

NOTES: REFER TO CIRRUS AIRPLANE MAINTENANCE MANUAL, CHAPTER 51-20 FOR SPECIFICATION ON SURFACE PREPARATION AND BONDING PROCESS. INSTRUCTIONS HERE ARE SUPPLEMENTAL.

- 1) DRAIN FUEL FROM THE TANK(S).
- REMOVE THE MOST INBD AND THE OUTBD FUEL TANK ACCESS PANELS.
- 3) LOCATE SENDER HOLE AND NUTRING FASTENER HOLES FOR THE INBD FUEL SENDER.

 $^{\prime}$ 4 $^{\prime}$ COVER THE INSIDE OF THE FUEL TANK WITH PROTECTIVE PANELS OR CARDBOARD. (SEE SH. 8 IMAGE 1&2).

- 5) REMOVE SEALANT FROM THE WING RIB ON THE TANK SIDE AROUND THE NUTRING LOCATION.
- 6) ABRADE RIB SURFACE WITH 80 TO 120 GRIT SANDPAPER TO REMOVE THE SURFACE SHEEN AND EVEN THE SURFACE. NOTE: DO NOT CUT THROUGH REINFORCEMENT FIBERS, ONLY THE SURFACE RESIN.
- 7) ABRADE SURFACE OF NUTRING WITH 80 TO 120 GRIT SANDPAPER TO REMOVE THE SURFACE SHEEN.

 $^{\prime}$ 8 $^{\prime}$ DRILL ADAPTER PLATE HOLES PER THE TEMPLATE AND CLEAN HOLE EDGES. MOUNT THE ADAPTER PLATE. (SEE SH 8 IMAGE 3).

- 9) APPLY RELEASE AGENT TO ALL BOLTS TO PREVENT THEIR ACCIDENTAL BONDING. ARRANGE BOLTS AND SPRINGS CONTROLLING BOND GAP COMPRESSION TO MAKE AVAILABLE FOR BONDED ASSEMBLY.
- 10) WEAR PROTECTIVE GLOVES.

'11 \setminus WIPE THE RIB SURFACE ABRADED FOR BONDING IN STEP 6 WITH ISOPROPYL ALCOHOL AND A LINT-FREE CLOTH TO REMOVE COMPLETELY SANDING DEBRIS OR RESIN POWDER. (SEE SH. 8 IMAGE 4)

- 12) WIPE NUTRING SURFACE ABRADED FOR BONDING IN STEP 7 WITH ISOPROPYL ALCOHOL TILL CLEAN AND VERIFY SURFACE PREPARATION WITH WATER BREAK TEST. SET ASIDE PROTECTED FROM DUST.
- 13) APPLY CLICKBOND OR EQ ADHESIVE TO WING RIB SURFACE AND NUTRING SURFACE.

 $^{\prime}$ 14 $^{\prime}$ ALIGN NUTRING AND ATTACH WITH BOLTS AND SPRINGS (SUPPLIED). ENSURE BOLTS ARE PROTECTED WITH RELEASE AGENT. (SEE SH. 5)

- 15) ALLOW ASSEMBLY TO CURE FOR 8 HOURS IN ROOM TEMPERATURE.
- 16) LIGHTY ABRADE THE OUTER SURFACE OF THE GASKET TO INSURE TIGHT FIT.
- 17) CLEAN THE GASKET SURFACE WITH ISOPROPYL ALCOHOL.

'18\PLACE THE GASKET UNDER THE SENDER AND BOLT THE FUEL SENDER TO THE NUTRING WITH SUPPLIED FASTENERS. APPLY MIL-S-46163 TYPE II TYPE N MEDIUM THREADLOCKER, OPERATE THE ARM TO ENSURE IT HAS UNRESTRICTED MOVEMENT INSIDE THE TANK. TORQUE BOLTS 20 TO 25 IN-LBS. (SEE SH. 6)

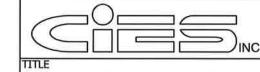
19) RE-SEAL AND INSTALL THE INBD FUEL TANK ACCESS PANELS. IN ACCORDANCE WITH CIRRUS MAINTENANCE MANUAL.

 $^{\prime}$ 20 $^{\prime}$ REMOVE THE OUTBD FUEL SENDER AND REMOVE THE SENDER SUPPORT BRACKET FROM THE WING. (SEE SH. 8 IMAGE 6).

/21\PLACE THE GASKET UNDER THE SENDER AND BOLT THE OUTBD FUEL SENDER WITH SUPPLIED FASTENERS. APPLY MIL-S-46163 TYPE II TYPE N MEDIUM THREADLOCKER. OPERATE THE ARM TO ENSURE IT HAS UNRESTRICTED MOVEMENT INSIDE THE TANK. TORQUE TO 20 TO 25 IN-LBS.

- 22) CONNECT THE SENDER ELECTRICAL CONNECTORS AND VERIFY THAT BOTH SENDERS CONTRIBUTE TO A FREQUENCY OUTPUT (INBD BLUE WIRE) MEASURED WITH A DIGITAL MULTIMETER.
- 23) RESEAL AND INSTALL THE OUTBD FUEL TANK ACCESS PANELS IN ACCORDANCE WITH CIRRUS MAINTENANCE MANUAL.

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INSTALLATION ASSEMBLY -CIRRUS SR22 G1/G2

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DWG NO. SH 3 REV. CC2840330015

120	N/A	WING FUEL RIB TANK				35	
1	TORQUE SEAL	09-05509				34	1
-	EA9396 (OPTIONAL ALTERNATIVE)	EPOXY STRUCTUAL ADHESIVE	HYSOL			33]B
: : :	EA9395 (OPTIONAL ALTERNATIVE)	EPOXY ADHESIVE	HYSOL			32	1
1	CB420 (PREFERED)	ACRYLIC ADHESIVE	CLICKBOND			31]
							1
20	AN3-5	BOLT	(10-32 X 21/32 L)			13	
30	MS51496-P73	WASHER	(#10)			12	
10	9434K510	COMPRESSION SPRINGS	MCMASTER CARR			11]
10	92200A244	SOCKET CAP SCREW	(10-24 X 5/8 L)			10]
2	CC2840450011-001	NUTRING				6	
2	CC2840450005-001	ADAPTER PLATE				5	
2	CC2840450003-001	COVER PLATE				4	
6	CC2840440006-001	GASKET				3	
2	CC2840220016-101	FUEL SENDER ASSEMBLY OUTBD				2	
2	CC2840220015-101	FUEL SENDER ASSEMBLY INBD				1	
QTY	PART NUMBER	DESCRIPTION	MATERIAL/SPECIFICATON	WEIGHT	ZONE	ITEM]
		PARTS LIST					

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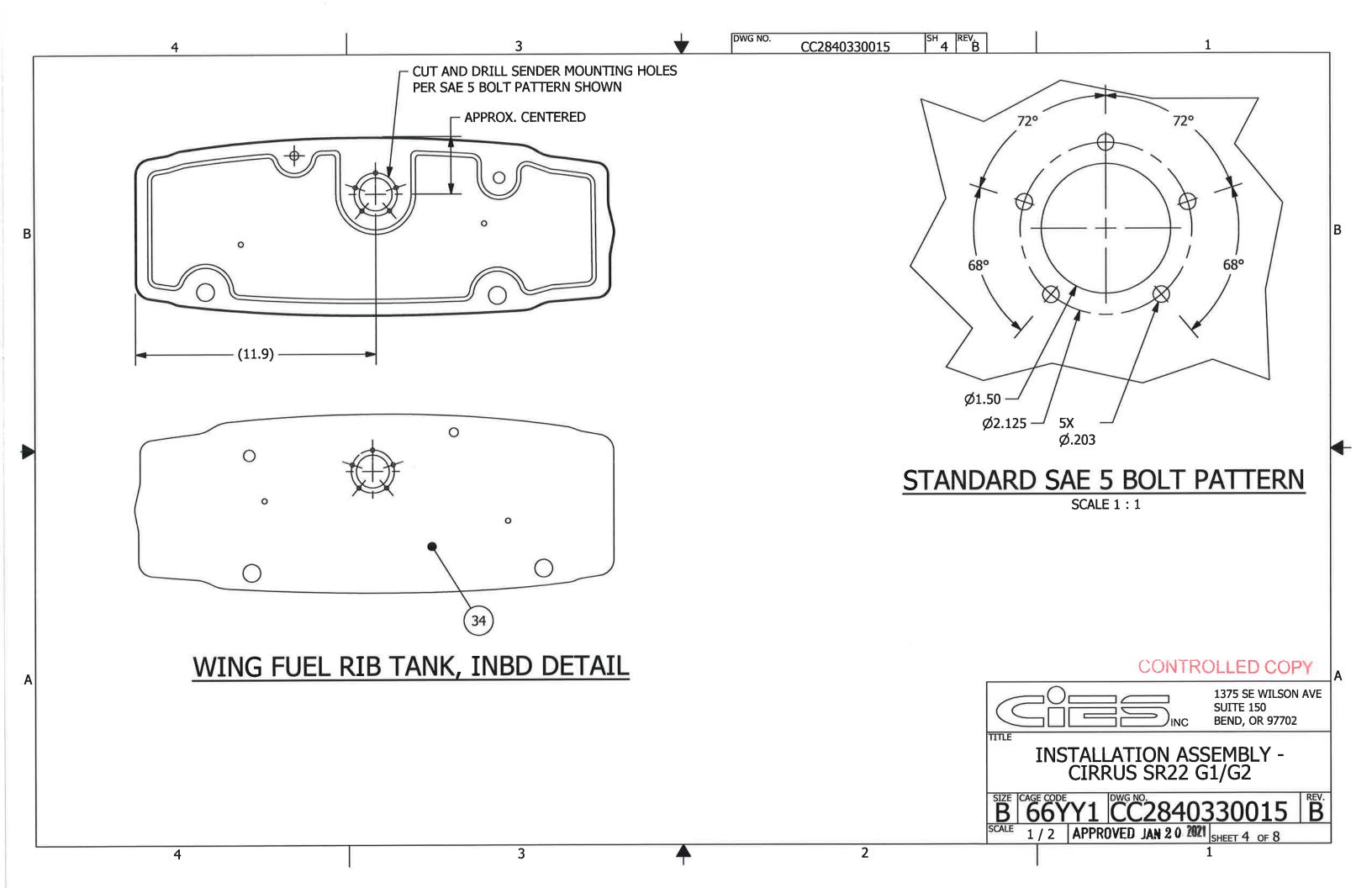
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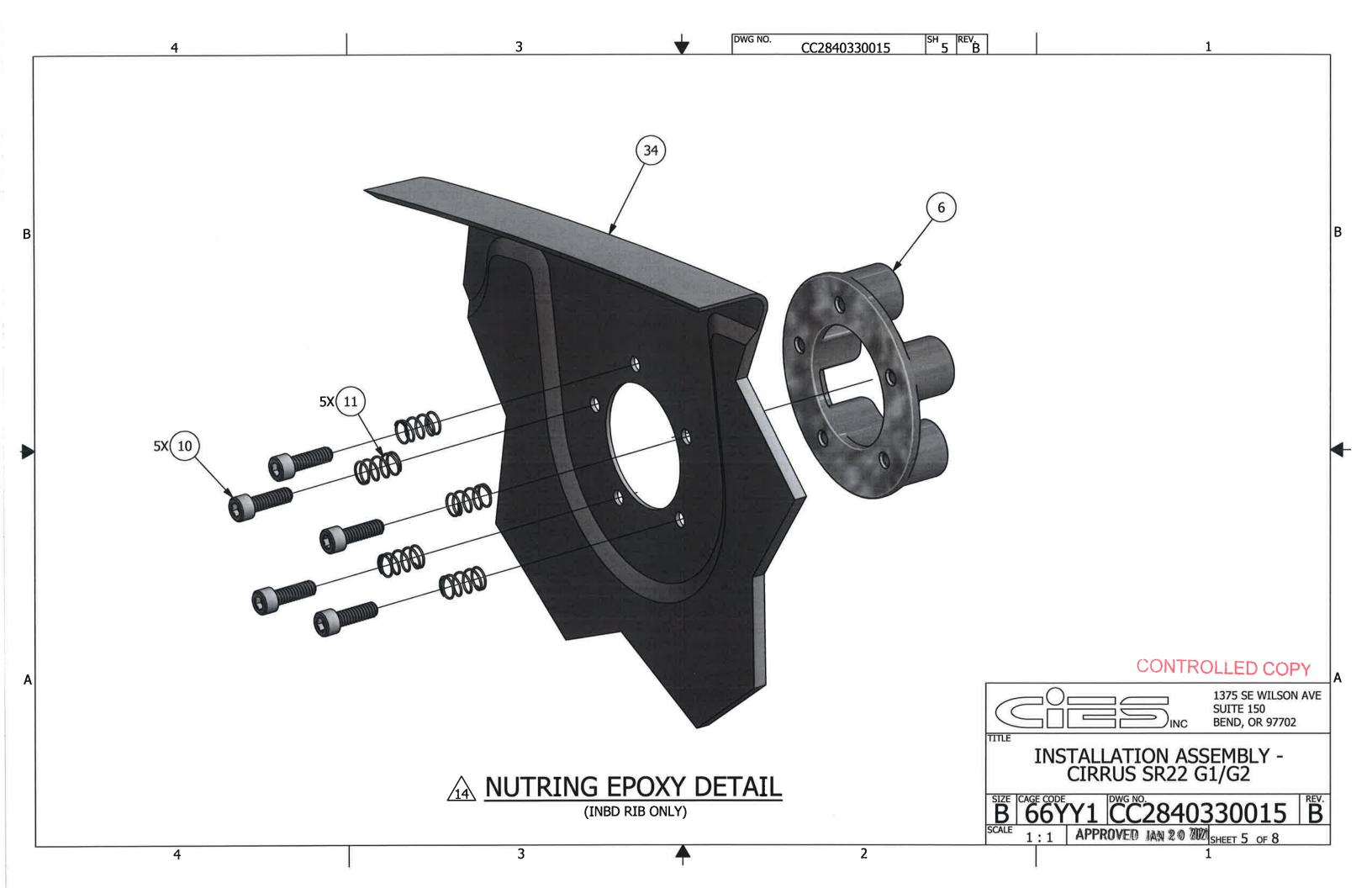
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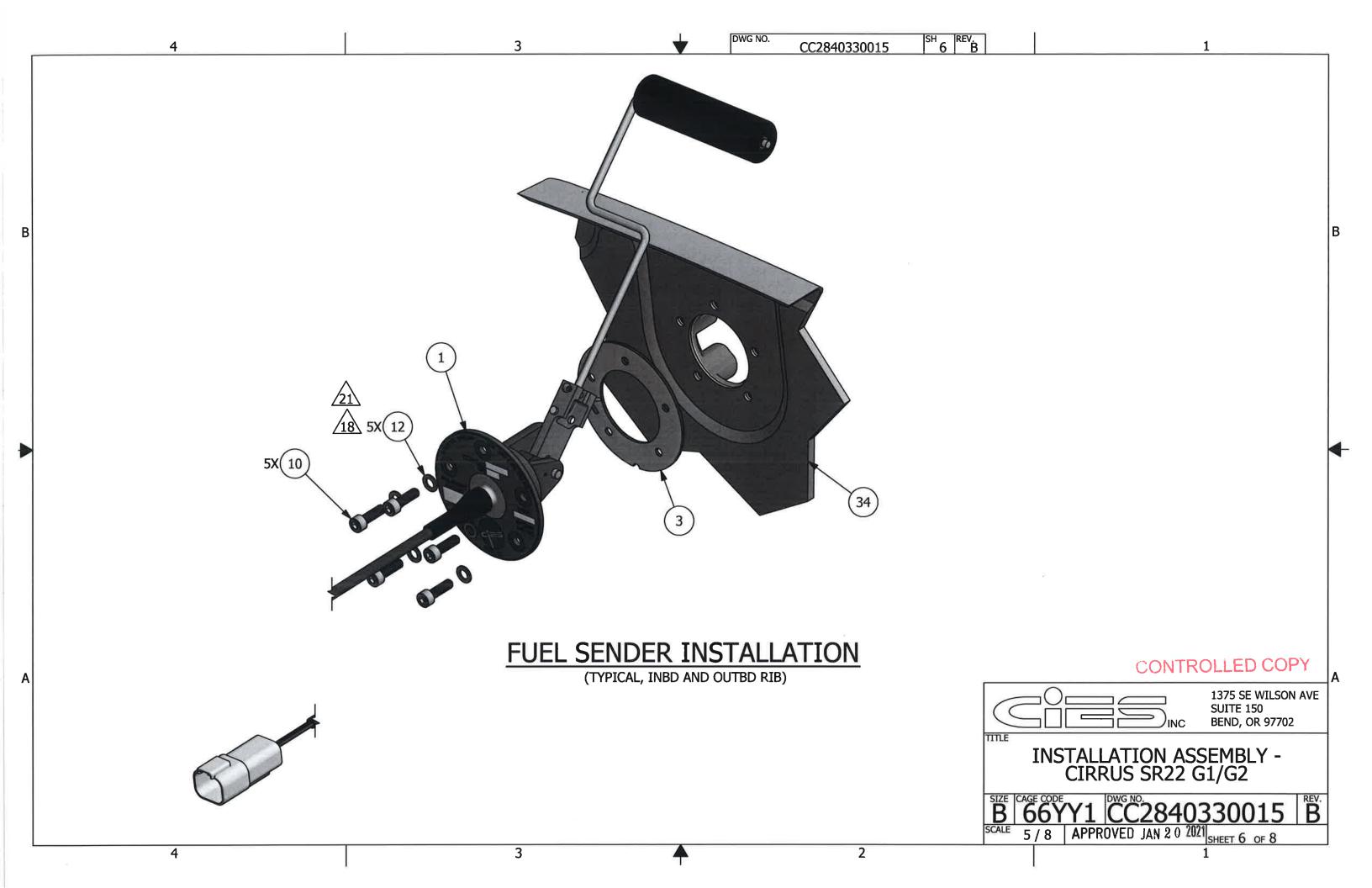
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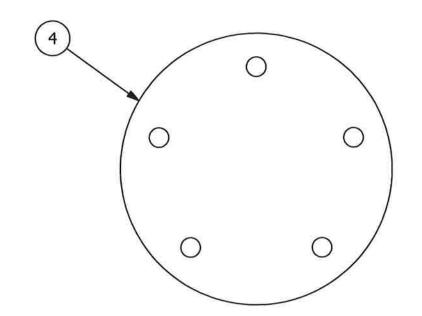


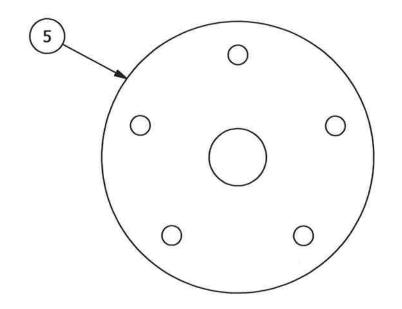




NOTES:

1. OPTIONAL TO REMOVE COLLECTOR TANK FUEL SENDERS AND REPLACE WITH COVER PLATE (ITEM NO.3) AND GASKET (ITEM NO. 2). NOTE: USE EXISTING HARDWARE AND TORQUE 18-22 INCH LBS.





CC2840450003-001 COVER PLATE (OPTIONAL)

CC2840450005-001 ADAPTER PLATE

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| CC2840330015 | E | CC284033001

4

3

2

1



IMAGE NO. 1/4



IMAGE NO. 5 18



IMAGE NO. 2 /8

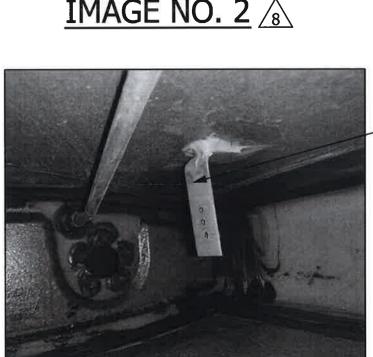


IMAGE NO. 6 20

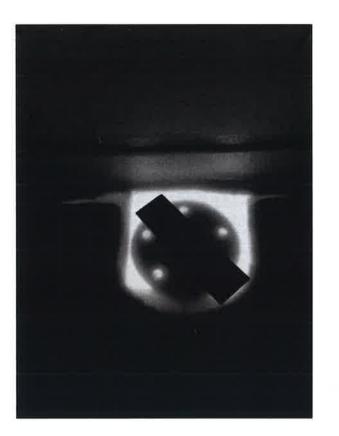


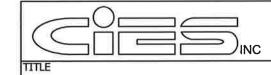
IMAGE NO. 3 🔏



IMAGE NO. 4 11

CUT SUPPORT BRACKET 20

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