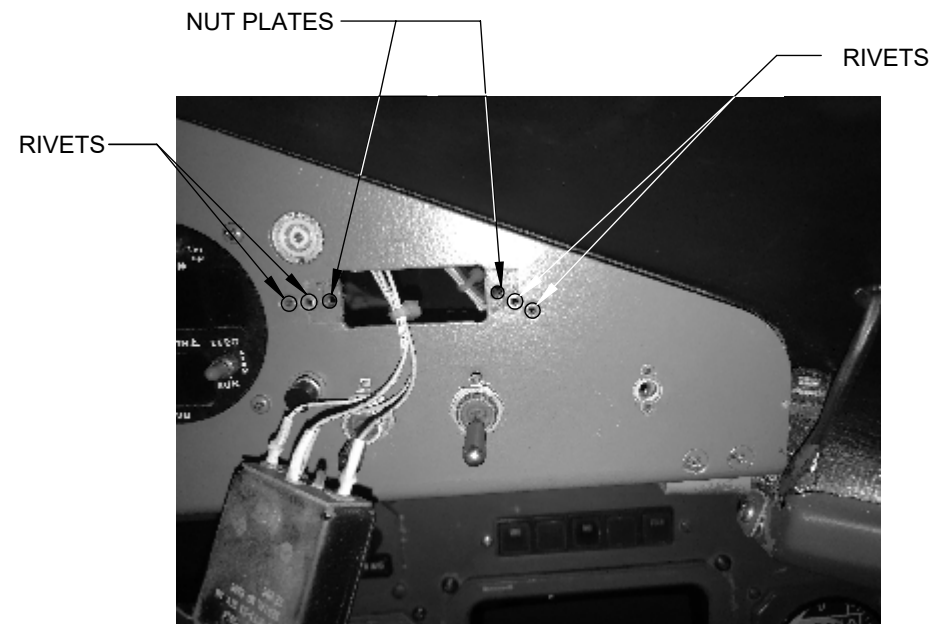


FIGURE 4

APPLICABILITY TABLE			
DE HAVILLAND DASH 8 100/200/300			
QUANTITY	LUMA P/N	NOMENCLATURE	AC APPLICABILITY
1	LT-2201-001-SSS	<b>WARNING</b> PUSH TO RESET	S/N 0 - 672
1	LT-2201-002-SSS	<b>CAUTION</b> PUSH TO RESET	S/N 0 - 672
2	LT-2201-003-BSS	<b>ENGINE FIRE</b> PUSH TO RESET	S/N 0 - 672

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DRAWN S. MCFETRIDGE	07/31/19	FSCM <b>4F8J1</b>	DRAWING NO. <b>INST-LT-2201-001</b>	REV <b>C</b>
CHECKED W. EVERETT	07/29/21	SCALE <b>N/A</b>	SHEET SIZE <b>B</b>	SHEET <b>2 OF 2</b>