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NOTES:

1. ALL WIRING TO BE ENCASED IN EXPANDABLE SLEEVING, ITEM 2 OR 3 IAW GULFSTREAM G150 WIRING DIAGRAM STANDARD PRACTICES 20-52-03.

2. BONDING AND GROUNDING TO BE IAW G150 ELECTRICAL BONDING STANDARD PRACTICES 20-24-00.

3. WIRE ROUTING TO BE IAW G150 MAINTENANCE MANUAL, WIRE ROUTING 20-25-07.

4. UNLESS OTHERWISE SPECIFIED, ALL INSTALLATIONS, PRACTICES, AND PRECAUTIONS ARE TO BE COMPLETED IAW G150 WIRING DIAGRAM MANUAL CHAPTER 20: STANDARD MAINTENANCE PRACTICES.

5. WIRING MUST BE INSTALLED AND SECURED UTILIZING ITEM 4 CLAMPS, ITEM 5 SPACERS WHEN NECESSARY. ITEM 11 LACING CORD IS TO BE INSTALLED BETWEEN CLAMPS AT A MAXIMUM OF 18" INTERVALS IAW G150 STANDARD PRACTICES, WIRE HARNESS REPAIR PROCEDURES, 20-52-03.

6. WIRE ROUTING SHOWN FOR REFERENCE ONLY, MINOR DEVIATION OF DEPICTED ROUTING IS ACCEPTABLE.

7. INSTALL CABLE BUNDLES WITH SUFFICIENT SLACK TO ENSURE NO BINDING EXISTS.

8. THE MINIMUM BEND RADIUS OF WIRE GROUPS OR BUNDLES MUST NOT BE LESS THAN 10 TIMES THE DIAMETER OF THE LARGEST WIRE.

9. THE MINIMUM BEND RADIUS OF COAXIAL CABLES MUST NOT BE LESS THAN 10 TIMES THE DIAMETER OF THE CABLE.

10

HARNESS INSTALLATION, ROUTING, AND ATTACHMENT SHALL BE INSPECTED TO ENSURE NO CHAFING AGAINST AIRFRAME OR MOVING CONTROL SYSTEMS AND SHALL BE PROTECTED FROM DAMAGE BY PERSONNEL OR OTHER ELEMENTS. USE 1,2 AND 3 AS REQUIRED TO ENSURE SHIELDING FROM ENVIRONMENTAL EFFECTS OR CHAFING.

11. PRIOR TO APPLYING POWER, PERFORM A WIRE RING OUT OF ALL CONNECTIONS.

12. USING AN OHMMETER, PERFORM A CONTINUITY CHECK, PIN TO PIN, PIN TO ADJACENT PIN AND EACH PIN TO GROUND.

13. PRIOR TO INSTALLING EQUIPMENT, APPLY POWER AND CONFIRM POWER IS APPLIED ON THE CORRECT PIN.

14. ALL GROUNDS AND COMPONENT BONDING SHALL BE VERIFIED TO BE LESS THAN 2.5MILLIOHM TO STRUCTURE.

15. IAW G150 WIRING DIAGRAM MANUAL 20-25-08, SOLDERING TECHNIQUES - MAINTENANCE PRACTICES.

16

FINISH ITEM 9 IN ALODINE PRIME. INSTALL TO EXISTING HOLES ON FRAME 23 (FS 233.62") WITH ITEM 16. USE ITEM 14 AS REQUIRED. ITEM 9 MAY BE INSTALLED TOGETHER WITH EXISTING BRACKET ON FRAME IF PRESENT. DRILLOUT RIVETS AND RIVET BOTH BRACKETS TO FRAME USING ITEM 16. IF FRAME 23 IS OCCUPIED BY EXISTING EQUIPMENT, ITEM 9 MAY BE INSTALLED TO EXISTING HOLES IN FRAME 21, 22 OR 24.

17

INSTALL ITEM 11 ON LEADING EDGE ADJACENT TO EXISTING WIRE CONDUIT WITH ONE END FLARED USING ITEMS 4,5,6,7 AND 8 AS REQUIRED.

18

INSTALL ITEM 12 AND DRILL HOLE IN WIRE RETAINING BRACKET AND LACE EXCESS WIRE THICKNESS OUTSIDE BRACKET.

19

SECURE -817HEATER CUFF WIRING TO THE TOP OF ACTUATOR USING ITEM 15.

APPROVED

D RANKIN 08/05/20

CHECKED

M BAIG 08/05/20

DRAWN

B CHILDERS 08/05/20

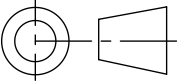
WEIGHT: N/A

NEXT ASSEMBLY: N/A

REV.	DESCRIPTION	DRAWN	CHECKED	APPROVED
IR	INITAL RELEASE	-	-	-
A	UPDATED THE CB LOCATION AND ADDED REFERENCE TO APU BOX	M BAIG 08/26/20	D SAM 08/26/20	D RANKIN 08/26/20
B	UPDATED THE WIRE ROUTING AND ELECTRICAL INSTALL DETAILS	M BAIG 09/26/20	L WILDING 09/26/20	J KISTLER 10/1/20
C	UPDATED NOTES AND INSTALL DETAILS ON SHEET 5	M BAIG 10/8/20	L WILDING 10/8/20	J KISTLER 10/8/20
D	REVISED NOTE 16 AND UPDATED NOTES ON SHT 3.	B CHILDERS 03/24/21	L WILDING 03/24/21	D RANKIN 03/24/21

16	10	MS20426AD3-3	RIVET, CTSK, #3 X .19"	
15	A/R	RTV-157	HIGH STRAIN SILICONE ELECTRICAL SEALANT	
14	A/R	HSHWT-051	WALL ADHESIVE LINED FLAME RETARDANT HEAT SHRINK, BLACK	KABLE KONTROL
13	4	MS21059L08	NUT PLATE, FLOATING #8-32	
12	A/R	103-2	LACING CORD, MIL-T-43435 B TYPE 1 SIZE3 FINISH B	
11	2	PA-200124-307	ELECTRICAL WIRING CONDUIT	
10	REF	FC-325-8	POWER ENABLE RELAY	T.E.
9	1	PA-200124-303	RELAY BRACKET	
8	A/R	MS21044N3	NUT, SELF LOCKING #10-32	
7	A/R	AN525-10R8	SCREW, #10-32, GRIP 1/8"	
6	A/R	AN525-832R20	SCREW- #8-32, GRIP 27/32"	
5	A/R	NAS43DD3-44FC	SPACER	
4	A/R	MS21919WDG8	CLAMPS	
3	A/R	WMEXO.375BK	SLEEVE, FLAME RETARDANT, EXPANDABLE, 3/8D"	
2	A/R	WMEXO.250BK	SLEEVE, FLAME RETARDANT, EXPANDABLE, 1/4D"	
1	A/R	HS380	TUBING, HEAT SHRINK, DOUBLE WALL 3:1,0.75D"	
ITEM NO.	QTY	PART NUMBER	DESCRIPTION	VENDOR


DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED
THIRD ANGLE PROJECTION



TOLERANCES UNLESS OTHERWISE SPECIFIED:
X = ± .100 .X = ± .050
.XX = ± .030 .XXX = ± .010
X° = ± 2° .X° = ± 1°

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PEREGRINE
7385 SOUTH PEORIA STREET
UNIT C4
ENGLEWOOD, CO 80112

TITLE: ELECTRICAL INSTL, WIRE ROUTING

DWG. NO. PA-200124-521

REV. D

DWG SIZE: B

SCALE: NTS

SHEET 1 OF 5

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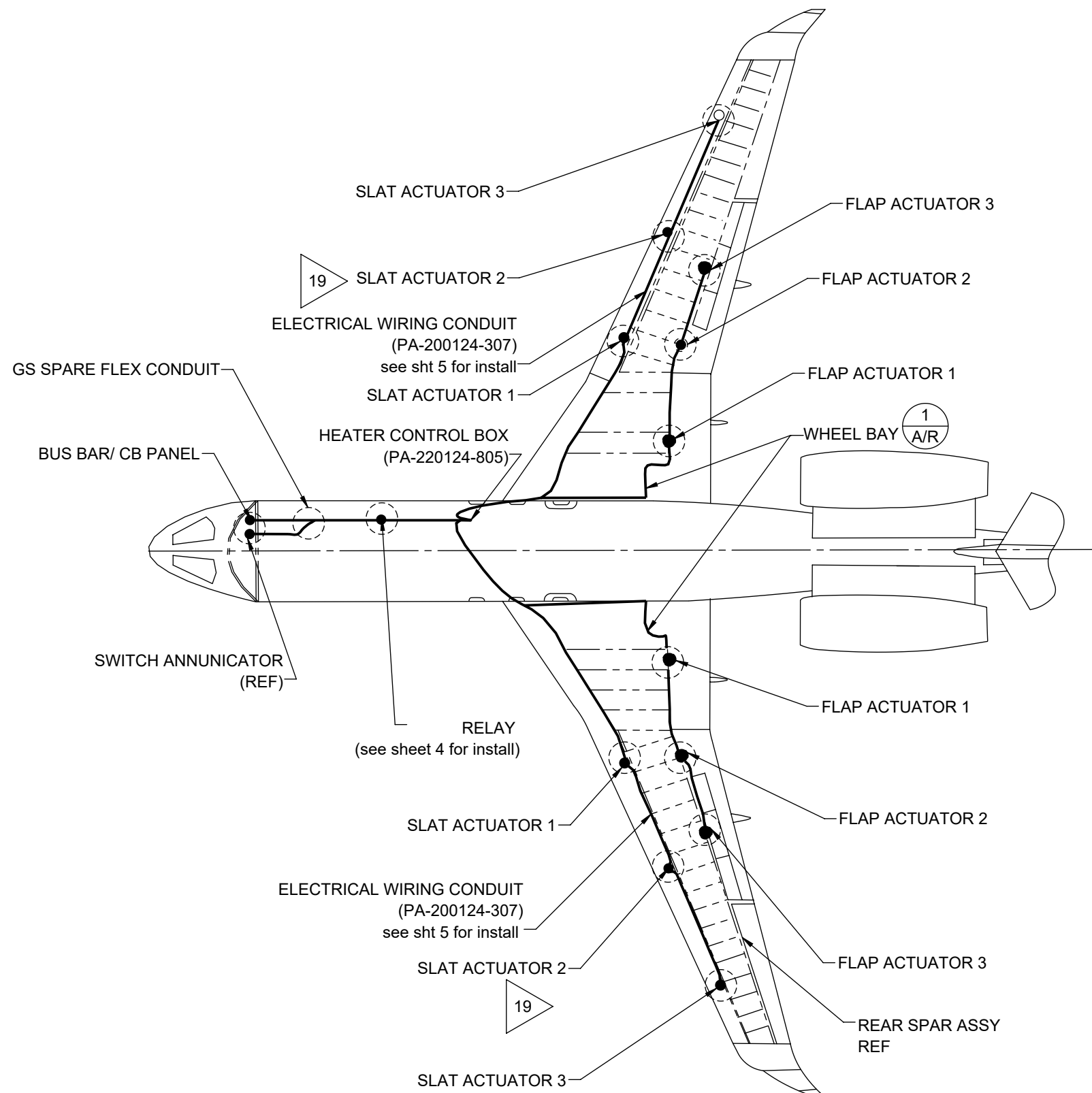
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WIRE ROUTING INSTL
TOP VIEW

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PEREGRINE
7385 SOUTH PEORIA STREET
UNIT C4
ENGLEWOOD, CO 80112

TITLE: **ELECTRICAL INSTL,
WIRE ROUTING**

DWG. NO. **PA-200124-521**

REV. **D**

DWG SIZE: B

SCALE: NTS

SHEET 2 OF 5

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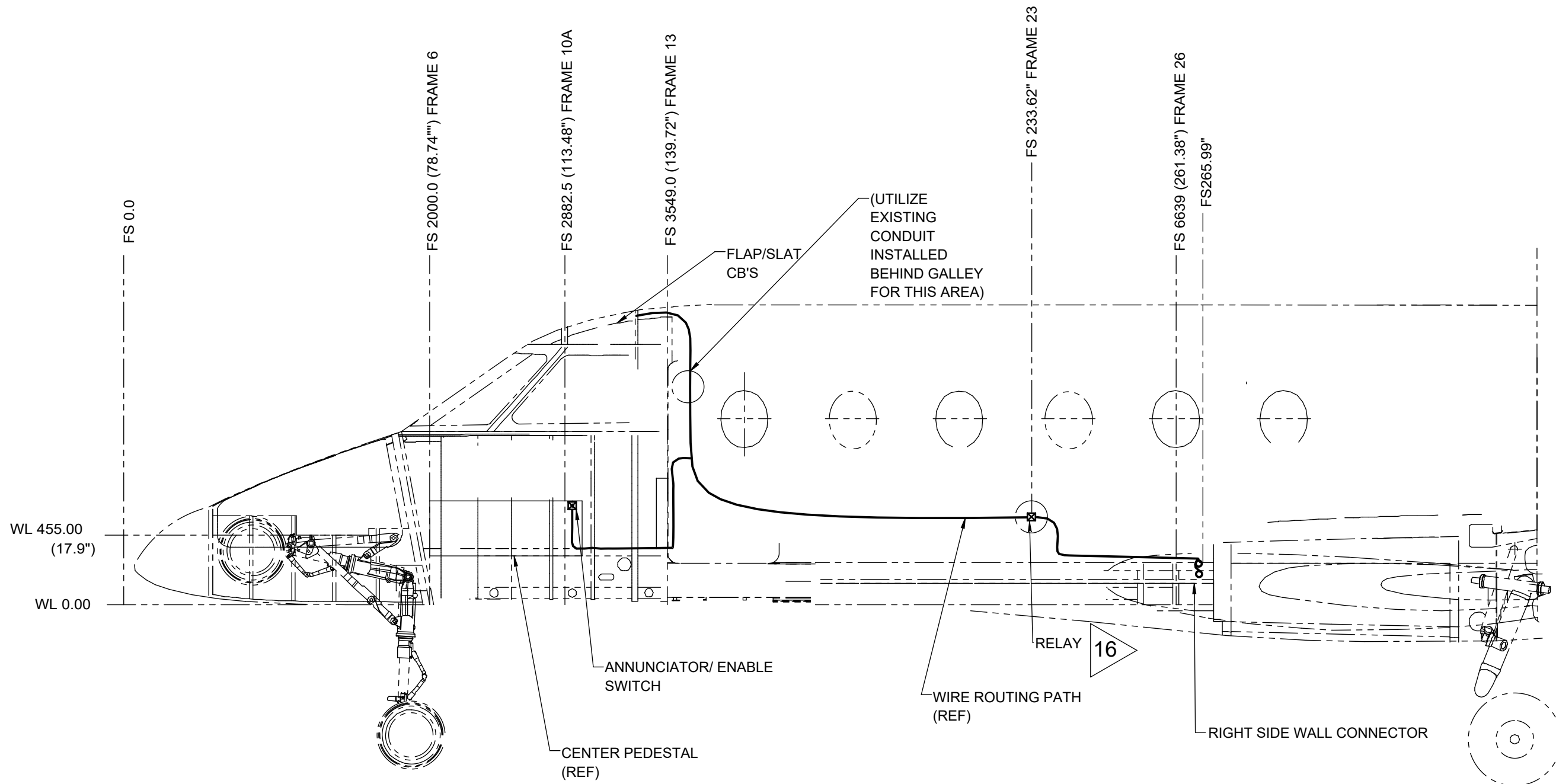
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WIRE ROUTING INSTL
SIDE VIEW (INTERIOR)

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	DWG. NO. PA-200124-521	REV. D
	DWG SIZE: B	SCALE: NTS SHEET 3 OF 5

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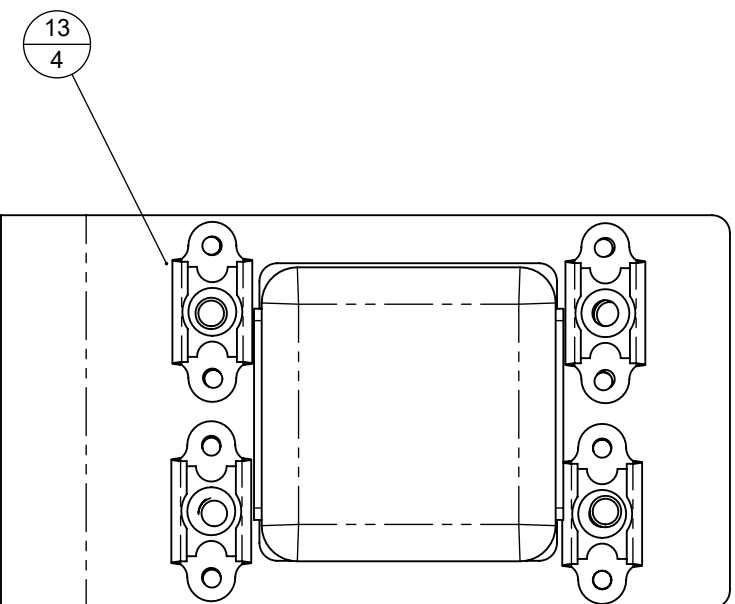
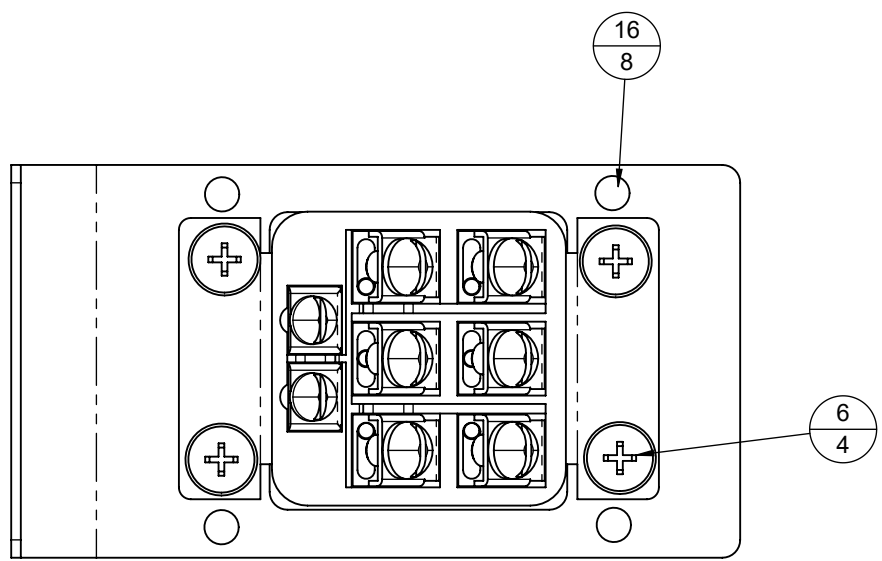
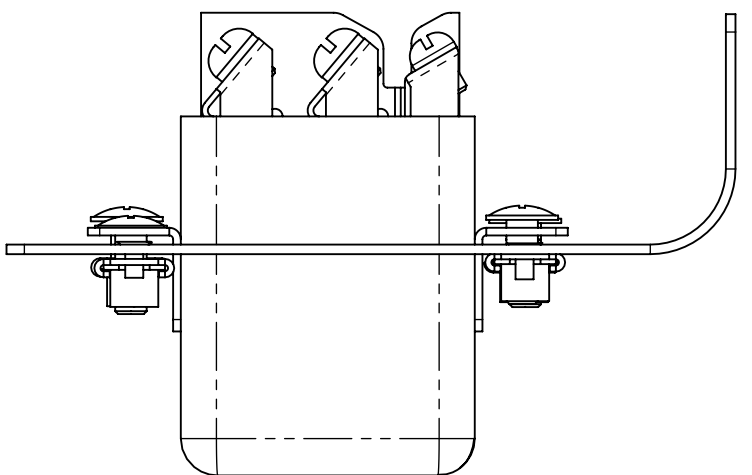
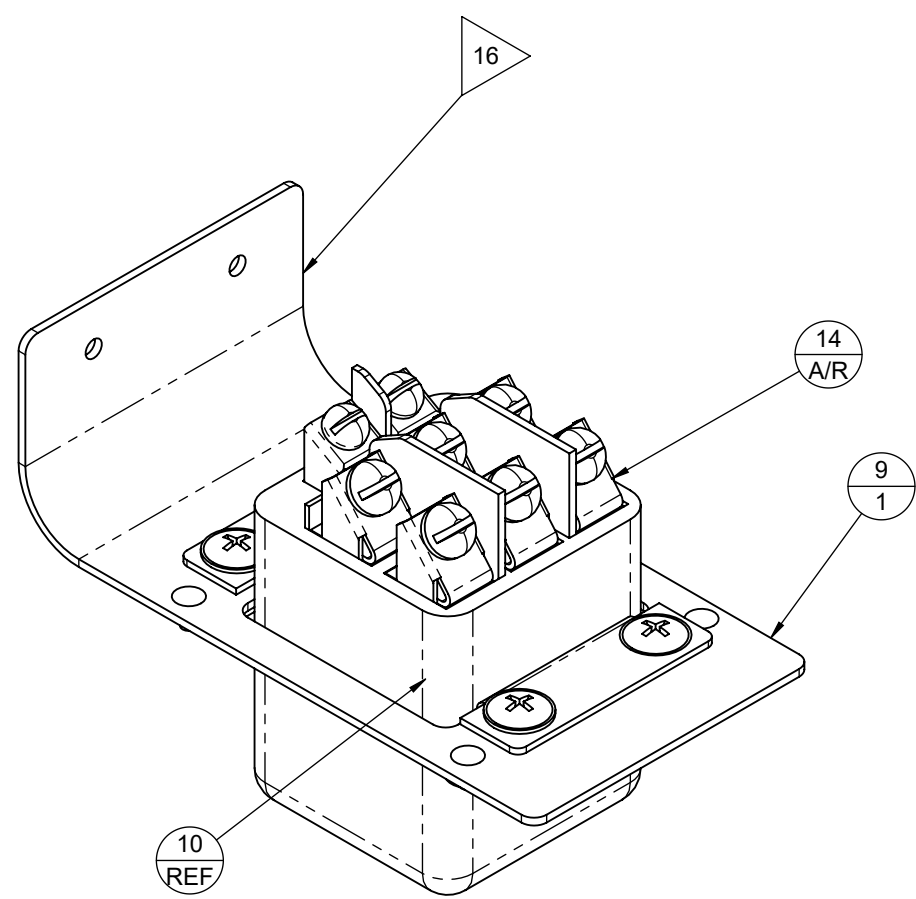
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	DWG. NO. PA-200124-521	REV. D
	DWG SIZE: B	SCALE: NTS

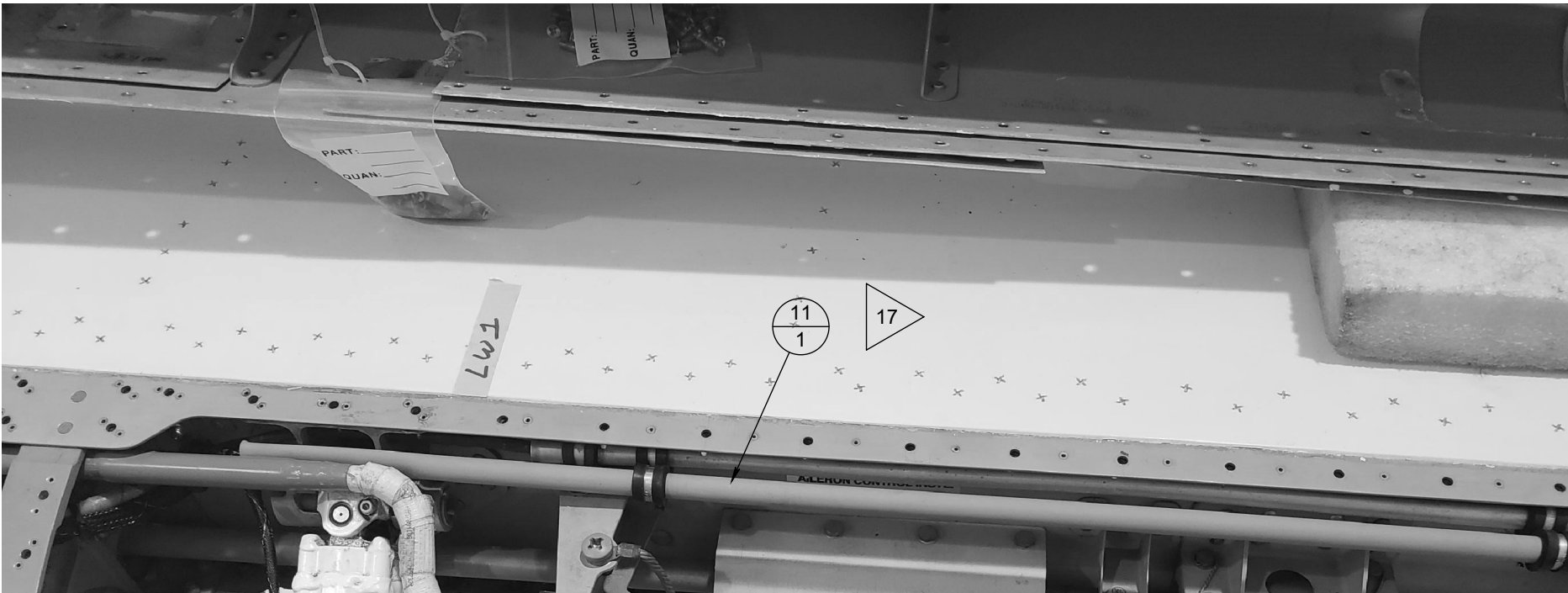
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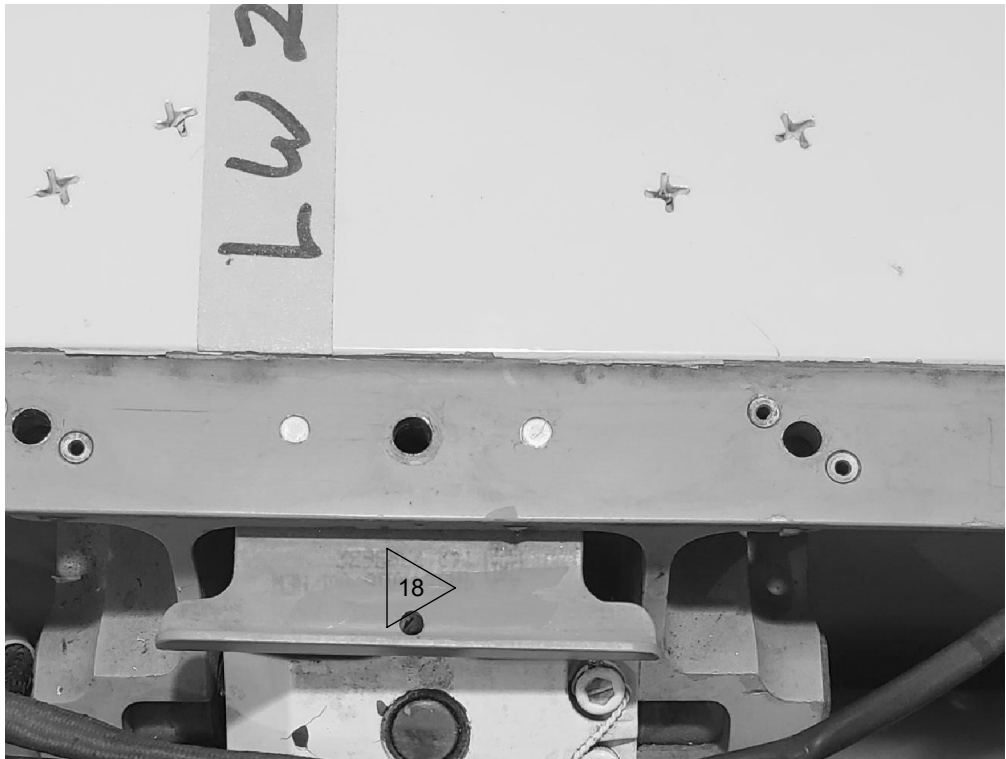
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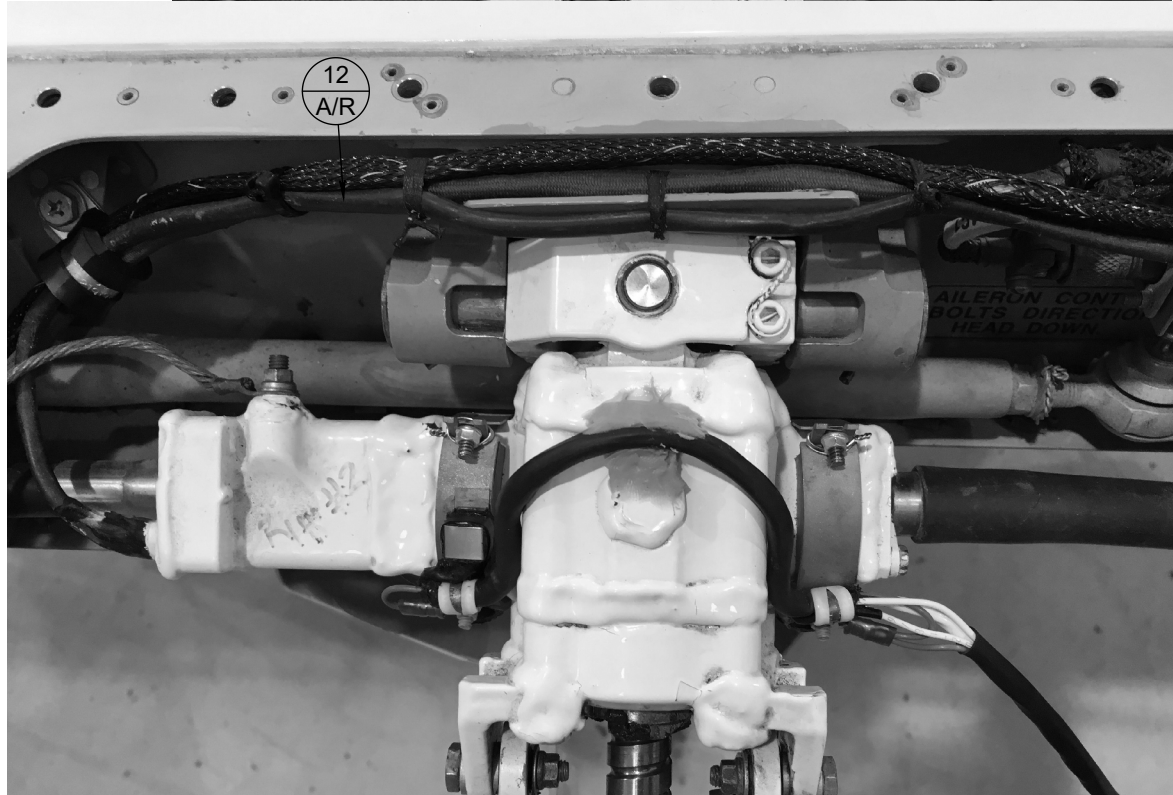
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