

D' Shannon Products, LTD

INSTALLATION MANUAL

DSP-IM95-1

STC No. SA2200SW

DSP-IM95-2

STC No. SA368CH

REVISION F

INSTALLATION DRAWINGS
AND INSTRUCTIONS
ENGINE BAFFLE
10-550/520 CANTED

D' SHANNON PRODUCTS, LTD
800-291-7616, INT'L 763-559-5998

REVISION RECORD			
LTR.	CHANGES	BY	DATE
NC	RELEASED	K. S.	04/24/09
A	REVISED FRONT INSTALLATION	D. B.	12/02/09
B	REVISED REAR INSTALLATION	D. B.	08/31/10
C	FRONT GASKET INSTALLATION	D. B.	01/11/11
D	EASE ALT BOX AND REAR INSTALLATION	D. B.	05/15/13
E	UPDATED DRAWINGS FOR EASE	W. E.	7/2/15
F	ALLOW FOR EASIER GOV ACCESS	L. L.	10/14/15

NEXT ASSY: DRAWN BY: W. E. ENGINEER: R. R. CHECKED BY: L. L.	COVER SHEET
TOLERANCES .X__10 .XXX__01 .XX_03 .XXXX_001 ANGLES ±5% UNLESS STATED	<i>D' SHANNON PRODUCTS, LTD</i> DWG. No. DSP-IM95-1-1 REVISION F SCALE: NONE DATE 10/14/15 SH 1 OF 1

NUMERICAL DRAWING LIST CONTROL

DWG. No.	DATED	REV.	No. SHTS	EFF.	ED	ED	ED	ED	DESCRIPTION
DSP-IM95-1-1	10/14/15	F	1						COVER SHEET
DSP-IM95-1-2	10/14/15	F	1						NUMERICAL DWG. LIST "OPTION A"
DSP-IM95-1-3	10/14/15	E	2						INSTALLATION BILL OF MATERIAL "OPTION A"
DSP-IM95-1-3A	7/2/15	C	1						GENERAL NOTES
DSP-IM95-1-4	7/2/15	B	2						REMOVAL OF THE PROPELLER AND INTAKE PIPES
DSP-IM95-1-5	3/8/10	A	1						REMOVAL OF THE ALTERNATOR AND PROP. GOVERNOR
DSP-IM95-1-6	7/2/15	B	2						REMOVE ORIGINAL BAFFLE NOSE
DSP-IM95-1-7	7/2/15	B	5						INSTALLATION BAFFLE INNER CYLINDER
DSP-IM95-1-8	12/2/09	NC	1						INSTALLATION OF ALTERNATOR BAFFLE RETAINER ASSEMBLY
DSP-IM95-1-9	8/31/10	B	1						INSTALLATION FRONT CYLINDER BAFFLE ASSY.
DSP-IM95-1-10	8/31/10	B	1						REINSTALLATION PROP. GOVERNOR WITH BRACKET
DSP-IM95-1-11	10/14/15	D	4						INSTALLATION BAFFLE FRONT LEFT
DSP-IM95-1-12	10/14/15	B	1						INSTALLATION NOSE BAFFLE
DSP-IM95-1-13	5/15/13	C	7						INSTALLATION ALTERNATOR BAFFLE
DSP-IM95-1-14	5/15/13	B	2						REINSTALLATION ALTERNATOR
DSP-IM95-1-16	12/2/09	A	1						INSTALLATION OF REAR #2 BAFFLE TAB
DSP-IM95-1-17	3/8/10	A	1						REINSTALL INTAKE PIPE LEFT SIDE
DSP-IM95-1-18	3/25/11	B	3						INSTALLATION OF REAR #2 BAFFLE
DSP-IM95-1-19	10/14/15	D	4						INSTALLATION BAFFLE REAR LEFT
DSP-IM95-1-20	7/2/15	C	4						INSTALLATION BAFFLE REAR RIGHT
DSP-IM95-1-21	5/15/13	B	6						INSTALLATION CENTER BRACKET REAR
DSP-IM95-1-23	7/2/15	C	6						INSTALLATION OF SIDE BAFFLES
DSP-IM95-1-24	10/14/15	D	4						INSTALLATION GASKET FRONT
DSP-IM95-1-24A	8/31/10	B	2						REMOVAL OF THE ORIGINAL COWLING GASKETS
DSP-IM95-1-25	7/2/15	B	3						INSTALLATION OF BAFFLE COWLING PLATES
DSP-IM95-1-26A	12/2/09	NC	2						INSTALLATION, COWLING HOSE HOLDER OPTION "A"
* DSP-IM95-1-26B	12/2/09	NC	2						INSTALLATION OF COWLING HOSE HOLDER OPTION "B"
DSP-IM95-1-27	3/8/10	A	1						INSTALLATION OF PROPELLER

REVISION RECORD			
LTR.	CHANGES	BY	DATE
NC	RELEASED	K. S.	04/24/09
A	REVISED FRONT INSTL. MINOR TEXT CHGS. ADDED DWG DSP-IM95-1-8	D. B.	12/02/09
B	REVISED REAR INSTL. MOVED NOTES TO SHEETS	D. B.	08/31/10
C	LONGER FRONT GASKET POP RIVETS	D. B.	01/11/11
D	EASE ALT BOX INSTALLATION EASE REAR BAFFLE INSTALLATION	D. B.	05/15/13
E	RECONCILED REV LEVELS	W. E.	7/13/15
F	CHANGE SCREWS FOR GOV ACCESS	L. L.	10/14/15

* THIS DRAWING IS OPTIONAL AND SHALL REPLACE DRAWING DSP-IM95-1-26A WHEN THE AIR DISCHARGE TUBE ASSEMBLY IS REQUIRED.

NEXT ASSY: DRAWN BY: W. E. ENGINEER: R. R. CHECKED BY: L. L.	NUMERICAL DRAWING LIST "OPT A"
TOLERANCES X__10 .XXX__01 .XX__03 .XXXX__001 ANGLES ±5% UNLESS STATED	D' SHANNON PRODUCTS, LTD
DWG. No. DSP-IM95-1-2 SCALE: NONE	REVISION F DATE 10/14/15 SH 1 OF 1

47	DSP-IM95-1-21	1	244058	REAR RETAINER REAR BAFFLE
46	DSP-IM95-1-21	1	244057	FRONT RETAINER REAR BAFFLE
45	DSP-IM95-1-19	1	AN931-12-17	GROMMET
44	DSP-IM95-1-20	1	244076Z	ASSEMBLY STARTER STUD BRACKET
43	DSP-IM95-1-20	1	244011Z	#1 CYLINDER LOWER FORWARD BAFFLE ASSY.
42	DSP-IM95-1-20	1	244069Z	BAFFLE REAR CANTED RIGHT ASSEMBLY
41	DSP-IM95-1-11/12	14	MS35206-243	PAN HEAD SCREW
40	DSP-IM95-1-19	8	AN3-4A	BOLT UNDRILLED #10-32
39	DSP-IM95-1-19	1	244067Z	BAFFLE REAR CANTED LEFT ASSEMBLY
38	DSP-IM95-1-18	1	244004Z	#2 CYLINDER VERTICAL HEAD BAFFLE ASSY.
37	DSP-IM95-1-18	1	244023Z	#2 CYLINDER LOWER AFT. BAFFLE ASSY.
36	DSP-IM95-1-16	1	AN936A-616	INTERNAL TOOTH LOCKWASHER
35	DSP-IM95-1-16	1	AN960-616	FLAT WASHER
34	DSP-IM95-1-16	1	AN76A-06 DR MS20074-06-06	DRILLED HEAD BOLTS
33	DSP-IM95-1-16	1	244005Z	#2 CYLINDER/OIL COOLER CASE BRACKET ASSY.
32	DSP-IM95-1-11	1	244113-2Z	BAFFLE FRONT TUNNEL BOTTOM ASSY
31	DSP-IM95-1-11	1	244113-1Z	BAFFLE FRONT TUNNEL TOP ASSY
30	DSP-IM95-1-13	1	244120Z	ALTERNATOR BAFFLE ASSEMBLY
29	DSP-IM95-1-13	1	244119Z	ALTERNATOR BRACKET ASSEMBLY
28	DSP-IM95-1-13	1	244118Z	ALTERNATOR BAFFLE ASSEMBLY
27				
26	DSP-IM95-1-12	1	244103Z	BAFFLE NOSE ASSEMBLY
25	DSP-IM95-1-13	22	AN526C632-R6	TRUSS HEAD MACHINE SCREW
24	DSP-IM95-1-11	1	244113	BAFFLE FRONT
23	DSP-IM95-1-11	1	244116Z	BRACKET FRONT ASSEMBLY
22	DSP-IM95-1-11	1	244112Z	BAFFLE FRONT ASSEMBLY
21				
20	DSP-IM95-1-18/-19/20/21/23	40	MS35206-227	PAN HEAD MACHINE SCREW
19	DSP-IM95-1-20	2	AN3-3A	BOLT UNDRILLED #10-32
18				
17				
16	DSP-IM95-1-10	1	244115Z	PROPELLER GOVERNOR BRACKET ASSEMBLY
15	DSP-IM95-1-21/23	9		REDUCED DIMENSION LOCKNUT
14	DSP-IM95-1-18/-19/23	7	AN960C6	FLAT WASHER
13				
12	DSP-IM95-1-9	1	BBF-A05-A	BAFFLE FRONT ASSEMBLY
11	DSP-IM95-1-8	1	244117Z	ALTERNATOR BAFFLE RETAINER ASSEMBLY
10	DSP-IM95-1-7	4	NAS679A3	LOW HEIGHT HEX. LOCKNUT
9	DSP-IM95-1-7/19	14	MS21042-3	REDUCED DIMENSION LOCKNUT
8	DSP-IM95-1-7/19/20	22	AN960-10	FLAT WASHER
7				
6	DSP-IM95-1-7	4	244093	ROD CONNECTOR, CYLINDER INNER
5				
4	DSP-IM95-1-7	4	244052	SUPPORT, ENGINE BAFFLE
3	DSP-IM95-1-7	1	244020Z-1	INNER CYLINDER BOTTOM LARGE SLOT BAFFLE ASSY.
2	DSP-IM95-1-7	1	244020Z	INNER CYLINDER BOTTOM SHORT SLOT BAFFLE ASSY.
1	DSP-IM95-1-7	2	244018Z	INNER CYLINDER BOTTOM BAFFLE ASSY.
ITEM	LOCATION OF ITEMS	QTY.	PART NUMBER	DESCRIPTION

REVISION RECORD			
LTR.	CHANGES	BY	DATE
NC	RELEASED	K. S.	04/24/09
A	ADDED ITEM 31 & 32. INCR QTY OF ITEM 25 ITEM 27 NOW ITEM 11.	D. B.	12/02/09
B	REMOVED SH 3, INC INFO ON SH 2	D. B.	01/11/11
C	STARTER STUD BRACKET NOW AN ASSEMBLY	D. B.	05/15/13
D	RELABEL PARTS/CHANGE QUANTITY	W. E.	7/2/15
E	ADD ITEM 41/55, REDUCE QTY ITEM 25/48	L. L.	10/14/15

NEXT ASSY:		INSTALLATION BILL OF MAT'L 'OPT A'	
DRAWN BY: W. E.			
ENGINEER: R. R.			
CHECKED BY: L. L.			
TOLERANCES		D' SHANNON PRODUCTS, LTD	
X_.10 .XXX_.01			
XX_.03 .XXXX_.001			
ANGLES ±5%		DWG. No. DSP-IM95-1-3	REVISION E
UNLESS STATED		SCALE: NONE	DATE 10/14/15 SH 1 OF 2

**86	DSP-IM95-1-10	6	AN960-516L	FLAT WASHER
****85	DSP-IM95-1-23	4	244045-1	BRACKET BAFFLE SIDE
84				
83	DSP-IM95-1-13	A. R.	MS21266-1N	GROMMET PLASTIC ENDING
82	DSP-IM95-1-13	1	244021Z	BRACKET, ALTERNATOR, BAFFLE ASSEMBLY.
***81	DSP-IM95-1-20	1	244069Z-3	BAFFLE REAR CANTED RIGHT ASSEMBLY
***80	DSP-IM95-1-20	1	244069Z-2	BAFFLE REAR CANTED RIGHT ASSEMBLY
***79	DSP-IM95-1-20	1	244069Z-1	BAFFLE REAR CANTED RIGHT ASSEMBLY
78	DSP-IM95-1-7/14/18/20/23/25/26/26A	1	G. E. SILICONE II	SILICONE SEALANT
77	DSP-IM95-1-26	2	AN960-C4	FLAT WASHER
*76	DSP-IM95-1-26A	1	242016Z	AIR DISCHARGE TUBE ASSEMBLY
75	DSP-IM95-1-26	1	242005	COWLING, HOSE HOLDER
74	DSP-IM95-1-25	1	242004	BAFFLE COWLING INSIDE LEFT
73	DSP-IM95-1-25	1	242003	BAFFLE COWLING INSIDE RIGHT
72	DSP-IM95-1-24	1	244118G	GASKET ALTERNATOR CANTED
71	DSP-IM95-1-24	1	244113G	GASKET FRONT CANTED
70	DSP-IM95-1-24	1	244112G	GASKET FRONT CANTED
69	DSP-IM95-1-24	1	244103G	GASKET NOSE CANTED
68	DSP-IM95-1-24	1	244119B	RETAINER STRIP
67	DSP-IM95-1-24	1	244119A	RETAINER STRIP
66	DSP-IM95-1-24	1	244118A	RETAINER STRIP
65	DSP-IM95-1-24	1	244116A	RETAINER STRIP
64				
63	DSP-IM95-1-24	1	244113B	RETAINER STRIP
62	DSP-IM95-1-24	1	244113A	RETAINER STRIP
61	DSP-IM95-1-24	1	244112A	RETAINER STRIP
60	DSP-IM95-1-24	1	244103A	RETAINER STRIP
59	DSP-IM95-1-25/26/26A/26B	46	AD44H	PDP RIVET
58	DSP-IM95-1-24	30	AD46H	PDP RIVET
57				
56	DSP-IM95-1-23	5	AN931-4-7	ELASTIC GROMMET
55	DSP-IM95-1-24	3	MS35206-331	PAN HEAD SCREW
54	DSP-IM95-1-23	1	244098Z	BAFFLE SIDE RIGHT CANTED ASSEMBLY
53	DSP-IM95-1-23	1	244097Z	BAFFLE SIDE LEFT CANTED ASSEMBLY
52	DSP-IM95-1-23	1	244050Z	BRACKET BAFFLE SIDE
51	DSP-IM95-1-23	1	244048Z	BRACKET BAFFLE SIDE
50	DSP-IM95-1-23	2	244047Z	BRACKET BAFFLE SIDE
49	DSP-IM95-1-23	4	244045	BRACKET BAFFLE SIDE
48	DSP-IM95-1-21	6	AN526C632R8	TRUSS HEAD MACHINE SCREW
ITEM	LOCATION OF ITEMS	QTY.	PART NUMBER	DESCRIPTION

** ITEM (86) IS USED WHEN NEEDED TO SUPPORT ITEM (16) IF PROP GOVERNOR HAS A RECESSED INTERFACE FOR ITEM (16). THIS PROVIDES THE RIGID SUPPORT NEEDED.

**** ITEM (85) IS OPTIONAL AND WILL REPLACE ITEM (49)

*** THIS ITEM IS OPTONAL AND WILL REPLACE ITEM (42)

* ITEM (76) IS OPTIONAL AND SHALL REPLACE ITEM (75) IF AIR DISCHARGE TUBE ASSEMBLY IS REQUIRED.

NEXT ASSY:		INSTALLATION BILL OF MAT'L 'OPT A'	
DRAWN BY: W. E.			
ENGINEER: R. R.			
CHECKED BY: L. L.			
TOLERANCES		<i>D' SHANNON PRODUCTS, LTD</i>	
X__10 .XXX__01			
.XX__03 .XXXX__001		DWG. No. DSP-IM95-1-3	
ANGLES ±5%		REVISION E	
UNLESS STATED		SCALE: NONE DATE 10/14/15 SH 2 OF 2	

REVISION RECORD

LTR.	CHANGES	BY	DATE
NC	RELEASED	K. S.	04/24/09
A	REWORDED FOR CLARITY	D. B.	08/31/10
B	ADD NOTE 9.	D. B.	05/15/13
C	UNDERLINE FOR CLARITY	W. E.	7/2/15

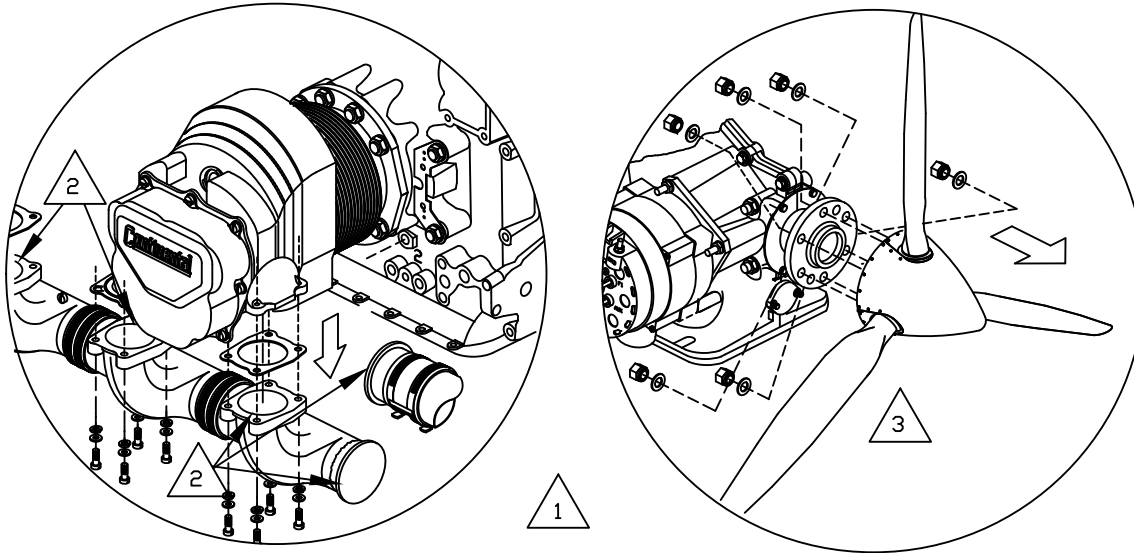
GENERAL NOTES: COOLING SYSTEM (BAFFLES)

- TORQUE ROCKER BOX COVER SCREWS BETWEEN 45 TO 55 IN/LB PER TCM SPECS. AFTERMARKET ROCKER BOX COVER GASKET INSTALLATIONS MAY REQUIRE SPECIAL TORQUE SPECS.
- THROUGH EXPERIENCE, SUBSTANTIAL IMPROVEMENTS IN THE COOLING EFFICIENCY TO THE AFT CYLINDERS HAS BEEN NOTED BY SIMPLY ROTATING THE MAGNETS UPWARDS AS FAR AS POSSIBLE WITHOUT INTERFERING WITH THE COWLING; AND ROUTING THE IGNITION HARNESS AS HIGH AS POSSIBLE SO AS NOT TO IMPEDE AIRFLOW TO 1, 2, 3 AND 4 CYLINDERS OR TO THE OIL COOLER. RETIME THE MAGNETS IF THEY ARE ROTATED. MAINTAIN A MINIMUM OF 1/4" CLEARANCE BETWEEN THE MAGNET AND THE COWL.
- FOR BEST RESULTS INSTALL THE COMPLETE BAFFLE KIT. IT IS PERMISSIBLE AND DOES NOT INVALIDATE THIS STC TO INSTALL THE FRONT BAFFLE, SIDE BAFFLE, REAR BAFFLE, OR INNER CYLINDER BAFFLE INDEPENDENT OF EACH OTHER, REPLACING THE BEECH FACTORY INSTALLED PIECES UNTIL SUCH TIME AS IT IS CONVENIENT TO INSTALL THE BALANCE OF THE BAFFLE KIT.
- PRIOR TO COWLING INSTALLATION MAINTAIN A 1/8" CLEARANCE BETWEEN THE SEAL AND THE COWLING PLATES INSTALLED BY THIS KIT. ADDRESS ANY INTERFERENCE BETWEEN THE KIT AND THE AIRFRAME PRIOR TO RELEASING THE AIRCRAFT FOR FLIGHT.
- TEFLON TAPE MAY BE INSTALLED TO THE ADJACENT WEARING SURFACE TO MINIMIZE SEAL WEAR.
- CYLINDER HEAD TEMPERATURE PROBE (CHT) IS TO BE LOCATED IN CYLINDER #2. MOVE THE PROBE TO #2 AS REQUIRED. ORIGINAL CHT PROBE IS NOT TO BE REPLACED BY AFTER-MARKET SINGLE OR MULTI-PROBE UNITS UNLESS THE UNIT IS CERTIFIED AS PRIMARY (MANY ARE NOT).
- IF THE AIRCRAFT IS EQUIPPED WITH AN ACCESSORY PAD MOUNTED BACK-UP GENERATOR, MOUNT THE COOLING INTAKE BLAST TUBE INLET TO THE RIGHT SIDE OF THE UNIT THROUGH THE RIGHT SIDE OF THE REAR BAFFLE PART NO. 244069Z, 244069Z-1, 244069Z-2 OR 244069Z-3 AS HIGH AS POSSIBLE. SHORTEN THE TUBE OR REPLACE WITH A LONGER FLANGE-TYPE BLAST TUBE AS REQUIRED. DO NOT MOUNT THE BLAST TUBE IN ITS ORIGINAL CENTER POSITION. ASSURE TUBE IS PROPERLY SECURED AND THAT THE EXHAUST IS AIMED AT THE OPEN AREA OF THE GENERATOR CASING.
- MOUNT THE EXISTING FLANGE-TYPE COOLING BLAST TUBE FOR THE PRESSURE PUMP THROUGH THE RIGHT SIDE OF THE REAR BAFFLE PART NO. 244069Z, 244069Z-1, 244069Z-2 OR 244069Z-3 AS HIGH AS POSSIBLE. SHORTEN THE TUBE OR REPLACE WITH LONGER FLANGE-TYPE BLAST TUBE AS REQUIRED. DO NOT MOUNT THE BLAST TUBE IN ITS ORIGINAL POSITION ON THE ORIGINAL BAFFLE. ASSURE THAT THE TUBE IS PROPERLY SECURED AND THAT THE EXHAUST IS AIMED AT THE CENTER OF THE PRESSURE PUMP.
- NOTE: THIS BAFFLE KIT WAS CAREFULLY MADE TO FIT THE MAJORITY OF BONANZA OR DEBONAIR AIRCRAFT CONFIGURED WITH AN IO-520/550 ENGINE, EITHER ORIGINALLY OR THROUGH AN STC. VARIANCES IN TOOLING THE AIRCRAFT OR ENGINE OVER THE YEARS REQUIRES CARE IN HAND FITTING SOME PARTS; OCCASIONALLY ENLARGING FASTENER HOLES; AND PROVIDING THROUGH HOLES FOR EQUIPMENT PREVIOUSLY INSTALLED. SOMETIMES, LOOSE ASSEMBLY OF PORTIONS OF THE KIT AND THEN TIGHTENING IN PLACE WILL AID IN LINING UP PARTS AND WILL SPEED INSTALLATION. ANY MODIFICATIONS TO THE KIT SHOULD BE MADE IN ACCORDANCE WITH AC-43.13-1B. IF YOU HAVE ANY QUESTIONS ABOUT YOUR INSTALLATION, PLEASE CONTACT THE D' SHANNON FACTORY AT ONE OF THE TELEPHONE NUMBERS PROVIDED ON THE COVER OF THESE INSTRUCTIONS.

NEXT ASSY: DRAWN BY: W. E. ENGINEER: R. R. CHECKED BY: L. L.	GENERAL NOTES		
<u>TOLERANCES</u> .X_.10 .XXX_.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	D' SHANNON PRODUCTS, LTD		
	DWG. No. DSP-IM95-1-3A	REVISION	C
	SCALE: NONE	DATE	7/2/15 SH 1 OF 1

REVISION RECORD

LTR.	CHANGES	BY	DATE
NC	RELEASED	K. S.	04/24/09
A	MOVED NOTES, REMOVED SH 3	D. B.	03/08/10
B	REMOVE INCORRECT INSTRUCTIONS	W. E.	7/2/15



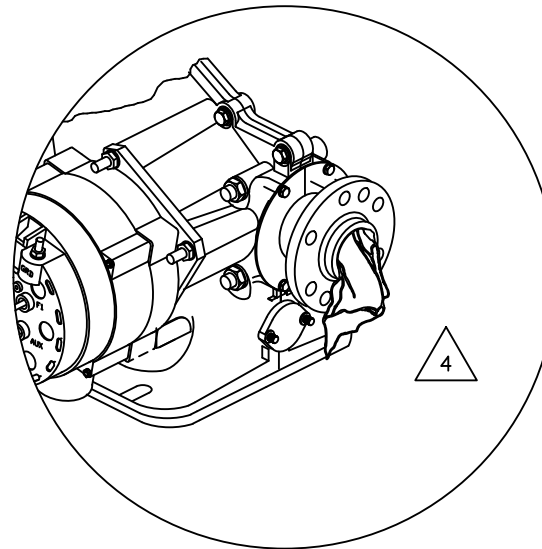
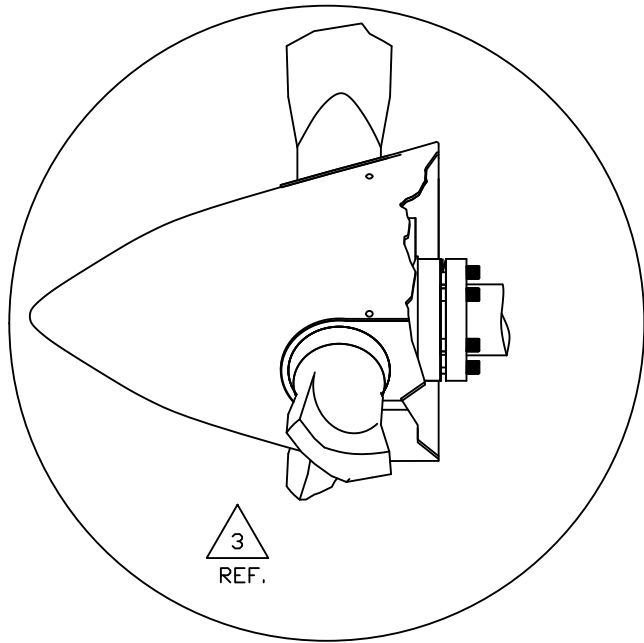
3 REMOVE THE PROPELLER FOR EASIER INSTALLATION OF THE BAFFLES IN THE FRONT OF THE ENGINE.

2 FOR A COMPLETE BAFFLE INSTALLATION REMOVE THE INTAKE PIPES ON BOTH SIDES AS A UNIT (ALL THREE CYLINDER'S WORTH ONLY NOT THE CROSS OVER PIPE IN FRONT OF THE ENGINE NOR THE BOTTOM "Y" TUBE) BE SURE TO COVER ALL ENDS OF EACH INTAKE PIPE REMOVED FROM THE ENGINE AND THE CROSS OVER PIPE AND THE "Y" PIPE.

1 WE RECOMMEND THE COMPLETE BAFFLE KIT INSTALLATION, HOWEVER IF THIS INSTALLATION IS TO BE INSTALLED ON AN ENGINE WHICH ALREADY HAS BEECH BAFFLES INSTALLED YOU MAY DELETE THE INSTALLATION OF THE FOUR INNER CYLINDERS BAFFLES. THE BAFFLES DO HOWEVER HAVE TO BE INSTALLED CORRECTLY AND IT WILL BE UP TO THE INSTALLER TO CHECK AND CORRECT ANY EXISTING BAFFLING THAT MAY NOT BE INSTALLED CORRECTLY.

NOTES:

ITEM	QTY	PART No.	MATERIAL
NEXT ASSY:		REMOVAL OF PROP. AND INTAKE PIPES	
DRAWN BY: W. E.			
ENGINEER: R. R.			
CHECKED BY: L. L.			
TOLERANCES		D' SHANNON PRODUCTS, LTD	
.X__10 .XXX__01			
.XX__03 .XXXX__001		DWG. No. DSP-IM95-1-4 REVISION B	
ANGLES ±5%		SCALE: NONE DATE 7/2/15 SH 1 OF 2	
UNLESS STATED			



4 WHEN THE PROPELLER HAS BEEN REMOVED CAP THE END OF THE PROPELLER SHAFT. REMOVE THE STAPLES AROUND THE BAFFLE BELOW THE PROPELLER SHAFT AND THE BAFFLE THAT COVERS THE PROP GOVERNOR. REMOVE THE RUBBER IN ITS ENTIRETY. CLEAN OFF ANY RESIDUE AND ANY MATERIAL THAT COULD GET INTO AN OPEN ENGINE.

3 REMOVE THE PROPELLER FOR EASIER INSTALLATION OF THE BAFFLES IN THE FRONT OF THE ENGINE.

NOTES:

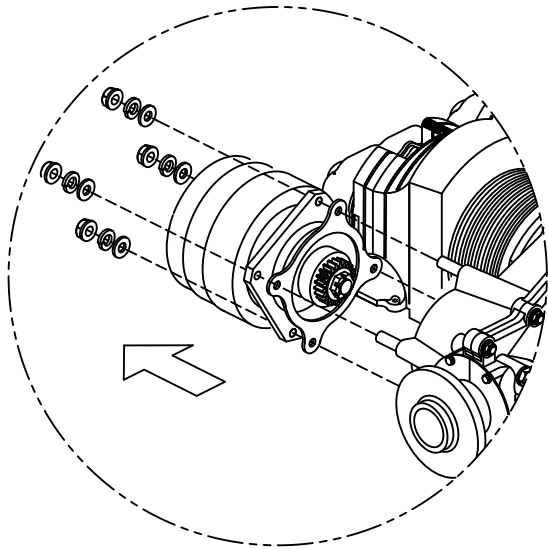
NEXT ASSY:
DRAWN BY: W. E.
ENGINEER: R. R.
CHECKED BY: L. L.

REMOVAL OF PROP. AND INTAKE PIPES

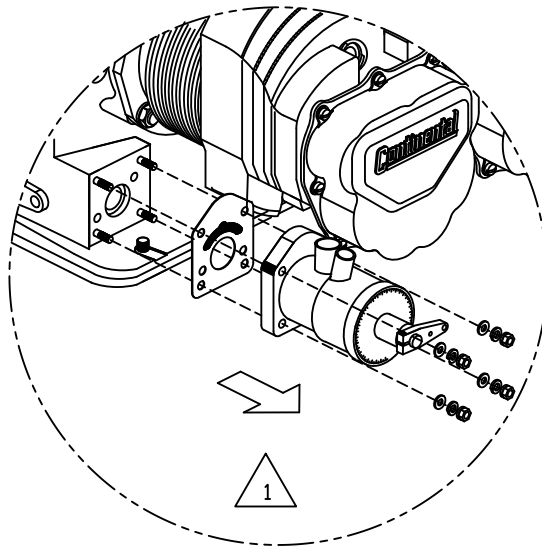
TOLERANCES
.X_.10 .XXX_.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

D' SHANNON PRODUCTS, LTD

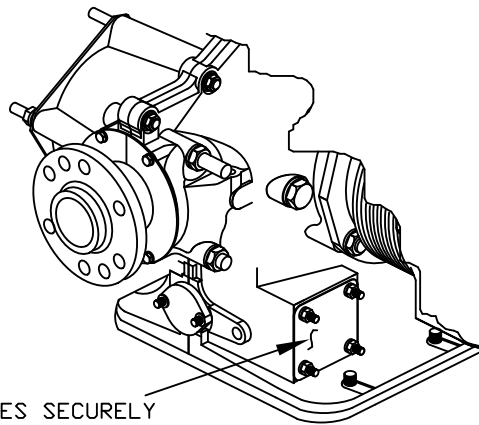
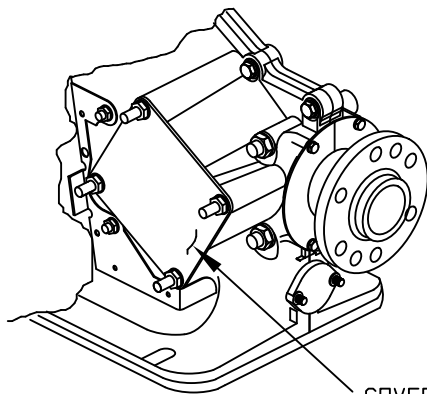
DWG. No. DSP-IM95-1-4 REVISION B
SCALE: NONE DATE 7/2/15 SH 2 OF 2



2



1



COVER HOLES SECURELY
AFTER REMOVAL OF THE
GOVERNOR AND ALTERNATOR

2 DOES NOT SHOW OLD BAFFLES

- 1 REMOVE ALL OLD BAFFLING FROM THE ENGINE (IF APPLICABLE). TAKE THE UTMOST CARE IN THE FOLLOWING TO PREVENT DAMAGING ENGINE GASKETS:
- (A) REMOVE THE ALTERNATOR AND THE PROP GOVERNOR.
 - (B) COVER OPENINGS SECURELY.
 - (C) TO REMOVE OLD BAFFLES AND INSTALL NEW ONES, ON THE FIFTH AND SIXTH CYLINDER IT WILL BE NECESSARY TO REMOVE SOME VALVE COVER SCREWS IF REMOVING OLD BAFFLING.

NOTES:

REVISION RECORD

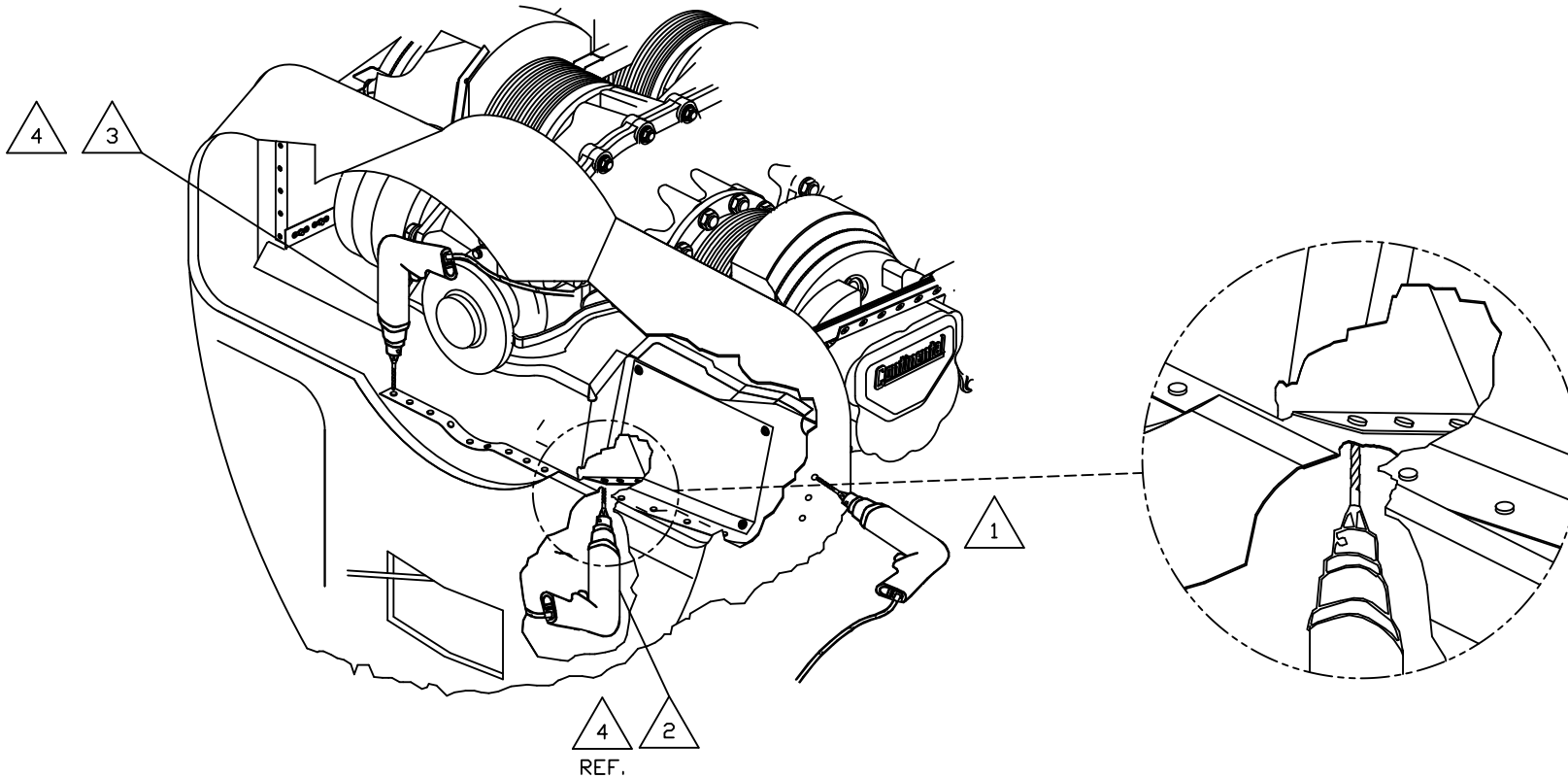
LTR.	CHANGES	BY	DATE
NC	RELEASED	K. S.	04/24/09
A	MOVED NOTES. REMOVED SH 2	D. B.	03/08/10

ITEM	QTY	PART No.	MATERIAL
NEXT ASSY: DRAWN BY: K. R. S. ENGINEER: D. BRAUN CHECKED BY: D. B.			REMOVAL OF ALT. AND PROP. GOVERNOR
TOLERANCES .X__10 .XXX__01 .XX_03 .XXXX_001 ANGLES ±5% UNLESS STATED			D' SHANNON PRODUCTS, LTD
DWG. No. DSP-IM95-1-5			REVISION A
SCALE: NONE			DATE 04/24/09 SH 1 OF 1

OPTION "A"

(TO BE USED WITH AN INSTALLED ENGINE)

REVISION RECORD			
LTR.	CHANGES	BY	DATE
NC	RELEASED	K. S.	04/24/09
A	REVISED AND MOVED NOTES. REMOVE SH 2.	D. B.	08/31/10
B	ADDED NOTE 5	W. E.	7/2/15



△ 4 △ 2
REF.

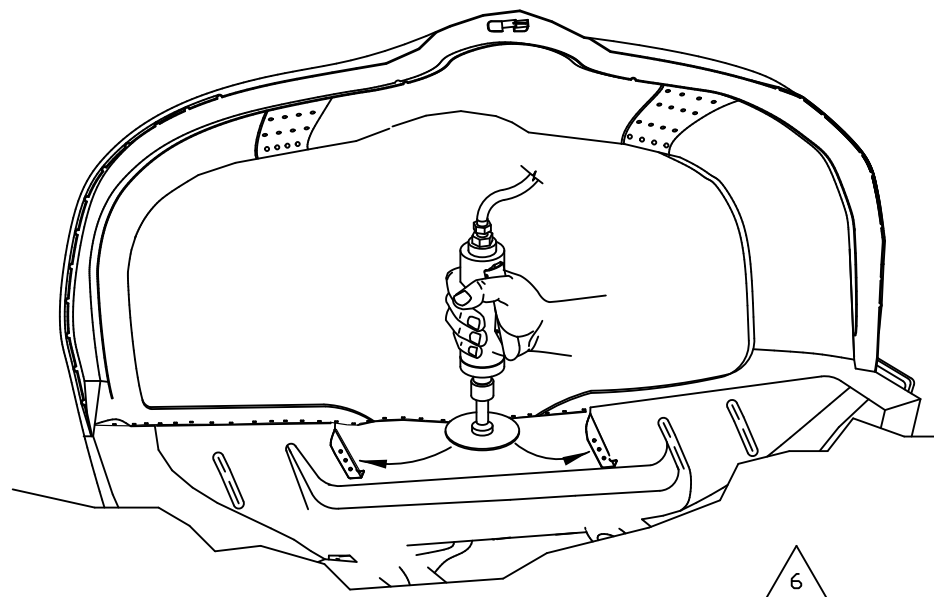
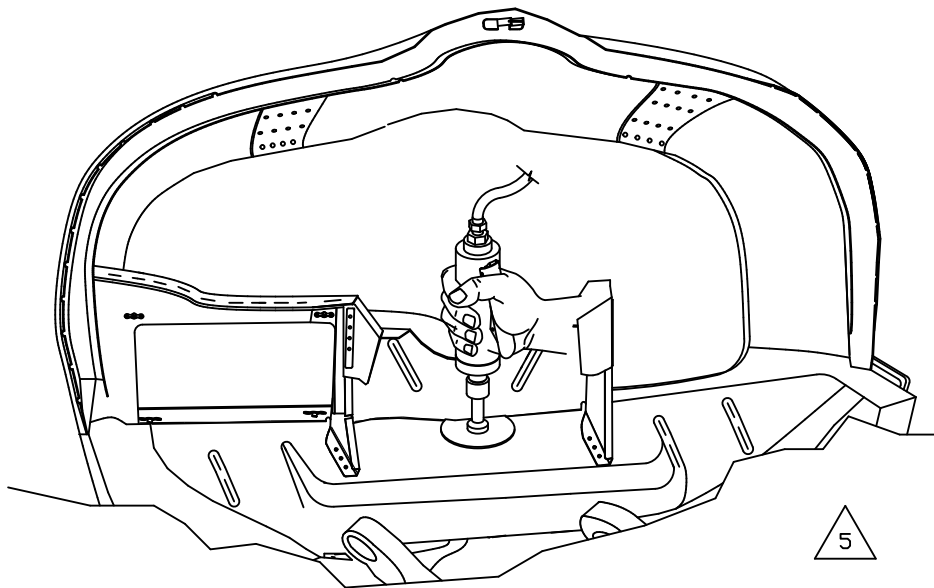
- △ 5. ANOTHER OPTION IS TO "SCORE" BAFFLE AT BEND POINT WITH A SHARP CARPENTERS KNIFE. GENTLY ROCK BAFFLE BACK AND FORTH UNTIL IT BREAKS, ALLOWING BETTER ACCESS TO RIVETS. CAREFULLY GRIND RIVET HEADS WITH A RIGHT ANGLE DIE-GRINDER
- △ 4. COVER THE HOLES MADE WHILE REMOVING RIVETS WITH ALUMINUM TAPE. MAKE SURE THAT ANY NOSE AREA THAT WILL BE IN CONTACT WITH THE TAP IS FREE OF DUST, DIRT OR ANY OTHER CONTAMINATES.
- △ 3. TO REMOVE THE INSIDE SOLID RIVETS GAIN ACCESS THROUGH THE NOSE AIR ENTRANCE AS SHOWN.
- △ 2. TO REMOVE THE SOLID RIVETS SHOWN GAIN MORE SPACE FOR THE DRILL BY LIFTING THE NOSE FLANGE GENTLY.
- △ 1. REMOVE THE OLD SOLID RIVETS AND REPLACE WITH COUNTERSUNK RIVETS OF THE SAME SIZE.

NOTES:

NEXT ASSY: DRAWN BY: W. E. ENGINEER: R. R. CHECKED BY: L. L.	REMOVE ORIGINAL BAFFLE NOSE
TOLERANCES X__10 .XXX__01 .XX__03 .XXXX__001 ANGLES ±5% UNLESS STATED	D' SHANNON PRODUCTS, LTD
DWG. No. DSP-IM95-1-6	REVISION B
SCALE: NONE	DATE 7/2/15 SH 1 OF 2

OPTION "B"

<TO BE USED IF THE ENGINE IS NOT INSTALLED>



6 USING A CUTTING TOOL, REMOVE ALL SHARP EDGES AND BURRS. SMOOTH ALL THE EDGES WITH A FILE.

5 CUT THE ORIGINAL BAFFLES AS CLOSE AS POSSIBLE TO THE NOSE SURFACE. WARNING: DO NOT DAMAGE THE NOSE SURFACE WHILE CUTTING OFF THE OLD BAFFLES.

NOTES:

NEXT ASSY:
DRAWN BY: W. E.
ENGINEER: R. R.
CHECKED BY: L. L.

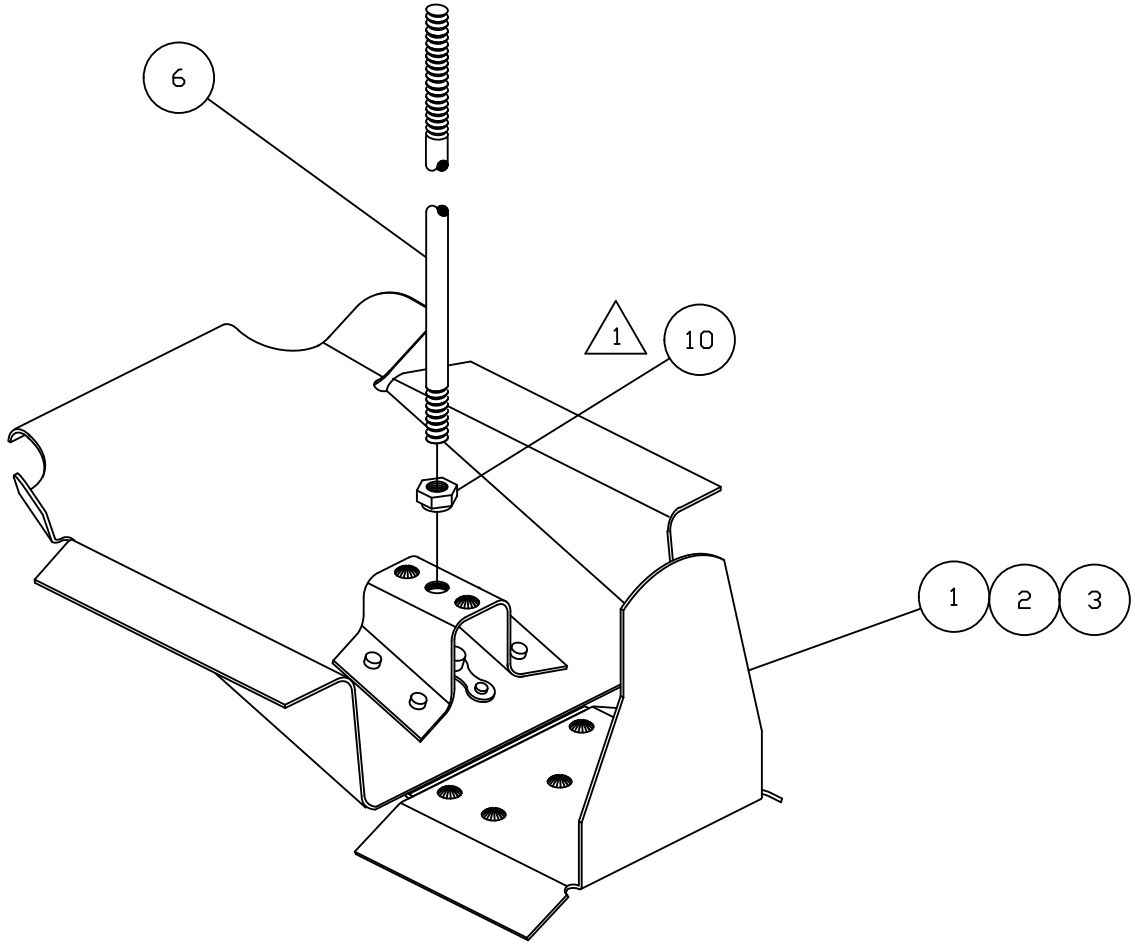
REMOVE ORIGINAL BAFFLE NOSE

TOLERANCES
.X__10 .XXX__01
.XX_03 .XXXX_001
ANGLES ±5%
UNLESS STATED

D' SHANNON PRODUCTS, LTD

DWG. No. DSP-IM95-1-6 REVISION B
SCALE: NONE DATE 7/2/15 SH 2 OF 2

REVISION RECORD			
LTR.	CHANGES	BY	DATE
NC	RELEASED	K. S.	04/24/09
A	REVISE NOTES. REMOVE SHEET 6.	D. B.	08/30/10
B	ADDED NOTE 10, REVISED NOTE 7	W. E.	7/2/15



78	A. R.	G. E. SILICONE II	SILICONE SEALANT
10	4	NAS679A3	LOW HEIGHT HEX LOCKNUT
9	4	MS21042-3	REDUCED DIMENSION LOCKNUT
8	4	AN960-10	FLAT WASHER
6	4	244093	ROD CONNECTOR CYLINDER INNER
4	4	244052	SUPPORT ENGINE BAFFLE
3	1	244020Z-1	INNER CYL. BOTTOM LARGE SLOT BAFFLE ASSY
2	1	244020Z	INNER CYL. BOTTOM SHORT SLOT BAFFLE ASSY
1	2	244018Z	INNER CYL. BOTTOM BAFFLE ASSY
ITEM	QTY	PART No.	DESCRIPTION

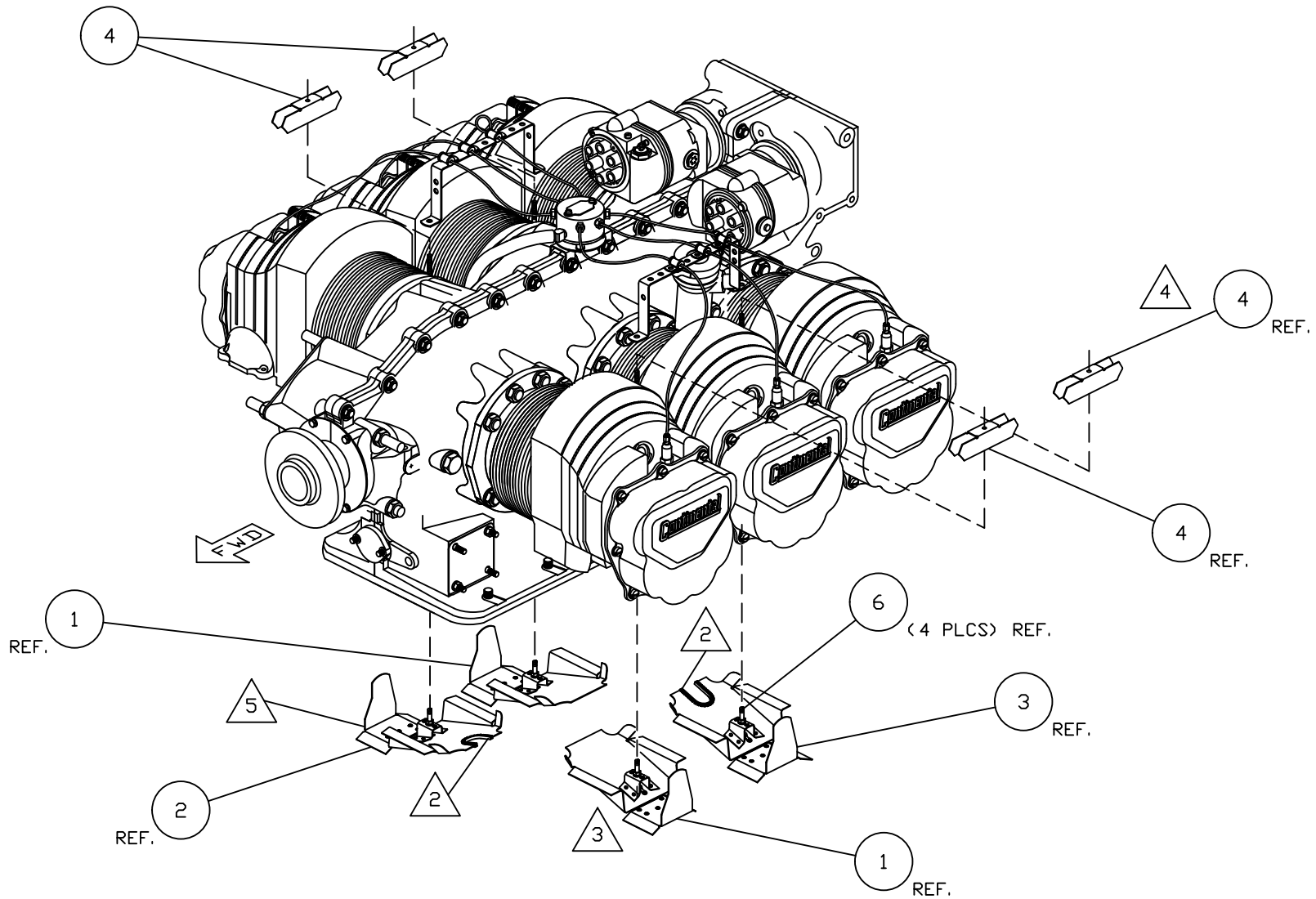
NEXT ASSY:
 DRAWN BY: W. E.
 ENGINEER: R. R.
 CHECKED BY: L. L.

INSTALLATION BAFFLE INNER CYLINDER

TOLERANCES X__10 .XXX__01 .XX__03 .XXXX__001 ANGLES ±5% UNLESS STATED		D' SHANNON PRODUCTS, LTD	
DWG. No. DSP-IM95-1-7		REVISION B	
SCALE: NONE		DATE 7/2/15 SH 1 OF 5	

1 INSTALL LOCKNUT ITEM 10 ON THE END OF ROD ITEM 6 AND HAND TIGHTEN. INSTALL ITEM 6 TO ITEM 1 AS SHOWN. REPEAT FOR ITEMS 2 AND 3.

NOTES:



- △ 5 REFERENCE SH. 5 OF 5 FOR CORRECT INSTALLATION OF THE INNER CYLINDER BAFFLES.
- △ 4 INSTALL SUPPORTS ITEM (4) ONTO THE RODS ITEM (6). REFERENCE SH. 3 OF 5 AND 4 OF 5.
- △ 3 FASTEN RODS ITEM (6) INTO PLATE NUTS BEFORE POSITIONING INNER CYLINDER BAFFLE ITEMS (1), (2) AND (3) BETWEEN CYLINDERS.
- △ 2 A CATERPILLAR GROMMET IS FACTORY INSTALLED ON ITEM (2) AND (3) WHERE THE FUEL LINE PASSES THROUGH THE INNER CYLINDER BAFFLE. DO NOT PROCEED IF THE GROMMET IS MISSING. CALL CUSTOMER SUPPORT.

NOTES:

NEXT ASSY: DRAWN BY: W. E. ENGINEER: R. R. CHECKED BY: L. L.		INSTALLATION BAFFLE INNER CYLINDER	
TOLERANCES X__10 .XXX__01 .XX__03 .XXXX__001 ANGLES ±5% UNLESS STATED		D' SHANNON PRODUCTS, LTD	
DWG. No. DSP-IM95-1-7		REVISION B	
SCALE: NONE		DATE 7/2/15	SH 2 OF 5

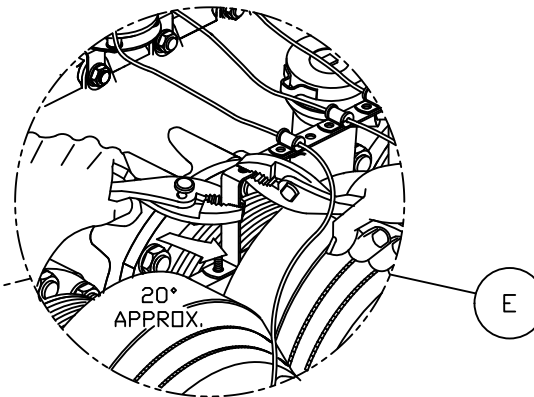
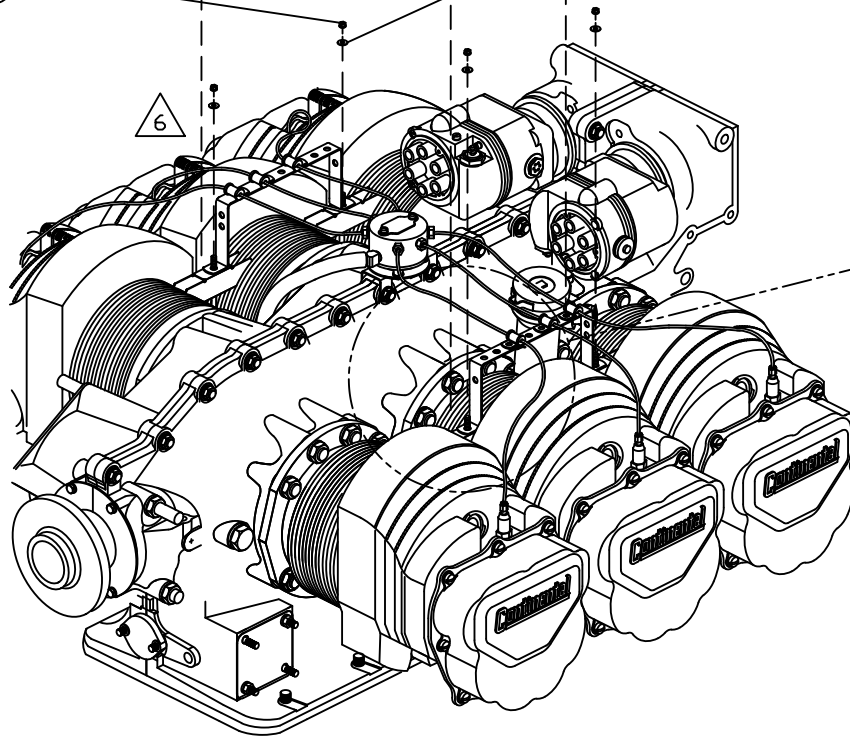
VIEW "B"
(TOP VIEW)
(SEE SH. 4 OF 5)

VIEW "A" (TOP VIEW)
VIEW "D" (BOTTOM VIEW) (SEE SH 5 OF 5)

VIEW "C"
(TOP VIEW)
(SEE SH. 4 OF 5)

(4 PLCS)

(4 PLCS)



TWIST AND BEND LEGS ON
BOTH SIDES OF LINE SUPPORT
APPROX. 20° AS INDICATED
ON BUBBLE DRAWING.

10. IT IS REQUIRED TO TWIST THE VERTICAL LEGS OF THE INJECTOR LINE SUPPORT AS SHOWN IN PICTURE. (E)

7. TIGHTEN LOCKNUT ITEM (9). GENTLY, AS TO NOT BOW THE LEGS ON ITEM (4)

6. FASTEN FACTORY INSTALLED LINE SUPPORT ONTO THE INNER CYLINDER ROD CONNECTOR USING ITEM (8) AND (9) AND TIGHTEN AS SHOWN. FOR ADDITIONAL REFERENCE SEE SH. 4 OF 5.

NOTES:

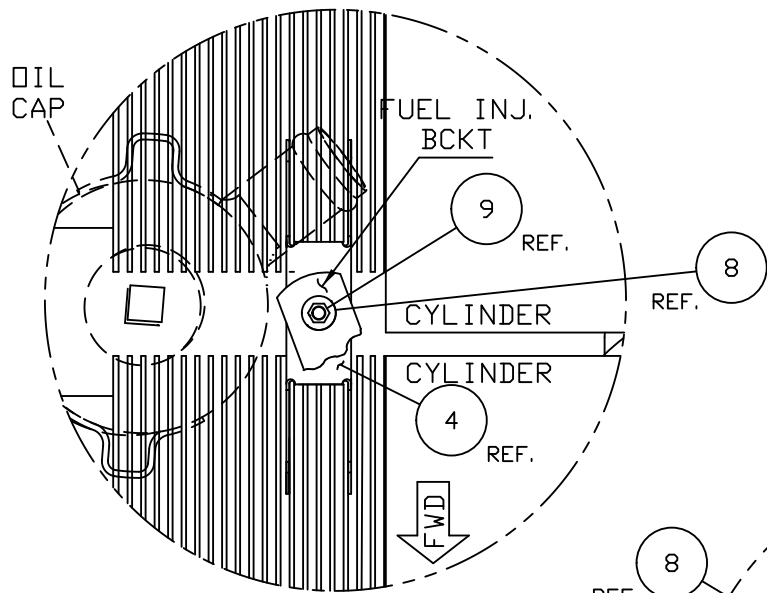
NEXT ASSY:
DRAWN BY: W. E.
ENGINEER: R. R.
CHECKED BY: L. L.

INSTALLATION Baffle INNER CYLINDER

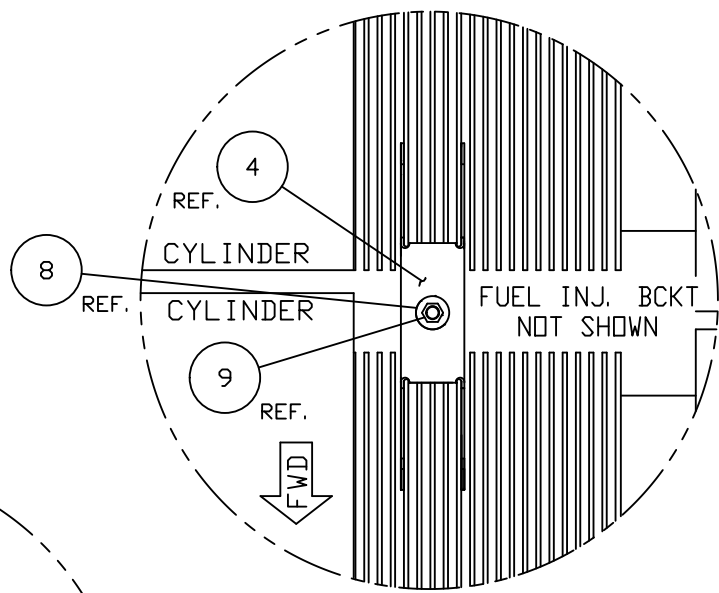
TOLERANCES
.X__10 .XXX__01
.XX_03 .XXXX_001
ANGLES ±5%
UNLESS STATED

D' SHANNON PRODUCTS, LTD

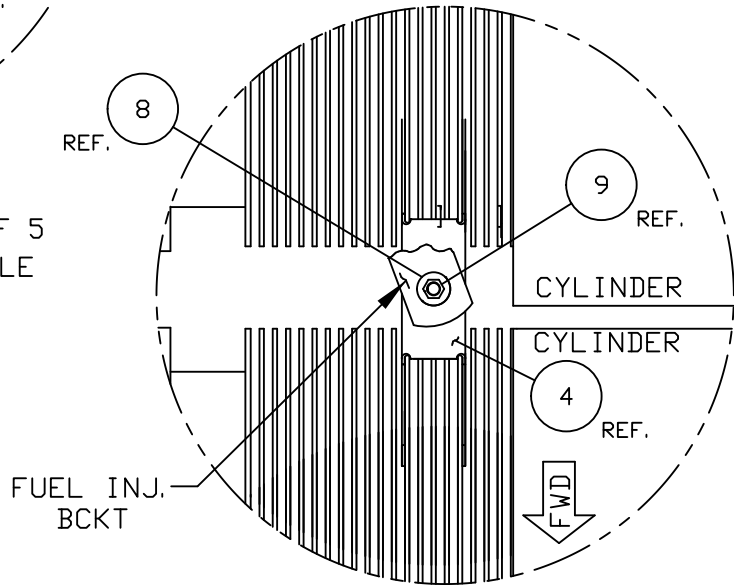
DWG. No. DSP-IM95-1-7 REVISION B
SCALE: NONE DATE 7/2/15 SH 3 OF 5



VIEW "A"
 VIEW "A" FROM SHEET 3 OF 5
 POSITIONING OF BAFFLE
 CYL. #2 AND #4



VIEW "B"
 VIEW "B" FROM SHEET 3 OF 5
 POSITIONING OF BAFFLE
 CYL. #1 AND 3, CYL. #3 AND #5



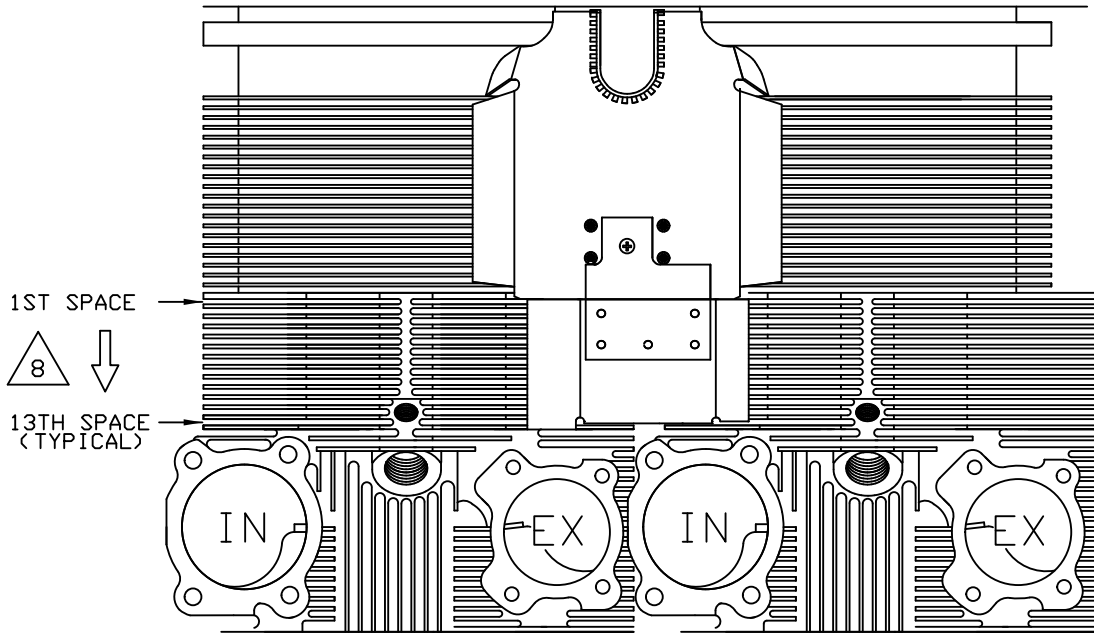
VIEW "C"
 VIEW "C" FROM SHEET 3 OF 5
 POSITIONING OF BAFFLE
 CYL. #4 AND #6



NOTES: TIGHTEN LOCKNUT ITEM GENTLY, AS TO NOT BOW THE LEGS ON ITEM

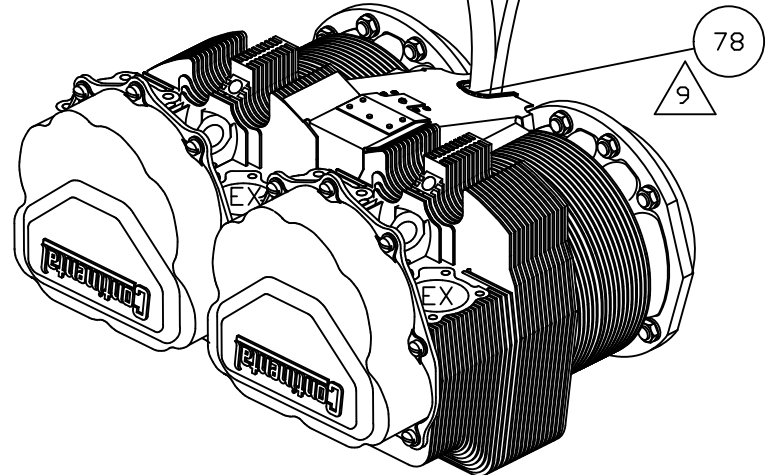
NEXT ASSY: DRAWN BY: W. E. ENGINEER: R. R. CHECKED BY: L. L.	INSTALLATION BAFFLE INNER CYLINDER
TOLERANCES X__10 .XXX__01 .XX_03 .XXXX_001 ANGLES ±5% UNLESS STATED	D' SHANNON PRODUCTS, LTD DWG. No. DSP-IM95-1-7 REVISION B SCALE: NONE DATE 7/2/15 SH 4 OF 5

VIEW "D"
 VIEW "D" FROM SHEET 3 OF 5
 (TYPICAL INSTALLATION FOR ALL BOTTOM
 INNER CYLINDER BAFFLES)



TOP OF THE ENGINE
 FUEL DISTRIBUTOR
 VENT LINE

COVERED
 FUEL LINE



△ 9 APPLY SILICONE SEALANT ITEM (78) TO GAPS BETWEEN ENGINE CASE AND AROUND THE AREA IN WHICH THE HOSE AND VENT LINE INTERCEPT. ALL INNER CYLINDER BAFFLES REQUIRE THAT ALL GAPS BETWEEN THE CASE AND THE INNER CYLINDER BAFFLE BE SEALED WITH SILICONE.

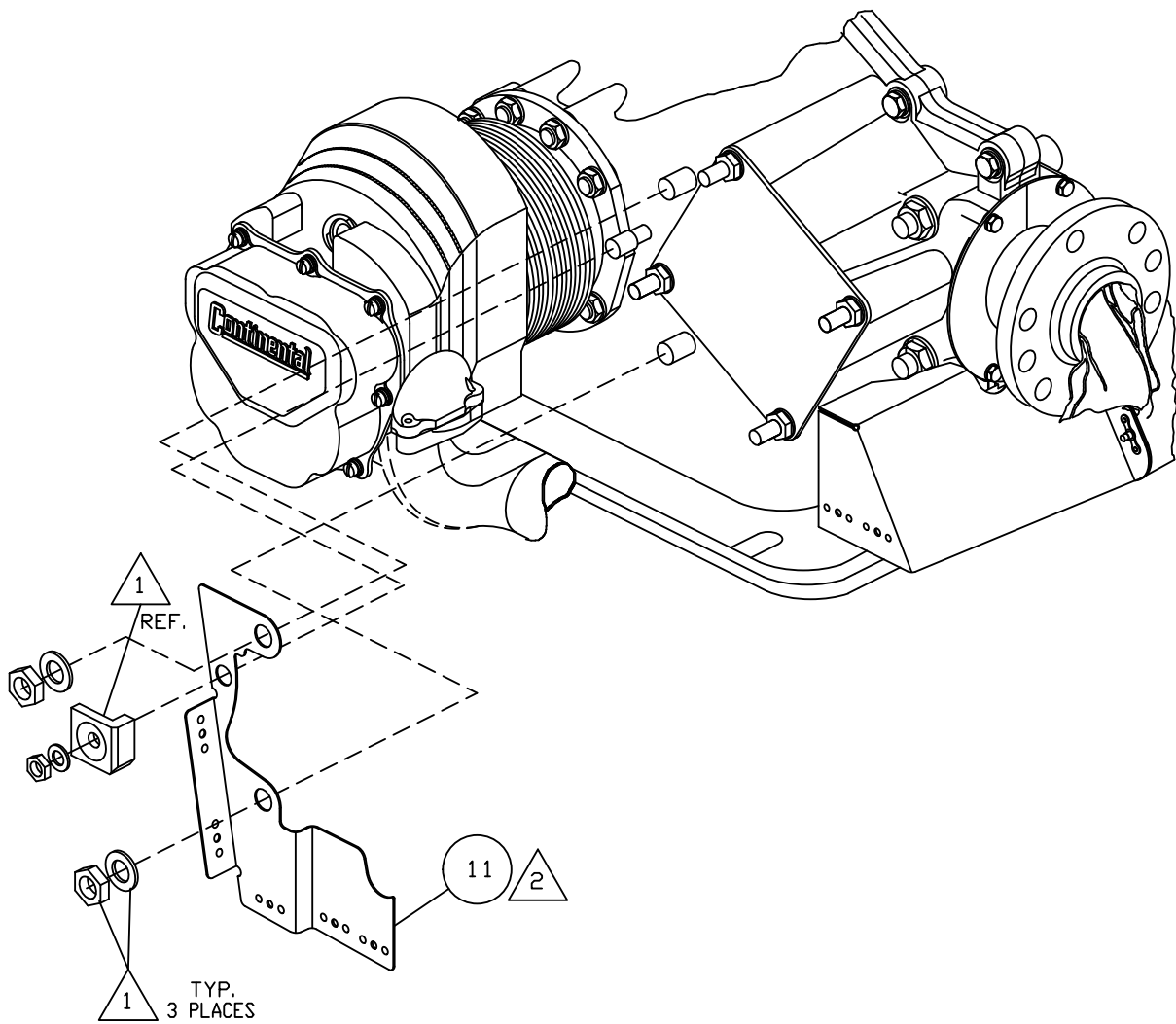
△ 8 INSERT INNER CYLINDER BOTTOM BAFFLE FLANGE IN THE 13TH COOLING FIN SPACE AS SHOWN.

1. - CYLINDERS VIEWED UPSIDE DOWN

NOTES:

NEXT ASSY: DRAWN BY: W. E. ENGINEER: R. R. CHECKED BY: L. L.		INSTALLATION BAFFLE INNER CYLINDER	
TOLERANCES X__10 .XXX__01 .XX__03 .XXXX__001 ANGLES ±5% UNLESS STATED		D' SHANNON PRODUCTS, LTD	
DWG. No. DSP-IM95-1-7		REVISION	B
SCALE: NONE	DATE 7/2/15	SH 5	OF 5

REVISION RECORD			
LTR.	CHANGES	BY	DATE
NC	RELEASED	D. B.	12/02/09

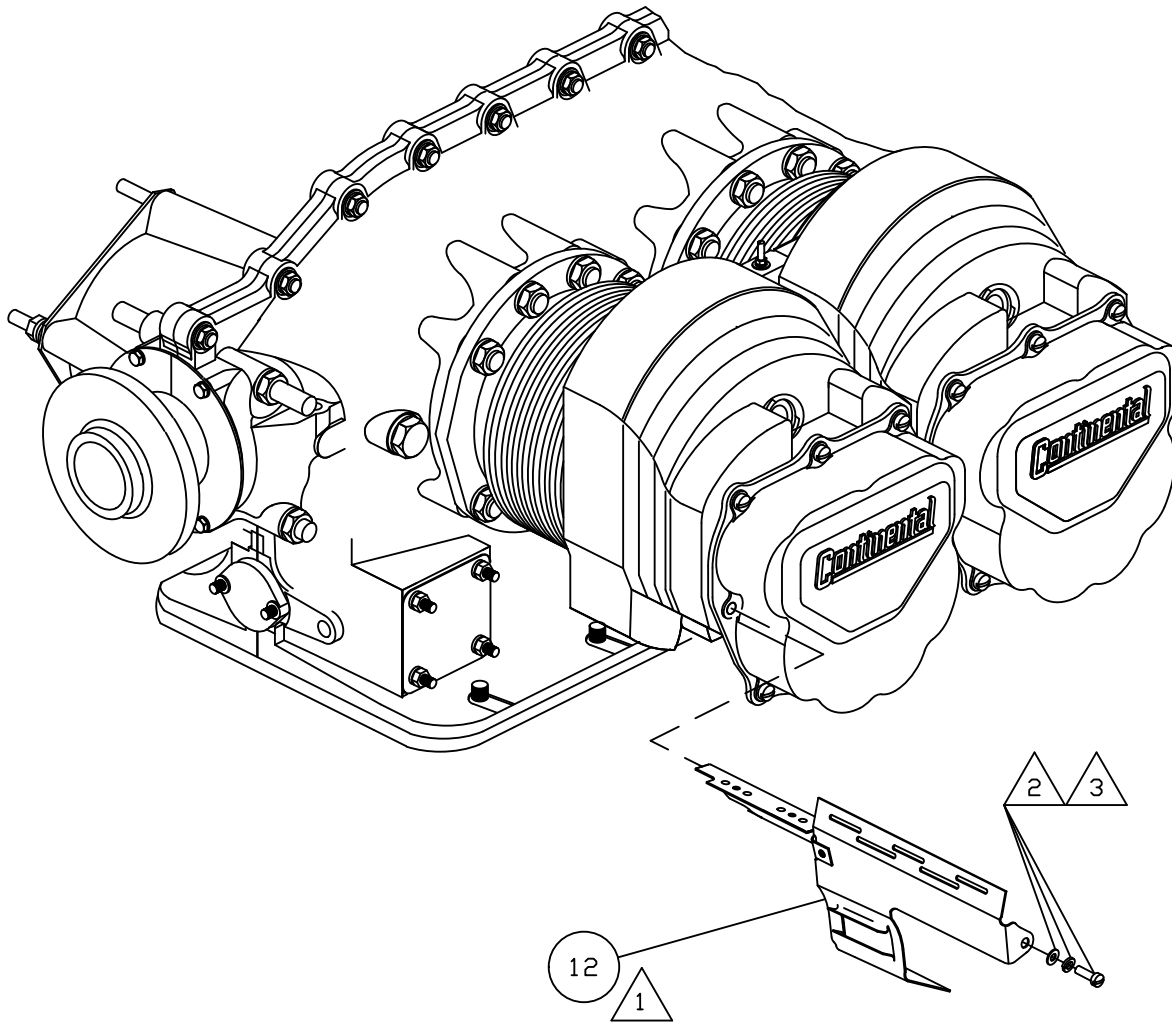


- 2 INSTALL ITEM 11 AS SHOWN, USING ORIGINAL HARDWARE.
1 ORIGINAL HARDWARE (FOR TORQUE VALUES SEE CONTINENTAL MANUALS).
 NOTES:

11	1	244117Z	ALTERNATOR BAFFLE RETAINER ASSY
ITEM	QTY	PART No.	DESCRIPTION
NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.			INSTALLATION OF ALTERNATOR BAFFLE RETAINER ASSEMBLY
TOLERANCES .X_.10 .XXX_.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED			D' SHANNON PRODUCTS, LTD DWG. No. DSP-IM95-1-8 REVISION NC SCALE: NONE DATE 12/02/09 SH 1 OF 1

REVISION RECORD

LTR.	CHANGES	BY	DATE
NC	RELEASED	D. B.	05/15/10
A	ITEM 12 REDRAWN TO CURRENT CONFIG.	D. B.	12/02/09
B	NOTES REVISED. REMOVE SH 2	D. B.	08/31/10



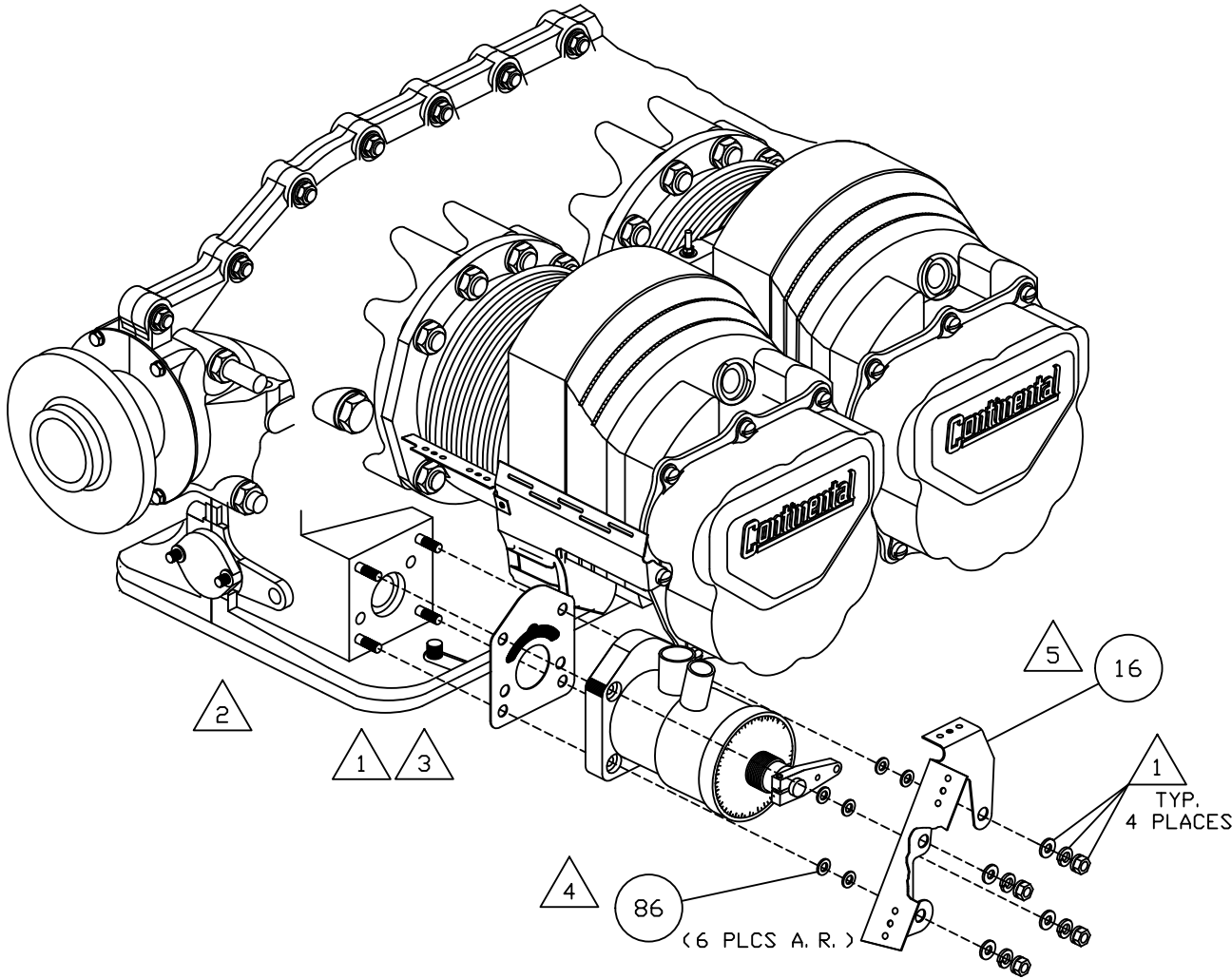
- 3 TORQUE ROCKER COVER TO 45 TO 55 IN/LB (PER TCM SPECS.) INSTALLATION OF AFTER-MARKET ROCKER COVER GASKETS MAY REQUIRE SPECIAL TORQUE SPECS. OPTIONAL TO LEAVE HAND TIGHT UNTIL NEXT OPERATION ON DSP-IM95-1-11 WHEN BRACKET ITEM 12 IS INSTALLED.
- 2 ORIGINAL HARDWARE. SEE BEECHCRAFT SHOP MANUAL FOR TORQUE VALUES.
- 1 REMOVE THE ROCKER COVER SCREW AS SHOWN. INSTALL ITEM 12 ONTO THE #6 CYLINDER BEHIND THE PROP GOVERNOR. LINE UP ITEM 12 TIGHTLY AGAINST THE CYLINDER AND THE CYLINDER BARREL. REINSTALL THE PREVIOUSLY REMOVED ROCKER COVER SCREW.

NOTES:

ITEM	QTY	PART No.	DESCRIPTION
12	1	BBF-A05-A	BAFFLE FRONT ASSEMBLY
NEXT ASSY: DRAWN BY: K. R. S. ENGINEER: D. BRAUN CHECKED BY: D. B.			INSTL FRONT CYLINDER BAFFLE ASSY
TOLERANCES .X__10 .XXX__01 .XX_03 .XXXX__001 ANGLES ±5% UNLESS STATED			D' SHANNON PRODUCTS, LTD
DWG. No. DSP-IM95-1-9		REVISION	B
SCALE: NONE		DATE 04/24/09	SH 1 OF 1

REVISION RECORD

LTR.	CHANGES	BY	DATE
NC	RELEASED	K. S.	04/24/09
A	ITEM 12 REDRAWN TO CURRENT CONFIG.	D. B.	12/02/09
B	MOVE NOTES TO SH 1. REMOVE SH 2.	D. B.	08/31/10

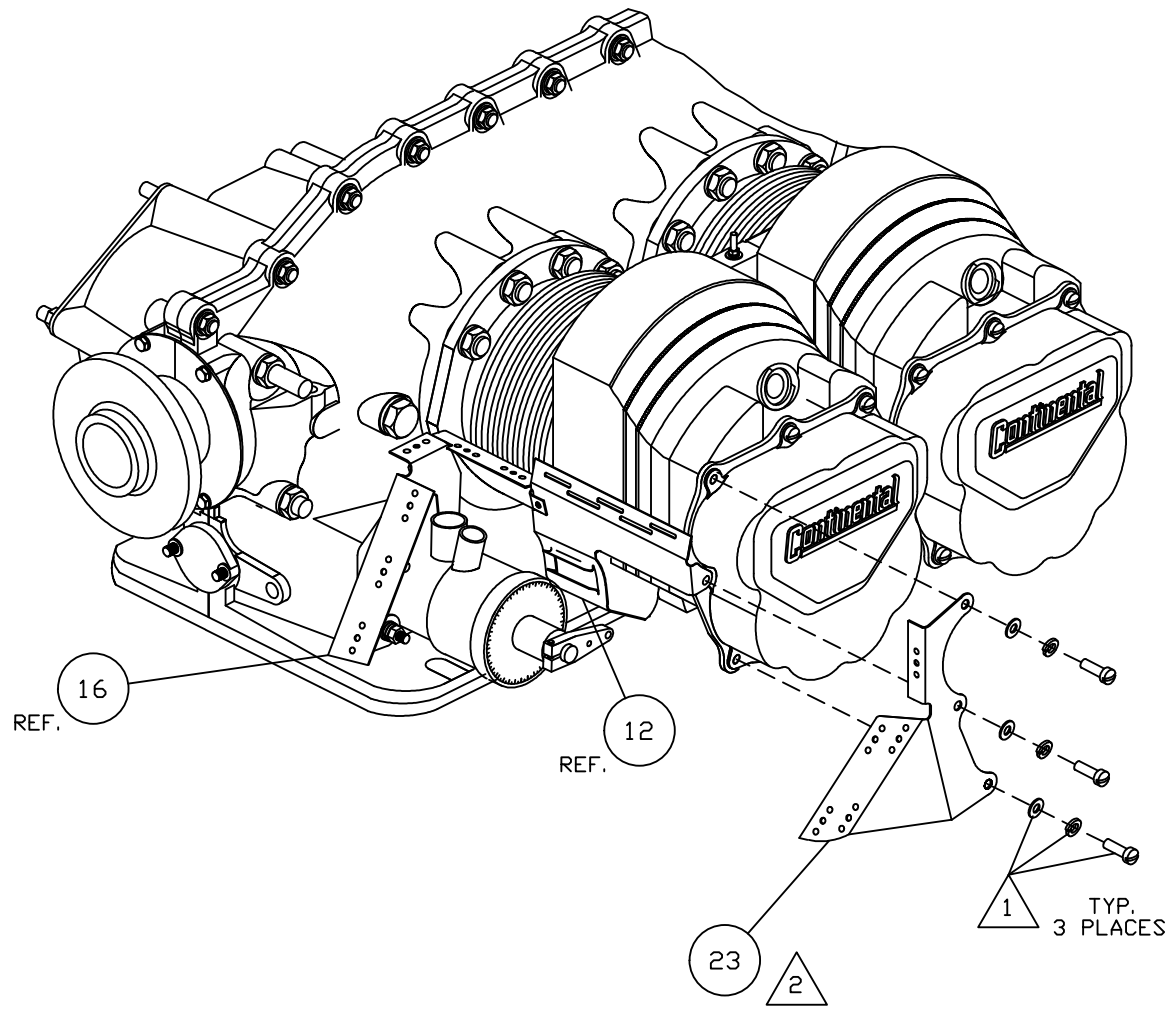


- 5 INSTALL ITEM 16 ONTO STUDS. LOCK PROP GOVERNOR, INSTALL NUTS AND LOCK WASHERS AND TORQUE AS PER BEECHCRAFT SHOP MANUAL.
- 4 WASHER ITEM 86 IS USED TO SUPPORT BRACKET ITEM 16 ONLY IF THE GOVERNOR HAS A RECESSED AREA WHERE THE BRACKET ITEM 16 MOUNTS. INSTALL AS SHOWN.
- 3 INSTALL NEW SCREENED PROP GOVERNOR GASKET.
- 2 REMOVE PROP GOVERNOR COVER PRIOR TO INSTALLING THE PROP GOVERNOR.
- 1 ORIGINAL HARDWARE. (FOR TORQUE VALUES SEE BEECHCRAFT SHOP MANUAL).

NOTES:

86	6	AN960-516L	FLAT WASHER
16	1	244115Z	PROPELLER GOVERNOR BRACKET ASSEMBLY
ITEM	QTY	PART No.	DESCRIPTION
NEXT ASSY:			REINSTALLATION PROP. GOVERNOR WITH BRACKET
DRAWN BY: K. R. S.			
ENGINEER: D. BRAUN			
CHECKED BY: D. B.			
TOLERANCES			D' SHANNON PRODUCTS, LTD
.X_.10 .XXX_.01			
.XX_.03 .XXXX_.001			
ANGLES ±5%			
UNLESS STATED			DWG. No. DSP-IM95-1-10 REVISION B
SCALE: NONE			DATE 04/24/09 SH 1 OF 1

REVISION RECORD			
LTR.	CHANGES	BY	DATE
NC	RELEASED	K. S.	04/24/09
A	ITEM 12 REDRAWN TO CURRENT CONFIG.	D. B.	12/02/09
B	MOVE NOTES TO SH 1. REMOVE SH 2.	D. B.	08/31/10
C	ADD NOTES TO SH 2-4	W. E.	7/2/15
D	CHANGE SCREWS FOR GOV ACCESS	L. L.	10/14/15



ITEM 16 IS REFERENCED ON DWG. DSP-IM95-1-10 ON SH. 1 OF 1

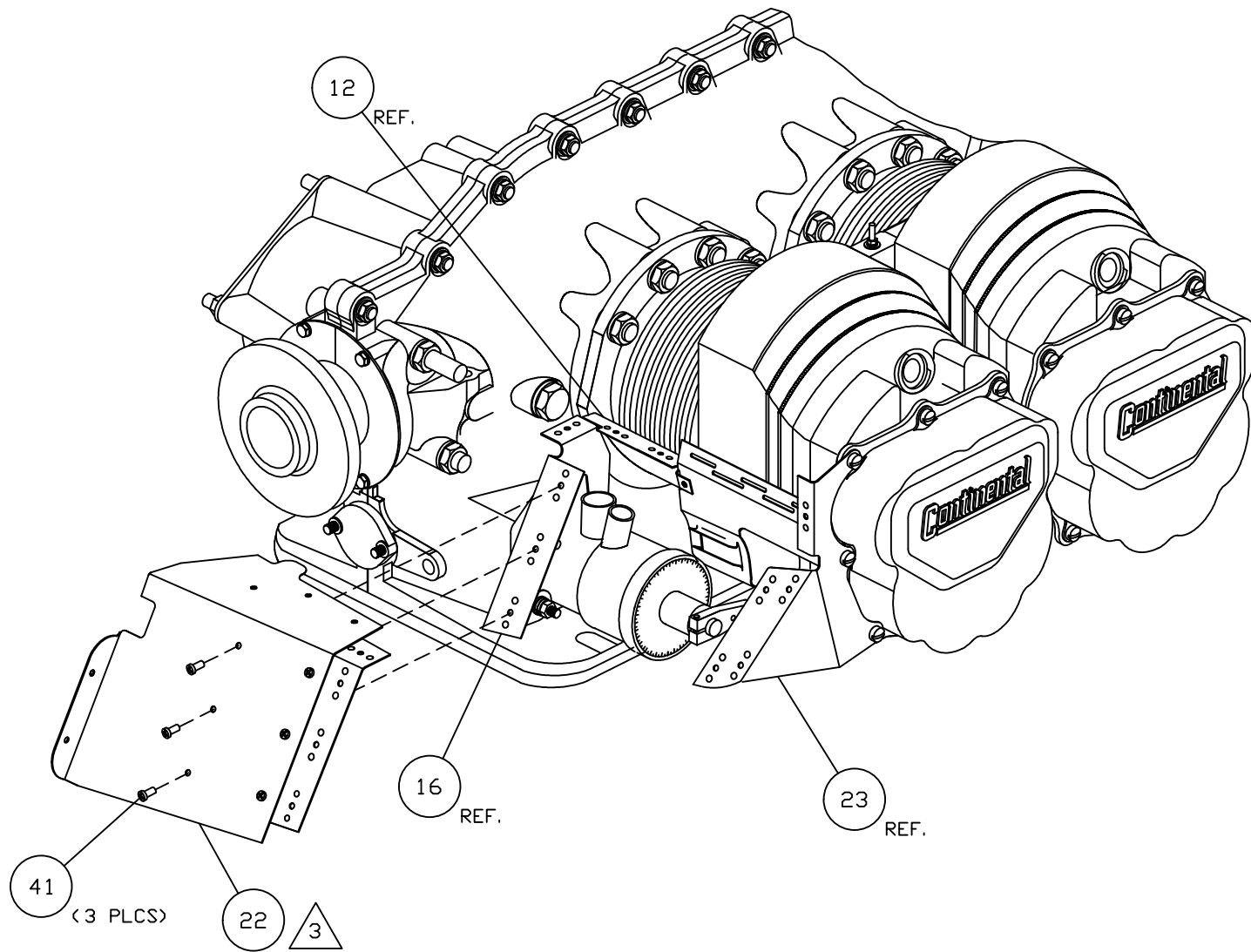
ITEM 12 IS REFERENCED ON DWG. DSP-IM95-1-9 ON SH. 1 OF 1.

41	12	MS35206-243	PAN HEAD SCREW
32	1	244113-2Z	BAFFLE FRONT TUNNEL BOTTOM ASSY
31	1	244113-1Z	BAFFLE FRONT TUNNEL TOP ASSY
25	2	AN526C632-R6	TRUSS HEAD MACHINE SCREW
24	1	244113	BAFFLE FRONT
23	1	244116Z	BRACKET FRONT ASSEMBLY
22	1	244112Z	BAFFLE FRONT ASSEMBLY
ITEM	QTY	PART No.	DESCRIPTION

NEXT ASSY:		INSTALLATION BAFFLE FRONT LEFT	
DRAWN BY: W. E.		D' SHANNON PRODUCTS, LTD	
ENGINEER: R. R.			
CHECKED BY: L. L.			
TOLERANCES		DWG. No. DSP-IM95-1-11	
X...10 .XXX...01		REVISION D	
XX...03 .XXXX...001		SCALE: NONE	
ANGLES ±5%		DATE 10/14/15	
UNLESS STATED		SH 1 OF 4	

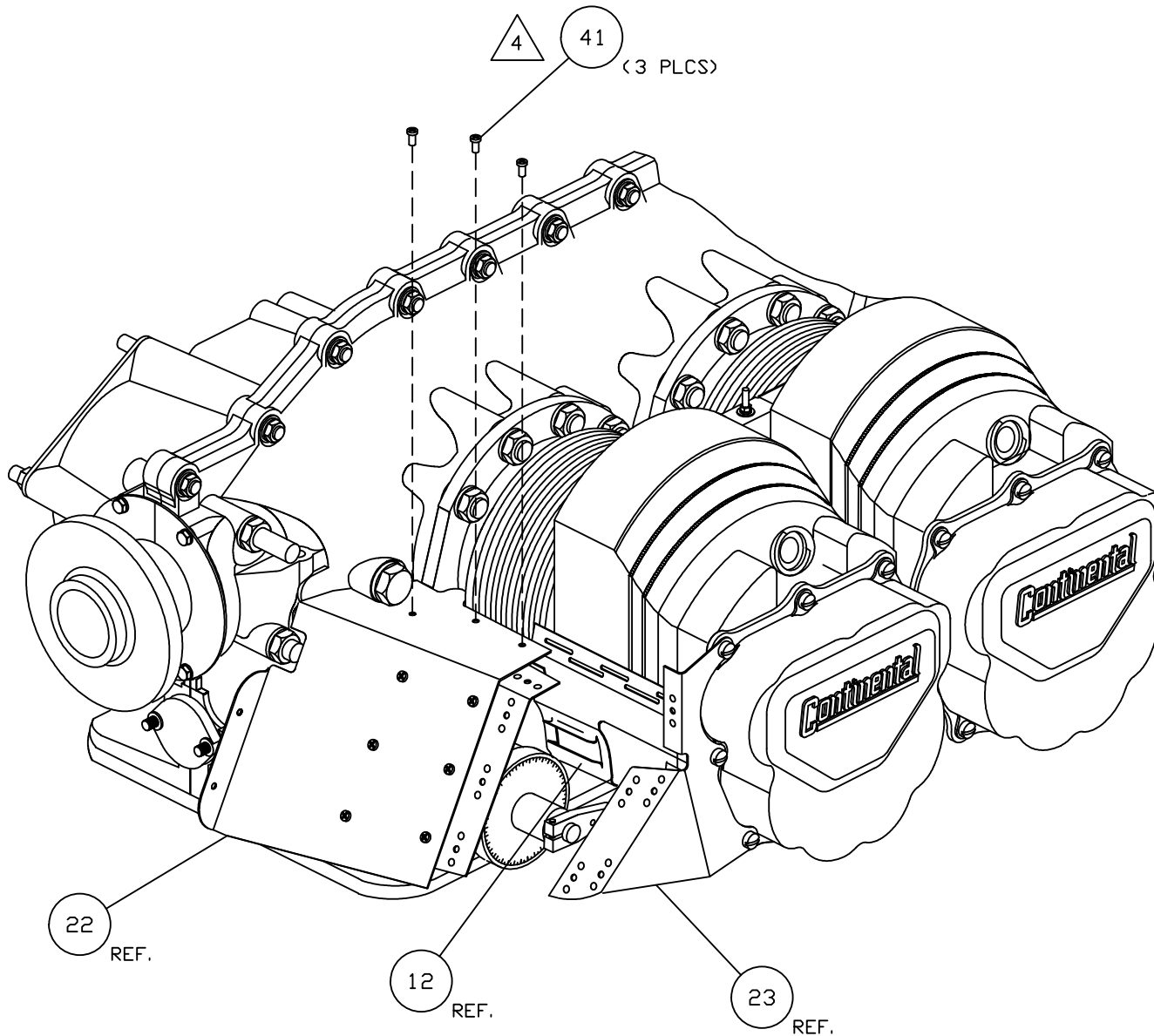
- 2 INSTALL ITEM 23 USING ORIGINAL HARDWARE AND TIGHTEN AS PER MANUAL.
- 1 ORIGINAL HARDWARE. (FOR TORQUE VALUES SEE BEECHCRAFT SHOP MANUAL).




NOTES:



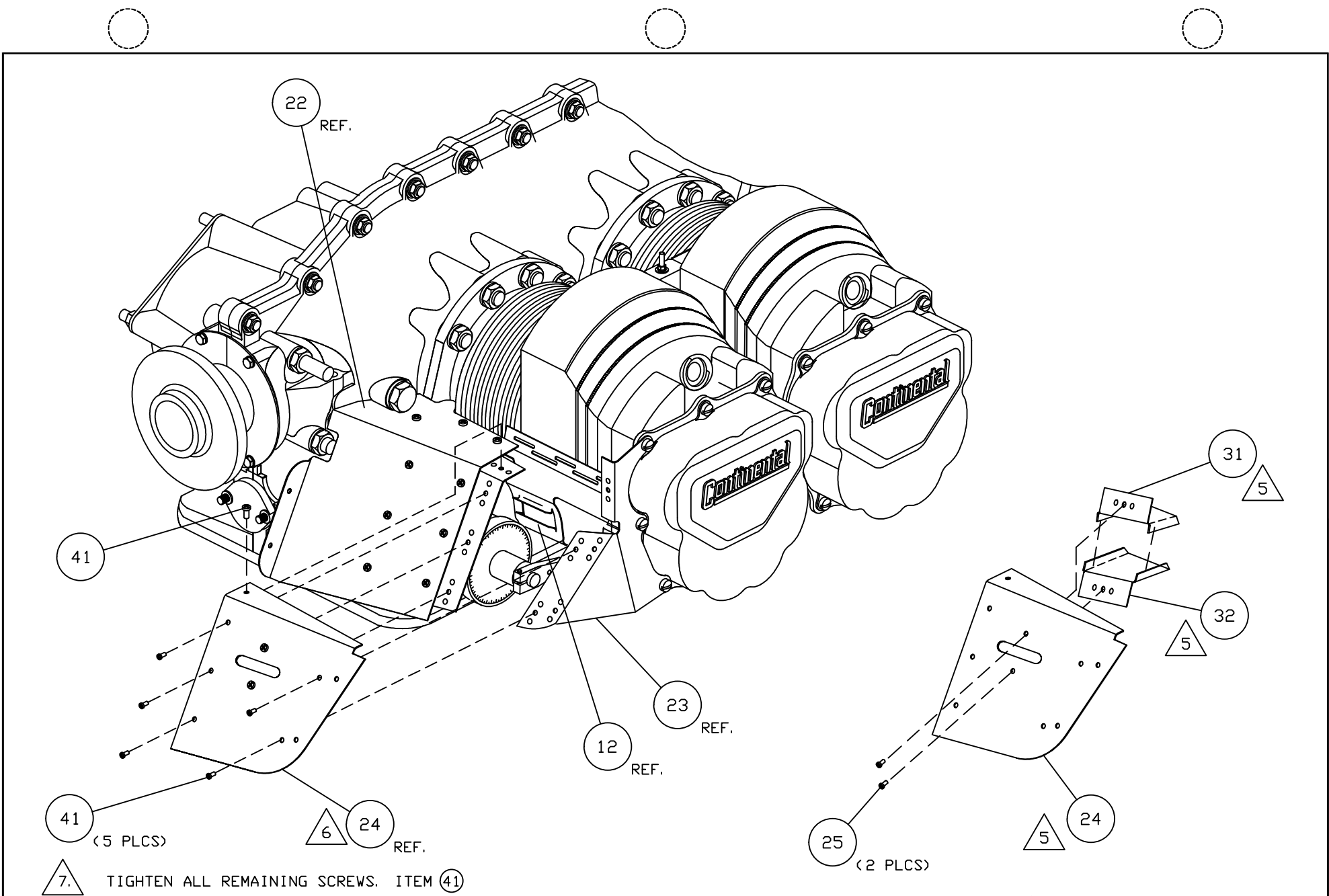
NOTES: 3 INSTALL ITEM 22 AS SHOWN, USING ITEM 41 DO NOT TIGHTEN

NEXT ASSY: DRAWN BY: W. E. ENGINEER: R. R. CHECKED BY: L. L.	INSTALLATION BAFFLE FRONT LEFT
TOLERANCES X__10 .XXX__01 .XX_03 .XXXX_001 ANGLES ±5% UNLESS STATED	D' SHANNON PRODUCTS, LTD DWG. No. DSP-IM95-1-11 REVISION D SCALE: NONE DATE 10/14/15 SH 2 OF 4



 RUN ITEM  THROUGH ITEM  AND SCREW INTO BRACKET HOLES. DO NOT TIGHTEN
 NOTES:

NEXT ASSY: DRAWN BY: W. E. ENGINEER: R. R. CHECKED BY: L. L.	INSTALLATION BAFFLE FRONT LEFT
TOLERANCES X__10 .XXX__01 .XX__03 .XXXX__001 ANGLES ±5% UNLESS STATED	D' SHANNON PRODUCTS, LTD DWG. No. DSP-IM95-1-11 REVISION D SCALE: NONE DATE 10/14/15 SH 3 OF 4



41 (5 PLCS) 24 REF.

7. TIGHTEN ALL REMAINING SCREWS. ITEM 41

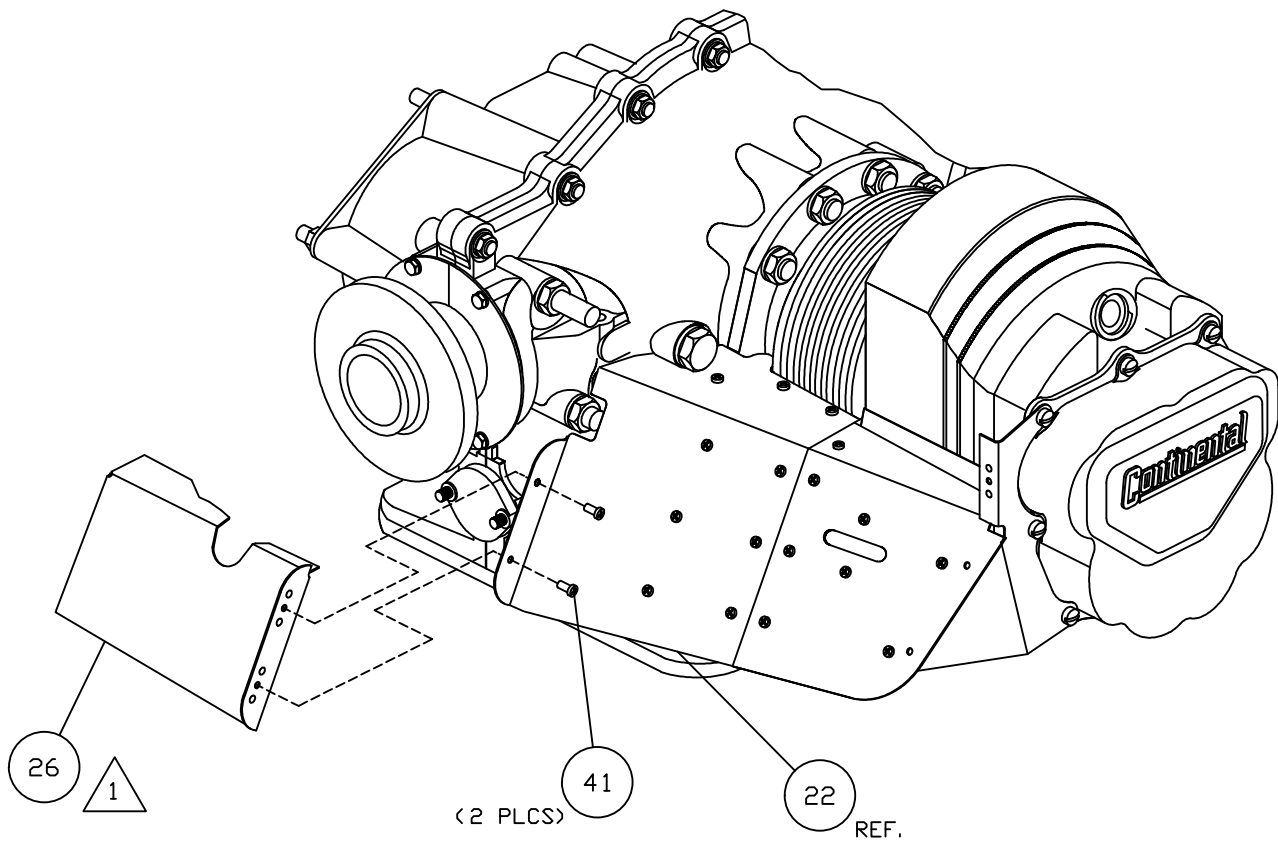
6 INSTALL ITEM 24 AS SHOWN, USING ITEM 41. ASSURE THAT ITEM 31 AND ITEM 32 LINE

5 NEST ITEM 31 INTO ITEM 32 AND INSTALL IN ITEM 24 USING ITEM 25.

NOTES:

NEXT ASSY: DRAWN BY: W. E. ENGINEER: R. R. CHECKED BY: L. L.	INSTALLATION Baffle FRONT LEFT
TOLERANCES X__10 .XXX__01 .XX_03 .XXXX_001 ANGLES ±5% UNLESS STATED	D' SHANNON PRODUCTS, LTD
DWG. No. DSP-IM95-1-11	REVISION D
SCALE: NONE	DATE 10/14/15 SH 4 OF 4

REVISION RECORD			
LTR.	CHANGES	BY	DATE
NC	RELEASED	K. S.	04/24/09
A	FRONT VIEW REVISED, SHT 2 DELETED.	D. B.	12/02/09
B	CHANGE SCREWS FOR GOV ACCESS	L. L.	10/14/15



ITEM (22) IS REFERENCED ON DWG. DSP-IM95-1-11 ON SH. 2 OF 4

26	1	244103Z	BAFFLE NOSE ASSEMBLY
41	2	MS35206-243	PAN HEAD SCREW
ITEM	QTY	PART No.	DESCRIPTION

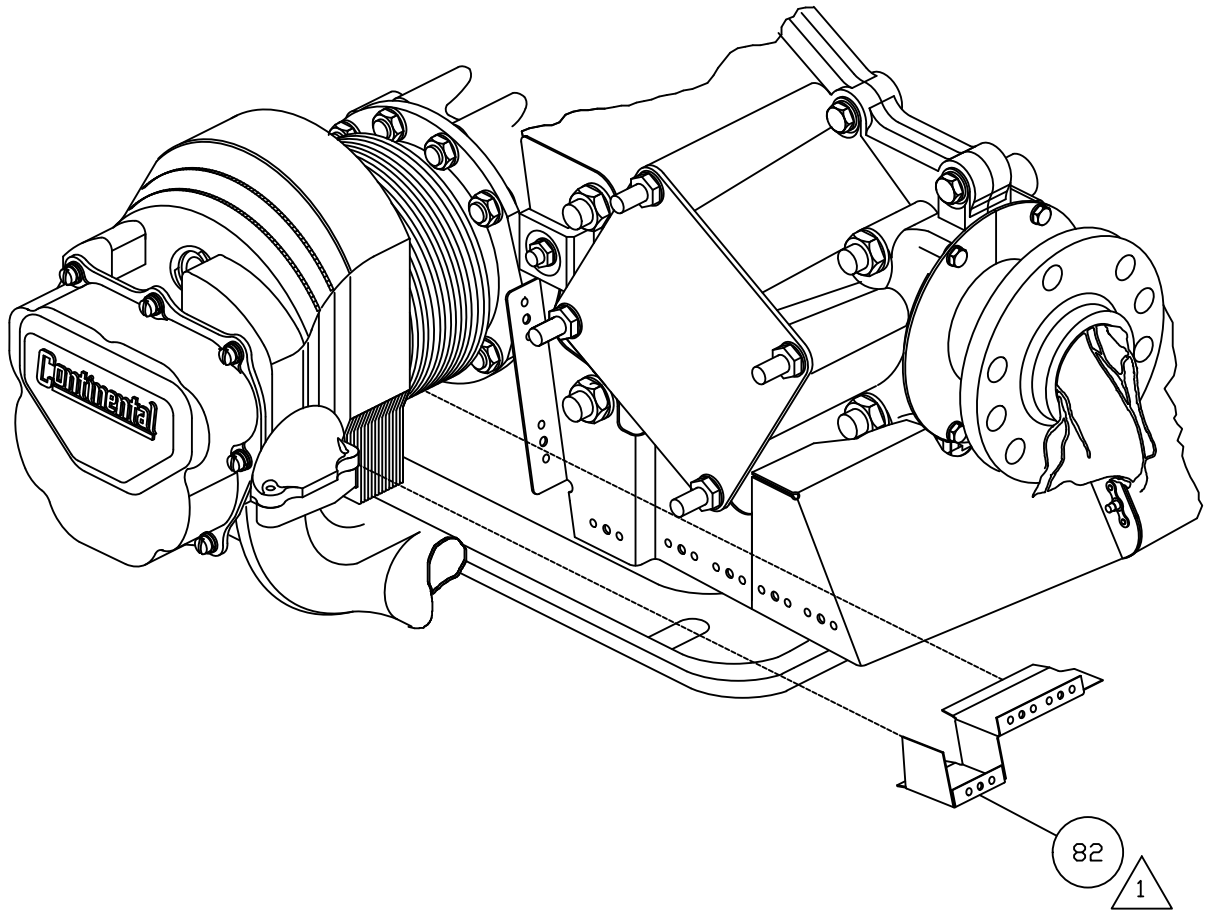
NEXT ASSY:
 DRAWN BY: K. R. S.
 ENGINEER: D. BRAUN
 CHECKED BY: D. B.

INSTALLATION NOSE BAFFLE

TOLERANCES		D' SHANNON PRODUCTS, LTD	
X_.10 .XXX .01			
.XX .03 .XXXX .001		DWG. No. DSP-IM95-1-12	REVISION A
ANGLES ±5%		SCALE: NONE	DATE 04/24/09
UNLESS STATED		SH 1 OF 1	

△ 1 INSTALL ITEM (26) AS SHOWN, USING ITEM (41).

NOTES:



REVISION RECORD			
LTR.	CHANGES	BY	DATE
NC	RELEASED	K. S.	04/24/09
A	ITEM 11 AND 26 REF. ADD NOTE 10. DELETE SHT 1, RENUMBERED SHEETS.	D. B.	12/02/09
B	MOVE, RENUMBER, NOTES. REMOVE SH 8.	D. B.	08/30/10
C	NEW CONFIGURATION OF -29 ON SH 7	D. B.	05/15/13

83	A. R.	MS21266-1N	GROMETT PLASTIC ENDING
82	1	244021Z	BRACKET ALTERNATOR BAFFLE ASSY
30	1	244120Z	ALTERNATOR BAFFLE ASSEMBLY
29	1	244119Z	ALTERNATOR BRACKET ASSEMBLY
28	1	244118Z	ALTERNATOR BAFFLE ASSEMBLY
25	20	AN526C632-R6	TRUSS HEAD MACHINE SCREW
ITEM	QTY	PART No.	DESCRIPTION

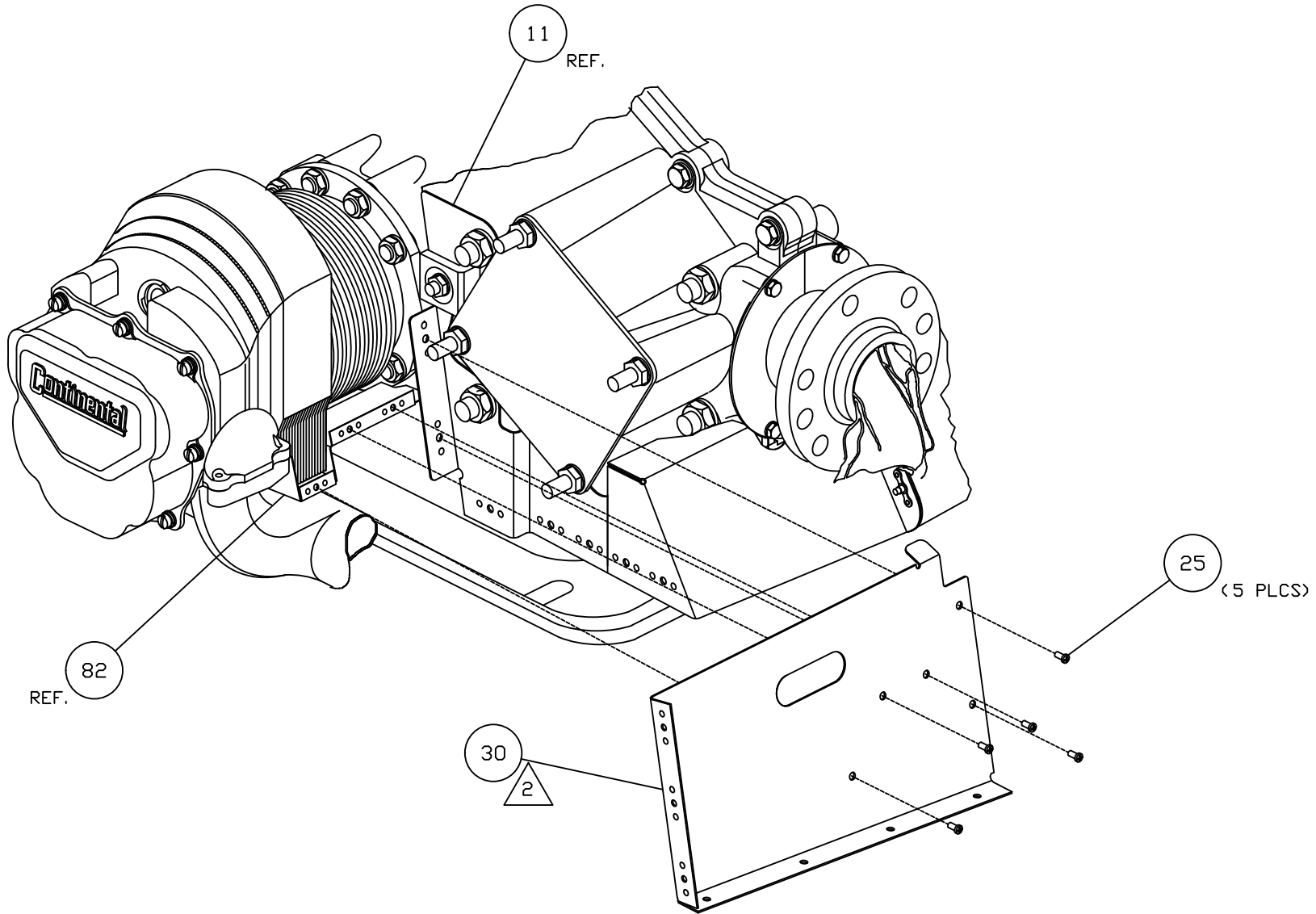
NEXT ASSY:
 DRAWN BY: K. R. S.
 ENGINEER: D. BRAUN
 CHECKED BY: D. B.

INSTALLATION ALTERNATOR BAFFLE

TOLERANCES X...10 .XXX...01 .XX...03 .XXXX...001 ANGLES ±5% UNLESS STATED		D' SHANNON PRODUCTS, LTD	
DWG. No. DSP-IM95-1-13		REVISION C	
SCALE: NONE		DATE 04/24/09 SH 1 OF 7	

1 PLACE ITEM 82 AS SHOWN ON DRAWING.

NOTES:

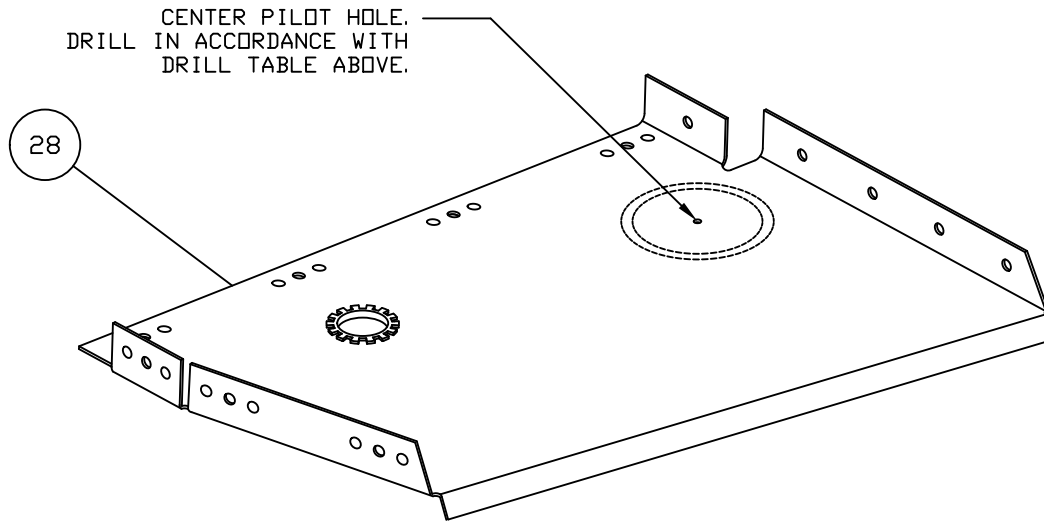


ITEM 11 IS REFERENCED ON DWG. DSP-IM95-1-8
SH. 1 OF 1

NOTES: 2 INSTALL ITEM 30 WITH ITEMS 82 AND 11 AS SHOWN, USING ITEM 25. DO NOT TIGHTEN.

NEXT ASSY: DRAWN BY: K. R. S. ENGINEER: D. BRAUN CHECKED BY: D. B.		INSTALLATION ALTERNATOR BAFFLE	
TOLERANCES X__10 .XXX__01 .XX_03 .XXXX_001 ANGLES ±5% UNLESS STATED		D' SHANNON PRODUCTS, LTD	
DWG. No. DSP-IM95-1-13		REVISION C	
SCALE: NONE		DATE 04/24/09 SH 2 OF 7	

<i>DRILL TABLE</i>	
ALTERNATOR	DRILLING
100 AMP.	2 5/16" DIA.
70 AMP.	2" DIA.
60 AMP.	2" DIA.



NOTES:

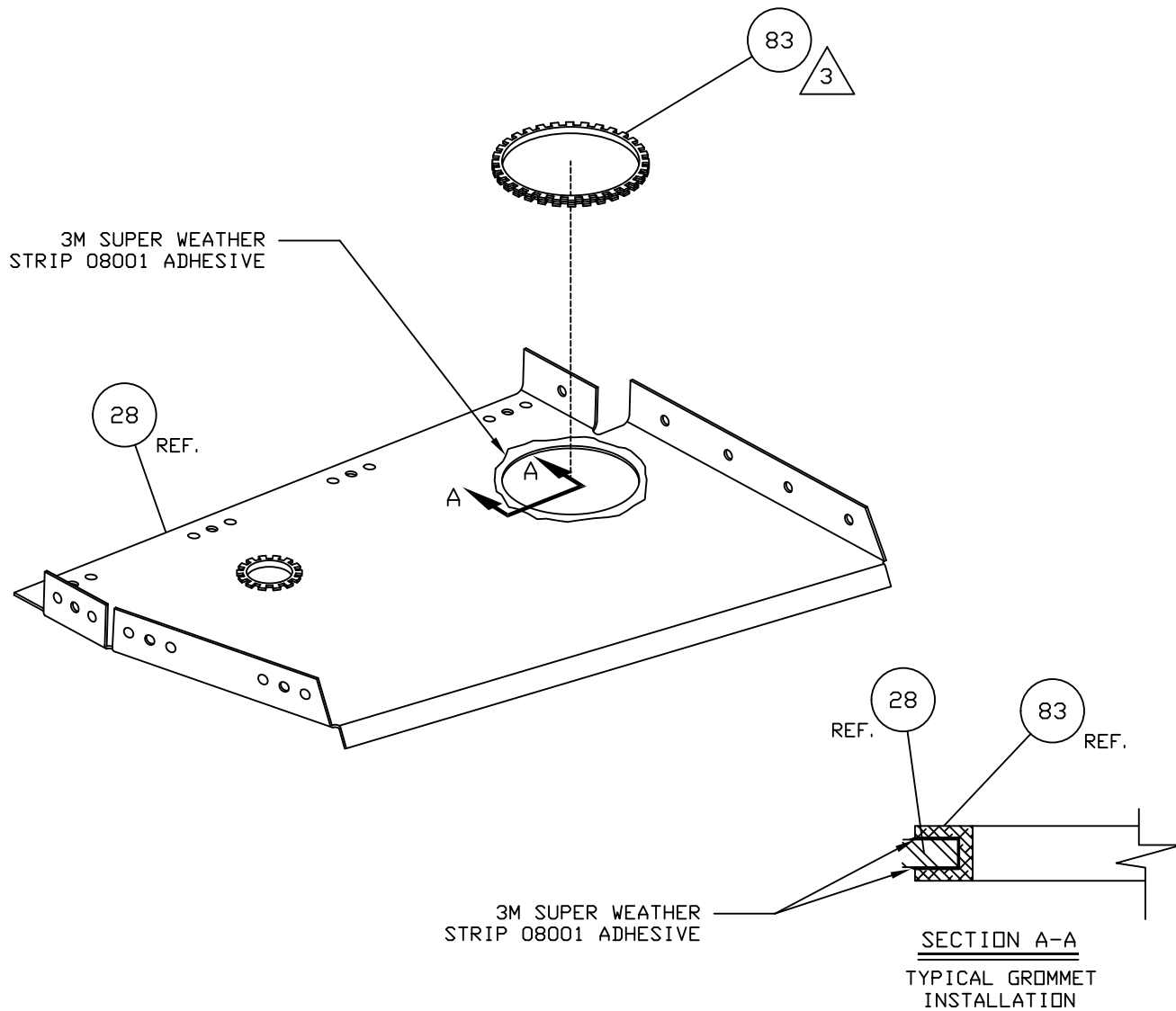
NEXT ASSY:
DRAWN BY: K. R. S.
ENGINEER: D. BRAUN
CHECKED BY: D. B.

INSTALLATION ALTERNATOR BAFFLE

TOLERANCES
.X_.10 .XXX_.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

D' SHANNON PRODUCTS, LTD

DWG. No. DSP-IM95-1-13	REVISION C
SCALE: NONE	DATE 04/24/09 SH 3 OF 7



△ 3 INSTALL ITEM (83) ON ITEM (28) AS SHOWN, USING 3M SUPER WEATHER STRIP 08001 ADHESIVE.

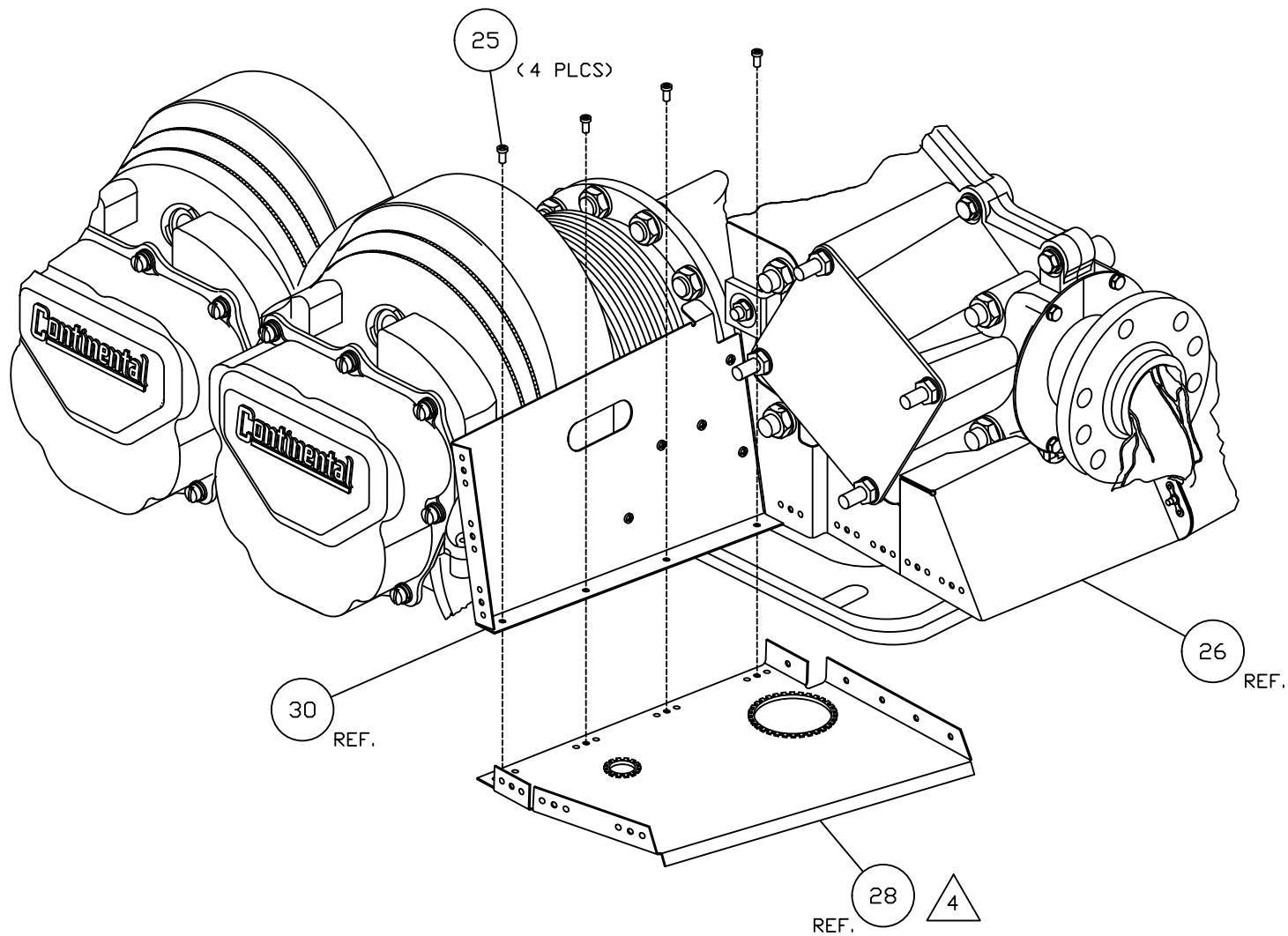
NEXT ASSY:
 DRAWN BY: K. R. S.
 ENGINEER: D. BRAUN
 CHECKED BY: D. B.

INSTALLATION ALTERNATOR BAFFLE

TOLERANCES
 X__10 .XXX__01
 .XX_03 .XXXX_001
 ANGLES ±5%
 UNLESS STATED

D' SHANNON PRODUCTS, LTD

DWG. No. DSP-IM95-1-13	REVISION C
SCALE: NONE	DATE 04/24/09 SH 4 OF 7



ITEM (26) IS REFERENCED ON DWG. DSP-IM95-1-12
SH. 1 OF 1

NEXT ASSY:
DRAWN BY: K. R. S.
ENGINEER: D. BRAUN
CHECKED BY: D. B.

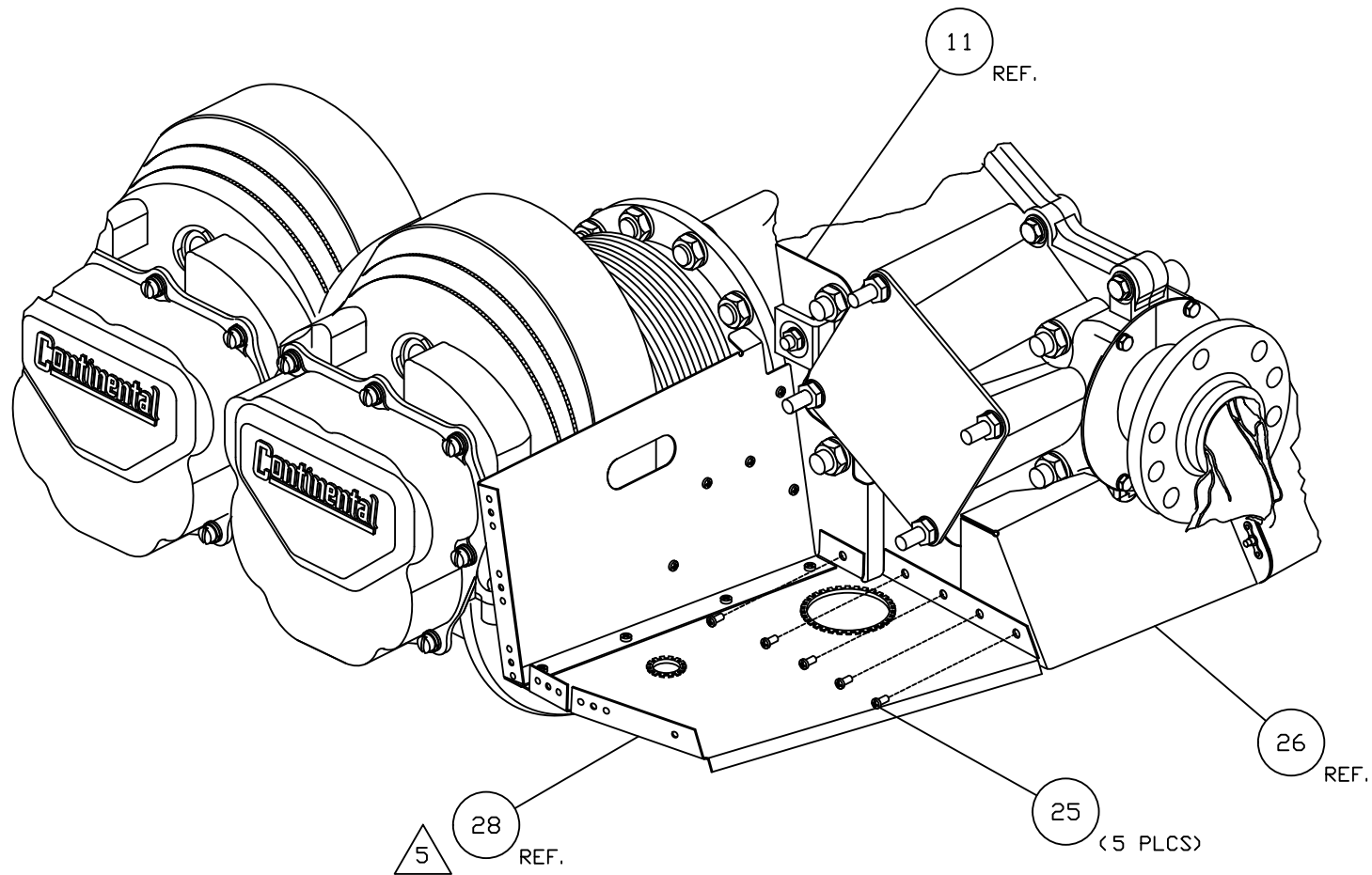
INSTALLATION ALTERNATOR BAFFLE

TOLERANCES
.X_.10 .XXX_.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

D' SHANNON PRODUCTS, LTD

DWG. No. DSP-IM95-1-13 REVISION C
SCALE: NONE DATE 04/24/09 SH 5 OF 7

△ 4 INSTALL ITEM (28) TO ITEM (30) AS SHOWN, USING ITEM (25). DO NOT TIGHTEN.
NOTES:



△ 5 SECURE ITEM ②⑧ TO ITEMS ②⑥ AND ①① USING ITEM ②⑤ . DO NOT TIGHTEN.
 NOTES:

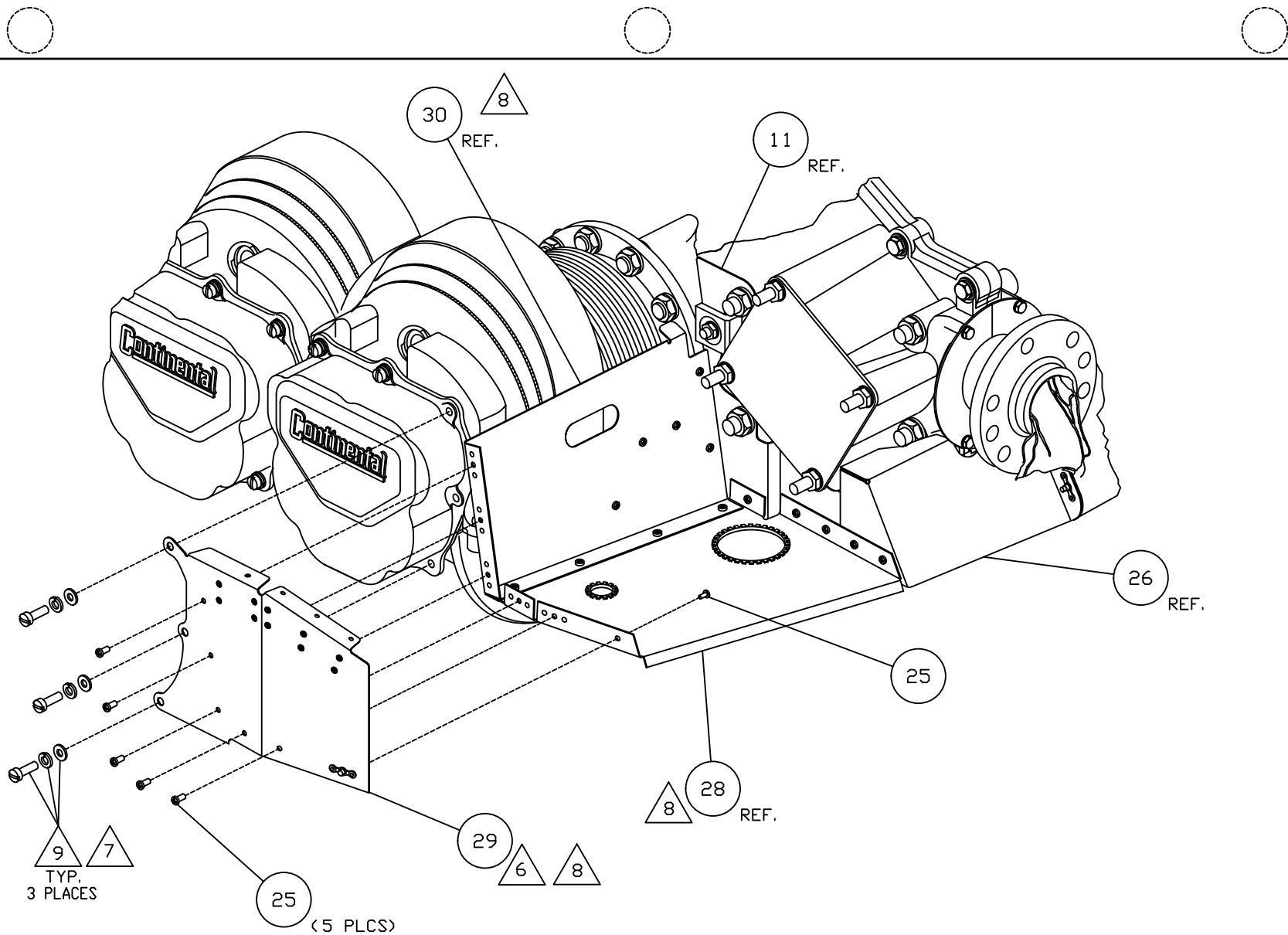
NEXT ASSY:
 DRAWN BY: K. R. S.
 ENGINEER: D. BRAUN
 CHECKED BY: D. B.

INSTALLATION ALTERNATOR BAFFLE

TOLERANCES
 .X_.10 .XXX_.01
 .XX_.03 .XXXX_.001
 ANGLES ±5%
 UNLESS STATED

D' SHANNON PRODUCTS, LTD

DWG. No. DSP-IM95-1-13	REVISION C
SCALE: NONE	DATE 04/24/09 SH 6 OF 7

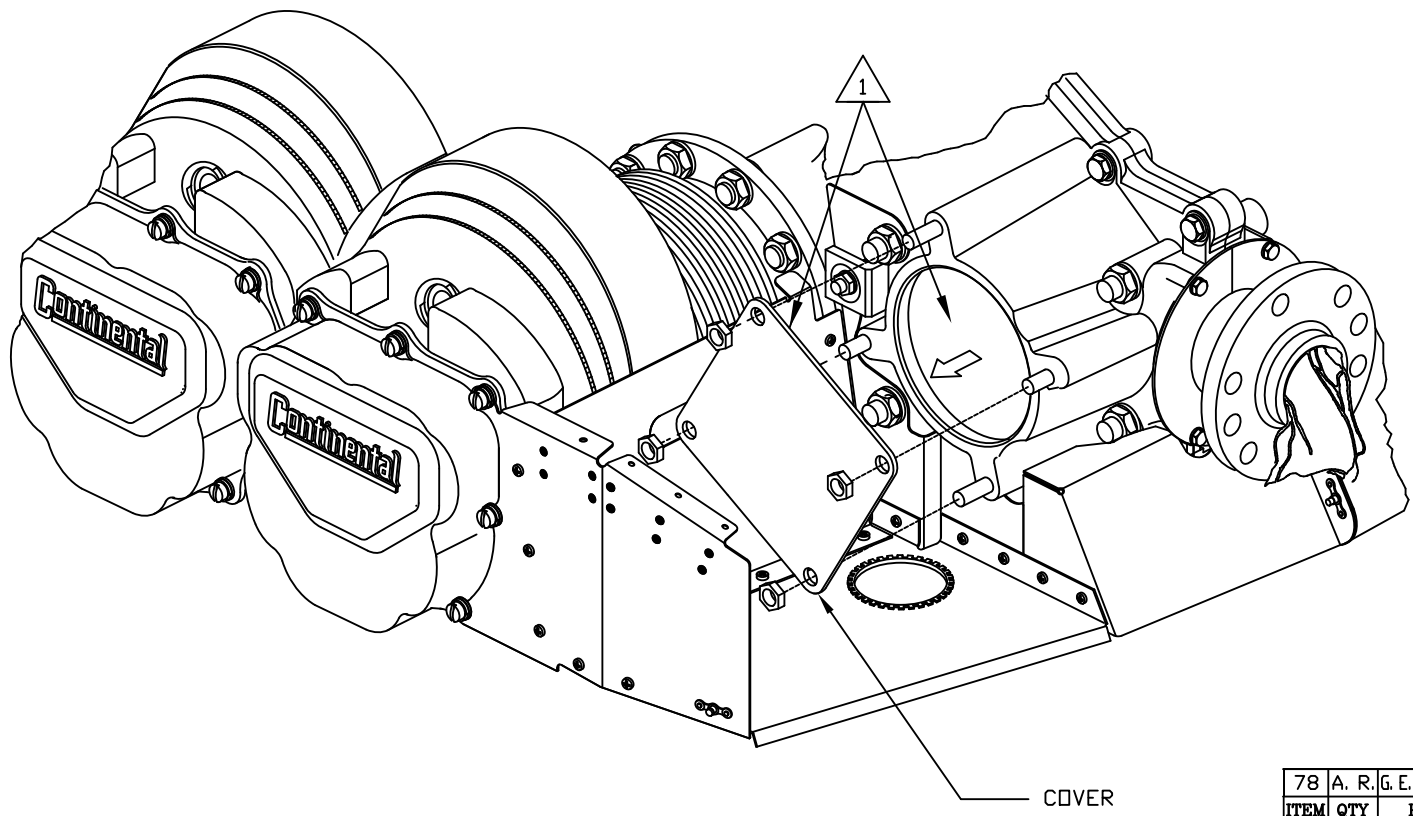


- 9 ORIGINAL HARDWARE (FOR TORQUE VALUES SEE BEECHCRAFT MANUALS).
- 8 TIGHTEN ALL REMAINING SCREWS ITEM 25 TO COMPLETE INSTALLATION.
- 7 AFTER INSTALLATION OF ITEMS 28, 29 AND 30, TIGHTEN ORIGINAL HARDWARE ON THE ROCKER COVER PER CONTINENTAL MANUAL TORQUE VALUES. TIGHTEN REST OF SCREWS ITEM 25.
- 6 INSTALL ITEM 29 AS SHOWN, USING ITEM 25. DO NOT TIGHTEN.

NOTES:

NEXT ASSY: DRAWN BY: K. R. S. ENGINEER: D. BRAUN CHECKED BY: D. B.		INSTALLATION ALTERNATOR BAFFLE	
TOLERANCES .X__10 .XXX__01 .XX_03 .XXXX_001 ANGLES ±5% UNLESS STATED		D' SHANNON PRODUCTS, LTD	
DWG. No. DSP-IM95-1-13		REVISION C	
SCALE: NONE		DATE 04/24/09 SH 7 OF 7	

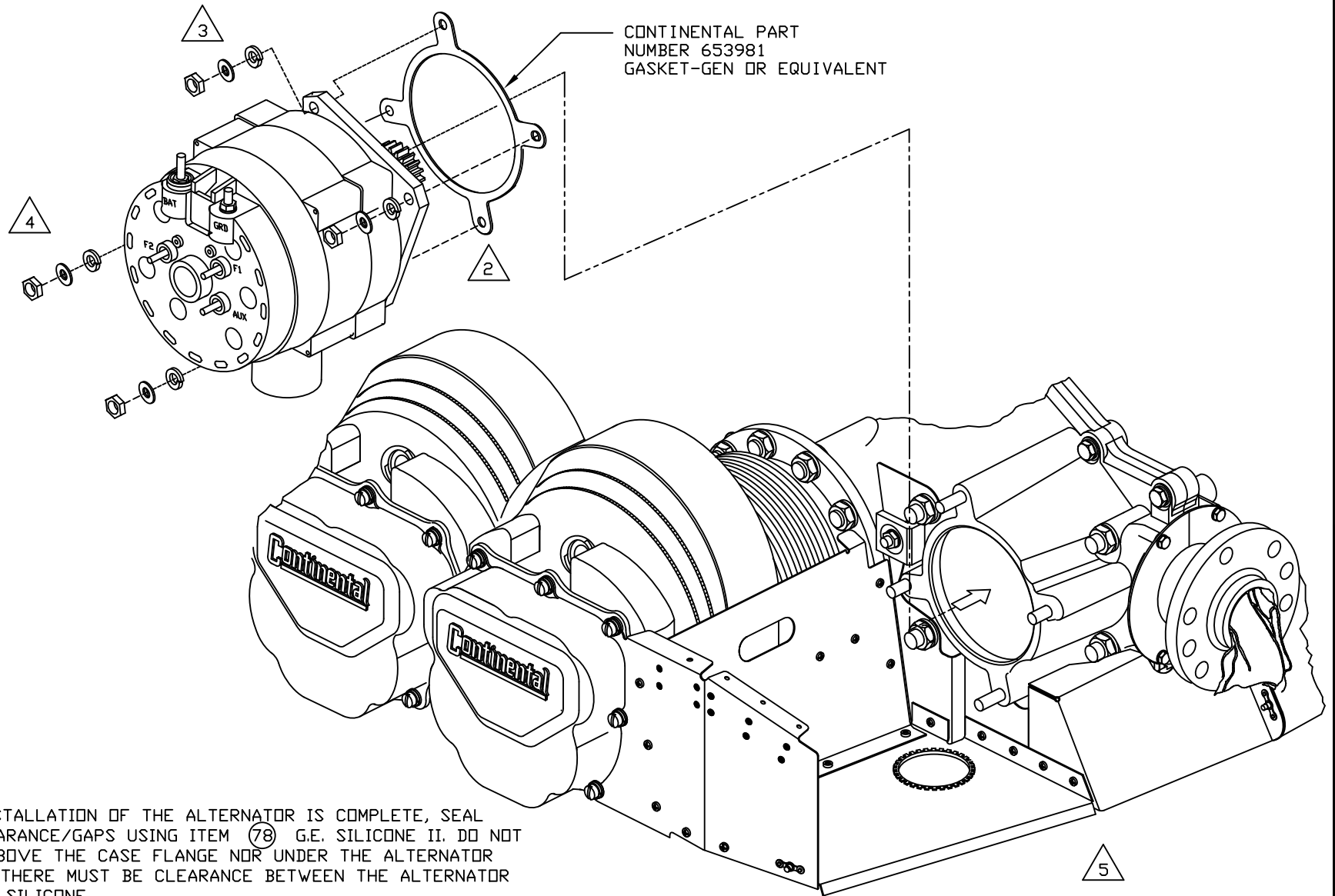
REVISION RECORD			
LTR.	CHANGES	BY	DATE
NC	RELEASED	K. S.	04/24/09
A	MOVE NOTES. REMOVE SH 2.	D. B.	08/30/10
B	REVISE NOTE 1. NEW CONFIGURATION OF -29	D. B.	05/15/13



1 REMOVE ALTERNATOR COVER PLATE IF INSTALLED PRIOR TO REINSTALLING THE ALTERNATOR IN ITS ORIGINAL POSITION. REINSTALLATION OF ALTERNATOR MAY BE DELAYED UNTIL AFTER THE FRONT BAFFLE SEALS ARE INSTALLED. SEE DWG DSP-IM95-1-24.

NOTES:

78	A. R.	G. E. SILICONE II	SILICONE SEALANT
ITEM	QTY	PART No.	DESCRIPTION
NEXT ASSY: DRAWN BY: K. R. S. ENGINEER: D. BRAUN CHECKED BY: D. B.			REINSTALLATION OF ALTERNATOR
TOLERANCES .X_.10 .XXX_.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED			D' SHANNON PRODUCTS, LTD
DWG. No. DSP-IM95-1-14		REVISION	B
SCALE: NONE		DATE 04/24/09	SH 1 OF 2



- 5 ONCE INSTALLATION OF THE ALTERNATOR IS COMPLETE, SEAL ALL CLEARANCE/GAPS USING ITEM (78) G.E. SILICONE II. DO NOT APPLY ABOVE THE CASE FLANGE NOR UNDER THE ALTERNATOR FLANGE, THERE MUST BE CLEARANCE BETWEEN THE ALTERNATOR AND THE SILICONE.
- 4 TORQUE ALTERNATOR PER CONTINENTAL OVERHAUL MANUAL TORQUE VALUES. TORQUE ALTERNATOR NUTS EVENLY.
- 3 ALTERNATOR SHOWN IS ONE OF MANY POSSIBLE CONFIGURATIONS.
- 2 INSTALL ALTERNATOR IN ITS ORIGINAL LOCATION AS SHOWN.

NOTES:

NEXT ASSY:
 DRAWN BY: K. R. S.
 ENGINEER: D. BRAUN
 CHECKED BY: D. B.

REINSTALLATION OF ALTERNATOR

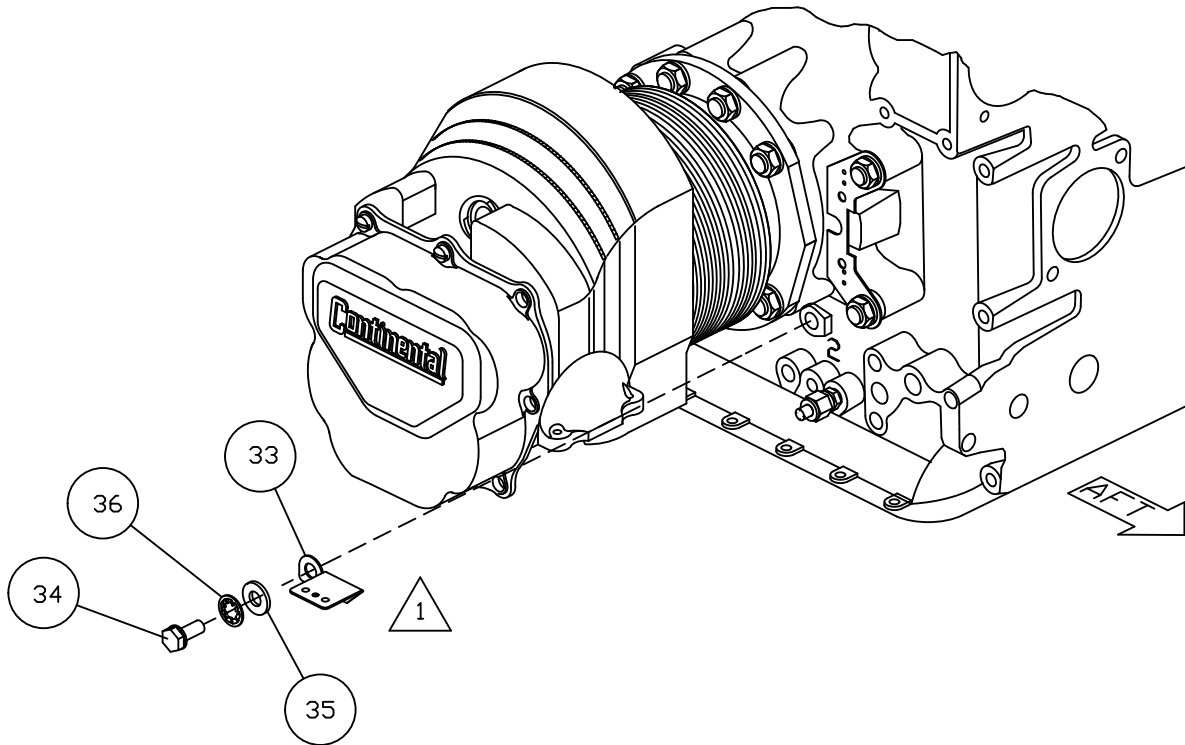
TOLERANCES
 X__10 .XXX__01
 .XX__03 .XXXX__001
 ANGLES ±5%
 UNLESS STATED

D' SHANNON PRODUCTS, LTD

DWG. No. DSP-IM95-1-14	REVISION B
SCALE: NONE	DATE 04/24/09 SH 2 OF 2

REVISION RECORD

LTR.	CHANGES	BY	DATE
NC	RELEASED	K. S.	04/24/09
A	SH 2 DELETED	D. B.	12/02/09



36	1	AN936A-616	INTERNAL TOOTH LOCKWASHER
35	1	AN960-616	FLAT WASHER
34	1	AN76A-06	DRILLED HEAD BOLT (ALTERNATE)
34	1	MS20074-06-06	DRILLED HEAD BOLT
33	1	244005Z	#2 CYL/OIL COOLER CASE BRACKET ASSY
ITEM	QTY	PART No.	DESCRIPTION

NEXT ASSY:
 DRAWN BY: K. R. S.
 ENGINEER: D. BRAUN
 CHECKED BY: D. B.

INSTL OF REAR #2 BAFFLE TAB

TOLERANCES
 X__10 .XXX__01
 XX__03 .XXXX__001
 ANGLES ±5%
 UNLESS STATED

D' SHANNON PRODUCTS, LTD

DWG. No. DSP-IM95-1-16 REVISION A
 SCALE: NONE DATE 04/24/09 SH 1 OF 1

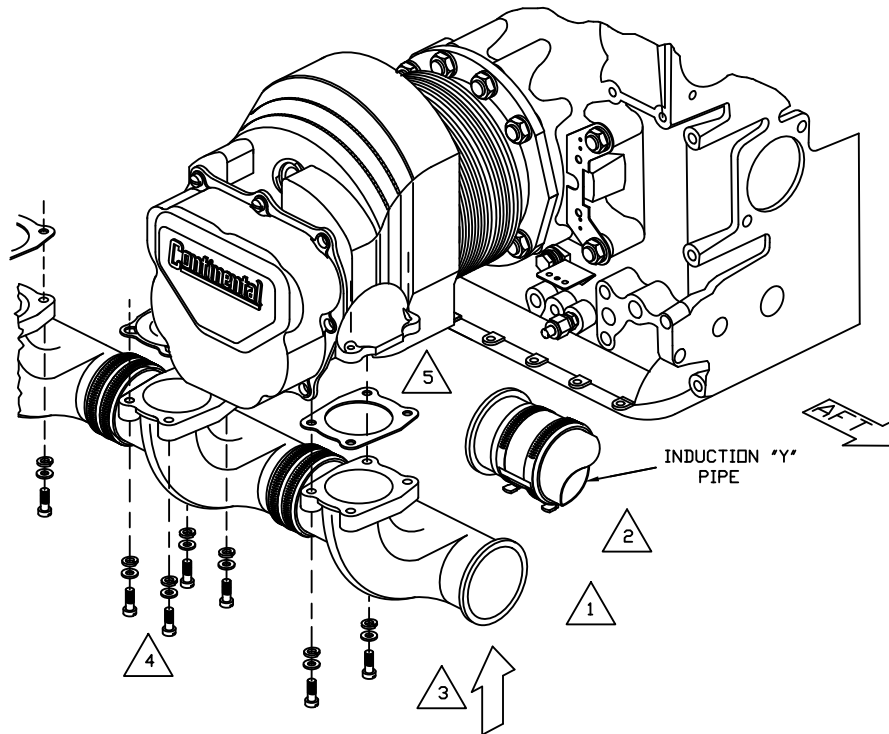
1

POSITION #2 BAFFLE TAB ITEM (33) BETWEEN THE ENGINE OIL COOLER AND BELOW NUMBER 2 CYLINDER, WHEN TOP FACE OF ITEM (33) IS PARALLEL TO THE BOTTOM OF THE CASE SECURE TO ENGINE BLOCK USING ITEM (35), (36) AND (34).

NOTES:

REVISION RECORD

LTR.	CHANGES	BY	DATE
NC	RELEASED	K. S.	04/24/09
A	MOVED NOTES. REMOVED SH 2.	D. B.	03/08/10



5 MAKE SURE THAT THE GASKET BETWEEN THE MANIFOLD AND THE CYLINDER MATCH, THEY ARE NOT SYMMETRICAL.

4 NOTE 3 IS APPLICABLE FOR BOTH SIDES OF THE ENGINES.

3 ONE WAY TO INSTALL THE INTAKE MANIFOLD ASSEMBLY IS TO INSTALL THE HOSE ON THE BALANCE TUBE WITH THE INTAKE MANIFOLD ROTATED AT 90° OUTBOARD, AND PUSH THE MANIFOLD INTO THE HOSE ON THE BALANCE TUBE. ROTATE THE INTAKE MANIFOLD ASSEMBLY TO THE RIGHT SO YOU CAN RAISE THE MANIFOLD. WITH THE GASKET IN THE CORRECT POSITION, INSTALL THE ORIGINAL BOLTS INTO THE WASHER, FOLLOWED BY THE LOCK WASHER, THEN TO THE MANIFOLD, AND FINALLY THROUGH THE GASKET INTO THE HEAD. TURN THE BOLTS INTO THE HEAD BUT DO NOT TIGHTEN AT THIS TIME. REPOSITION THE HOSE THAT WAS PUSHED ONTO THE "Y" PIPE BY SLIDING IT BACK ONTO THE INTAKE MANIFOLD PIPE. ROTATE ALL HOSE CLAMPS TO A POSITION THAT IS BEST SUITED TO CHECK THE TIGHTNESS OF THE HOSES IN THE AIRCRAFT, AND TO MAKE SURE THAT THE HOSES DO NOT TOUCH THE EXHAUST MANIFOLD. IMPORTANT: YOU NEED TO PAY ATTENTION TO THE DIRECTION OF THE HOSE CLAMPS SO THAT THEY DO NOT LAY AGAINST THE EXHAUST MANIFOLD. THE "Y" PIPE AND THE BALANCE TUBE NEED TO BE POSITIONED IN A MANNER THAT THEY DO NOT HIT THE STAINLESS STEEL MOUNT SHIELD.

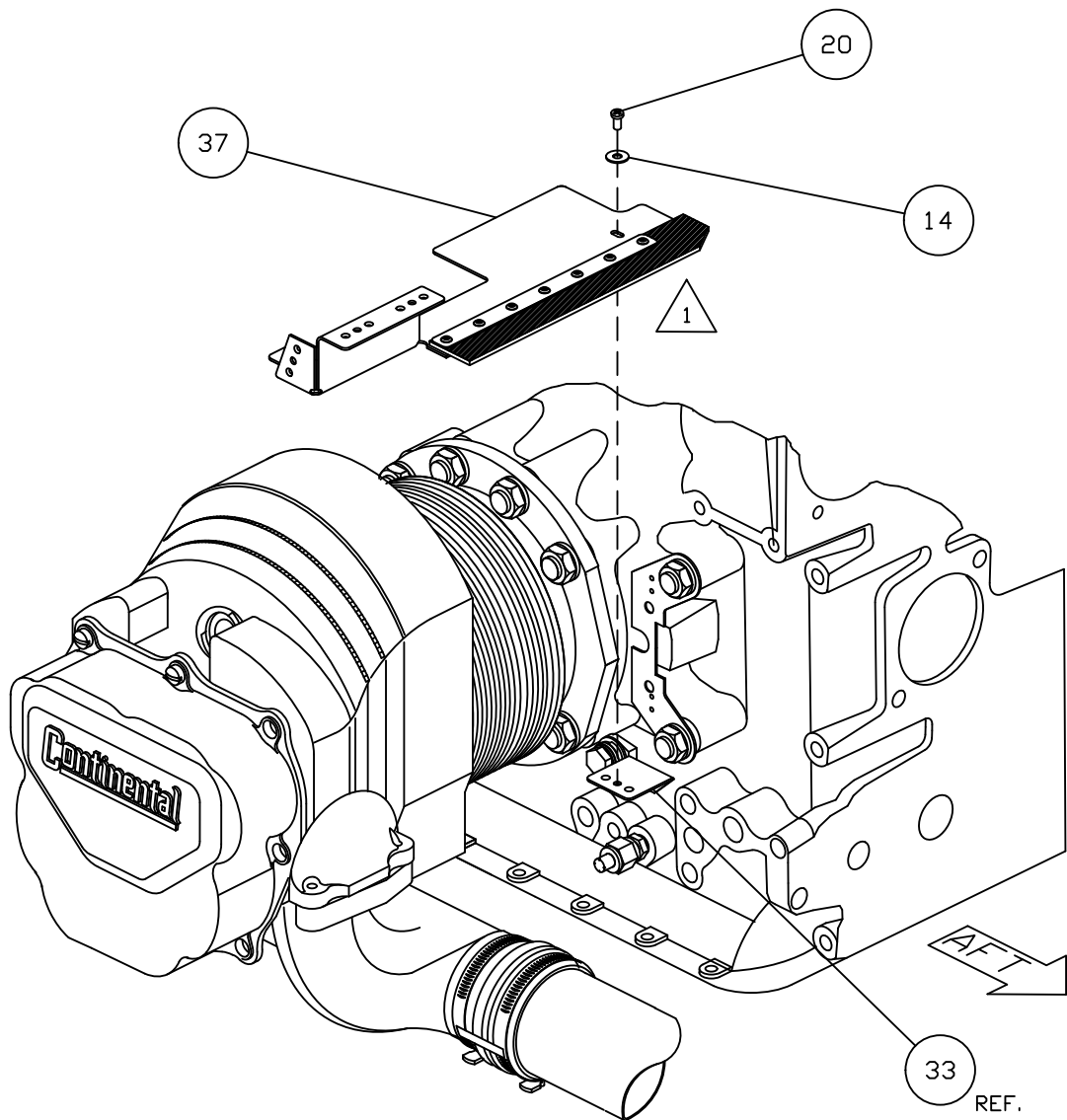
2 RE-INSPECT FOR ANY FOREIGN OBJECTS OR ANY OTHER OBTRUSION INSIDE THE PIPES.

1 REMOVE ALL COVERS/CAPS FROM ALL ENDS OF INTAKE PIPES, BALANCE TUBE AND THE INDUCTION "Y" PIPE BEFORE REINSTALLING THE INDUCTION MANIFOLD

NOTES:

ITEM	QTY	PART No.	DESCRIPTION
NEXT ASSY: DRAWN BY: K. R. S. ENGINEER: D. BRAUN CHECKED BY: D. B.			REINSTALL INTAKE PIPE LEFT SIDE
TOLERANCES .X__10 .XXX__01 .XX_03 .XXXX_001 ANGLES ±5% UNLESS STATED			D' SHANNON PRODUCTS, LTD
DWG. No. DSP-IM95-1-17		REVISION	A
SCALE: NONE		DATE 04/24/09	SH 1 OF 1

REVISION RECORD			
LTR.	CHANGES	BY	DATE
NC	RELEASED	K. S.	04/24/09
A	REVISE NOTES. REMOVE SHEET 4 AND 5	D. B.	08/31/10
B	NOTE 4 INADVERTANTLY LEFT OFF.	D. B.	03/25/11



ITEM (33) REFERENCED ON DWG. DSP-IM95-1-16, SH 1 OF 1.

78	A. R.	G.E. SILICONE II	SILICONE SEALANT
20	2	MS35206-227	PAN HEAD MACHINE SCREW
14	2	AN960C6	FLAT WASHER
38	1	244004Z	#2 CYLINDER VERTICAL HEAD BAFFLE ASSY
37	1	244023Z	#2 CYLINDER LOWER AFT BAFFLE ASSY
ITEM	QTY	PART No.	DESCRIPTION

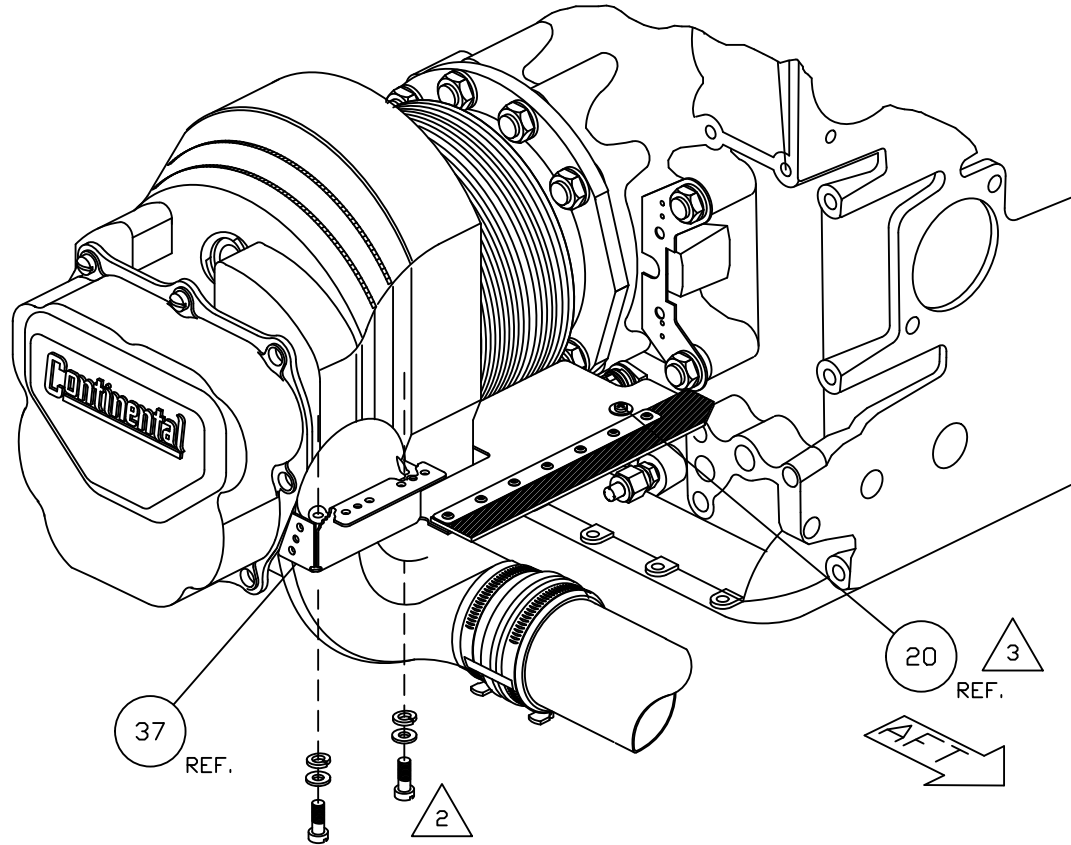
NEXT ASSY:
 DRAWN BY: K. R. S.
 ENGINEER: D. BRAUN
 CHECKED BY: D. B.

INSTALLATION OF REAR #2 BAFFLE

TOLERANCES		D' SHANNON PRODUCTS, LTD	
.X_.10 .XXX_.01		DWG. No. DSP-IM95-1-18	REVISION B
.XX_.03 .XXXX_.001		SCALE: NONE	DATE 04/24/09 SH 1 OF 3
ANGLES ±5%			
UNLESS STATED			

1 INSTALL ITEM (37) USING SCREW ITEM (20) THROUGH ITEM (14) INTO ITEM (33), LOOSEN ITEM (20) SO ITEM (37) CAN ROTATE. SEE SHT. 2 OF 4 TO VIEW ORIENTATION OF ITEM (37).

NOTES:



△ 3 TIGHTEN ITEM ②0 .

△ 2 INSTALL THE ORIGINAL BOLTS, WASHERS AND LOCK WASHERS INTO THE #2 CYLINDER'S INTAKE BOLT HOLES. TORQUE EACH BOLT IN EVERY CYLINDER ON BOTH SIDES IN SEQUENCE. (REF. CONTINENTAL MANUAL FOR TORQUE VALUES).

NOTES:

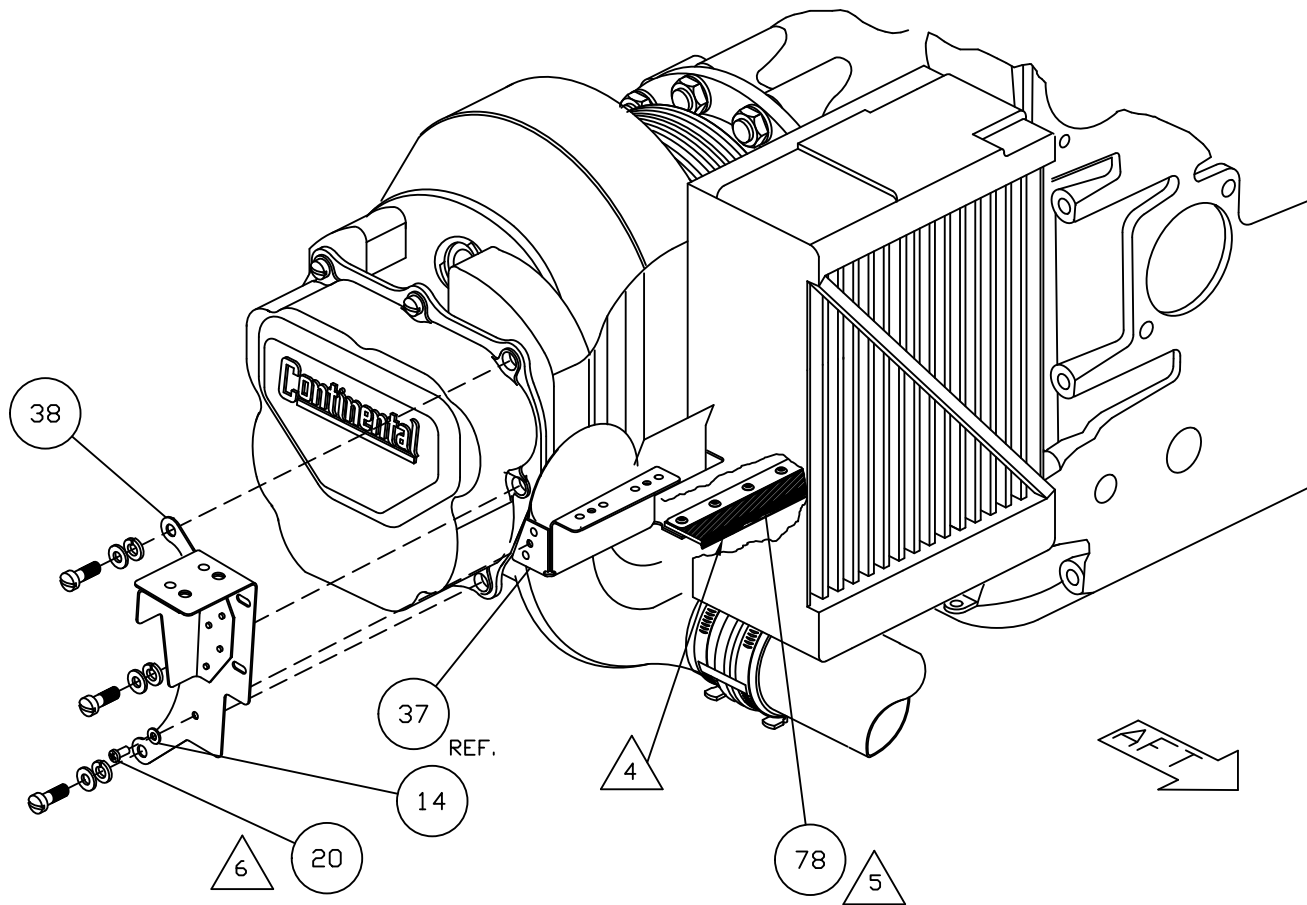
NEXT ASSY:
 DRAWN BY: K. R. S.
 ENGINEER: D. BRAUN
 CHECKED BY: D. B.

INSTALLATION OF REAR #2 BAFFLE

TOLERANCES
 .X__10 .XXX__01
 .XX__03 .XXXX__001
 ANGLES ±5%
 UNLESS STATED

D' SHANNON PRODUCTS, LTD

DWG. No. DSP-IM95-1-18	REVISION B
SCALE: NONE	DATE 04/24/09 SH 2 OF 3



△ 6 INSTALL ITEM 38 TO THE ROCKER COVER USING ORIGINAL HARDWARE AS SHOWN ON DRAWING AND TIGHTEN AS PER CONTINENTAL TORQUE SPECIFICATIONS. USING ITEMS 20 & 14, SCREW THROUGH ITEM 38 THROUGH ITEM 37.

△ 5 APPLY A SILICONE BEAD ITEM 78 TO THE AREA WHERE THE RUBBER EDGE OF ITEM 37 AND THE OIL COOLER MEET. APPLY SILICONE TO THE BOTTOM NOT TO ANY OF THE OIL COOLER FINS. APPLICATION OF SILICONE IS ALSO REQUIRED ON ANY AREA WHERE ITEM 37 MEETS WITH THE ENGINE CASE.

△ 4 TRIM RUBBER TO FIT, SO THE EDGE OF THE RUBBER INSTALLED ON ITEM 37 IS AGAINST THE OIL COOLER.

NOTES:

NEXT ASSY:
DRAWN BY: K. R. S.
ENGINEER: D. BRAUN
CHECKED BY: D. B.

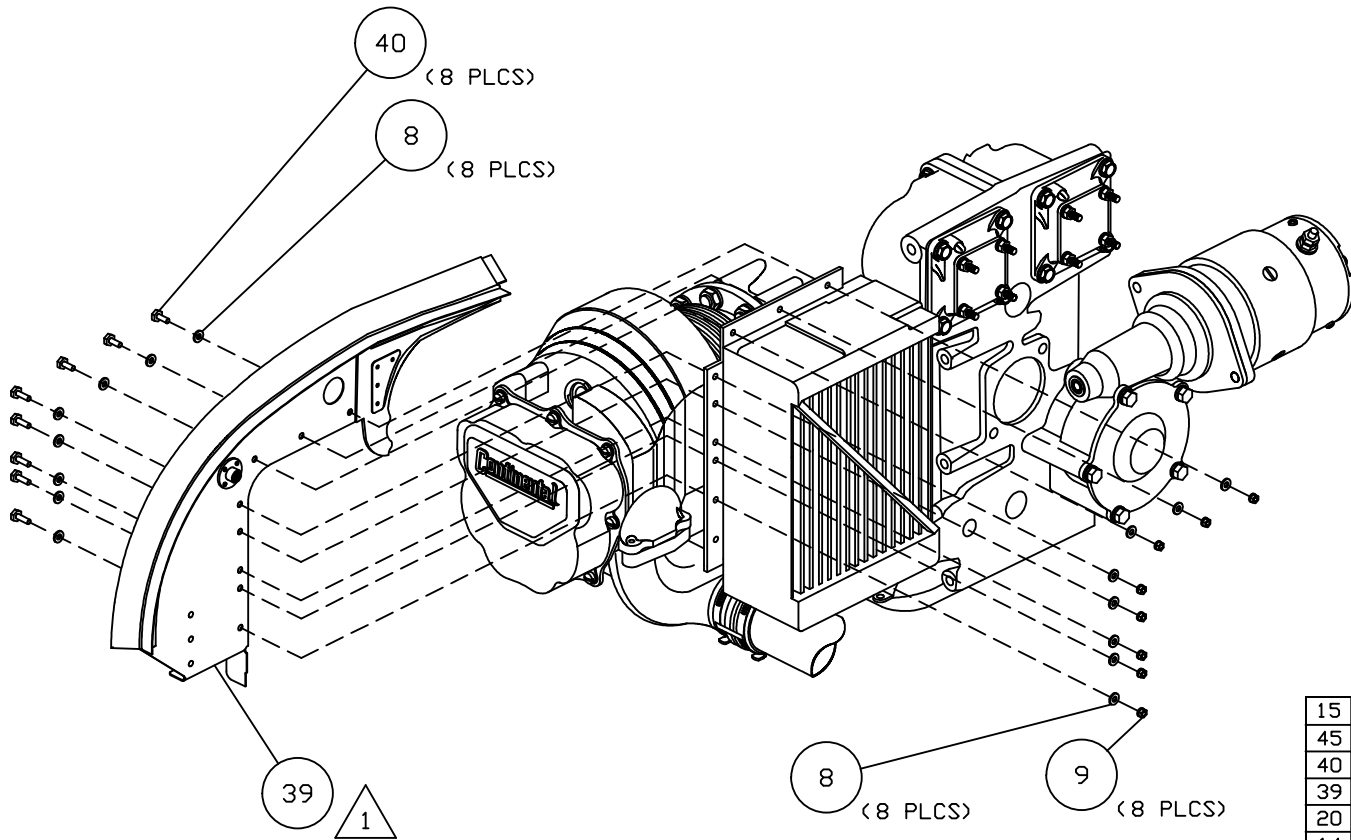
INSTALLATION OF REAR #2 BAFFLE

TOLERANCES
.X__10 .XXX__01
.XX_03 .XXXX_001
ANGLES ±5%
UNLESS STATED

D' SHANNON PRODUCTS, LTD

DWG. No. DSP-IM95-1-18 REVISION B
SCALE: NONE DATE 04/24/09 SH 3 OF 3

REVISION RECORD			
LTR.	CHANGES	BY	DATE
NC	RELEASED	K. S.	04/24/09
A	ATTACH #2 BAFFLE. MOVE NOTES. REMOVE SH 5	D. B.	08/30/10
B	REVISE NOTE 1 TO INCLUDE ADDITIONAL HOLES	D. B.	05/15/13
C	RESIZE BOLT	W. E.	7/2/15
D	ADD NUT AND WASHER TO SH. 3 OF 4	L. L.	10/14/15



15	2	MS21042-06	REDUCED DIMENSION LOCKNUT
45	1	AN931-12-17	GROMMET
40	8	AN3-4A	BOLT UNDRILLED #10-32
39	1	244067Z	BAFFLE REAR CANTED LEFT ASSEMBLY
20	4	MS35206-227	PAN HEAD MACHINE SCREW
14	6	AN960C6	FLAT WASHER
9	8	MS21042-3	REDUCED DIMENSION LOCKNUT
8	16	AN960-10	FLAT WASHER
ITEM	QTY	PART No.	DESCRIPTION

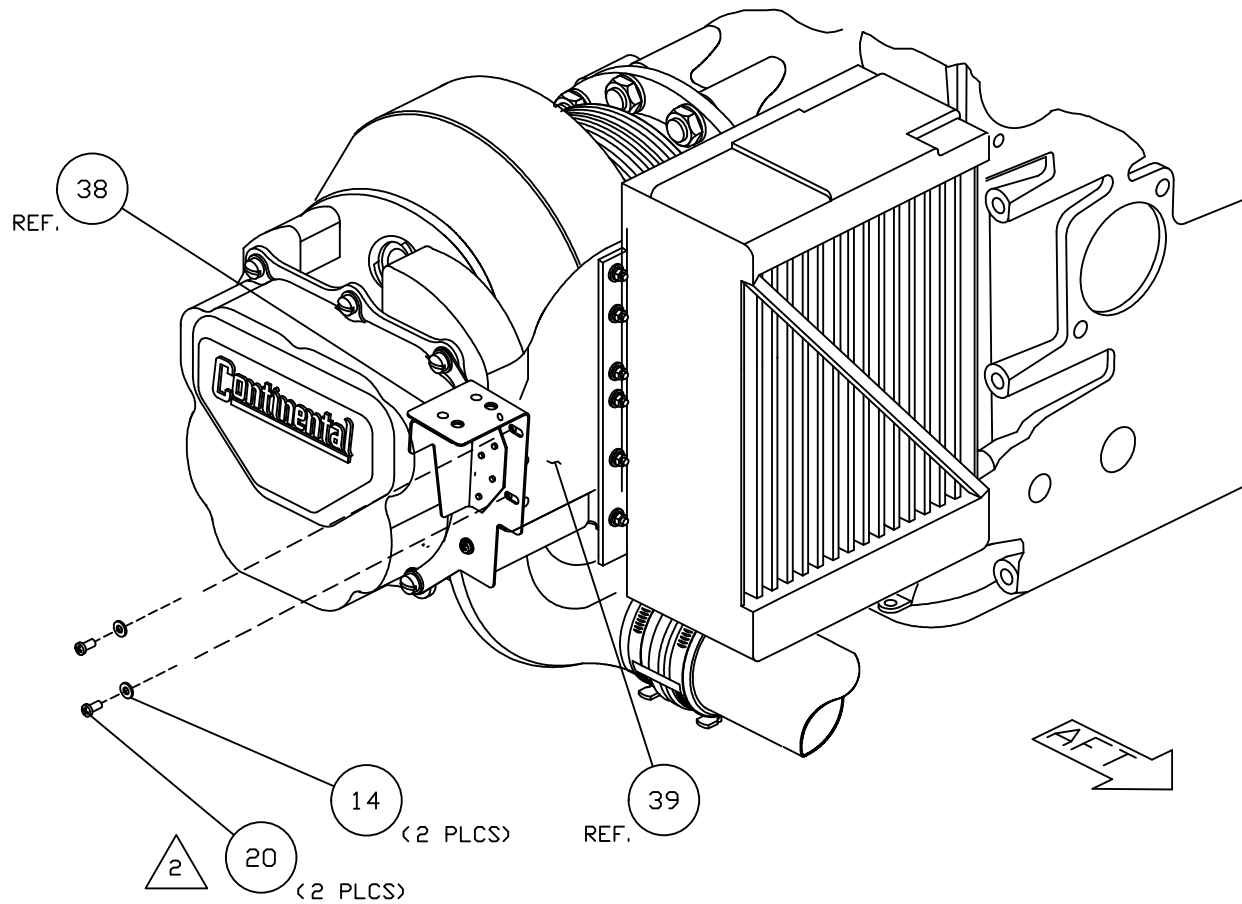
NEXT ASSY:
 DRAWN BY: W. E.
 ENGINEER: R. R.
 CHECKED BY: L. L.

INSTALLATION BAFFLE REAR LEFT

TOLERANCES		D' SHANNON PRODUCTS, LTD	
X__10 .XXX__01			
XX_03 .XXXX_001		DWG. No. DSP-IM95-1-19	REVISION D
ANGLES ±5%		SCALE: NONE	DATE 10/14/15 SH 1 OF 4
UNLESS STATED			

1 TRACE FROM THE OLD BAFFLE ANY ADDITIONAL HOLES REQUIRED BY THE ACCESSORIES ON THE AIRCRAFT. DRILL OR OTHERWISE FORM THE ADDITIONAL HOLES PRIOR TO INSTALLING ITEM 39. ALIGN HOLES IN ITEM 39 WITH OIL COOLER, RUN ITEM 40 THROUGH ITEMS 8, 39 AND THE OIL COOLER AND ANOTHER ITEM 8. SECURE WITH ITEM 9.

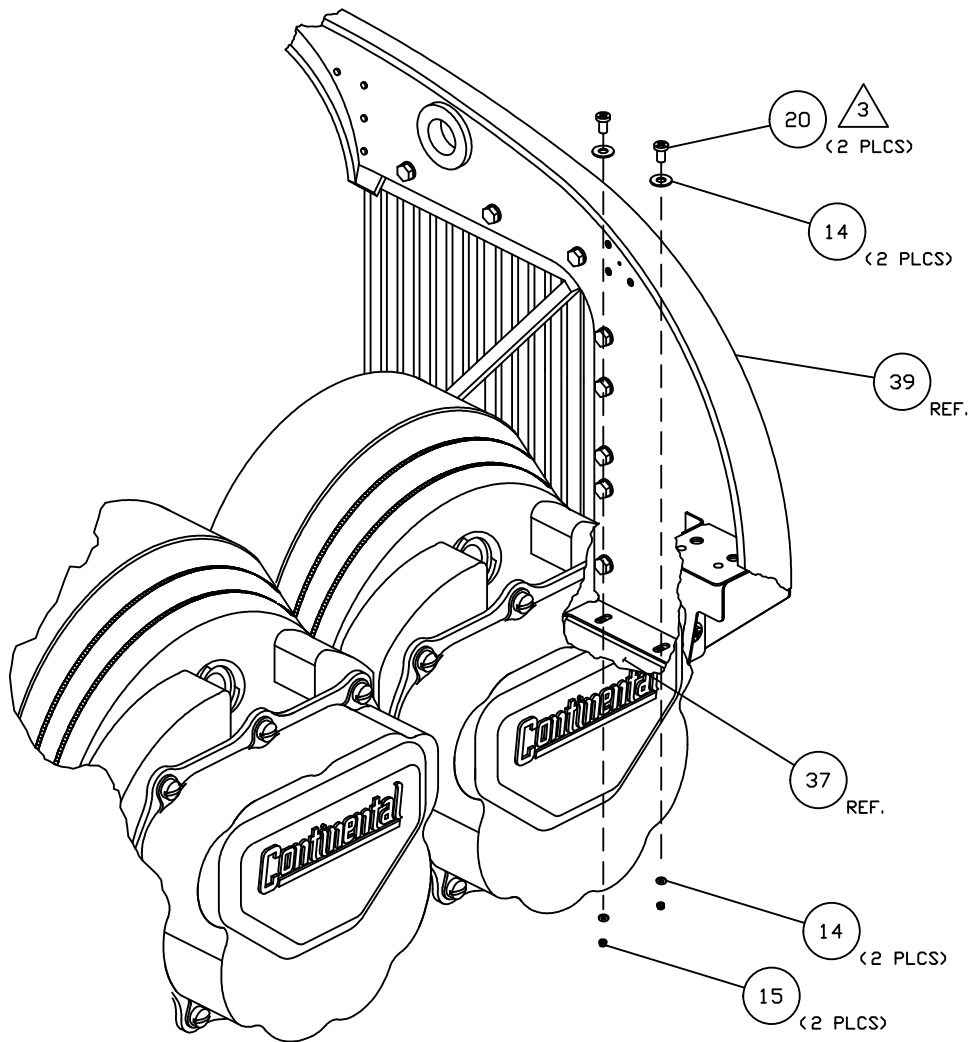
NOTES:



ITEM 38 REFERENCED ON DWG. DSP-IM95-1-18,
SH 3 OF 3.

 INSTALL ITEMS 20, 14 THROUGH ITEM 38 AND 39, TIGHTEN.
 NOTES:

NEXT ASSY: DRAWN BY: W. E. ENGINEER: R. R. CHECKED BY: L. L.	INSTALLATION BAFFLE REAR LEFT
TOLERANCES X__10 .XXX__01 .XX_03 .XXXX_001 ANGLES ±5% UNLESS STATED	D' SHANNON PRODUCTS, LTD DWG. No. DSP-IM95-1-19 REVISION D SCALE: NONE DATE 10/14/15 SH 2 OF 4



ITEM (37) REFERENCED ON DWG. DSP-IM95-1-18,
SH 1 OF 3.


 INSTALL ITEMS (20), (14) THROUGH ITEM (39) AND (37), TIGHTEN.
 NOTES:

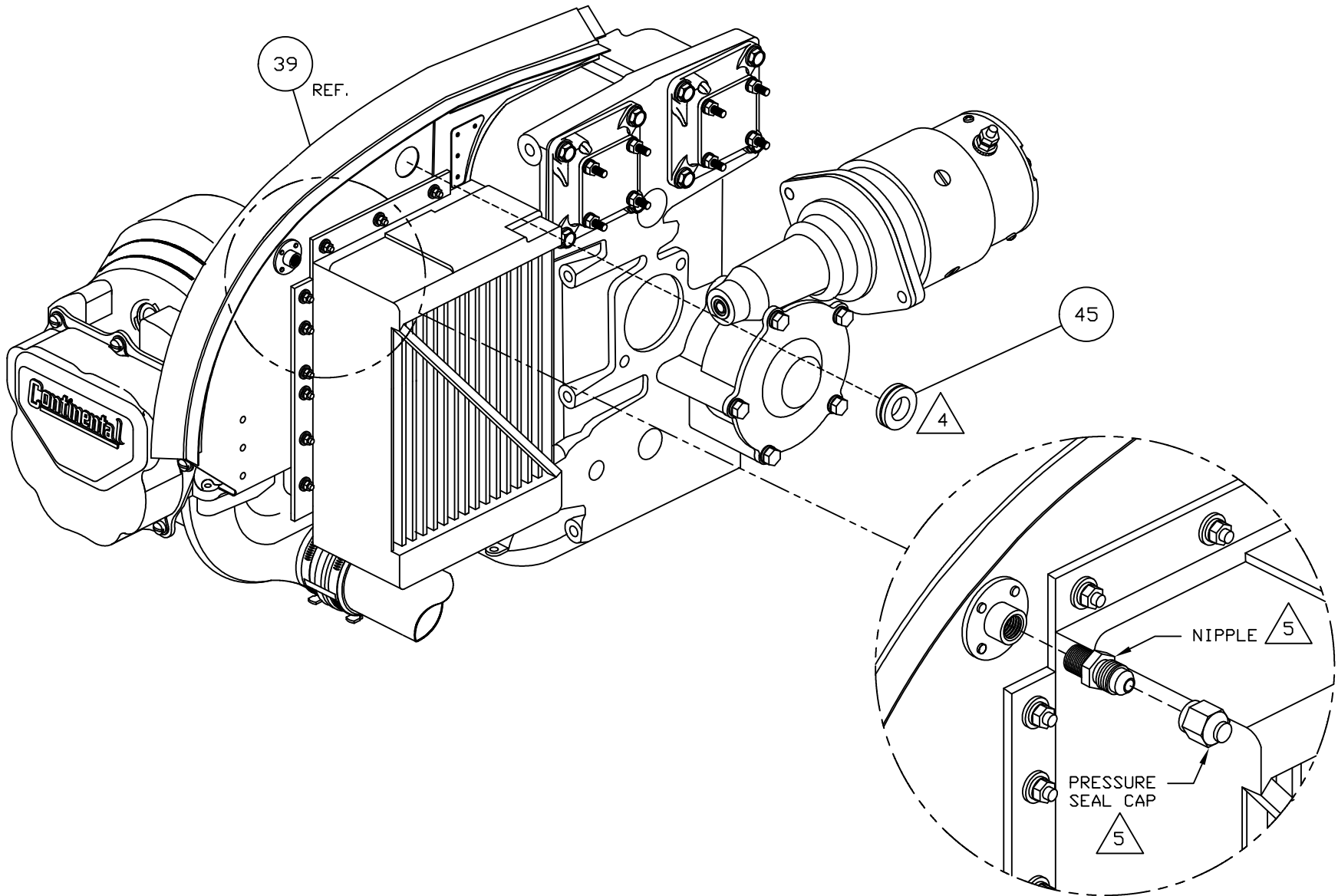
NEXT ASSY:
 DRAWN BY: W. E.
 ENGINEER: R. R.
 CHECKED BY: L. L.

INSTALLATION BAFFLE REAR LEFT

TOLERANCES
 X__10 .XXX__01
 .XX__03 .XXXX__001
 ANGLES ±5%
 UNLESS STATED

D' SHANNON PRODUCTS, LTD

DWG. No. DSP-IM95-1-19	REVISION D
SCALE: NONE	DATE 10/14/15 SH 3 OF 4



△ 5 USE NIPPLE AND PRESSURE GAP SEAL IF REQUIRED FROM ORIGINAL BAFFLE..

△ 4 INSTALL GROMMET ITEM (45) ON ITEM (39) AS SHOWN.

NOTES:

NEXT ASSY:
 DRAWN BY: W. E.
 ENGINEER: R. R.
 CHECKED BY: L. L.

INSTALLATION BAFFLE REAR LEFT

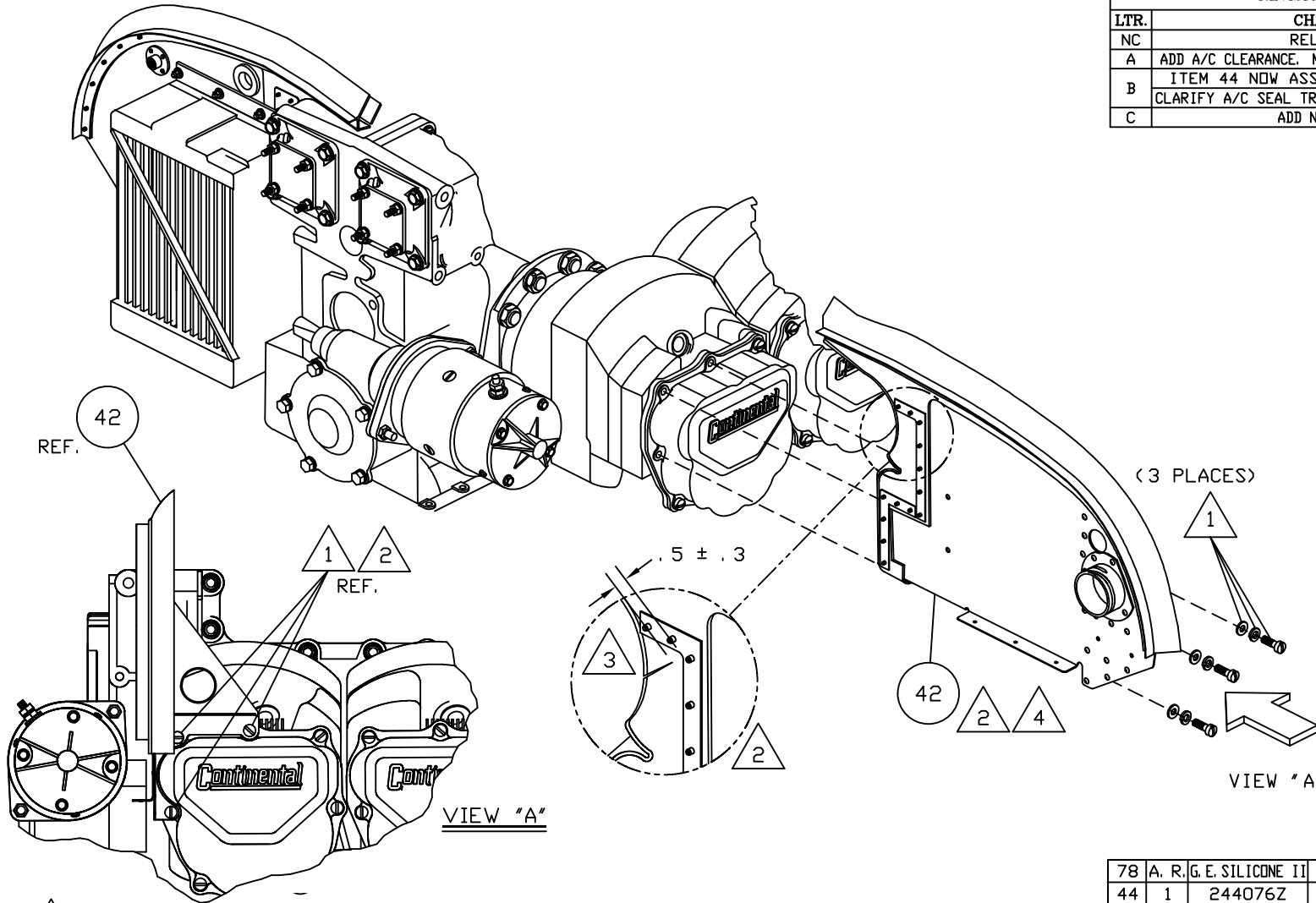
TOLERANCES
 X__10 .XXX__01
 .XX_03 .XXXX_001
 ANGLES ±5%
 UNLESS STATED






D' SHANNON PRODUCTS, LTD

DWG. No. DSP-IM95-1-19	REVISION	D
SCALE: NONE	DATE 10/14/15	SH 4 OF 4

REVISION RECORD

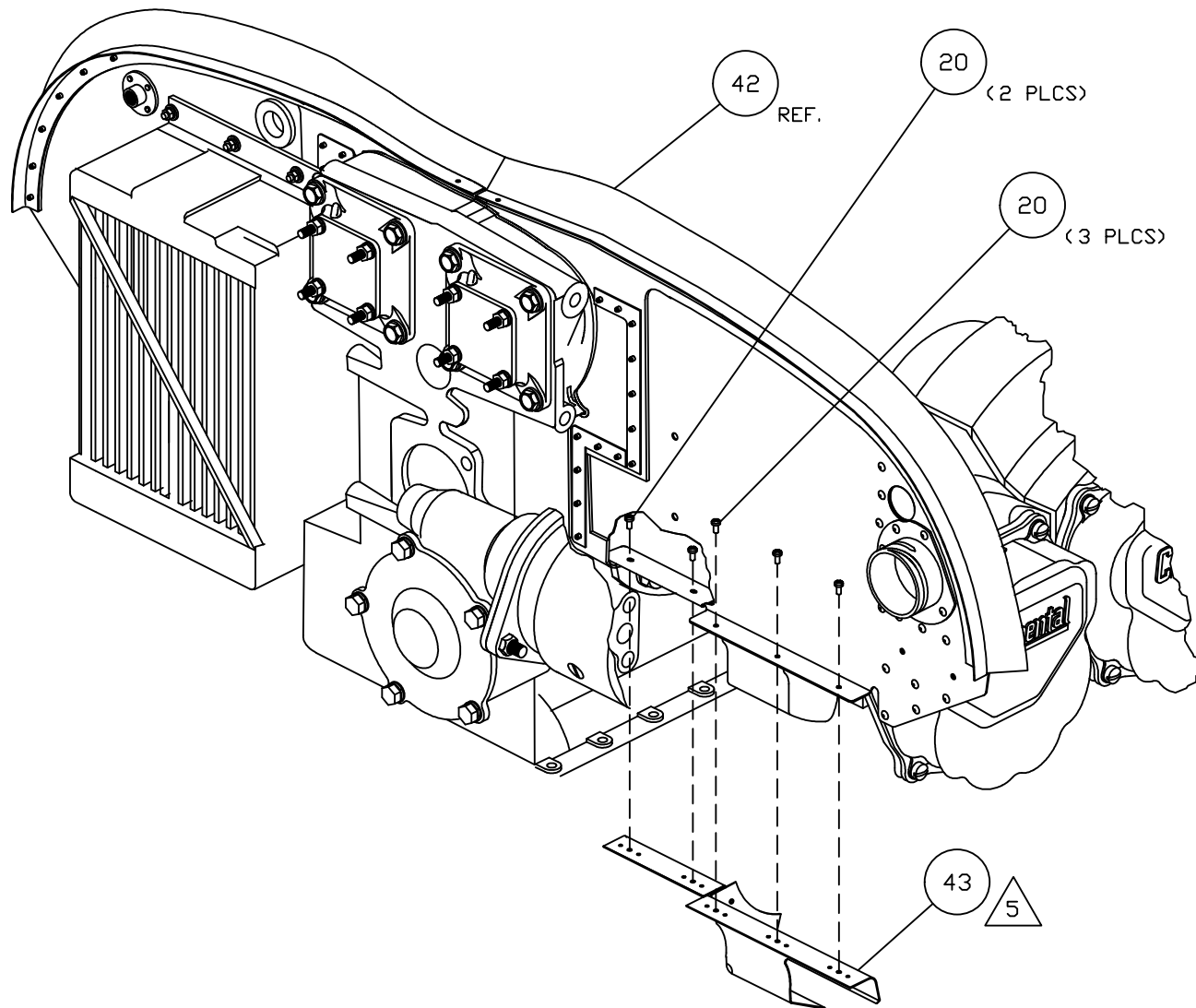
LTR.	CHANGES	BY	DATE
NC	RELEASED	K. S.	04/24/09
A	ADD A/C CLEARANCE. MOVE NOTES. REMOVE SH 5.	D. B.	08/30/10
B	ITEM 44 NOW ASSY WITH PLATE NUTS CLARIFY A/C SEAL TRIMMING, RENUMBER NOTES	D. B.	05/15/13
C	ADD NOTE SH 4	W. E.	7/2/15



-  USE 244069Z-1, 244069Z-1 OR 244069Z-3 AS OPTIONS FOR ITEM (42).
-  IF NEEDED TO CLEAR AIR CONDITIONER BRACKET, TRIM SEAL WITH CORNER CUT AS SHOWN IN INSET. FILL GAP WITH ITEM (78) G.E. SILICONE II SEALANT.
-  INSTALL ITEM (42) ON ENGINE USING ORIGINAL ROCKER COVER HARDWARE AS GUIDE. SEE SHEET 1 OF 4 FOR DETAIL. ALSO SEE NOTE  FOR INSTALLATION ADVICE. TIGHTEN PER CONTINENTAL MANUAL TORQUE VALUES.
-  ORIGINAL HARDWARE.

NOTES:

78	A. R.	G.E. SILICONE II	SILICONE SEALANT
44	1	244076Z	ASSY STARTER STUD BRACKET
43	1	244011Z	#1 CYLINDER LOWER FWD. BAFFLE ASSY
42	1	244069Z	BAFFLE REAR CANTED RIGHT ASSEMBLY
20	5	MS35206-227	PAN HEAD MACHINE SCREW
19	2	AN3-3A	BOLT UNDRILLED #10-32
8	2	AN960-10	FLAT WASHER
ITEM	QTY	PART No.	DESCRIPTION
NEXT ASSY:			INSTALLATION BAFFLE REAR RIGHT
DRAWN BY: W. E.			D' SHANNON PRODUCTS, LTD
ENGINEER: R. R.			
CHECKED BY: L. L.			
TOLERANCES			DWG. No. DSP-IM95-1-20
X_.10 .XXX_.01			REVISION C
.XX_.03 .XXXX_.001			SCALE: NONE
ANGLES ±5%			DATE 7/2/15
UNLESS STATED			SH 1 OF 4

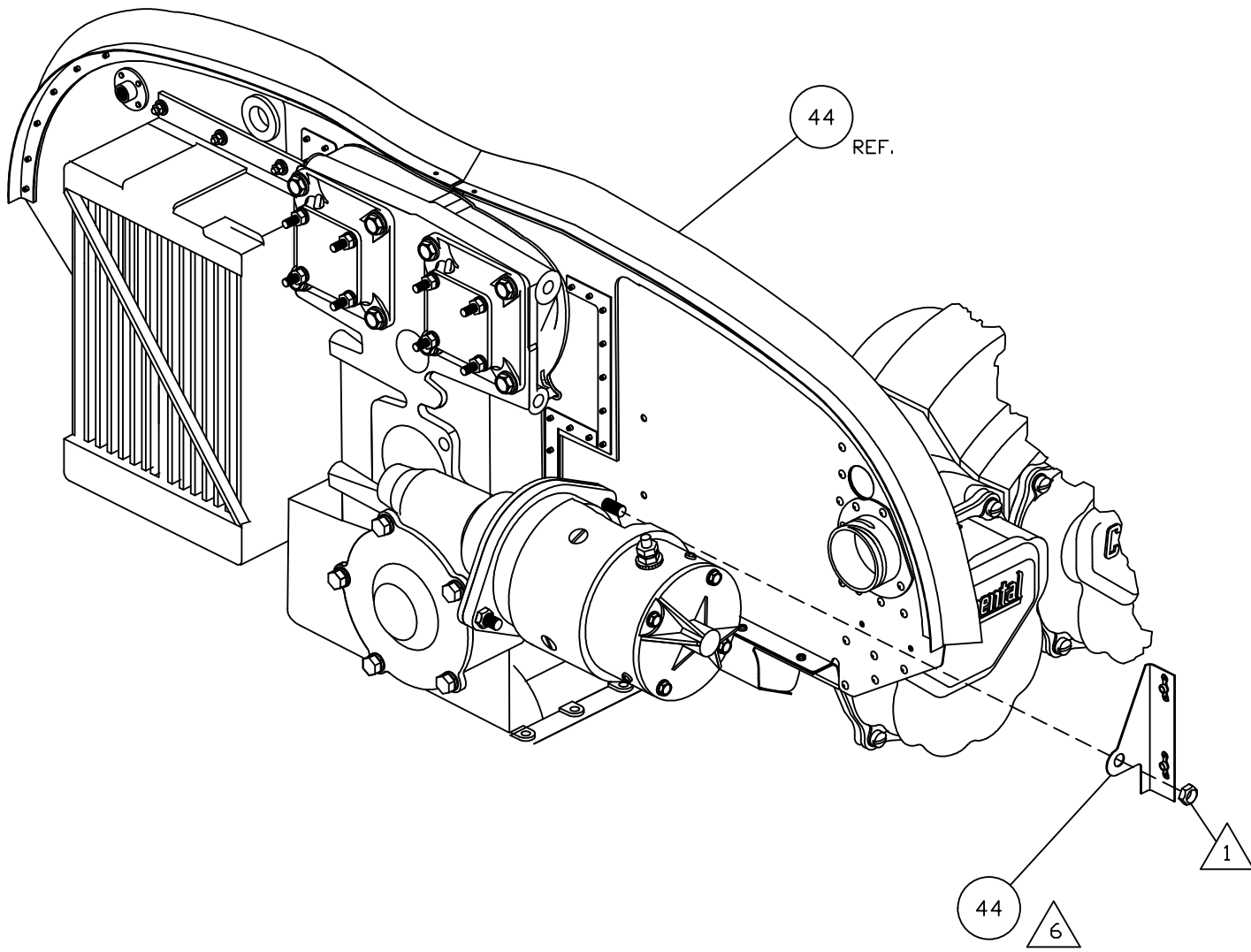


5

ALIGN ITEM (43) AS SHOWN. RUN ITEM (20) THROUGH ITEMS (42) AND (43) AND TIGHTEN. IT MAY AID ASSEMBLY TO LOOSELY ATTACH ITEMS (42) AND (43) TOGETHER PRIOR TO INSTALLING ITEM (42).

NOTES:

NEXT ASSY:		INSTALLATION Baffle REAR RIGHT	
DRAWN BY: W. E.			
ENGINEER: R. R.			
CHECKED BY: L. L.			
<u>TOLERANCES</u>		D' SHANNON PRODUCTS, LTD	
X__10 .XXX__01		DWG. No. DSP-IM95-1-20	REVISION C
.XX_03 .XXXX_001		SCALE: NONE	DATE 7/2/15
ANGLES ±5%			SH 2 OF 4
UNLESS STATED			

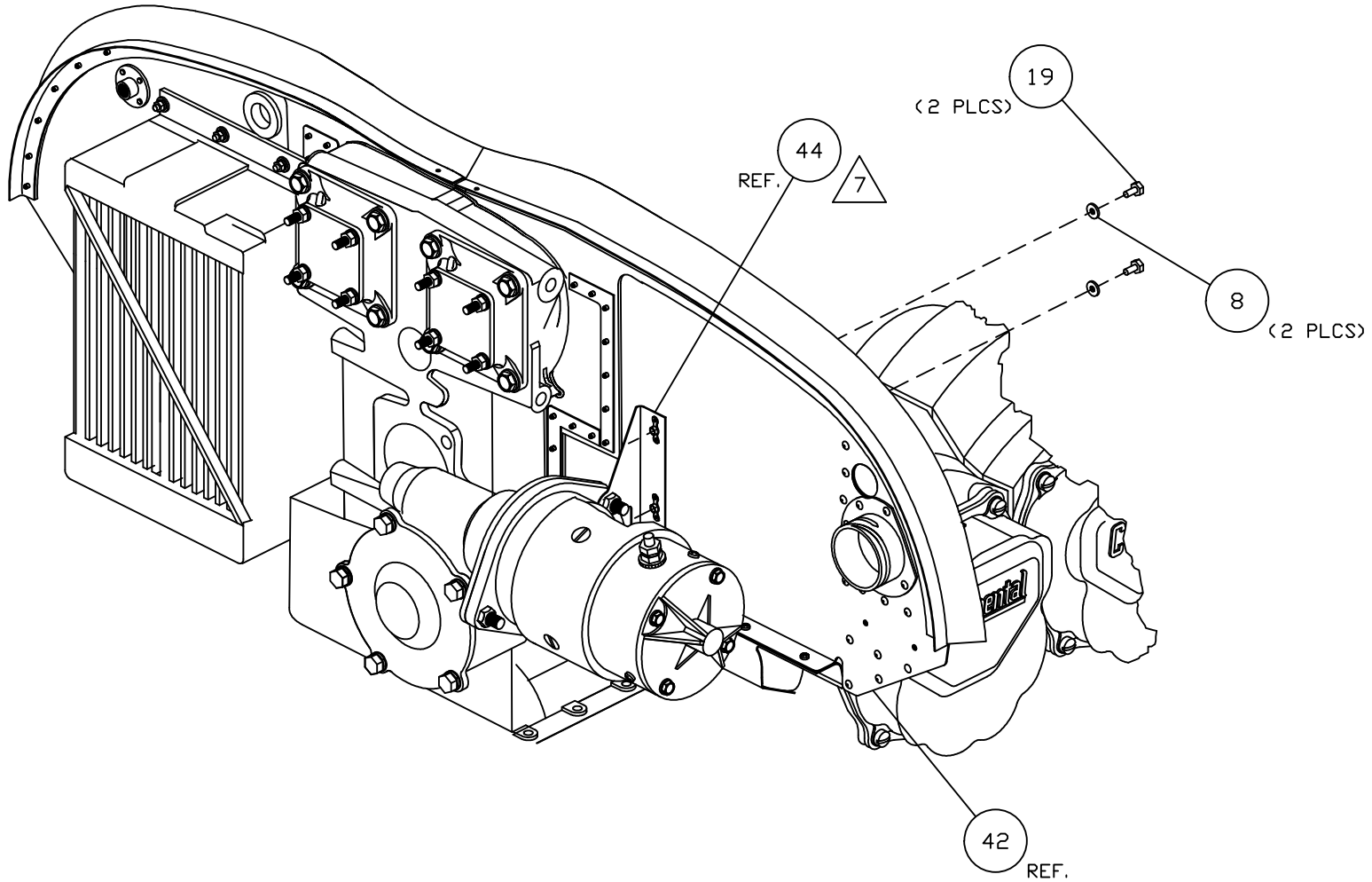


△ 6 ALIGN HOLE IN ITEM 44 WITH STARTER STUD AND FASTEN USING ORIGINAL HARDWARE. TIGHTEN PER CONTINENTAL MANUAL TORQUE VALUES.

△ 1 ORIGINAL HARDWARE.

NOTES:

NEXT ASSY: DRAWN BY: W. E. ENGINEER: R. R. CHECKED BY: L. L.		INSTALLATION BAFFLE REAR RIGHT	
TOLERANCES		D' SHANNON PRODUCTS, LTD	
X_.10 .XXX_.01	.XX_.03 .XXXX_.001	DWG. No. DSP-IM95-1-20	REVISION C
ANGLES ±5%		SCALE: NONE	DATE 7/2/15
UNLESS STATED		SH 3	OF 4



8 DUE TO VARYING STARTER FLANGE THICKNESS, IT IS PERMISSABLE TO RELOCATE ITEM 44 BY DRILLING NEW HOLES IN ITEM 42

7 ALIGN HOLES IN ITEM 44 WITH HOLES ON ITEM 42 AND FASTEN USING ITEMS 8 AND 19 RUNNING ITEMS 19 INTO NUT PLATES ON ITEM 44. TIGHTEN.

NOTES:

NEXT ASSY:
DRAWN BY: W. E.
ENGINEER: R. R.
CHECKED BY: L. L.

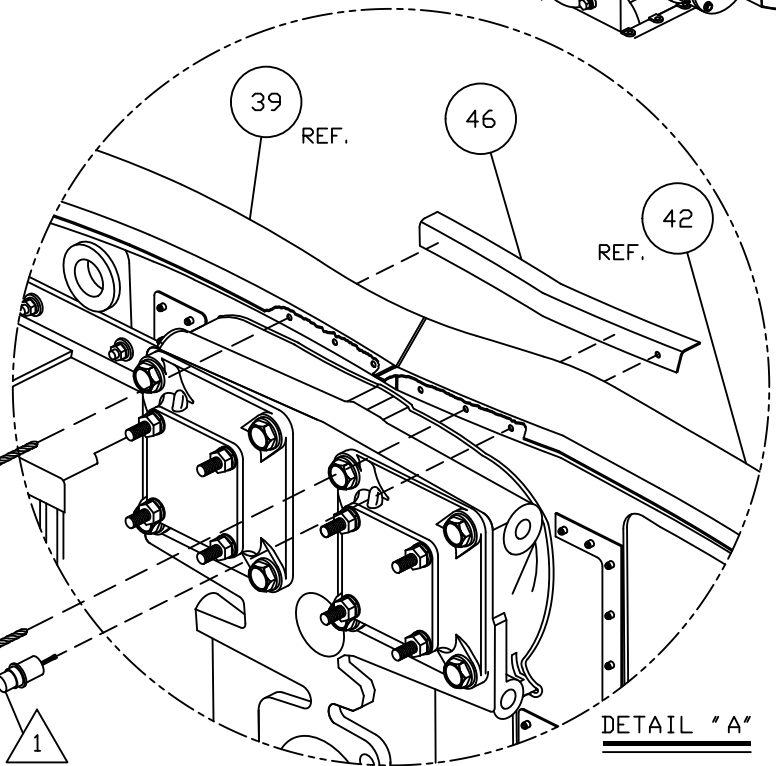
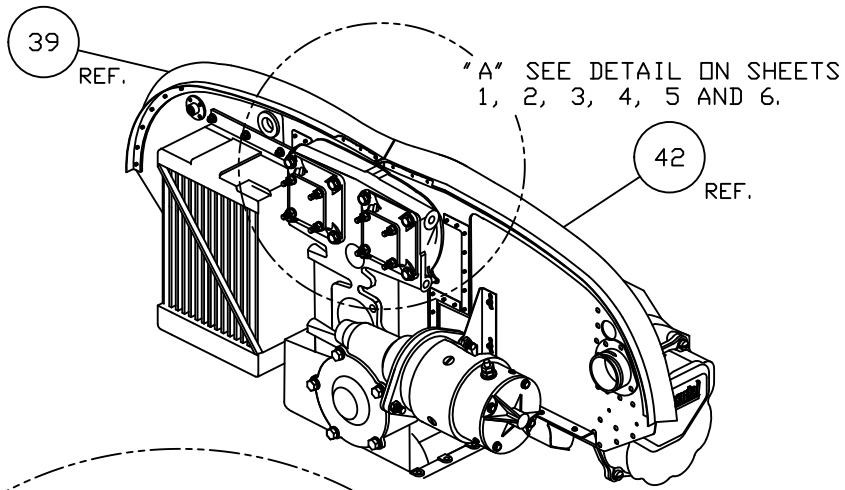
INSTALLATION BAFFLE REAR RIGHT

TOLERANCES
X__10 .XXX__01
.XX_03 .XXXX_001
ANGLES ±5%
UNLESS STATED

D' SHANNON PRODUCTS, LTD

DWG. No. DSP-IM95-1-20	REVISION C
SCALE: NONE	DATE 7/2/15 SH 4 OF 4

REVISION RECORD			
LTR.	CHANGES	BY	DATE
NC	RELEASED	K. S.	04/24/09
A	MOVE NOTES. REMOVE SH 7.	D. B.	08/30/10
B	REVISED ASSY ORDER. ADDED VIEW SH 1 ITEMS 46 AND 47 REDRAWN. REVISE NOTES	D. B.	05/15/13



DETAIL "A"
STEP 1

ITEM 42 REFERENCED ON DWG. DSP-IM95-1-20, SH 1 OF 4.

ITEM 39 REFERENCED ON DWG. DSP-IM95-1-18, SH 1 OF 3.

2 CLECO AS SHOWN. TO PIERCE, GO THROUGH AS SHOWN FROM ITEMS 39 AND 42 TO ITEM 46 USING A NO. 29 DRILL BIT, 2 PLACES.

1 CLECO

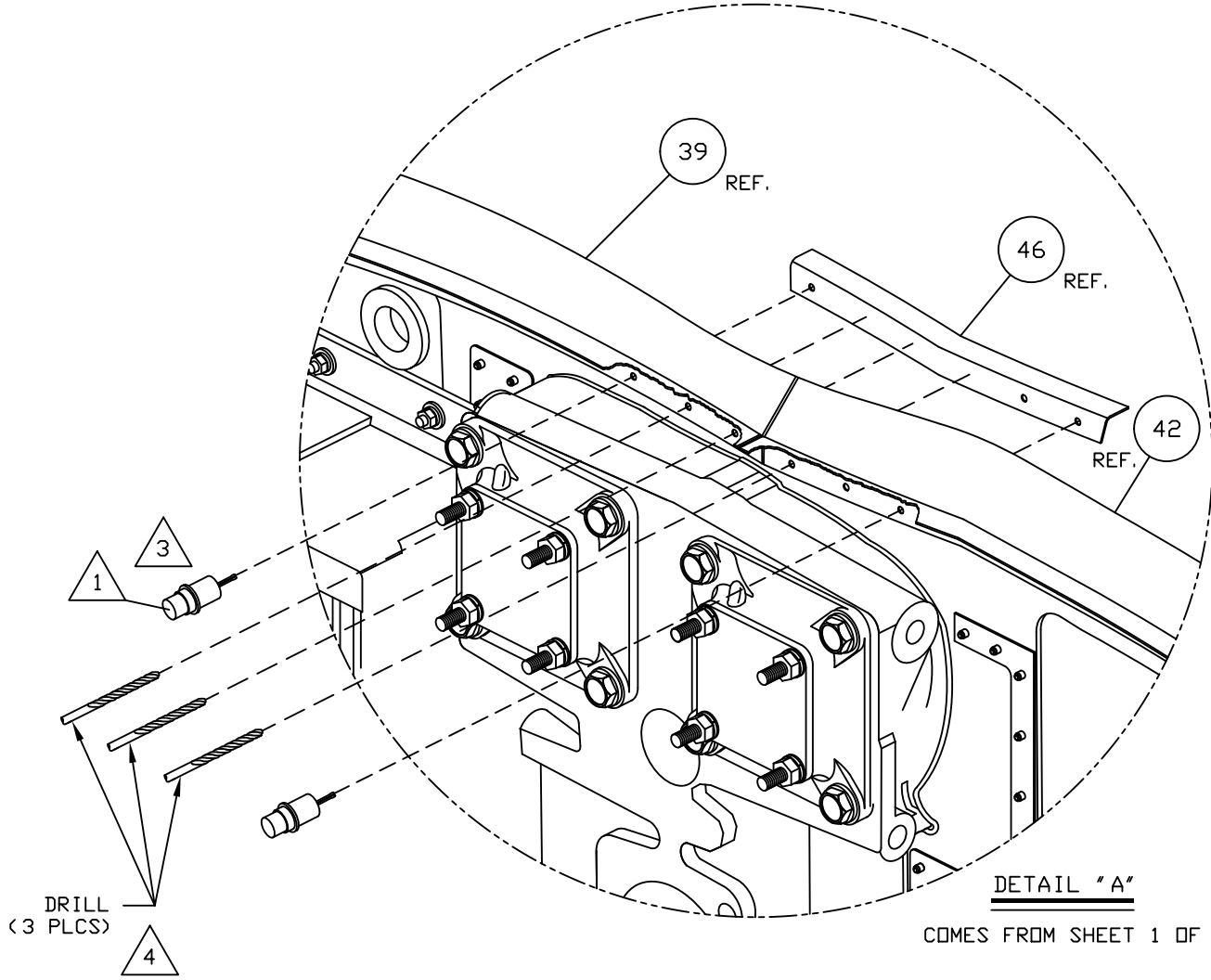
NOTES:

ITEM	QTY	PART No.	DESCRIPTION
48	6	AN526C632R8	TRUSS HEAD MACHINE SCREW
47	1	244058	REAR RETAINER REAR BAFFLE
46	1	244057	FRONT RETAINER REAR BAFFLE
20	2	MS35206-227	PAN HEAD MACHINE SCREW
15	8	MS21042-06	REDUCED DIMENSION LOCKNUT

NEXT ASSY:
DRAWN BY: K. R. S.
ENGINEER: D. BRAUN
CHECKED BY: D. B.

INSTALLATION CENTER BRACKET REAR

TOLERANCES		D' SHANNON PRODUCTS, LTD	
X__10 .XXX__01			
XX_03 .XXXX_001		DWG. No. DSP-IM95-1-21	REVISION B
ANGLES ±5%		SCALE: NONE	DATE 04/24/09 SH 1 OF 6
UNLESS STATED			



DETAIL "A"

COMES FROM SHEET 1 OF 6

STEP 2

△ 4 PIERCE THE REMAINING THREE HOLES FROM ITEMS ④6 AND ③9 TO ITEM ④7 USING A NO. 29 DRILL BIT.

△ 3 CLECD AS SHOWN AT THE FAR ENDS OF ITEM ④6 , THROUGH ITEMS ④2 AND ③9 RESPECTIVELY.

△ 1 CLECD

NOTES:

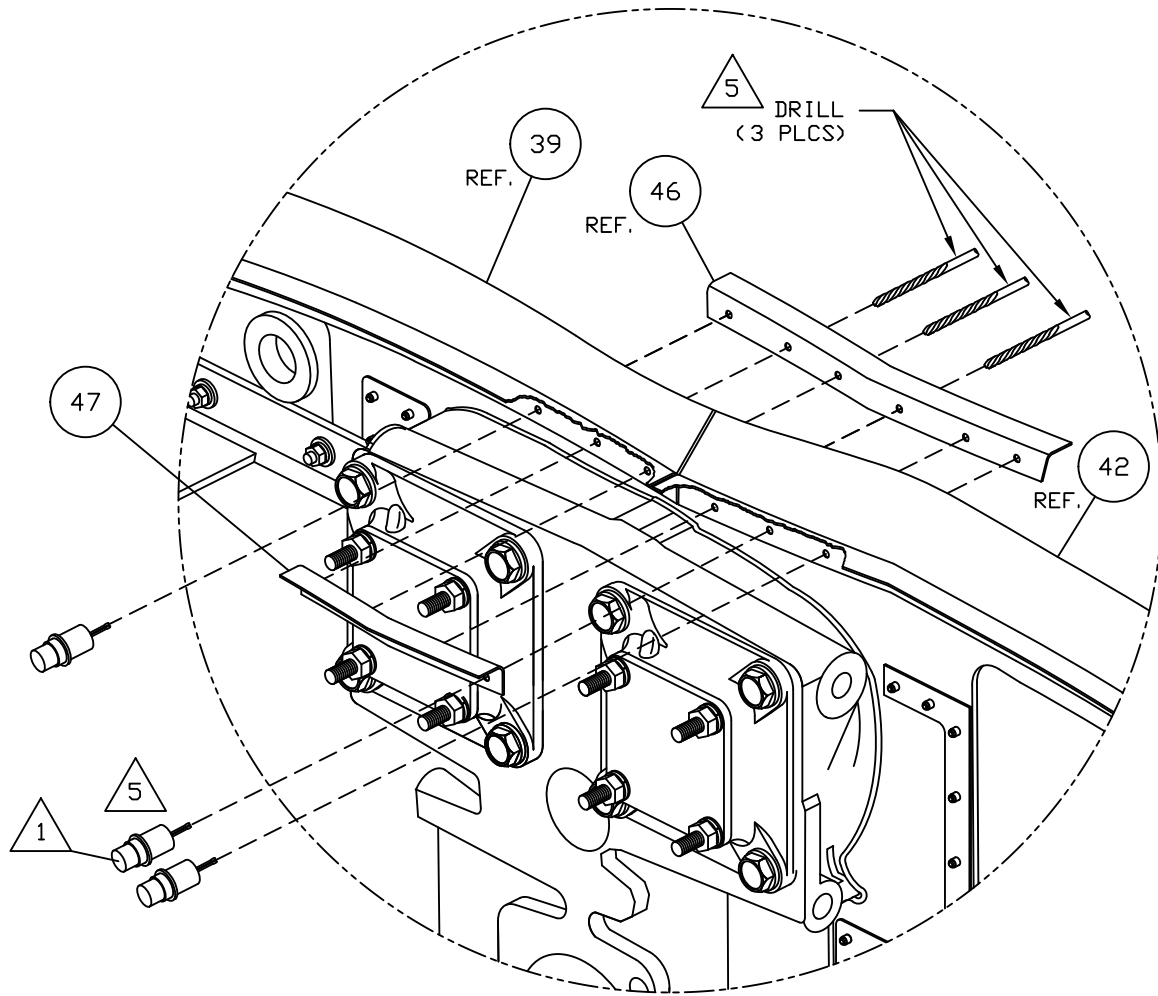
NEXT ASSY:
DRAWN BY: K. R. S.
ENGINEER: D. BRAUN
CHECKED BY: D. B.

INSTALLATION CENTER BRACKET REAR

TOLERANCES
.X_.10 .XXX_.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

D' SHANNON PRODUCTS, LTD

DWG. No. DSP-IM95-1-21	REVISION B
SCALE: NONE	DATE 04/24/09 SH 2 OF 6



DETAIL "A"

COMES FROM SHEET 1 OF 6

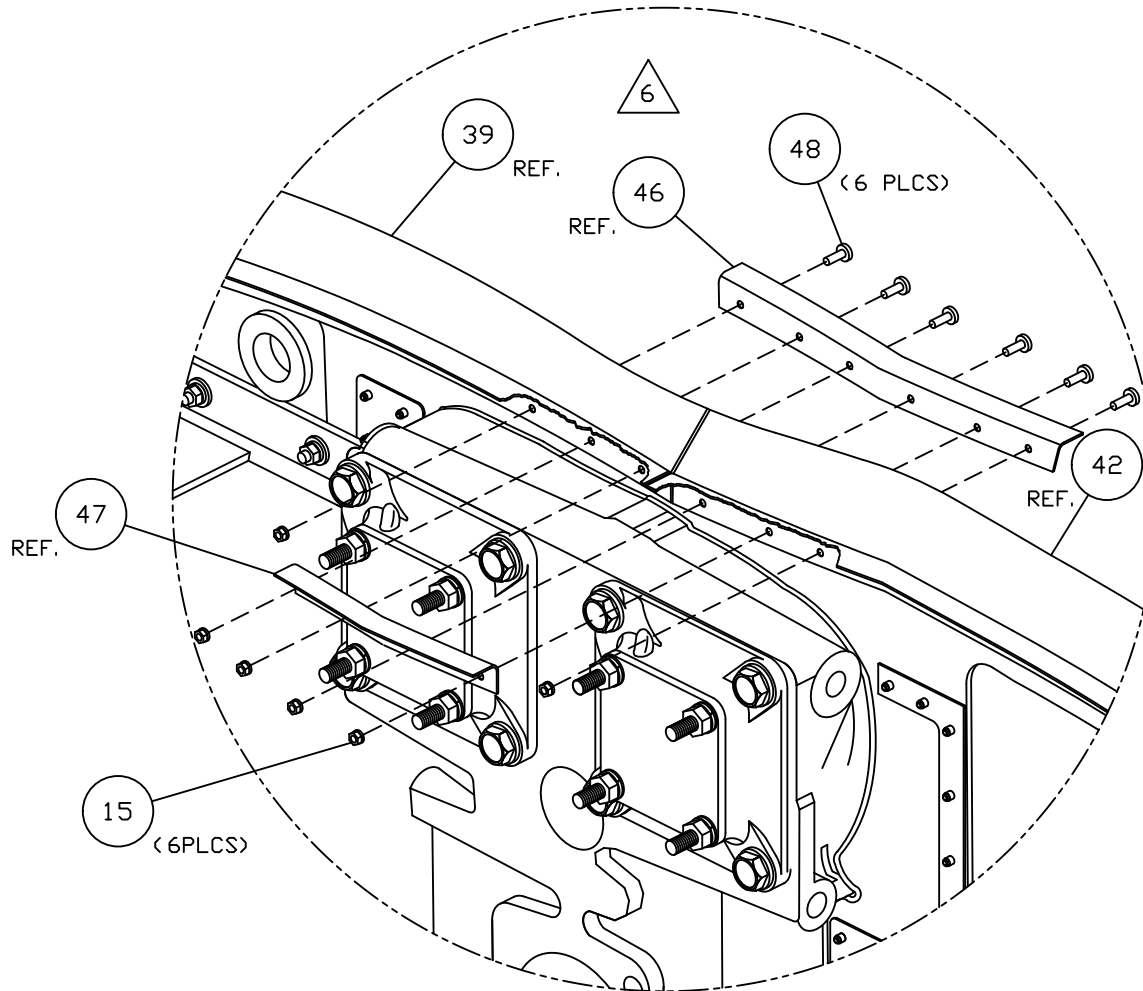
STEP 3

△ 5 CLECD ITEM ④7 IN PLACE AND DRILL THROUGH FROM THE OPPOSITE SIDE IN THREE PLACES USING A NO. 29 DRILL BIT TO PIERCE THROUGH ITEM ④7.

△ 1 CLECD

NOTES:

NEXT ASSY: DRAWN BY: K. R. S. ENGINEER: D. BRAUN CHECKED BY: D. B.		INSTALLATION CENTER BRACKET REAR
TOLERANCES .X_.10 .XXX_.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED		D' SHANNON PRODUCTS, LTD
DWG. No. DSP-IM95-1-21	REVISION	B
SCALE: NONE	DATE 04/24/09	SH 3 OF 6



DETAIL "A"

COMES FROM SHEET 1 OF 6

STEP 4



REMOVE CLECS AND COMPLETE INSTALLATION OF ITEMS (46) AND (47) IN ITEMS (39) AND (42) USING ITEM (48) AND TIGHTEN WITH ITEM (15) AS SHOWN.

NOTES:

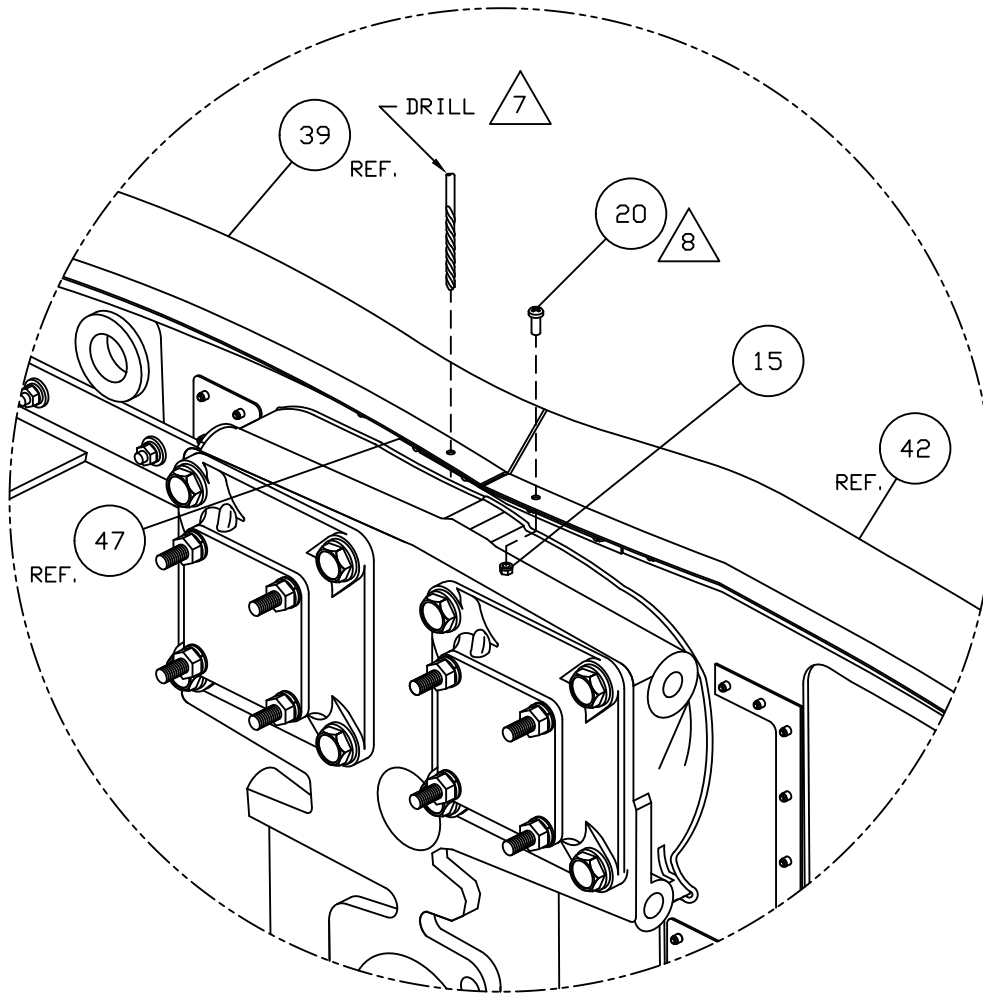
NEXT ASSY:
DRAWN BY: K. R. S.
ENGINEER: D. BRAUN
CHECKED BY: D. B.

INSTALLATION CENTER BRACKET REAR

TOLERANCES
.X_.10 .XXX_.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

D' SHANNON PRODUCTS, LTD

DWG. No. DSP-IM95-1-21	REVISION B
SCALE: NONE	DATE 04/24/09 SH 4 OF 6



DETAIL "A"

COMES FROM SHEET 1 OF 6

STEP 4



RUN ITEM ⑳ THROUGH ITEMS ④② AND ④⑦ . TIGHTEN WITH ITEM ⑮ .



TO PIERCE, GO THROUGH ONE HOLE FROM ITEM ③⑨ TO ITEM ④⑦ USING A NO. 29 DRILL BIT.

NOTES:

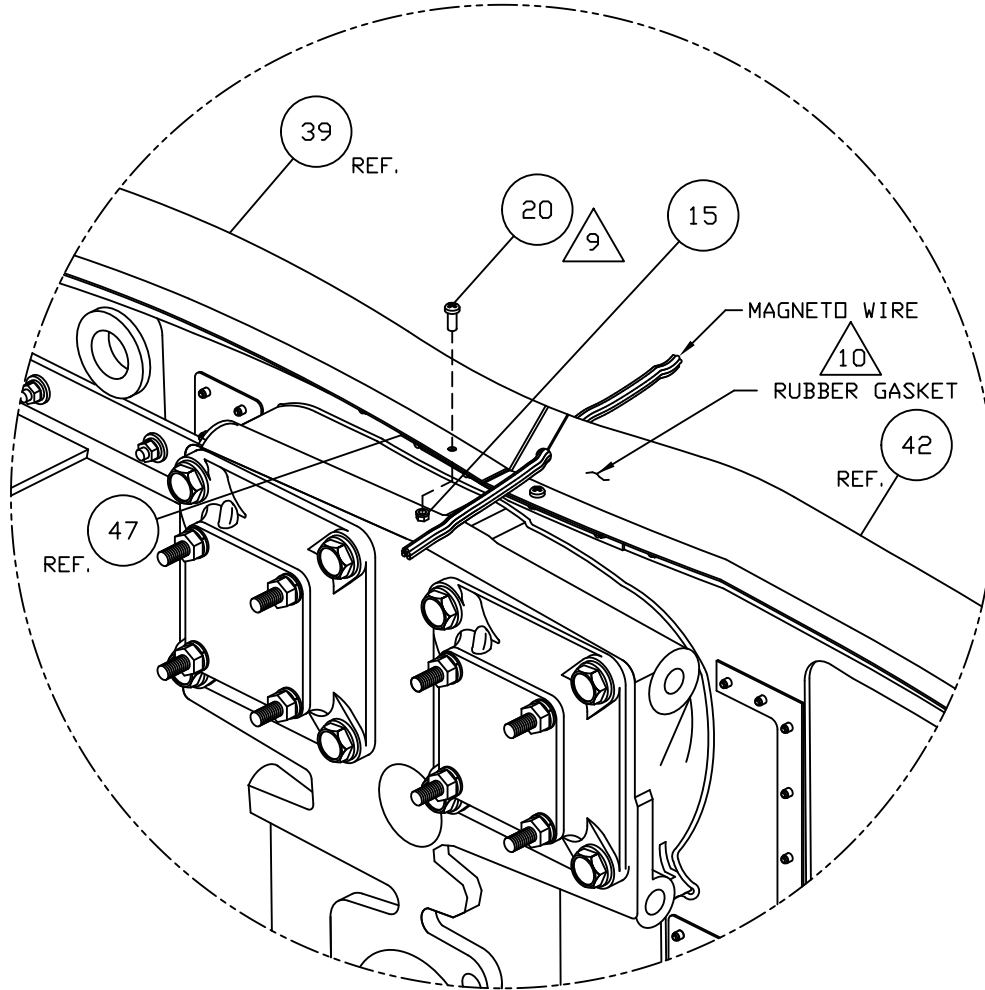
NEXT ASSY:
DRAWN BY: K. R. S.
ENGINEER: D. BRAUN
CHECKED BY: D. B.

INSTALLATION CENTER BRACKET REAR

TOLERANCES
.X_.10 .XXX_.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

D' SHANNON PRODUCTS, LTD

DWG. No. DSP-IM95-1-21	REVISION B
SCALE: NONE	DATE 04/24/09 SH 5 OF 6



DETAIL "A"

COMES FROM SHEET 1 OF 6

STEP 6

△ 10 MAKE A SMALL HOLE APPROXIMATELY 1/4" AS SHOWN ON DRAWING TO ALLOW THE MAGNETO WIRES TO BE PASSED THROUGH THE BAFFLE SEAL.

△ 9 RUN ITEM ②0 THROUGH ITEMS ③9 AND ④7. TIGHTEN WITH ITEM ①5.

NOTES:

NEXT ASSY:
DRAWN BY: K. R. S.
ENGINEER: D. BRAUN
CHECKED BY: D. B.

INSTALLATION CENTER BRACKET REAR

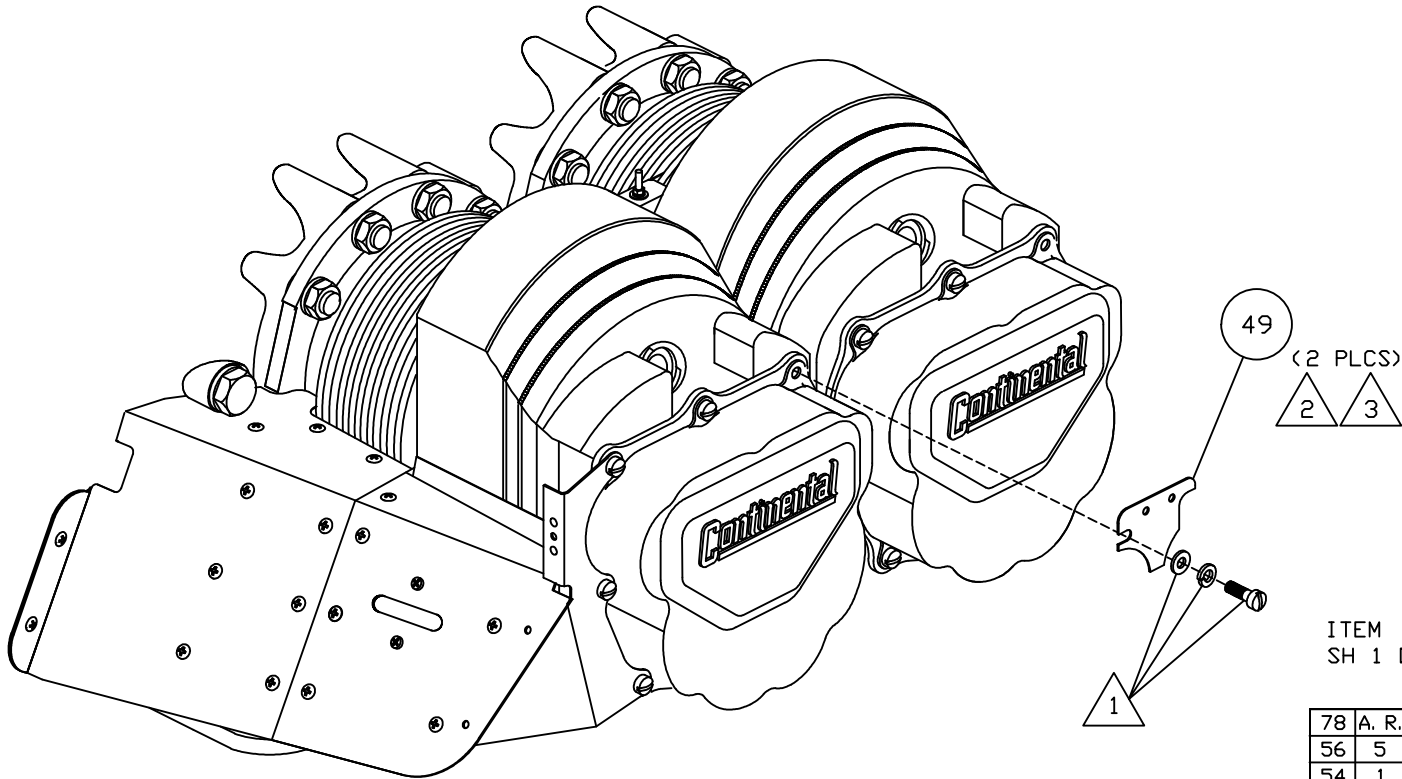
TOLERANCES
X__10 .XXX__01
.XX_03 .XXXX_001
ANGLES ±5%
UNLESS STATED

D' SHANNON PRODUCTS, LTD

DWG. No. DSP-IM95-1-21 REVISION B
SCALE: NONE DATE 04/24/09 SH 6 OF 6




REVISION RECORD

LTR.	CHANGES	BY	DATE
NC	RELEASED	K. S.	04/24/09
A	MOVE NOTES. REMOVE SH 7.	D. B.	08/30/10
B	VIEWS FOR ALT BOX AND REAR BAFFLE REVISED	D. B.	05/15/13
C	REMOVE WASHERS AND NUTS	W. E.	7/2/15



ITEM (42) REFERENCED ON DWG. DSP-IM95-1-20, SH 1 OF 4.

TYP. INSTALLATION

-  USE ITEM (85) 244045-1 AS OPTION FOR ITEM (49) .
-  REMOVE MAGNETO WIRE SUPPORTS FROM THE CYLINDERS AND INSTALL ITEM (49) USING ORIGINAL ROCKER COVER HARDWARE. TORQUE PER CONTINENTAL MANUAL TORQUE SPECIFICATIONS.
-  ORIGINAL HARDWARE.

NOTES:

78	A. R.	G.E.SILICONE II	SILICONE SEALANT
56	5	AN931-4-7	ELASTIC GROMMET
54	1	244098Z	BAFFLE SIDE RIGHT CANTED ASSY
53	1	244097Z	BAFFLE SIDE LEFT CANTED ASSY
52	1	244050Z	BRACKET BAFFLE SIDE
51	1	244048Z	BRACKET BAFFLE SIDE
50	2	244047Z	BRACKET BAFFLE SIDE
49	4	244045Z	BRACKET BAFFLE SIDE
20	27	MS35206-227	PAN HEAD MACHINE SCREW
15	1	MS21042-06	REDUCED DIMENSION LOCKNUT
14	1	AN960C6	FLAT WASHER
ITEM	QTY	PART No.	DESCRIPTION

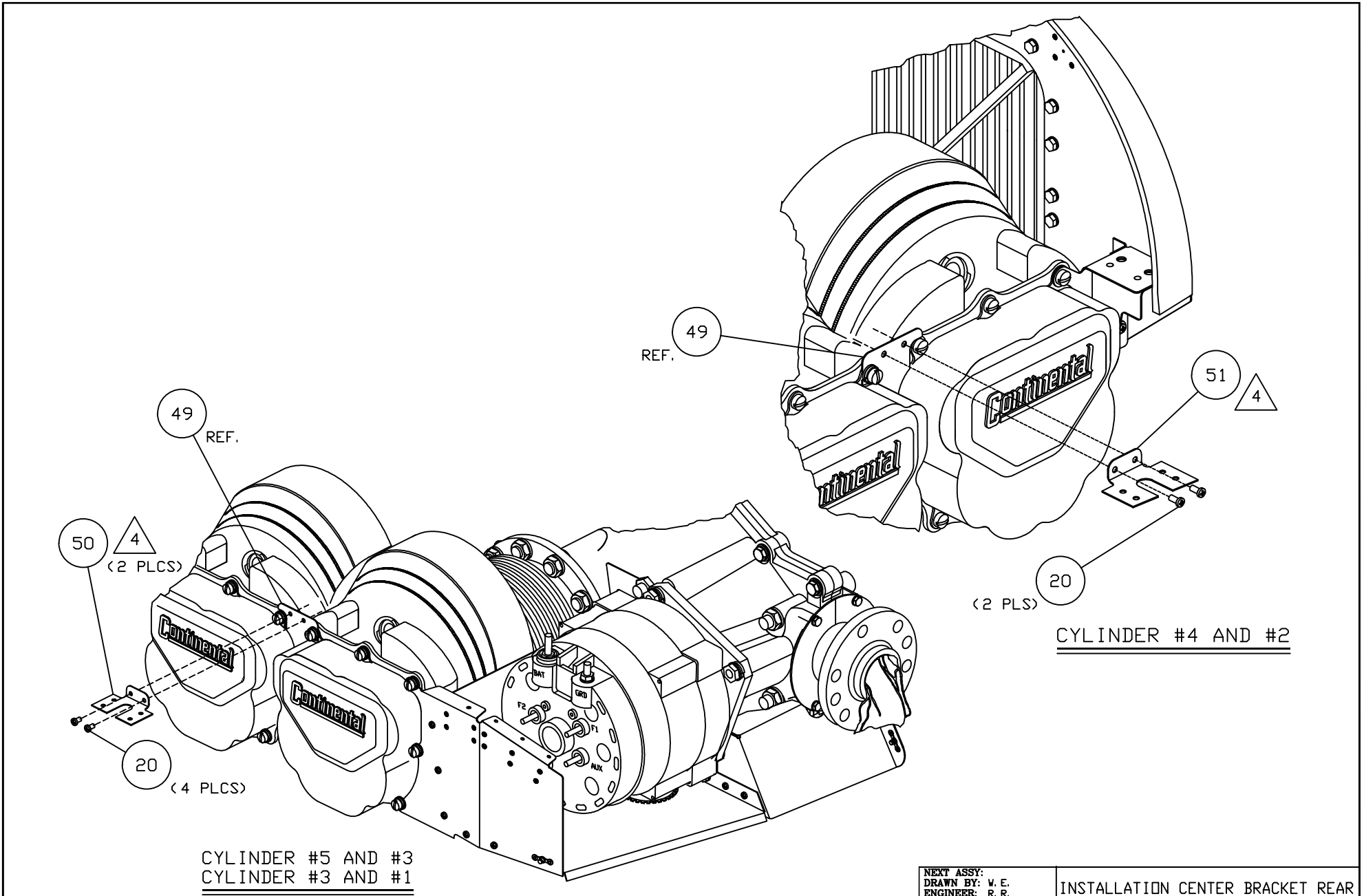
NEXT ASSY:
 DRAWN BY: W. E.
 ENGINEER: R. R.
 CHECKED BY: L. L.

INSTALLATION CENTER BRACKET REAR

TOLERANCES
 .X_.10 .XXX_.01
 .XX_.03 .XXXX_.001
 ANGLES ±5%
 UNLESS STATED

D' SHANNON PRODUCTS, LTD

DWG. No. DSP-IM95-1-23 REVISION C
 SCALE: NONE DATE 7/2/15 SH 1 OF 6

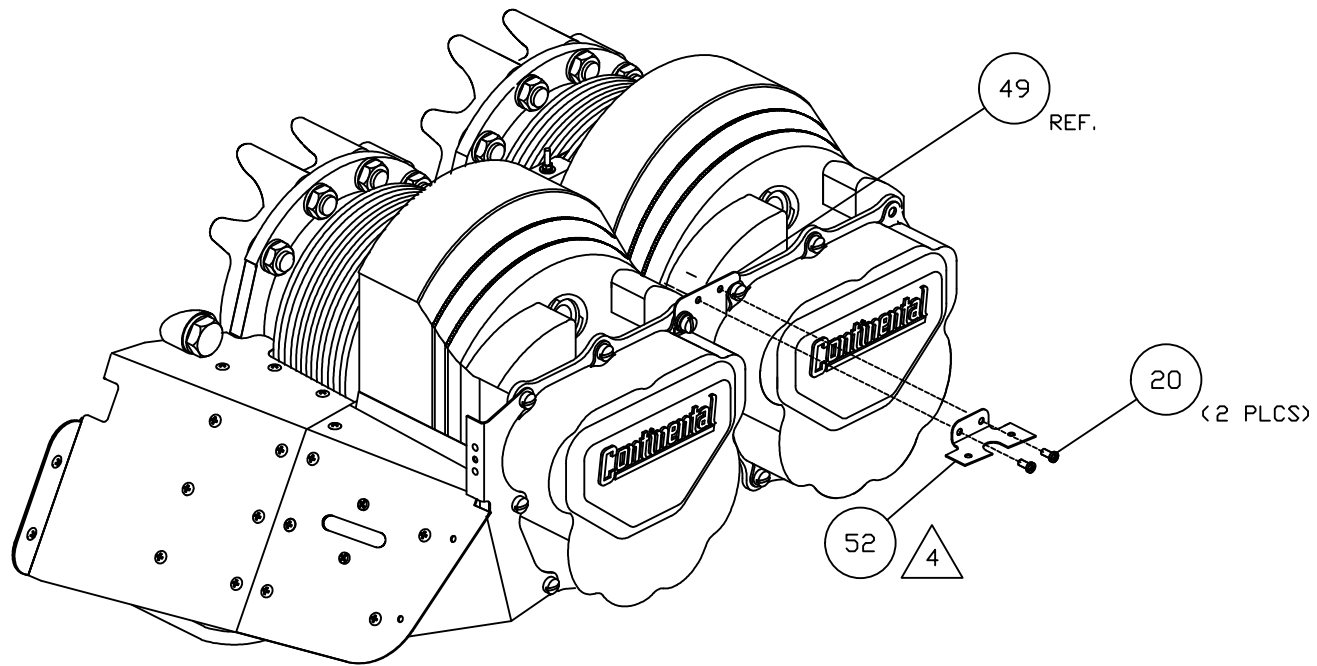


CYLINDER #5 AND #3
CYLINDER #3 AND #1

CYLINDER #4 AND #2

NOTES: 4 INSTALL ITEMS 50 , 51 AND 52 USING ITEM 20 AS SHOWN ON SHEET 2 OF 6 AND 3 OF 6.

NEXT ASSY:		INSTALLATION CENTER BRACKET REAR
DRAWN BY: W. E.		
ENGINEER: R. R.		
CHECKED BY: L. L.		D' SHANNON PRODUCTS, LTD
TOLERANCES		
X__10 .XXX__01		
.XX__03 .XXXX__001		
ANGLES ±5%		
UNLESS STATED		DWG. No. DSP-IM95-1-23
		REVISION C
		SCALE: NONE
		DATE 7/2/15
		SH 2 OF 6



CYLINDER #6 AND #4

NEXT ASSY:
 DRAWN BY: W. E.
 ENGINEER: R. R.
 CHECKED BY: L. L.

INSTALLATION CENTER BRACKET REAR

TOLERANCES
 X__10 .XXX__01
 .XX__03 .XXXX__001
 ANGLES ±5%
 UNLESS STATED

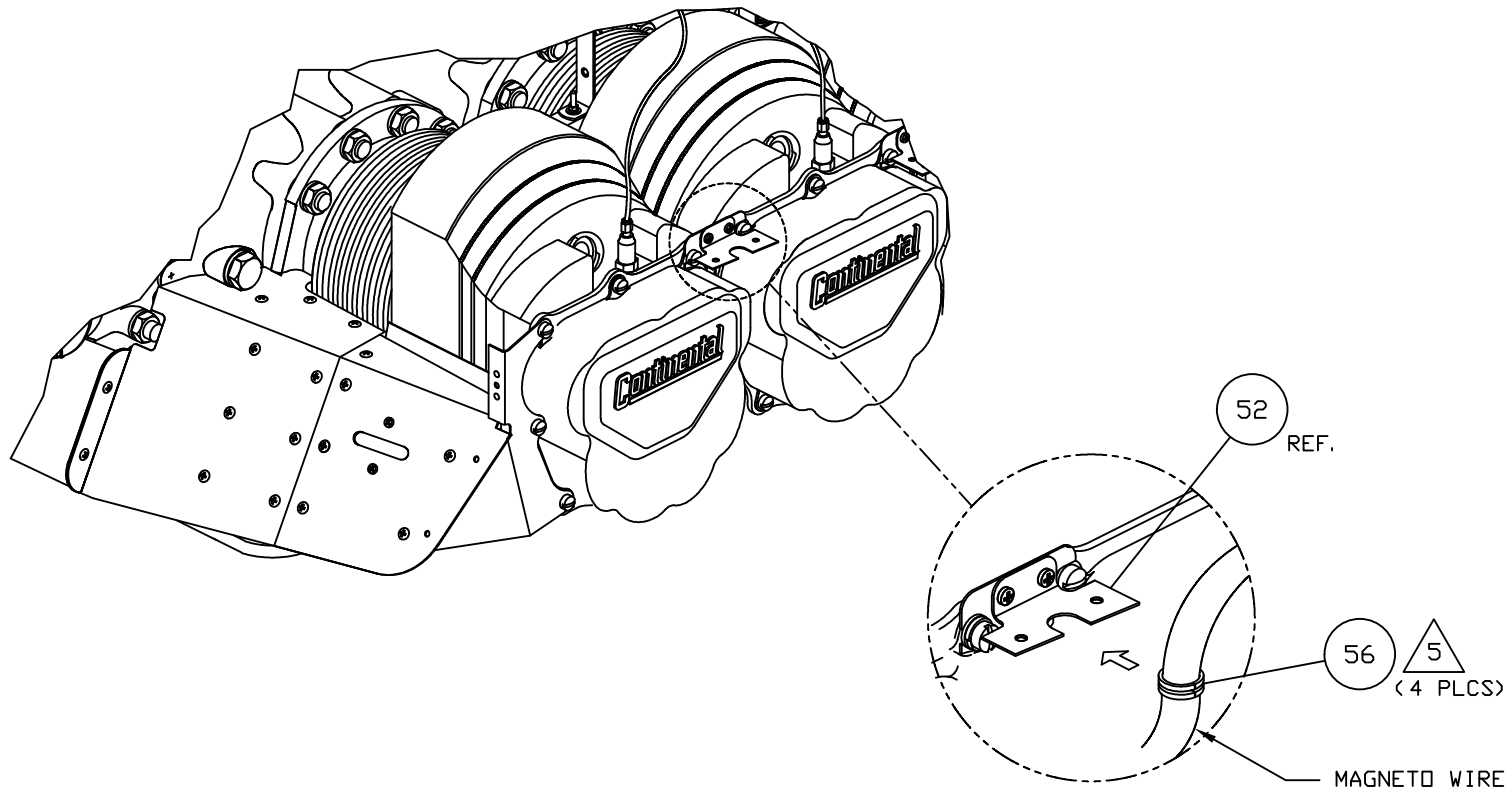
D' SHANNON PRODUCTS, LTD

DWG. No. DSP-IM95-1-23	REVISION C
SCALE: NONE	DATE 7/2/15 SH 3 OF 6



INSTALL ITEMS (50), (51) AND (52) USING ITEM (20) AS SHOWN ON SHEET 2 OF 6 AND 3 OF 6.

NOTES:



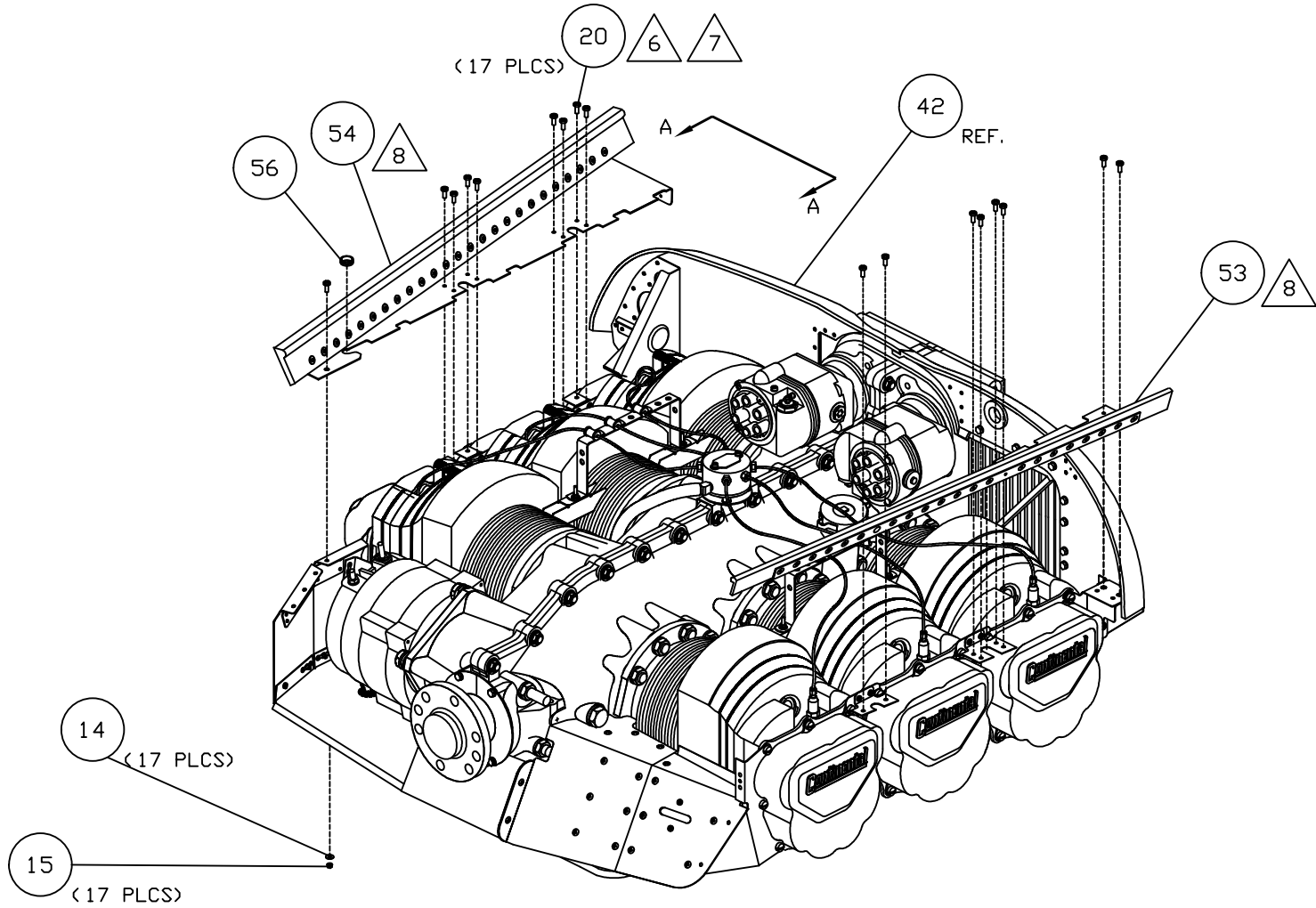
TYP. MAGNETO WIRE
INSTALLATION

5

NEW AN931-4-7 ELASTIC GROMMETS, ITEM 56, MUST BE INSTALLED ON THE MAGNETO WIRE SLOTS FOUND IN THE SUPPORT BRACKETS.

NOTES:

NEXT ASSY:		INSTALLATION CENTER BRACKET REAR	
DRAWN BY: W. E.			
ENGINEER: R. R.			
CHECKED BY: L. L.			
TOLERANCES		D' SHANNON PRODUCTS, LTD	
X...10 .XXX...01		DWG. No. DSP-IM95-1-23	
XX...03 .XXXX...001		REVISION C	
ANGLES ±5%		SCALE: NONE	
UNLESS STATED		DATE 7/2/15	
		SH 4 OF 6	



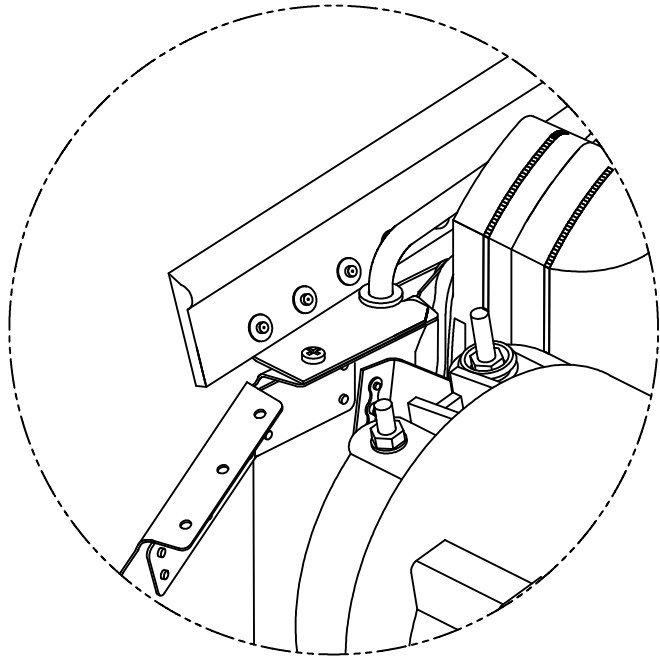
8 ALL REMAINING GAPS AND OPENINGS SHOULD BE SEALED WITH CLEAR G.E. SILICONE II ITEM 78 (-65°F TO +400°F) OR EQUIVALENT.

7 VERY IMPORTANT: TIGHTEN SNUGLY AND BACK-OFF 1/4 TURN TO ALLOW FOR EXPANSION.

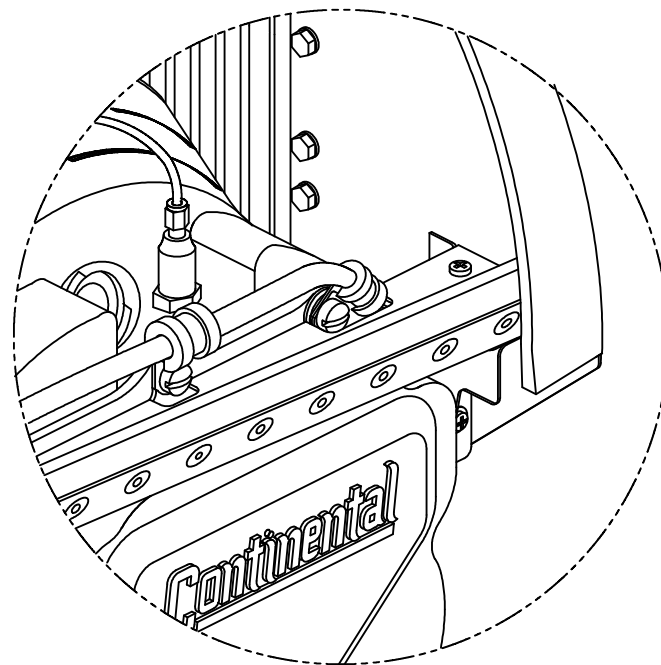
6 AS NOTED, THE LEFT-HAND IS ITEM 53, RIGHT HAND IS ITEM 54. ATTACH SIDE BAFFLE ASSEMBLY TO SUPPORT BRACKETS USING ITEM 20 SCREWS, THROUGH ITEMS 14 AND 15. SECURE FORWARD END OF ITEM 54 USING ITEM 20 SCREWS THROUGH ITEMS 14 AND 15

NOTES:

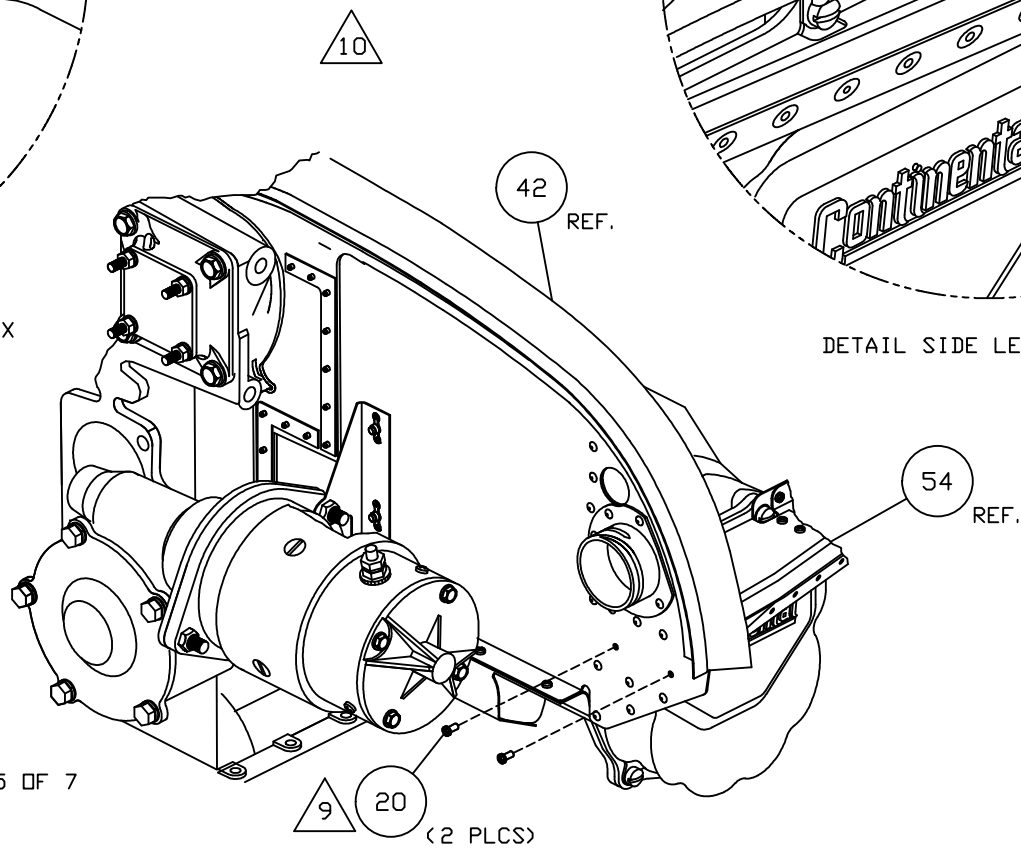
NEXT ASSY: DRAWN BY: W. E. ENGINEER: R. R. CHECKED BY: L. L.	INSTALLATION CENTER BRACKET REAR
D' SHANNON PRODUCTS, LTD	
TOLERANCES X__10 .XXX__01 .XX_03 .XXXX_001 ANGLES ±5% UNLESS STATED	DWG. No. DSP-IM95-1-23 REVISION C SCALE: NONE DATE 7/2/15 SH 5 OF 6



DETAIL SIDE RIGHT-ALTERNATOR BOX



DETAIL SIDE LEFT-OIL COOLER



VIEW A-A
COMES FROM SHEET 5 OF 7

△ 10 USE SHEET 6 OF 6 AS A GUIDE TO THE FINISHED INSTALLATION

△ 9 RUN ITEM ②0 THROUGH ITEMS ④2 AND ⑤4 . TIGHTEN.

NOTES:

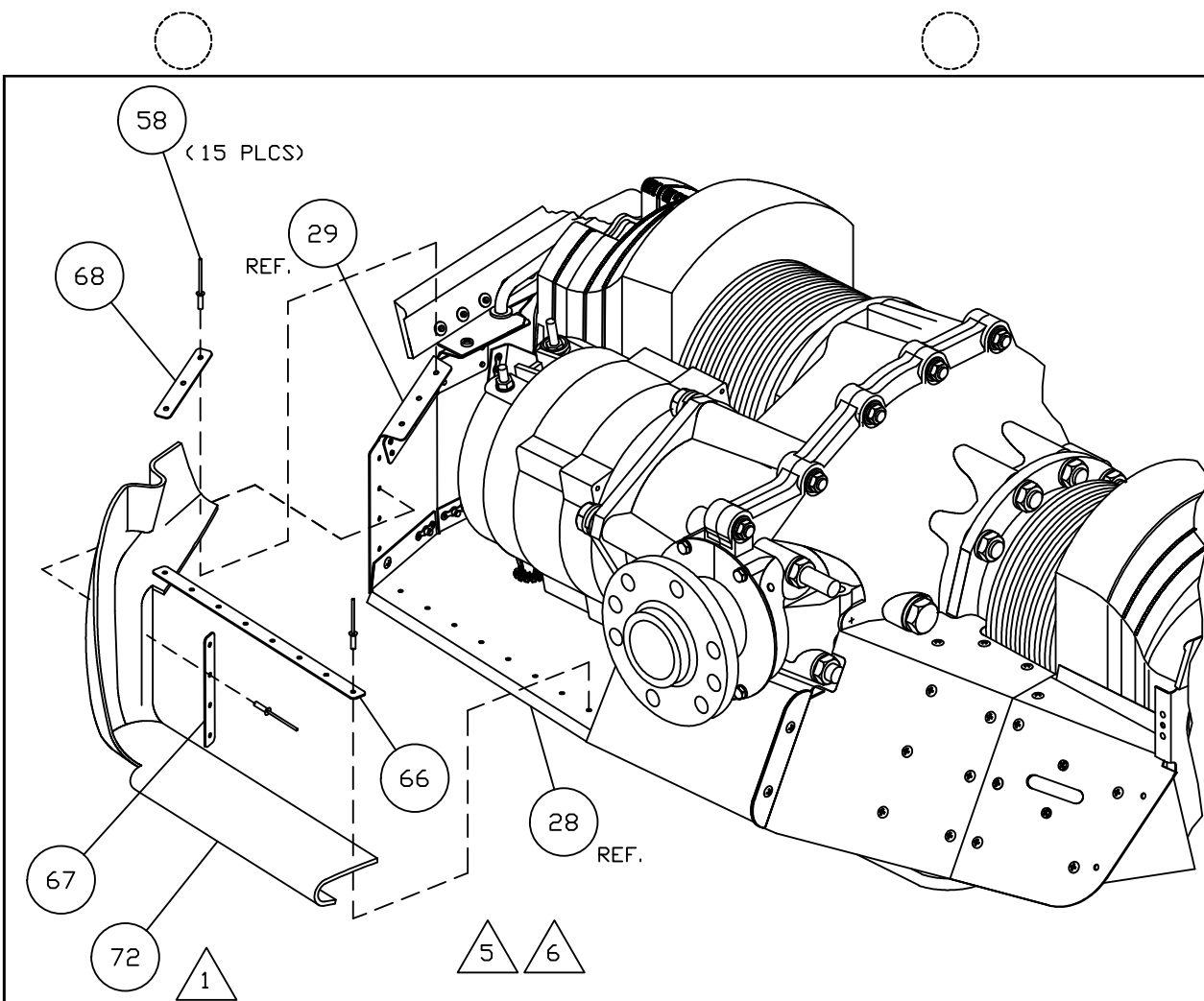
NEXT ASSY:
DRAWN BY: W. E.
ENGINEER: R. R.
CHECKED BY: L. L.

INSTALLATION CENTER BRACKET REAR

TOLERANCES
X .10 .XXX .01
.XX .03 .XXXX .001
ANGLES ±5%
UNLESS STATED

D' SHANNON PRODUCTS, LTD

DWG. No. DSP-IM95-1-23	REVISION C
SCALE: NONE	DATE 7/2/15 SH 6 OF 6



REVISION RECORD			
LTR.	CHANGES	BY	DATE
NC	RELEASED	K. S.	04/24/09
A	MOVE NOTES. REMOVE SH 7.	D. B.	08/30/10
B	LONGER POP RIVETS	D. B.	01/11/11
C	ITEM CONNECTION 58 WAS 59	W. E.	7/2/15
D	CHANGE SCREWS FOR GOV ACCESS	L. L.	10/14/15

ITEMS (28) AND (29) REFERENCED ON DWG. DSP-IM95-1-13, SH 3 AND 7 OF 7.

78	A. R.	G.E. SILICONE II	SILICONE SEALANT
72	1	244118G	GASKET ALTERNATOR CANTED
71	1	244113G	GASKET FRONT CANTED
70	1	244112G	GASKET FRONT CANTED
69	1	244103G	GASKET NOSE CANTED
68	1	244119B	RETAINER STRIP
67	1	244119A	RETAINER STRIP
66	1	244118A	RETAINER STRIP
65	1	244116A	RETAINER STRIP
63	1	244113B	RETAINER STRIP
62	1	244113A	RETAINER STRIP
61	1	244112A	RETAINER STRIP
60	1	244103A	RETAINER STRIP
58	30	AD46H	POP RIVET
55	3	MS35206-331	PAN HEAD SCREW
ITEM	QTY	PART No.	DESCRIPTION

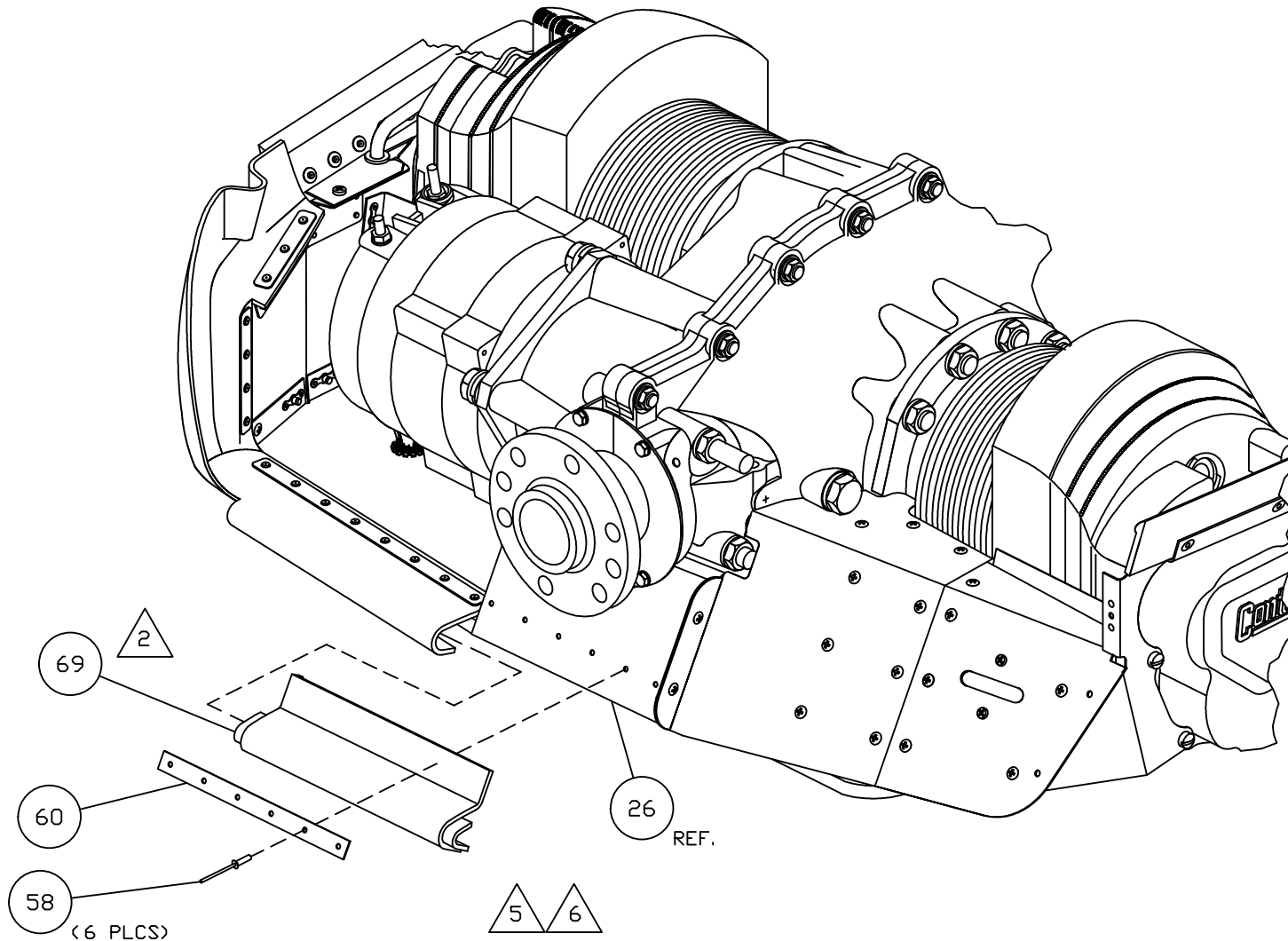
NEXT ASSY:		INSTALLATION GASKET FRONT	
DRAWN BY: W. E.		D' SHANNON PRODUCTS, LTD	
ENGINEER: R. R.			
CHECKED BY: L. L.			
TOLERANCES		DWG. No. DSP-IM95-1-24 REVISION D	
X...10 .XXX...01		SCALE: NONE DATE 10/14/15 SH 1 OF 4	
XX...03 .XXXX...001			
ANGLES ±5%			
UNLESS STATED			

6 SEAL ALL CLEARANCE/GAPS USING ITEM (78) G.E. SILICONE II SEALANT.

5 TO INSTALL GASKET, PLACE AS SHOWN IN THE DRAWING, ALIGNED TO THE NOSE CONTOUR. PLACE THE RETAINER AND USING THE PILOT HOLES IN THE RETAINER AS A GUIDE, DRILL THROUGH THE GASKET AND BAFFLE(S). FIRST DRILL THE HOLES AT THE ENDS OF THE RETAINER WITH A NO. 30 DRILL BIT AND PLACE CLECDOS IN THE END HOLES. DRILL THE REST OF THE HOLES IN THE RETAINER, REMOVE THE CLECDOS AND THEN RIVET.

1 INSTALL ITEM (72) AS SHOWN, USING ITEMS (66), (67), (68) AND (58).

NOTES:



△ 6 SEAL ALL CLEARANCE/GAPS USING ITEM ⑦⑧ G.E. SILICONE II SEALANT.

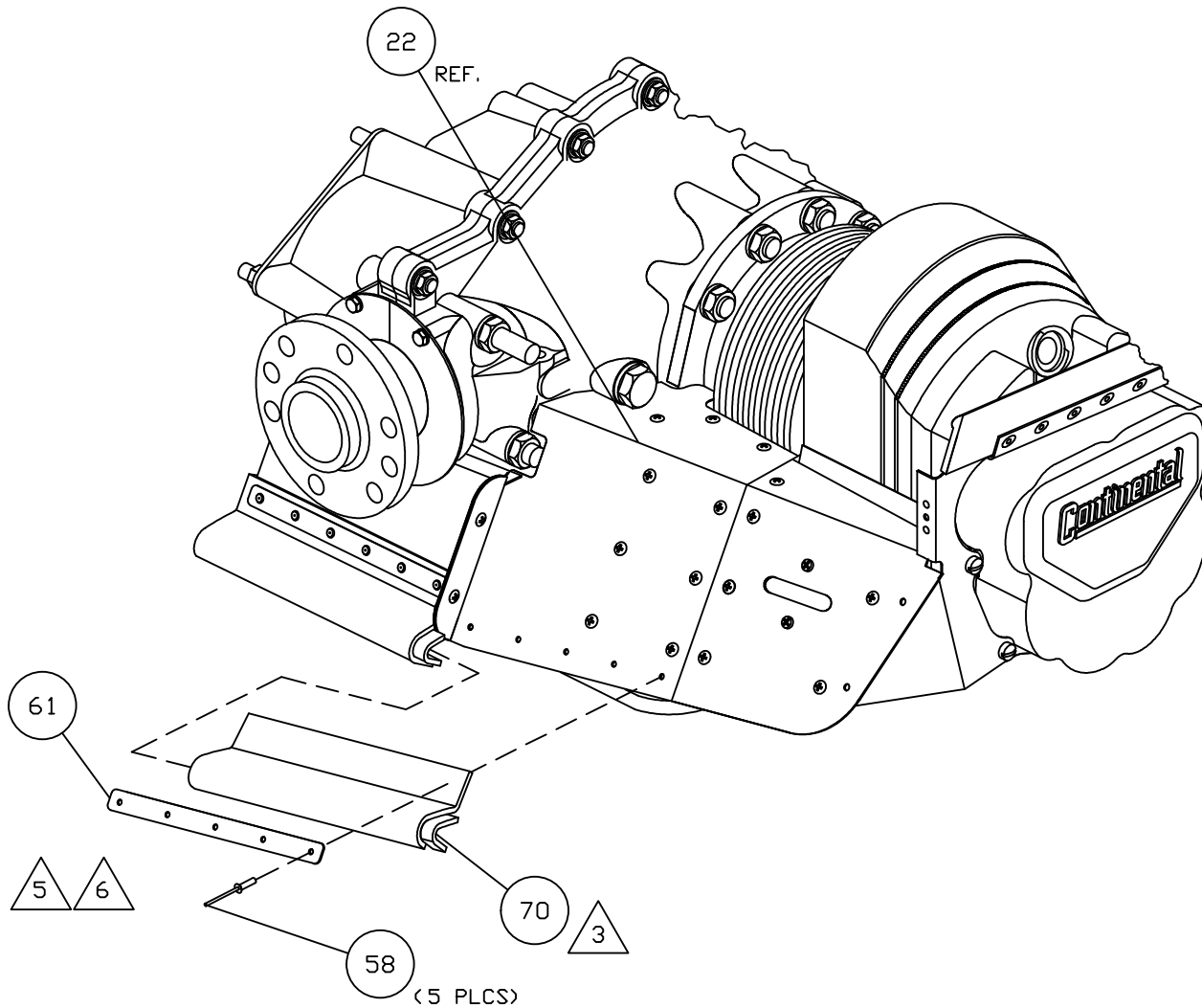
△ 5 TO INSTALL GASKET, PLACE AS SHOWN IN THE DRAWING, ALIGNED TO THE NOSE CONTOUR. PLACE THE RETAINER AND USING THE PILOT HOLES IN THE RETAINER AS A GUIDE, DRILL THROUGH THE GASKET AND BAFFLE(S). FIRST DRILL THE HOLES AT THE ENDS OF THE RETAINER WITH A NO. 30 DRILL BIT AND PLACE CLECDOS IN THE END HOLES. DRILL THE REST OF THE HOLES IN THE RETAINER, REMOVE THE CLECDOS AND THEN RIVET.

△ 2 INSTALL ITEM ⑥⑨ AS SHOWN, USING ITEMS ⑥⑩ AND ⑥⑧.

NOTES:

ITEM ②⑥ REFERENCED ON DWG. DSP-IM95-1-12, SH 1 OF 1.

NEXT ASSY: DRAWN BY: W. E. ENGINEER: R. R. CHECKED BY: L. L.		INSTALLATION GASKET FRONT	
TOLERANCES X__10 .XXX__01 .XX_03 .XXXX_001 ANGLES ±5% UNLESS STATED		D' SHANNON PRODUCTS, LTD	
DWG. No. DSP-IM95-1-24		REVISION	D
SCALE: NONE		DATE 10/14/15	SH 2 OF 4



△ 6 SEAL ALL CLEARANCE/GAPS USING ITEM 78 G.E. SILICONE II SEALANT.

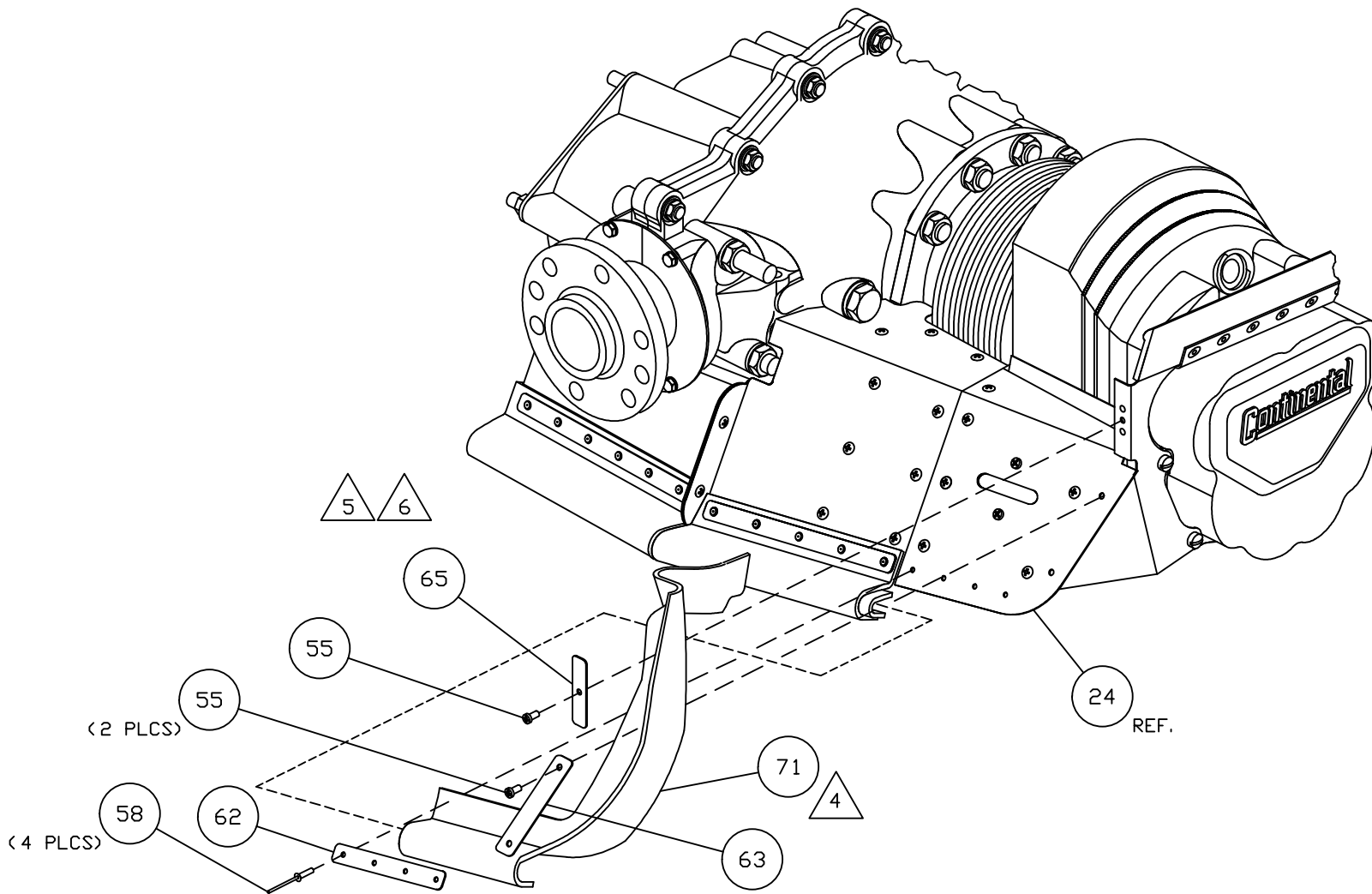
△ 5 TO INSTALL GASKET, PLACE AS SHOWN IN THE DRAWING, ALIGNED TO THE NOSE CONTOUR. PLACE THE RETAINER AND USING THE PILOT HOLES IN THE RETAINER AS A GUIDE, DRILL THROUGH THE GASKET AND BAFFLE(S). FIRST DRILL THE HOLES AT THE ENDS OF THE RETAINER WITH A NO. 30 DRILL BIT AND PLACE CLECODS IN THE END HOLES. DRILL THE REST OF THE HOLES IN THE RETAINER, REMOVE THE CLECODS AND THEN RIVET.

△ 3 INSTALL ITEM 70 AS SHOWN, USING ITEMS 61 AND 58.

NOTES:

ITEMS 22 AND 24 ARE REFERENCED ON DWG. DSP-IM95-1-11, SH 2 AND 4 OF 4.

NEXT ASSY: DRAWN BY: W. E. ENGINEER: R. R. CHECKED BY: L. L.	INSTALLATION GASKET FRONT
TOLERANCES X__10 .XXX__01 .XX_03 .XXXX_001 ANGLES ±5% UNLESS STATED	D' SHANNON PRODUCTS, LTD DWG. No. DSP-IM95-1-24 REVISION D SCALE: NONE DATE 10/14/15 SH 3 OF 4



△ 6 SEAL ALL CLEARANCE/GAPS USING ITEM (78) G.E. SILICONE II SEALANT.

△ 5 TO INSTALL GASKET, PLACE AS SHOWN IN THE DRAWING, ALIGNED TO THE NOSE CONTOUR. PLACE THE RETAINER AND USING THE PILOT HOLES IN THE RETAINER AS A GUIDE, DRILL THROUGH THE GASKET AND BAFFLE(S). FIRST DRILL THE HOLES AT THE ENDS OF THE RETAINER WITH A NO. 30 DRILL BIT AND PLACE CLECO'S IN THE END HOLES. DRILL THE REST OF THE HOLES IN THE RETAINER, REMOVE THE CLECO'S AND THEN RIVET.

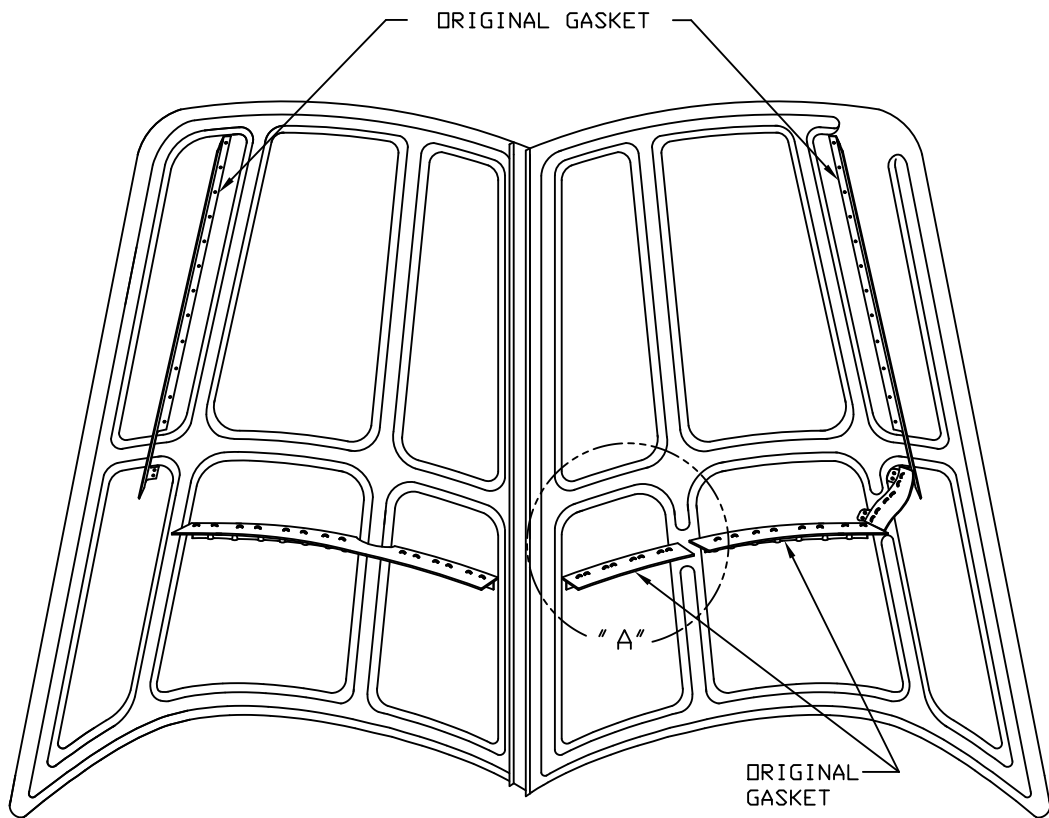
△ 4 INSTALL ITEM (71) AS SHOWN, USING ITEMS (62), (63), (65), (58) AND (55).

NOTES:

ITEMS (22) AND (24) ARE REFERENCED ON DWG. DSP-IM95-1-11, SH 2 AND 4 OF 4.

NEXT ASSY: DRAWN BY: W. E. ENGINEER: R. R. CHECKED BY: L. L.	INSTALLATION GASKET FRONT
TOLERANCES X__10 .XXX__01 .XX__03 .XXXX__001 ANGLES ±5% UNLESS STATED	D' SHANNON PRODUCTS, LTD DWG. No. DSP-IM95-1-24 REVISION D SCALE: NONE DATE 10/14/15 SH 4 OF 4

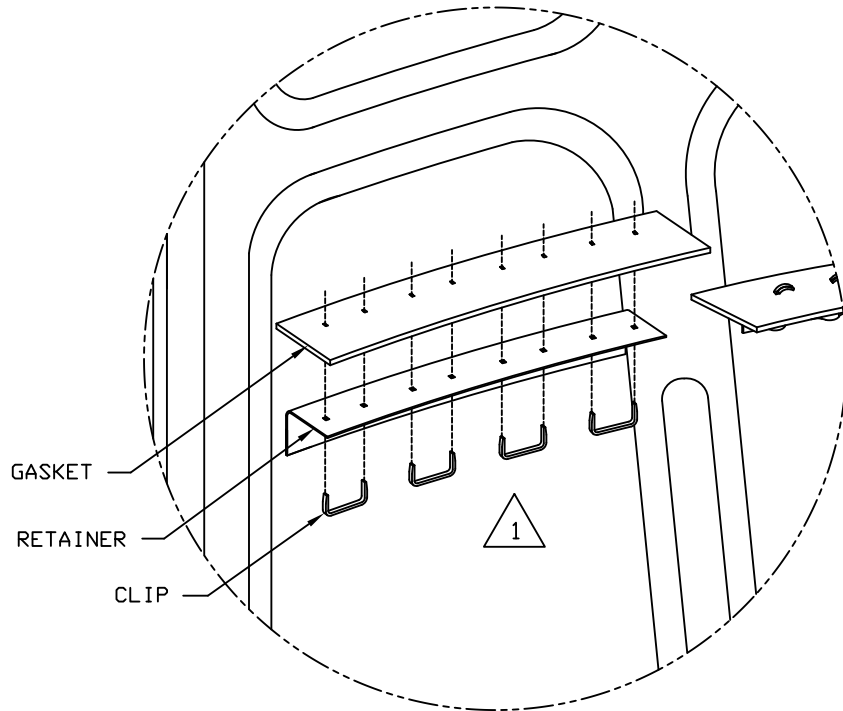
REVISION RECORD			
LTR.	CHANGES	BY	DATE
NC	RELEASED	K. S.	04/24/09
A	CHANGED DRAWING TITLE	D. B.	12/02/09
B	MOVED NOTES. REMOVED SH 3	D. B.	08/31/10



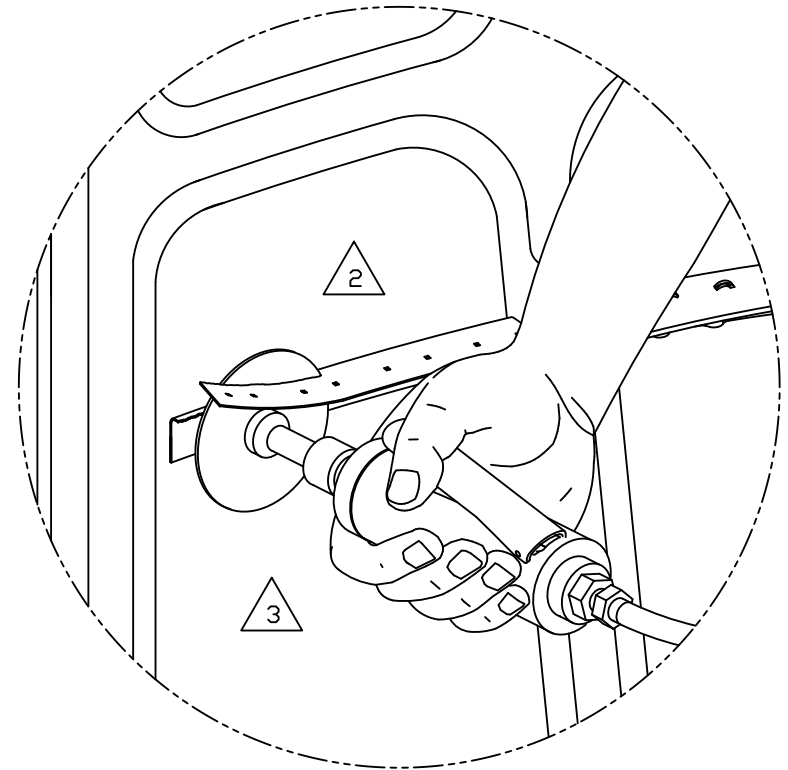
SEE DETAIL "A"
ON SHEET 2 OF 2

NOTES:

NEXT ASSY: DRAWN BY: K. R. S. ENGINEER: D. BRAUN CHECKED BY: D. B.		REMOVAL OF THE ORIGINAL COWLING GASKETS	
TOLERANCES .X_.10 .XXX_.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED		<i>D' SHANNON PRODUCTS, LTD</i>	
		DWG. No. DSP-IM95-1-24A	REVISION B
		SCALE: NONE	DATE 04/24/09 SH 1 OF 2



DETAIL "A" STEP 1
COMES FROM SHEET 1 OF 3



DETAIL "A" STEP 2
COMES FROM SHEET 1 OF 3

△ 3 REMOVE ALL SHARP EDGES AND BURRS, USING A CUTTING TOOL. SMOOTH ALL EDGES WITH A FILE.

△ 2 CUT OFF THE ORIGINAL GASKET RETAINERS.
NOTE: TAKE CARE NOT TO DAMAGE THE RETAINER SURFACES.

△ 1 REMOVE CLIPS AND GASKET.
NOTE: DO NOT REMOVE THE RIVETS FROM THE RETAINERS.

NOTES:

NEXT ASSY:
DRAWN BY: K. R. S.
ENGINEER: D. BRAUN
CHECKED BY: D. B.

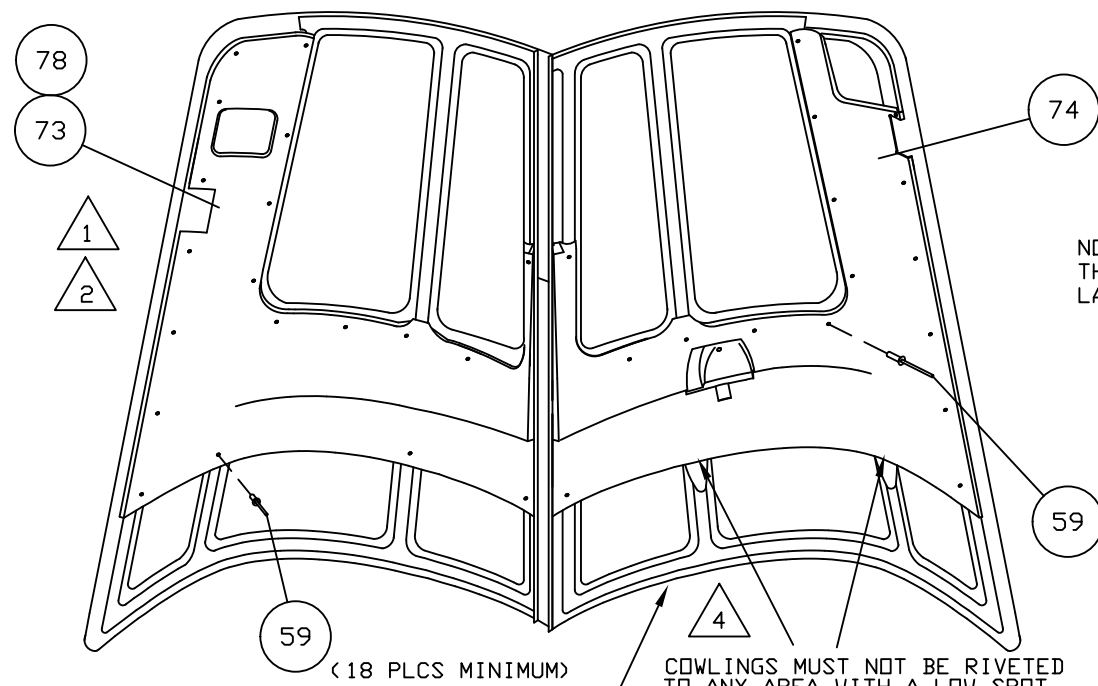
REMOVAL OF THE ORIGINAL
COWLING GASKETS

TOLERANCES
.X__10 .XXX__01
.XX__03 .XXXX__001
ANGLES ±5%
UNLESS STATED

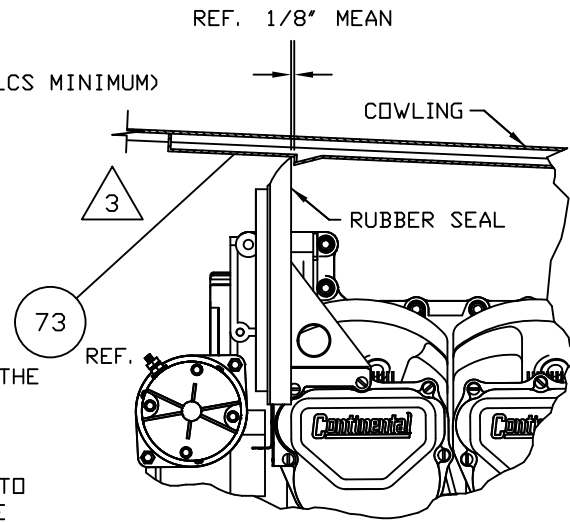
D' SHANNON PRODUCTS, LTD

DWG. No. DSP-IM95-1-24A	REVISION B
SCALE: NONE	DATE 04/24/09 SH 2 OF 2

REVISION RECORD			
LTR.	CHANGES	BY	DATE
NC	RELEASED	K. S.	04/24/09
A	MOVED NOTES, ADD NOTE 5, REMOVE SH 4	D. B.	08/31/10
B	ADDED NOTE 6	W. E.	7/2/15



NOTE: MUST START THE RELIEF CUTS AT THE HINGE SIDE OF THE F. C. I. AS YOU WORK YOUR WAY OUTBOARD THE F. C. I. WILL LAY INTO PLACE



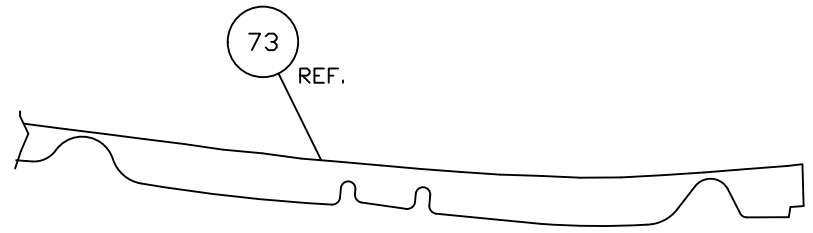
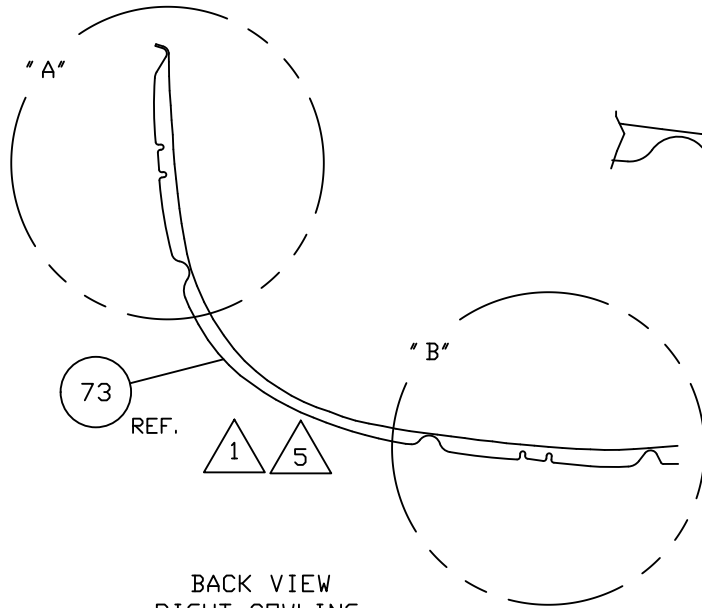
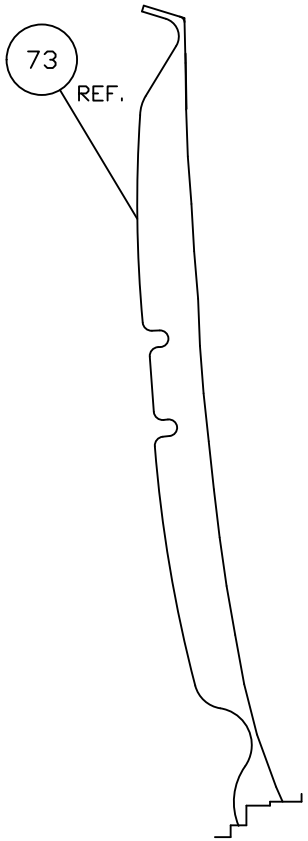
RIGHT SIDE VIEW
ONLY FOR EXPLANATION

- 4 REPEAT BOTH SIDES. APPLY AUTO WAX OR A SILICONE BASED LUBRICANT ON THE SEAL AND THE F.C.I. FACE WHERE THE SEAL MEETS THE F.C.I.
- 3 CLOSE ONE COWL DOOR AT A TIME AND CHECK THE RUBBER SEAL AGAINST THE F.C.I. RAISED FLANGE. MARK ANY PORTION OF THE SEAL THAT HITS THE FORMED LIP WHEN CLOSING. TRIM TO MARKED LINE. REPEAT CLOSING AND TRIM SEAL SO THE EDGE OF THE SEAL LIES AFT OF THE F.C.I. LIP BY APPROXIMATELY 1/8".
- 2 INSTALL THE BEECH COWLING ON THE AIRCRAFT AND TIGHTEN FASTENERS.
- 1 INSTALL THE ENTIRE FIBERGLASS COWLING INSERTS (F.C.I.) ITEMS 73 AND 74. THE COWLING PLATES FIT ALL UNMODIFIED BEECH COWLINGS. IMPORTANT: THE F.C.I. ARE MADE TO FIT INSIDE THE ORIGINAL COWL. THEREFORE THE CONTOUR IS LARGER AT THE INSIDE SKIN OF THE COWL THAN THE EDGES OF THE F.C.I. CENTER THE F.C.I. ON TOP OF THE RIDGES AND RELIEVE WITH A FILE TO LOWER THE F.C.I. TO THE INSIDE SKIN OF THE COWL DOOR. WHEN THE FIT IS SATISFACTORY FASTEN THE OUTER EDGES TO THE ORIGINAL BEECH COWL SUPPORT STRUCTURE WITH RIVETS ITEM 59. APPLY SILICONE SEAL ITEM 78 TO FILL ANY AIR GAPS IN THE MATING EDGES OF THE COWL AND AROUND THE STRINGERS AND THE FIBERGLASS MATING SURFACES.

NOTES:

78	A. R.	G.E. SILICONE II	SILICONE SEALANT
59	36	AD44H	POP RIVET
74	1	242004	BAFFLE COWLING INSIDE LEFT
73	1	242003	BAFFLE COWLING INSIDE RIGHT
ITEM	QTY	PART No.	DESCRIPTION
NEXT ASSY:			INSTL OF BAFFLE COWLING PLATES
DRAWN BY: W. E.			
ENGINEER: R. R.			
CHECKED BY: L. L.			
TOLERANCES			D' SHANNON PRODUCTS, LTD
.X__10 .XXX__01			
.XX__03 .XXXX__001			
ANGLES ±5%			
UNLESS STATED			
DWG. No. DSP-IM95-1-25		REVISION	B
SCALE: NONE		DATE	7/2/15 SH 1 OF 3

NOTE: MUST START THE RELIEF CUTS AT THE HINGE SIDE OF THE F. C. I. AS YOU WORK YOUR WAY OUTBOARD THE F. C. I. WILL LAY INTO PLACE



DETAIL "B"

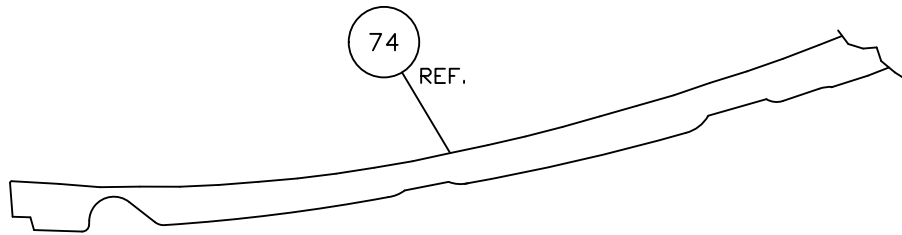
BACK VIEW
RIGHT COWLING

DETAIL "A"

- △ 6 DUE TO MANY DIFFERENT COWL DOOR CONFIGURATIONS THERE IS ONLY ONE F.C.I. FOR THE CANTED INSTALLATION. WITH MINOR NOTCHING AND ADJUSTING THESE WILL FIT IN ALMOST EVERY SITUATION
- △ 5 IF NECESSARY ADJUST GAPS FILED IF ADDITIONAL OR LESS STRUCTURE IS FOUND IN COWLING THAN IS STANDARD.
- △ 1 INSTALL THE ENTIRE FIBERGLASS COWLING INSERTS (F.C.I.) ITEMS 73 AND 74. THE COWLING PLATES FIT ALL UNMODIFIED BEECH COWLINGS. IMPORTANT: THE F.C.I. ARE MADE TO FIT INSIDE THE ORIGINAL COWL. THEREFORE THE CONTOUR IS LARGER AT THE INSIDE SKIN OF THE COWL THAN THE EDGES OF THE F.C.I. CENTER THE F.C.I. ON TOP OF THE RIDGES AND RELIEVE WITH A FILE TO LOWER THE F.C.I. TO THE INSIDE SKIN OF THE COWL DOOR. WHEN THE FIT IS SATISFACTORY FASTEN THE OUTER EDGES TO THE ORIGINAL BEECH COWL SUPPORT STRUCTURE WITH RIVETS ITEM 59. APPLY SILICONE SEAL ITEM 78 TO FILL ANY AIR GAPS IN THE MATING EDGES OF THE COWL AND AROUND THE STRINGERS AND THE FIBERGLASS MATING SURFACES.

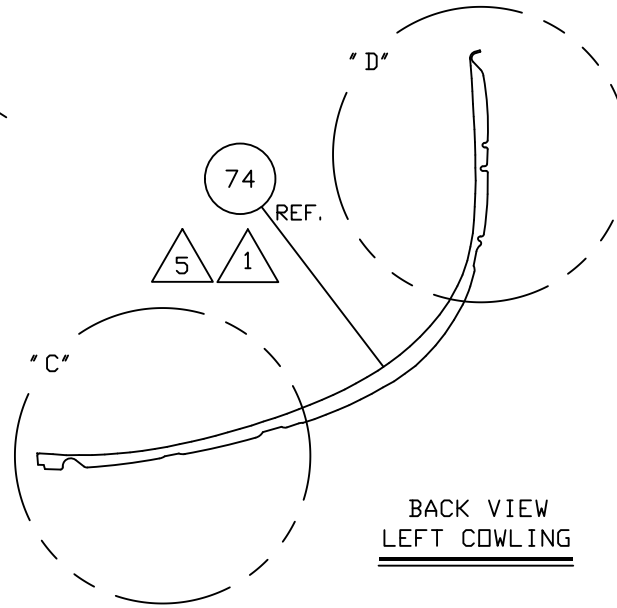
NOTES:

NEXT ASSY: DRAWN BY: W. E. ENGINEER: R. R. CHECKED BY: L. L.	INSTL OF BAFFLE COWLING PLATES
TOLERANCES X__10 .XXX__01 .XX__03 .XXXX__001 ANGLES ±5% UNLESS STATED	D' SHANNON PRODUCTS, LTD DWG. No. DSP-IM95-1-25 REVISION B SCALE: NONE DATE 7/2/15 SH 2 OF 3

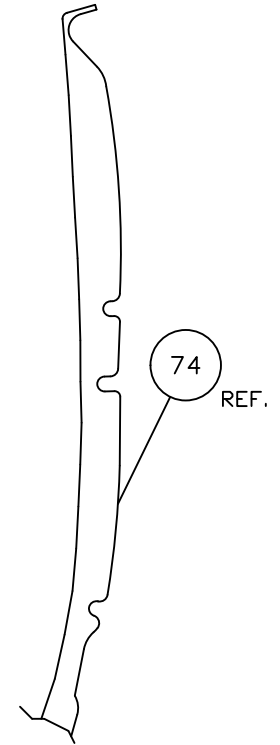


DETAIL "C"

NOTE: MUST START THE RELIEF CUTS AT THE HINGE SIDE OF THE F. C. I. AS YOU WORK YOUR WAY OUTBOARD THE F. C. I. WILL LAY INTO PLACE



BACK VIEW
LEFT COWLING



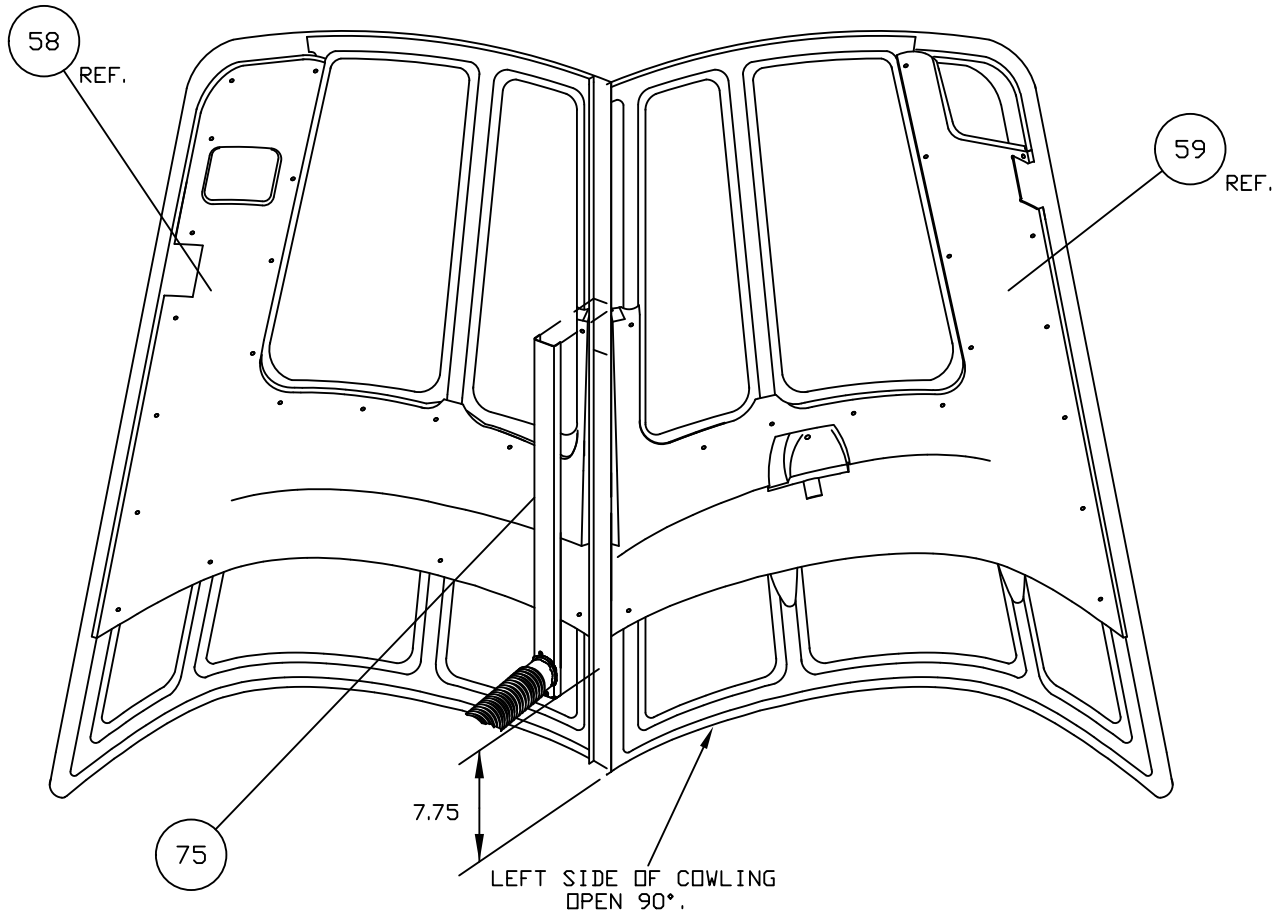
DETAIL "D"

- △ 6 DUE TO MANY DIFFERENT COWL DOOR CONFIGURATIONS THERE IS ONLY ONE F.C.I. FOR THE CANTED INSTALLATION. WITH MINOR NOTCHING AND ADJUSTING THESE WILL FIT IN ALMOST EVERY SITUATION
- △ 5 IF NECESSARY ADJUST GAPS FILED IF ADDITIONAL OR LESS STRUCTURE IS FOUND IN COWLING THAN IS STANDARD.
- △ 1 INSTALL THE ENTIRE FIBERGLASS COWLING INSERTS (F.C.I.) ITEMS 73 AND 74. THE COWLING PLATES FIT ALL UNMODIFIED BEECH COWLINGS. IMPORTANT: THE F.C.I. ARE MADE TO FIT INSIDE THE ORIGINAL COWL. THEREFORE THE CONTOUR IS LARGER AT THE INSIDE SKIN OF THE COWL THAN THE EDGES OF THE F.C.I. CENTER THE F.C.I. ON TOP OF THE RIDGES AND RELIEVE WITH A FILE TO LOWER THE F.C.I. TO THE INSIDE SKIN OF THE COWL DOOR. WHEN THE FIT IS SATISFACTORY FASTEN THE OUTER EDGES TO THE ORIGINAL BEECH COWL SUPPORT STRUCTURE WITH RIVETS ITEM 59. APPLY SILICONE SEAL ITEM 78 TO FILL ANY AIR GAPS IN THE MATING EDGES OF THE COWL AND AROUND THE STRINGERS AND THE FIBERGLASS MATING SURFACES.

NOTES:

NEXT ASSY: DRAWN BY: W. E. ENGINEER: R. R. CHECKED BY: L. L.		INSTL OF BAFFLE COWLING PLATES	
TOLERANCES .X__10 .XXX__01 .XX_03 .XXXX_001 ANGLES ±5% UNLESS STATED		D' SHANNON PRODUCTS, LTD	
DWG. No. DSP-IM95-1-25		REVISION	B
SCALE: NONE		DATE	7/2/15
		SH	3 OF 3

REVISION RECORD			
LTR.	CHANGES	BY	DATE
NC	RELEASED W/NEW DWG. NO.	D. B.	12/02/09



DIMENSION 7.75 AND VIEW ONLY FOR
D'SHANNON PRODUCTS WET VACUUM PUMP
STC'D SYSTEM

SEE SH 2 OF 2 FOR DETAILED COWLING
HOSE HOLDER INSTALLATION.

ITEM (73) IS REFERENCED FROM DSP-IM95-1-25, SHEET 1.
ITEM (74) IS REFERENCED FROM DSP-IM95-1-25, SHEET 1.

ITEM	QTY	PART No.	DESCRIPTION
78	A. R.	G. E. SILICONE II	SILICONE SEALANT
59	6	AD44H	POP RIVET
77	2	AN960C4	FLAT WASHER
75	1	242005	COWLING HOSE HOLDER

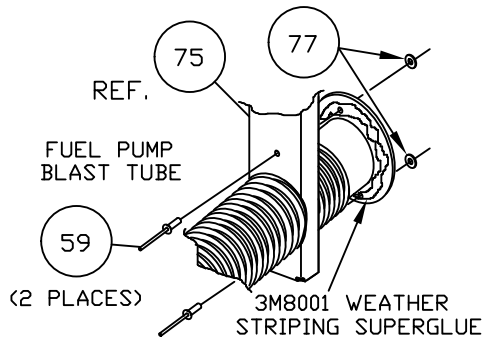
NEXT ASSY:
DRAWN BY: D. B.
ENGINEER: D. BRAUN
CHECKED BY: D. B.

INSTL OF COWLING HOSE HOLDER OPT. 'A'

TOLERANCES
X__10 .XXX__01
.XX__03 .XXXX__001
ANGLES ±5%
UNLESS STATED

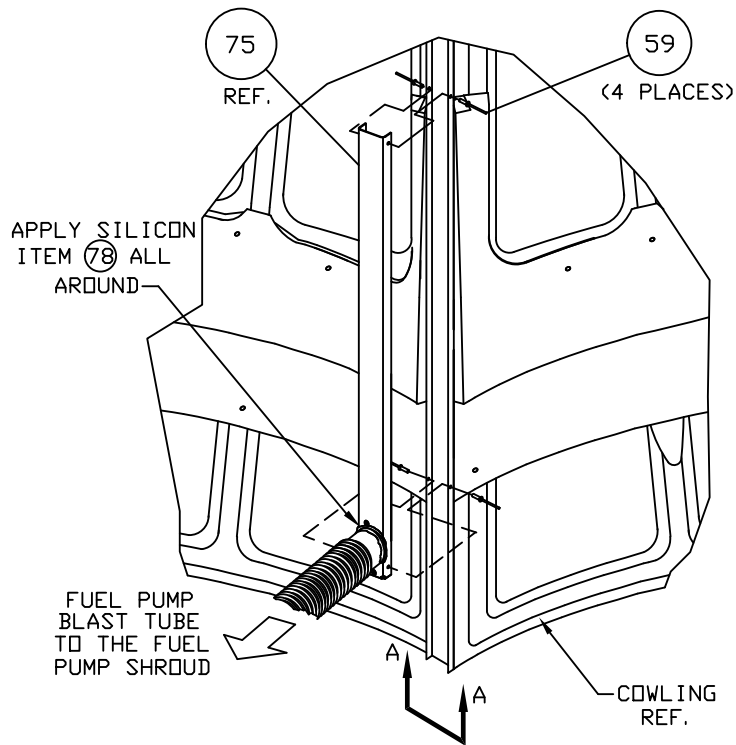
D' SHANNON PRODUCTS, LTD

DWG. No. DSP-IM95-1-26A REVISION NC
SCALE: NONE DATE 12/02/09 SH 1 OF 2

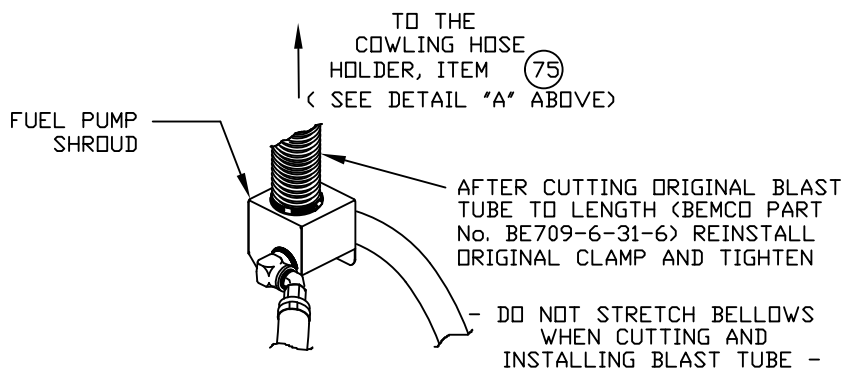


STEP 1

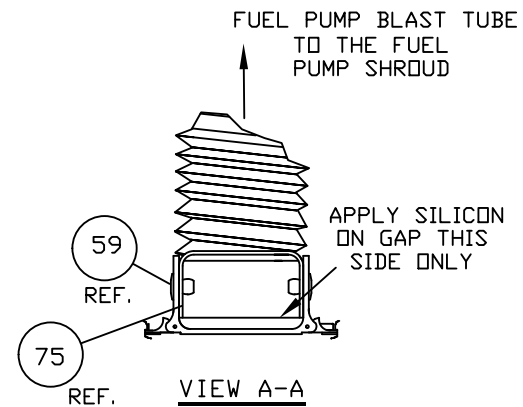
FUEL PUMP BLAST TUBE INSTALLATION



STEP 2



STEP 3



TYPICAL INSTALLATION OF POP RIVETS

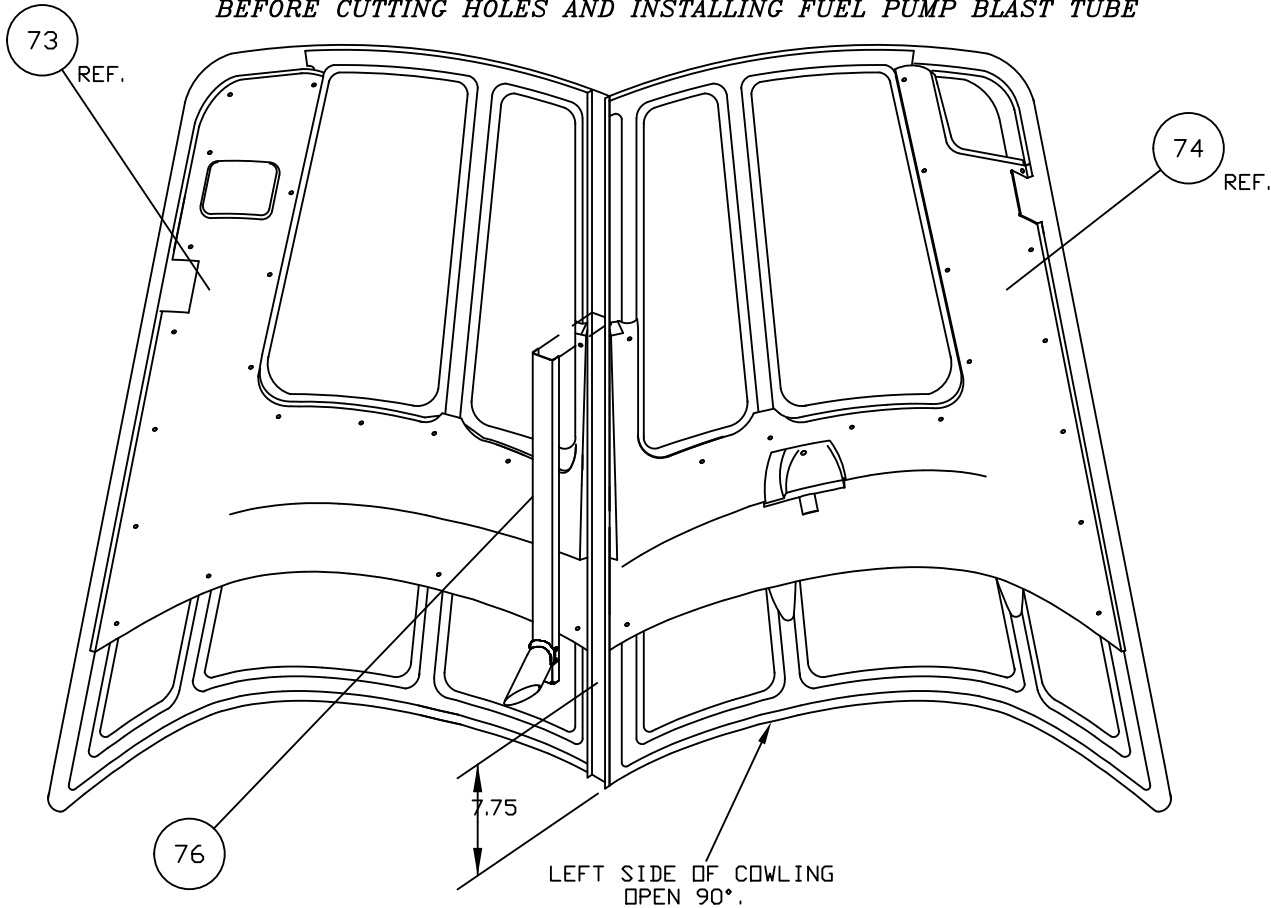
(ONCE ITEM (75) IS INSTALLED)

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.		INSTL OF COWLING HOSE HOLDER OPT. 'A'	
TOLERANCES		D' SHANNON PRODUCTS, LTD	
.X_.10 .XXX_.01	.XX_.03 .XXX_.001	DWG. No. DSP-IM95-1-26A	REVISION NC
ANGLES ±5%		SCALE: NONE	DATE 12/02/09 SH 2 OF 2
UNLESS STATED			

REVISION RECORD			
LTR.	CHANGES	BY	DATE
NC	RELEASED W/NEW DWG. NO.	D. B.	12/02/09

- WARNING -

**READ AND BE FAMILIAR WITH INSTRUCTIONS
BEFORE CUTTING HOLES AND INSTALLING FUEL PUMP BLAST TUBE**



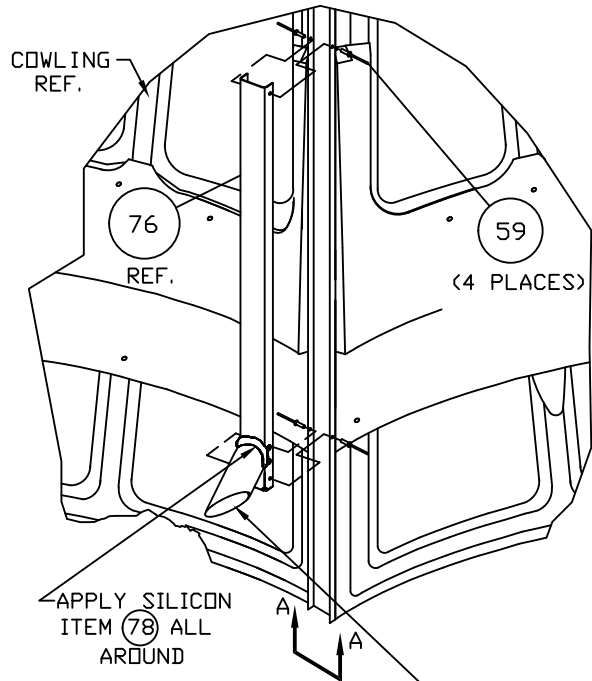
ITEM 73 IS REFERENCED FROM DSP-IM95-1-25, SHEET 1.
ITEM 74 IS REFERENCED FROM DSP-IM95-1-25, SHEET 1.

SEE SH 2 OF 2 FOR DETAILED
AIR DISCHARGE TUBE ASSEMBLY INSTALLATION.

78	A. R.	G. E. SILICONE II	SILICONE SEALANT
59	6	AD44H	PDP RIVET
76	1	242016Z	AIR DISCHARGE TUBE ASSEMBLY
ITEM	QTY	PART No.	DESCRIPTION

NEXT ASSY:
DRAWN BY: D. B.
ENGINEER: D. BRAUN
CHECKED BY: D. B.
INSTL OF COWLING HOSE HOLDER OPT. 'B'

TOLERANCES		D' SHANNON PRODUCTS, LTD	
.X_.10 .XXX_.01		DWG. No. DSP-IM95-1-26B	REVISION NC
.XX_.03 .XXXX_.001		SCALE: NONE	DATE 12/02/09 SH 1 OF 2
ANGLES ±5%			
UNLESS STATED			

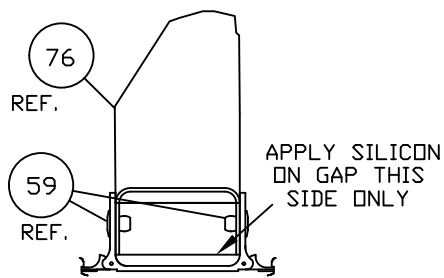


APPLY SILICON ITEM (78) ALL AROUND

ALIGN THE DISCHARGE OF THE TUBE TO THE FINS ON PRESSURE PUMP, TUBE SHOULD NOT TOUCH DRY PRESSURE PUMP OR DRY VACUUM PUMP

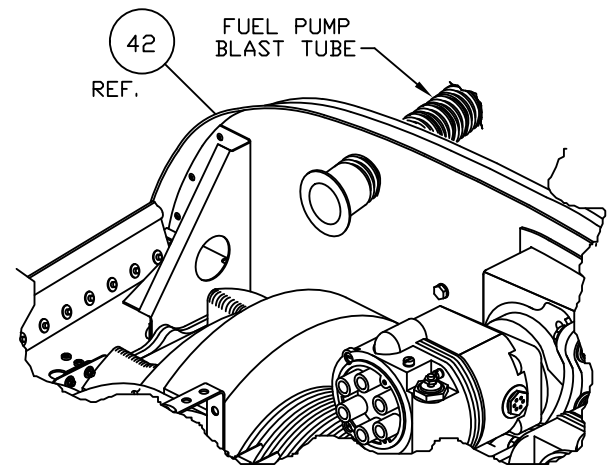
ONLY FOR PRESSURE PUMP SYSTEM NOT FOR D'SHANNON PRODUCTS WET VACUUM PUMP STD'D SYSTEM

STEP 1



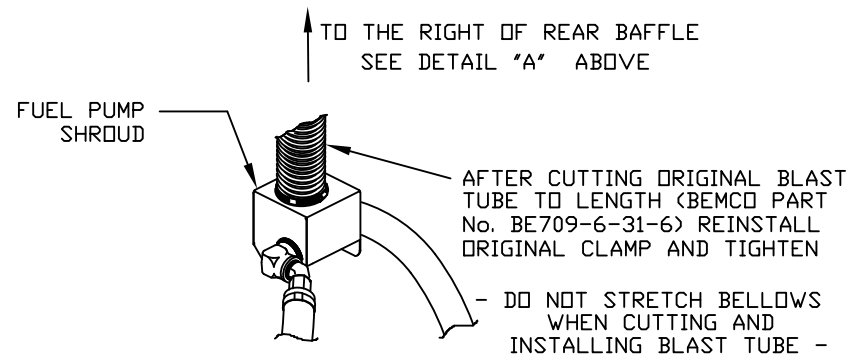
VIEW A-A

TYPICAL INSTALLATION OF POP RIVETS
(ONCE ITEM (76) IS INSTALLED)



FUEL PUMP BLAST TUBE INSTALLATION TO THE RIGHT OF REAR BAFFLE AS HIGH AS PRACTICAL

STEP 2

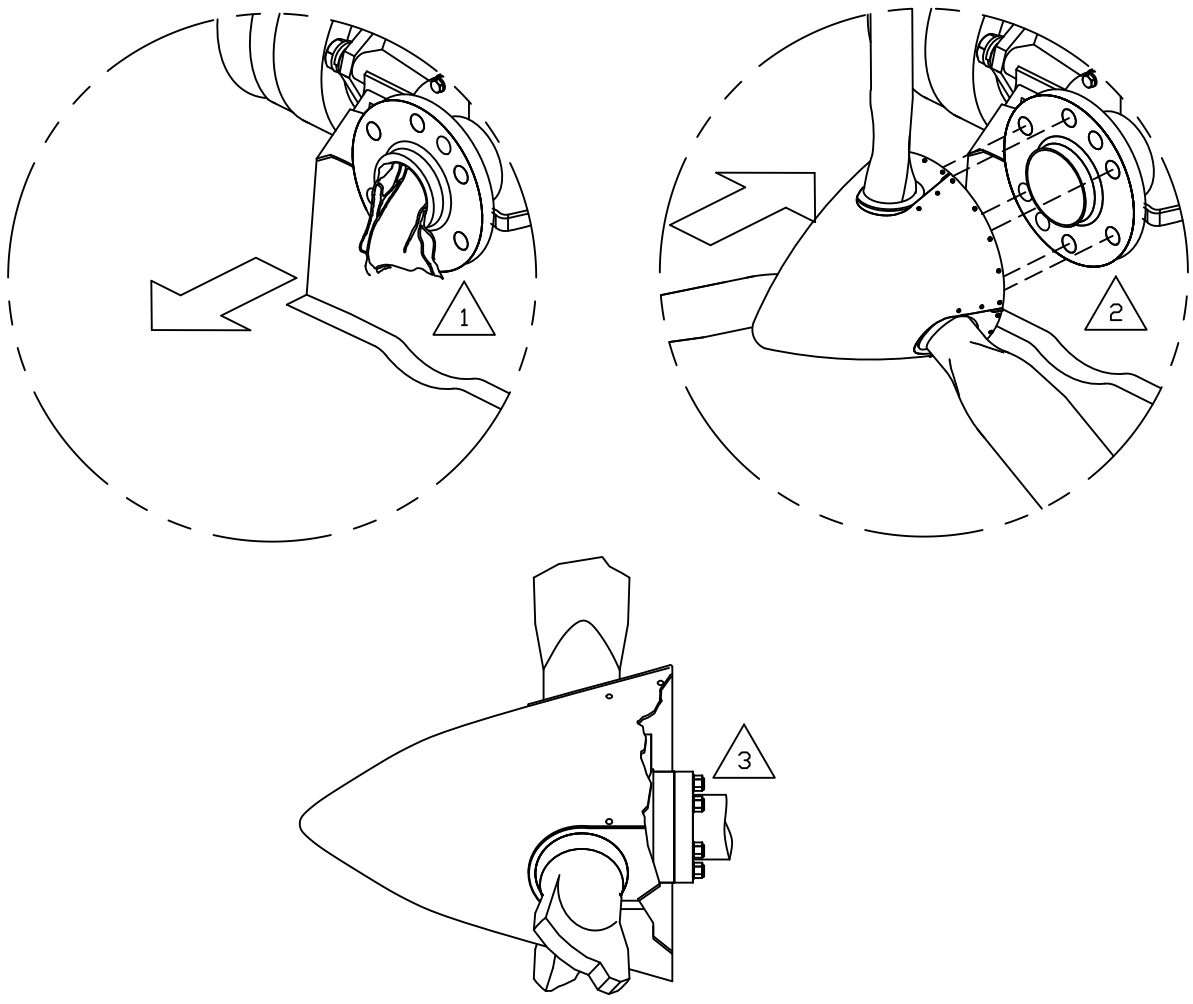


STEP 3

ITEM (42) IS REFERENCED ON DWG. DSP-IM95-1-20 SH 1 OF 4 (SEE NOTE (3) ON THE REFERENCED DWG. ALSO)

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	INSTL OF COWLING HOSE HOLDER OPT. 'B'
TOLERANCES X...10 .XXX...01 .XX...03 .XXXX...001 ANGLES ±5% UNLESS STATED	D' SHANNON PRODUCTS, LTD DWG. No. DSP-IM95-1-26B REVISION NC SCALE: NONE DATE 12/02/09 SH 2 OF 2

REVISION RECORD			
LTR.	CHANGES	BY	DATE
NC	RELEASED	K. S.	04/24/09
A	MOVED NOTES. REMOVE SH 2.	D. B.	03/08/10



- 3** TIGHTEN AND TORQUE AS PER PROP MANUFACTURE'S TORQUE VALUES. AND IF REQUIRED INSTALL SAFETY WIRE IN ACCORDANCE WITH AC-43.13 .
- 2** REINSTALL THE PROPELLER AFTER INSTALLATION OF THE BAFFLES. ASSURE THAT THE ENGINE HAS #1 CYLINDER ON COMPRESSION AND #1 BLADE UP/ WHEN REQUIRED BY MANUFACTURER'S INSTRUCTIONS.
- 1** WARNING : REMOVE ANY RAG OR CAP FROM THE PROPELLER SHAFT IN THE FRONT OF THE ENGINE

NOTES:

ITEM	QTY	PART No.	
NEXT ASSY:		INSTALLATION OF PROPELLER	
DRAWN BY: K. R. S.			
ENGINEER: D. BRAUN			
CHECKED BY: D. B.			
TOLERANCES		D' SHANNON PRODUCTS, LTD	
.X__10 .XXX__01			
.XX__03 .XXXX__001			
ANGLES ±5%		DWG. No. DSP-IM95-1-27 REVISION A	
UNLESS STATED		SCALE: NONE DATE 04/24/09 SH 1 OF 1	