REVISION RECORD			
LTR.	CHANGES	BY	DATE
NC	RELEASED	D. B.	03/08/10
A	ALTERNATOR BOX, NOTES IN TEXT	D. B.	03/25/11

D'Shannon Products, LTD

INSTALLATION MANUAL

DSP-IM96-1

STC No. SA2200SW

REVISION A

INSTALLATION DRAWINGS AND INSTRUCTIONS ENGINE BAFFLE IO-550/520 STRAIGHT

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

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	COVER SHEET
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	D'SHANNON PRODUCTS, LTD
	DWG. No. DSP-IM96-1-1 REVISION A
	SCALE: NONE DATE 03/08/10 SH 1 OF 1

NUMERICAL DRAWING LIST CONTROL

DWG. No.	DATED	REV.		No. SHTS	EFF. EO	EO	EO	EO	DESCRIPTION
DSP-IM96-1-1	03/25/11	A		1					COVER SHEET
DSP-IM96-1-2	03/25/11	A		1					NUMERICAL DRAWING LIST "OPT A"
DSP-IM96-1-3	03/25/11	A		2					INSTALLATION BILL OF MATERIAL "OPTION A"
DSP-IM96-1-3A	03/25/11	A		1					GENERAL NOTES
DSP-IM95-1-4	03/08/10	A		2					REMOVAL OF THE PROPELLER AND INTAKE PIPES
DSP-IM95-1-5	03/08/10	A		1					REMOVAL OF THE ALTERNATOR AND PROP. GOVERNOR
DSP-IM95-1-6	08/31/10	A		2					REMOVE ORIGINAL BAFFLE NOSE
DSP-IM95-1-7	08/30/10	A		5					INSTALLATION BAFFLE INNER CYLINDER
DSP-IM95-1-8	12/02/09	NC		1					INSTALLATION OF ALTERNATOR BAFFLE RETAINER ASSEMBLY
DSP-IM95-1-9	08/31/10	B		1					INSTALLATION FRONT CYLINDER BAFFLE ASSY.
DSP-IM95-1-10	08/31/10	B		1					REINSTALLATION PROP. GOVERNOR WITH BRACKET
DSP-IM95-1-11	08/31/10	B		4					INSTALLATION BAFFLE FRONT LEFT
DSP-IM95-1-12	12/02/09	A		1					INSTALLATION NOSE BAFFLE
DSP-IM95-1-13	08/30/10	B		7					INSTALLATION ALTERNATOR BAFFLE
DSP-IM95-1-14	08/30/10	A		2					REINSTALLATION ALTERNATOR
DSP-IM95-1-16	12/02/09	A		1					INSTALLATION OF REAR #2 BAFFLE TAB
DSP-IM95-1-17	03/08/10	A		1					REINSTALL INTAKE PIPE LEFT SIDE
DSP-IM95-1-18	03/25/11	B		3					INSTALLATION OF REAR #2 BAFFLE
DSP-IM96-1-19	03/25/11	A		4					INSTALLATION BAFFLE REAR LEFT
DSP-IM96-1-20	03/25/11	A		4					INSTALLATION BAFFLE REAR RIGHT
DSP-IM96-1-21	03/25/11	A		6					INSTALLATION CENTER BRACKET REAR
DSP-IM96-1-23	03/25/11	A		6					INSTALLATION OF SIDE BAFFLES
DSP-IM96-1-24	03/25/11	A		4					INSTALLATION GASKET FRONT
DSP-IM95-1-24A	08/31/10	B		2					REMOVAL OF THE ORIGINAL GASKET COWLING
DSP-IM96-1-25	03/25/11	A		3					INSTALLATION OF BAFFLE COWLING PLATES
DSP-IM96-1-26A	03/25/11	A		2					INSTALLATION OFCOWLING HOSE HOLDER OPTION "A"
*DSP-IM96-1-26B	03/25/11	A		2					INSTALLATION OF COWLING HOSE HOLDER OPTION "B"
DSP-IM95-1-27	03/08/10	A		1					INSTALLATION OF PROPELLER

REVISION RECORD			
LTR.	CHANGES	BY	DATE
NC	RELEASED	D. B.	03/08/10
A	RENUMBERED DWG DSP-IM96-1-26A, -26B ADDED DWG DSP-IM95-1-8, -18	D. B.	03/25/11

* THIS DRAWING IS OPTIONAL AND SHALL REPLACE DRAWING DSP-IM96-1-26A WHEN THE AIR DISCHARGE TUBE ASSEMBLY IS REQUIRED.

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	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-IM96-1-2 REVISION A
	SCALE: NONE DATE 03/08/10 SH 1 OF 1

ITEM	LOCATION OF ITEMS	QTY.	PART NUMBER	D E S C R I P T I O N
43	DSP-IM96-1-20	1	244011Z	#1 CYLINDER LOWER FORWARD BAFFLE ASSY.
42	DSP-IM96-1-20	1	SBR-A02	BAFFLE REAR STRAIGHT RIGHT ASSEMBLY
40	DSP-IM96-1-19	8	AN3-5A	BOLT UNDRILLED #10-32
39	DSP-IM96-1-19	1	SBR-A01	BAFFLE REAR STRAIGHT LEFT ASSEMBLY
38	DSP-IM96-1-18	1	244004Z	#2 CYLINDER VERTICAL HEAD BAFFLE ASSY.
37	DSP-IM96-1-18	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 OR MS20074-06-06	DRILLED HEAD BOLT
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 ASSEMBLY
31	DSP-IM95-1-11	1	244113-1Z	BAFFLE FRONT TUNNEL TOP ASSEMBLY
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	DSP-IM95-1-13	1	244117Z	ALTERNATOR BAFFLE RETAINER ASSEMBLY
26	DSP-IM95-1-12	1	244103Z	BAFFLE NOSE ASSEMBLY
25	DSP-IM95-1-11/12/13	41	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 DSP-IM96-1-19/20/21/23	35	MS35206-227	PAN HEAD MACHINE SCREW
19	DSP-IM96-1-19/20	4	AN3-3A	BOLT UNDRILLED #10-32
18				
17				
16	DSP-IM95-1-10	1	244115Z	PROPELLER GOVERNOR BRACKET ASSEMBLY
15	DSP-IM96-1-21/23	31	MS21042-06	REDUCED DIMENSION LOCKNUT
14	DSP-IM95-1-18 DSP-IM96-1-19/23	29	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 DSP-IM96-1-19/20	18	MS21042-3	REDUCED DIMENSION LOCKNUT
8	DSP-IM95-1-7 DSP-IM96-1-19/20	28	AN960-10	FLAT WASHER
7				
6	DSP-IM95-1-7	4	244093	ROD CONNECTOR CYLINDER INNER
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.

REVISION RECORD			
LTR.	CHANGES	BY	DATE
NC	RELEASED	D. B.	12/02/09
A	DELETE ITEM 5, 41. ADD ITEM 11, 76, 84. QUANTITIES	D. B.	03/25/11

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

INSTALLATION BILL OF MATERIAL "OPTION A"

TOLERANCES
.X__.10 .XXX__.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

D'SHANNON PRODUCTS, LTD

DWG. No. DSP-IM96-1-3 | REVISION A

SCALE: NONE | DATE 12/02/09 | SH 1 OF 2

ITEM	LOCATION OF ITEMS	QTY.	PART NUMBER	D E S C R I P T I O N
87				
***86	DSP-IM95-1-10	6	AN960-516L	FLAT WASHER
85				
**84	DSP-IM96-1-20	1	SBR-A02-1	BAFFLE REAR STRAIGHT RIGHT ASSEMBLY
83	DSP-IM95-1-13	AR	MS21266-1N	GROMMET PLASTIC ENDING
82	DSP-IM95-1-13	1	244021Z	BRACKET, ALTERNATOR, BAFFLE ASSEMBLY
81	DSP-IM96-1-19	1	SBR-011	REINFORCE BAFFLE REAR
80				
79	DSP-IM96-1-25/26A/26B	41	AD44H	POP RIVET
78	DSP-IM95-1-7/14/18 DSP-IM96-1-20/23/25/26A/26B	AR	G. E. SILICONE II	SILICONE SEALANT
77	DSP-IM96-1-26A	2	AN960-C4	FLAT WASHER
*76	DSP-IM96-1-26B	1	242016Z	AIR DISCHARGE TUBE ASSEMBLY
75	DSP-IM96-1-26A	1	242005	COWLING HOSE HOLDER
74	DSP-IM96-1-25	1	STCP-02	BAFFLE COWLING INSIDE LEFT
73	DSP-IM96-1-25	1	STCP-01	BAFFLE COWLING INSIDE RIGHT
72	DSP-IM96-1-24	1	SBA-01G	GASKET ALTERNATOR STRAIGHT
71	DSP-IM96-1-24	1	SBF-02G	GASKET FRONT STRAIGHT
70	DSP-IM96-1-24	1	SBF-01G	GASKET FRONT STRAIGHT
69	DSP-IM96-1-24	1	SBN-01G	GASKET NOSE STRAIGHT
68	DSP-IM96-1-24	1	244119B	RETAINER STRIP
67	DSP-IM96-1-24	1	244119A	RETAINER STRIP
66	DSP-IM96-1-24	1	244118A	RETAINER STRIP
65	DSP-IM96-1-24	1	244116A	RETAINER STRIP
64				
63	DSP-IM96-1-24	1	244113B	RETAINER STRIP
62	DSP-IM96-1-24	1	244113A	RETAINER STRIP
61	DSP-IM96-1-24	1	244112A	RETAINER STRIP
60	DSP-IM96-1-24	1	244103A	RETAINER STRIP
59	DSP-IM96-1-24	30	AD45H	POP RIVET
58				
57				
56	DSP-IM96-1-23	5	AN931-4-7	ELASTIC GROMMET
55	DSP-IM96-1-23	1	244050-1	BRACKET BAFFLE SIDE
54	DSP-IM96-1-23	1	SBS-A01	BAFFLE SIDE RIGHT STRAIGHT ASSEMBLY
53	DSP-IM96-1-23	1	SBS-A02	BAFFLE SIDE LEFT STRAIGHT ASSEMBLY
52	DSP-IM96-1-23	1	244050	BRACKET BAFFLE SIDE
51	DSP-IM96-1-23	1	244048	BRACKET BAFFLE SIDE
50	DSP-IM96-1-23	1	244047	BRACKET BAFFLE SIDE
49	DSP-IM96-1-23	4	244045	BRACKET BAFFLE SIDE
48	DSP-IM96-1-21/24	9	AN526C632R8	TRUSS HEAD MACHINE SCREW
47	DSP-IM96-1-21	1	SBR-015	REAR RETAINER REAR BAFFLE
46	DSP-IM96-1-21	1	SBR-014	FRONT RETAINER REAR BAFFLE
45	DSP-IM96-1-19	1	AN931-12-17	GROMMET
44	DSP-IM96-1-20	1	244076	STARTER STUD BRACKET

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

**ITEM (84) IS OPTIONAL AND WILL REPLACE ITEM (42) BY WORK ORDER.

*ITEM (76) IS OPTIONAL AND WILL REPLACE ITEM (75) BY WORK ORDER.

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

INSTALLATION BILL OF MATERIAL "OPTION A"

TOLERANCES
.X__.10 .XXX__.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

D'SHANNON PRODUCTS, LTD

DWG. No. DSP-IM96-1-3 | REVISION A
SCALE: NONE | DATE 12/02/09 | SH 2 OF 2

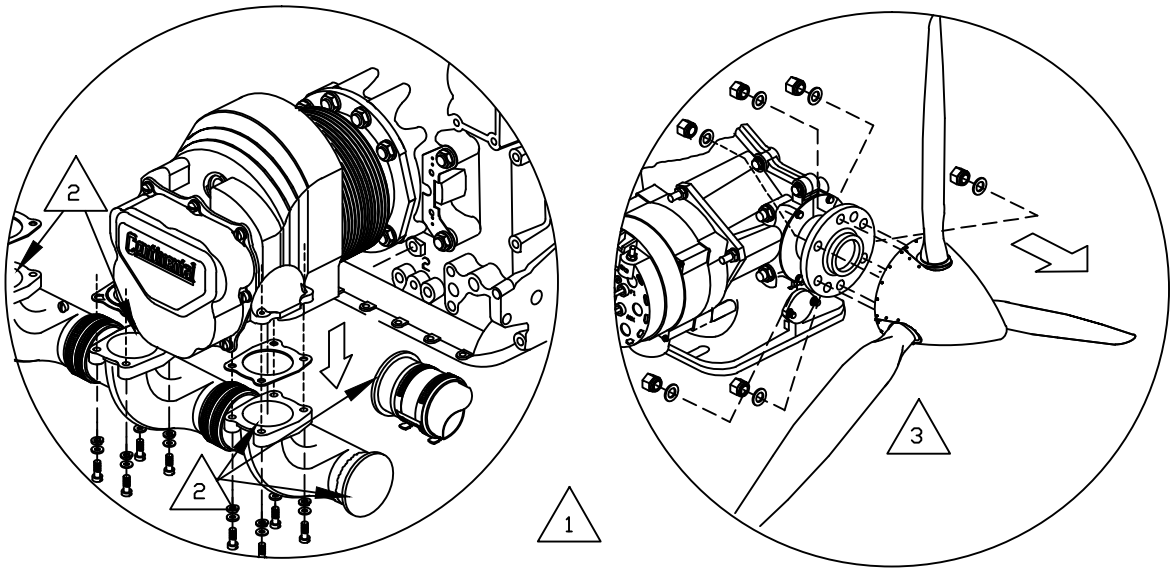
REVISION RECORD			
LTR.	CHANGES	BY	DATE
NC	RELEASED	D. B.	11/06/09
A	REWORDED FOR CLARITY	D. B.	03/25/11

GENERAL NOTES: COOLING SYSTEM (BAFFLES)

1. 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.
2. THROUGH EXPERIENCE, SUBSTANTIAL IMPROVEMENTS IN THE COOLING EFFICIENCY TO THE AFT CYLINDERS HAS BEEN NOTED BY SIMPLY ROTATING THE MAGNETOS 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 MAGNETOS IF THEY ARE ROTATED. MAINTAIN A MINIMUM OF 1/4" CLEARANCE BETWEEN THE MAGNETO AND THE COWL.
3. 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.
4. 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.
5. TEFLON TAPE MAY BE INSTALLED TO THE ADJACENT WEARING SURFACE TO MINIMIZE SEAL WEAR.
6. 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).
7. 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. SBR-A02 OR SBR-A02-1 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.
8. MOUNT THE EXISTING FLANGE-TYPE COOLING BLAST TUBE FOR THE PRESSURE PUMP THROUGH THE RIGHT SIDE OF THE REAR BAFFLE PART NO. SBR-A02 OR SBR-A02-1 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.

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	GENERAL NOTES
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	D'SHANNON PRODUCTS, LTD
	DWG. No. DSP-IM96-1-3A REVISION A
	SCALE: NONE DATE 11/06/09 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



NOTES:

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.

ITEM	QTY	PART No.	MATERIAL

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

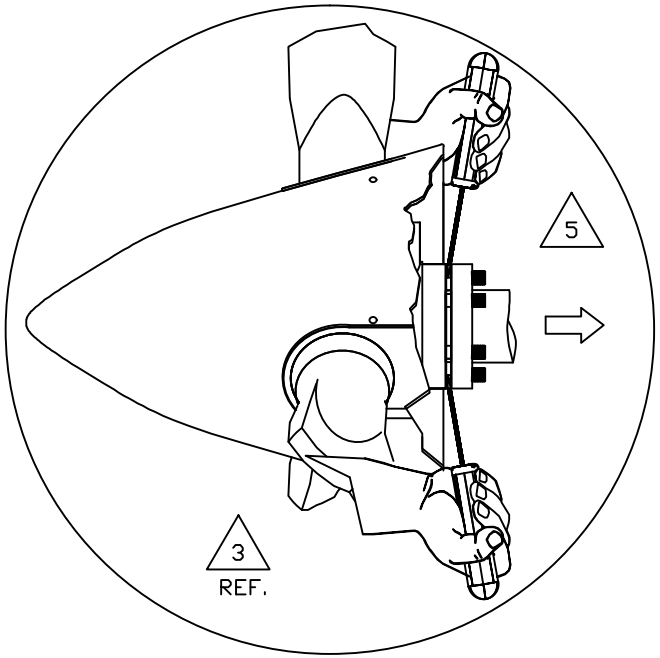
REMOVAL OF PROP. AND INTAKE PIPES

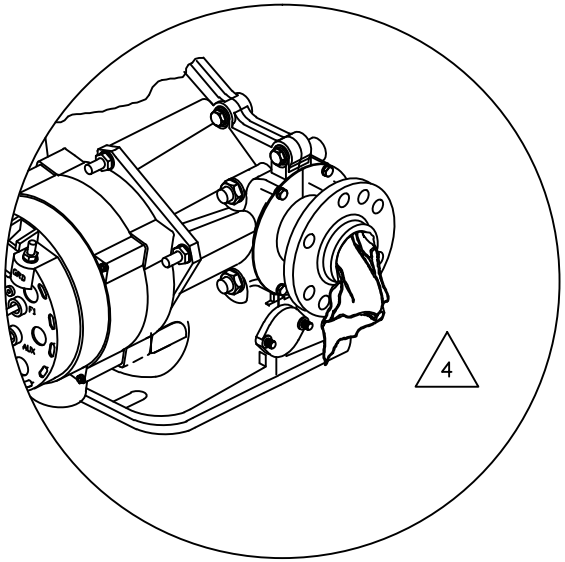
TOLERANCES
.X__.10 .XXX__.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

D'SHANNON PRODUCTS, LTD

DWG. No. DSP-IM95-1-4 | REVISION A

SCALE: NONE | DATE 04/24/09 | SH 1 OF 2





NOTES:

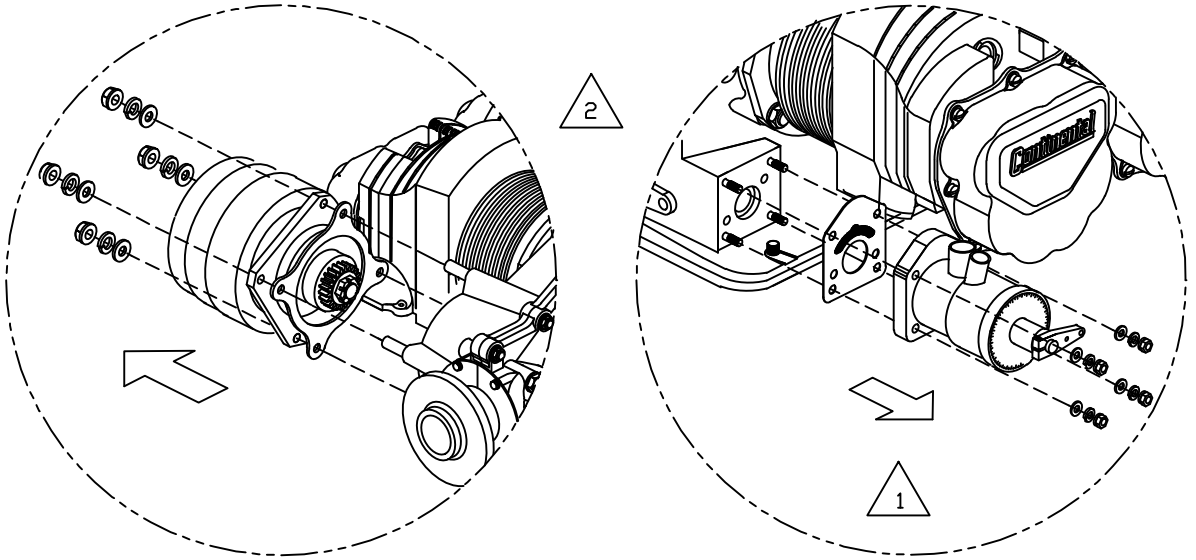
5 TO REMOVE THE PROPELLER, PULL PROPELLER TO ONE SIDE INSERT ANOTHER SCREWDRIVER BEHIND THE PROPELLER AND PULL THE OTHER SIDE. INSERT ANOTHER SCREWDRIVER. WITH SLOW MOVEMENTS BACK AND FORTH REMOVE PROPELLER IN SMALL INCREMENTS.

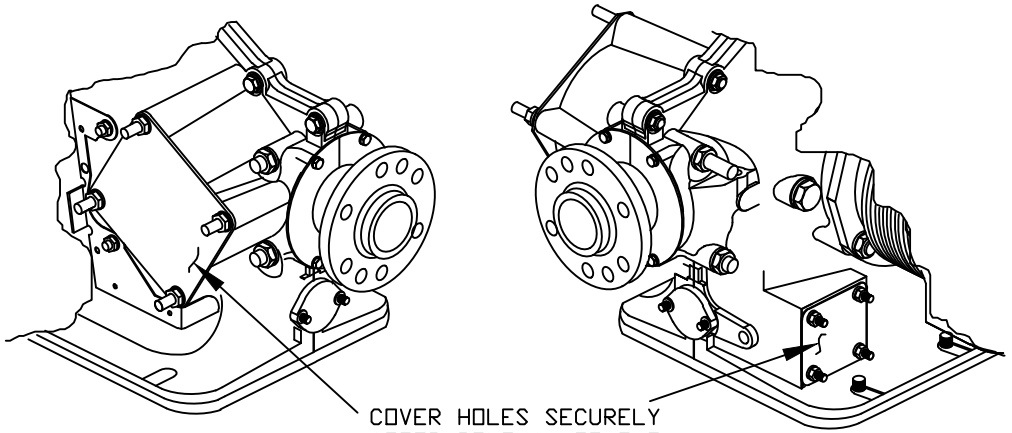
4 WHEN THE PROPELLER HAS BEEN REMOVED CAP THE END OF THE PROPELLER SHAFT. REMOVE THE STAPLES AROUND THE BAFFLE BELOW THE PROPELLER SHAFT AND THE BAFFLE THAT COVERS THE PROP GOVERNOR. REMOVE THE RUBBER IN ITS ENTIRETY. CLEAN OFF ANY RESIDUE AND ANY MATERIAL THAT COULD GET INTO AN OPEN ENGINE.

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

NEXT ASSY: DRAWN BY: K. R. S. ENGINEER: D. BRAUN CHECKED BY: D. B.	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 A
	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. REMOVED SH 2	D. B.	03/08/10





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:

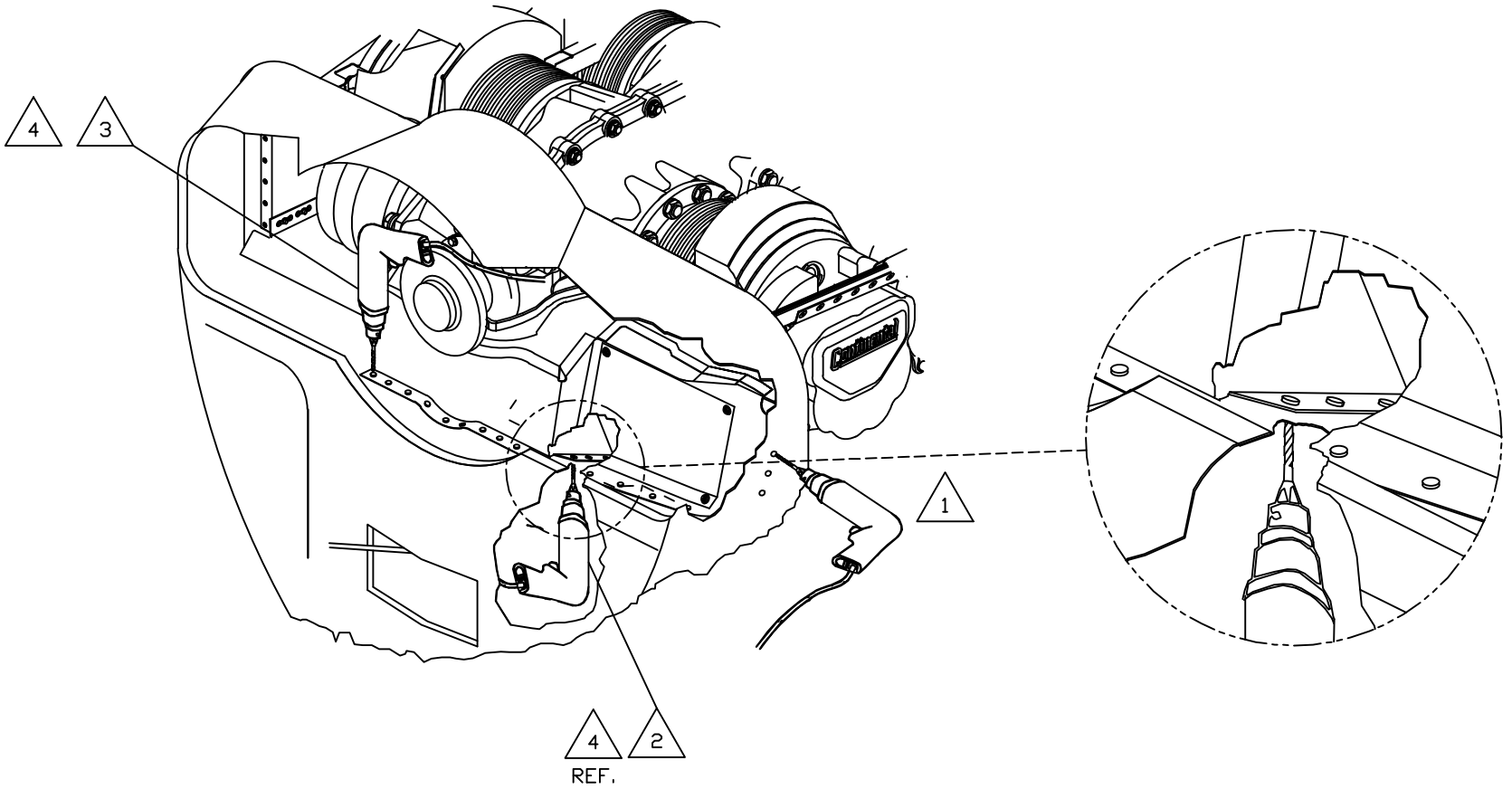
ITEM	QTY	PART No.	MATERIAL
NEXT ASSY:			
DRAWN BY: K. R. S.			REMOVAL OF ALT. AND PROP. GOVERNOR
ENGINEER: D. BRAUN			
CHECKED BY: D. B.			

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

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

OPTION "A"

(TO BE USED WITH AN INSTALLED ENGINE)



NOTES:

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.

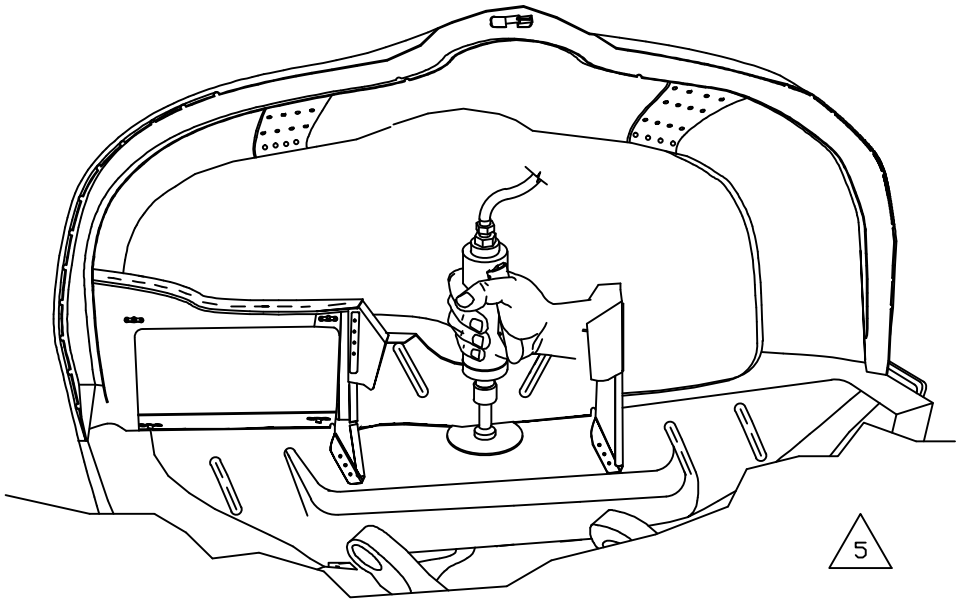
2. TO REMOVE THE SOLID RIVETS SHOWN GAIN MORE SPACE FOR THE DRILL BY LIFTING THE NOSE FLANGE GENTLY.

1. REMOVE THE OLD SOLID RIVETS AND REPLACE WITH COUNTERSUNK RIVETS OF THE SAME SIZE.

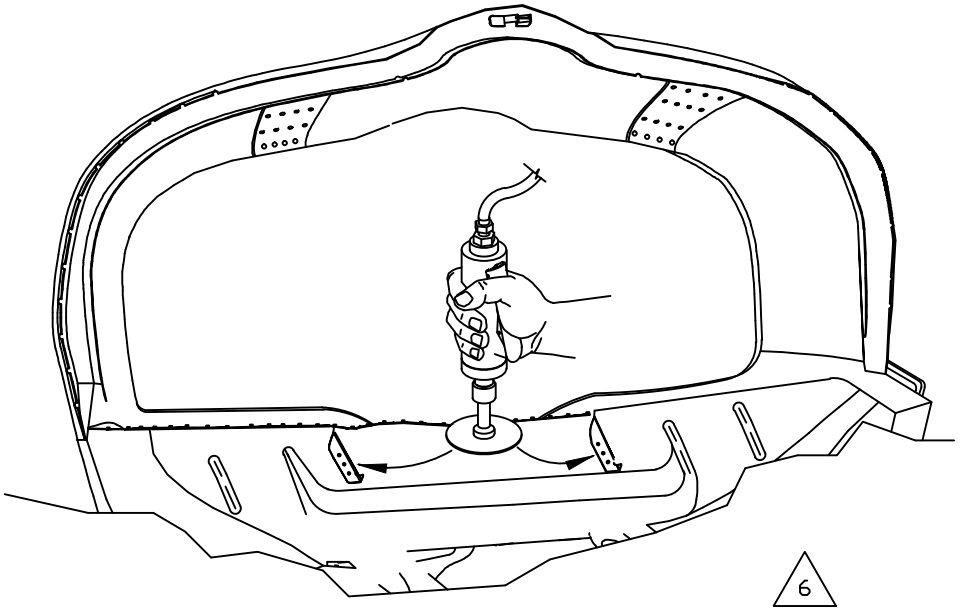
NEXT ASSY: DRAWN BY: K. R. S. ENGINEER: D. BRAUN CHECKED BY: D. B.	REMOVE ORIGINAL BAFFLE NOSE
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	D'SHANNON PRODUCTS, LTD
	DWG. No. DSP-IM95-1-6 REVISION A
	SCALE: NONE DATE 04/24/09 SH 1 OF 2

OPTION "B"

(TO BE USED IF THE ENGINE IS NOT INSTALLED)



5



6

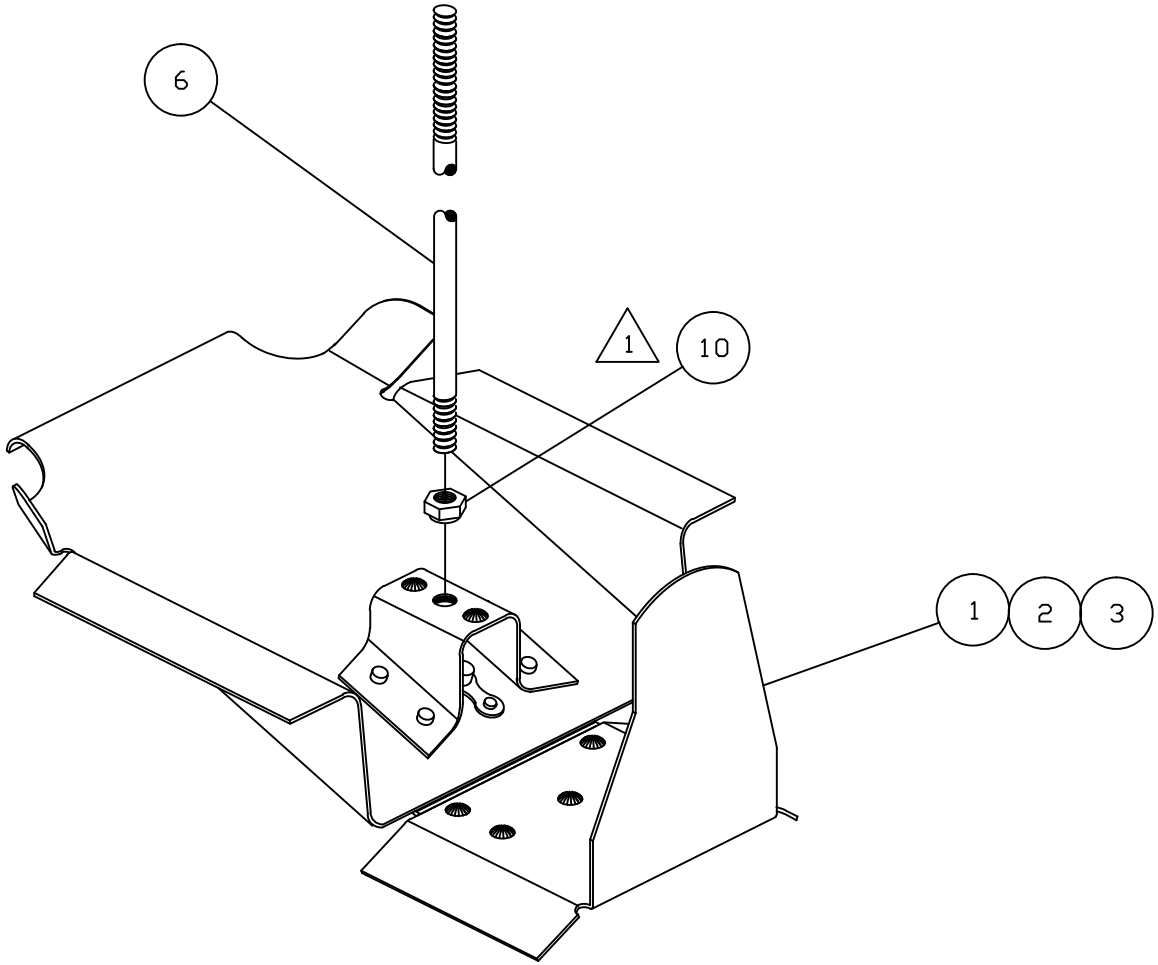
6 USING A CUTTING TOOL, REMOVE ALL SHARP EDGES AND BURRS. SMOOTH ALL THE EDGES WITH A FILE.

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: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	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 A
	SCALE: NONE DATE 04/24/09 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



ITEM	QTY	PART No.	DESCRIPTION
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

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

INSTALLATION BAFFLE INNER CYLINDER

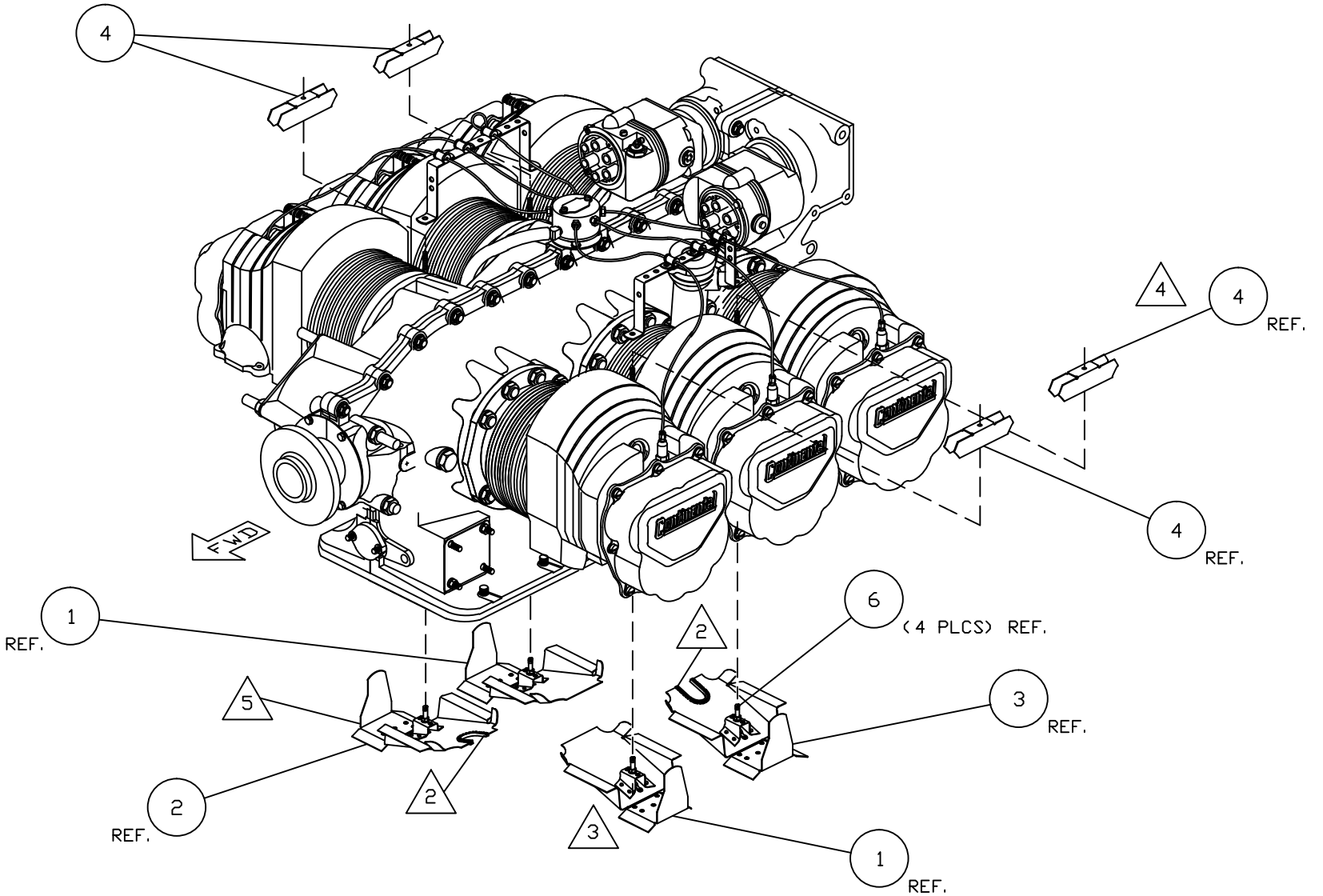
TOLERANCES
.X__.10 .XXX__.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

D'SHANNON PRODUCTS, LTD

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

NOTES:

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:

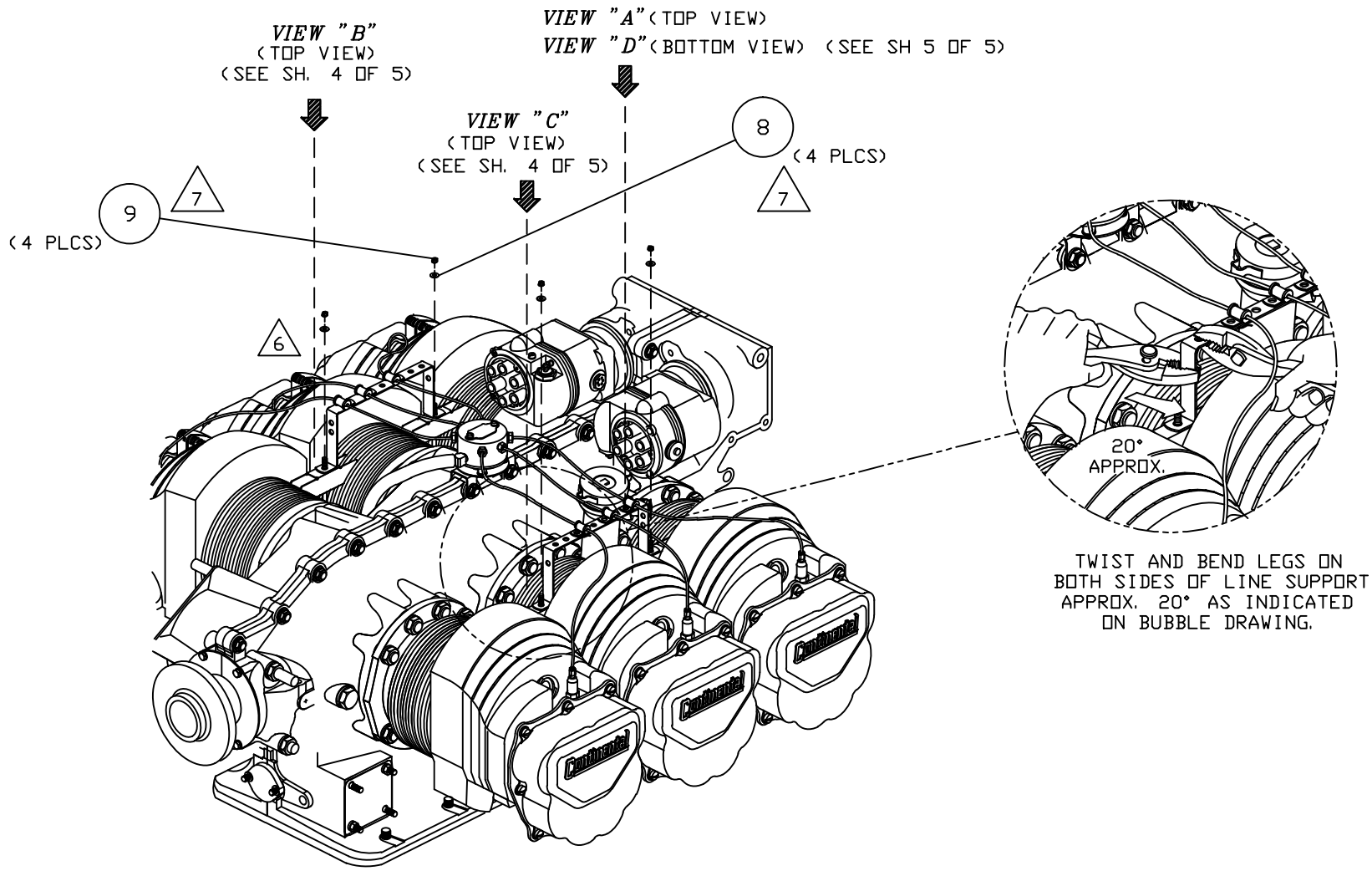
5 REFERENCE SH. 5 OF 5 FOR CORRECT INSTALLATION OF THE INNER CYLINDER BAFFLES.

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.

NEXT ASSY:	INSTALLATION BAFFLE INNER CYLINDER
DRAWN BY: K. R. S.	
ENGINEER: D. BRAUN	
CHECKED BY: D. B.	
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	D'SHANNON PRODUCTS, LTD
DWG. No. DSP-IM95-1-7	REVISION A
SCALE: NONE	DATE 04/24/09 SH 2 OF 5



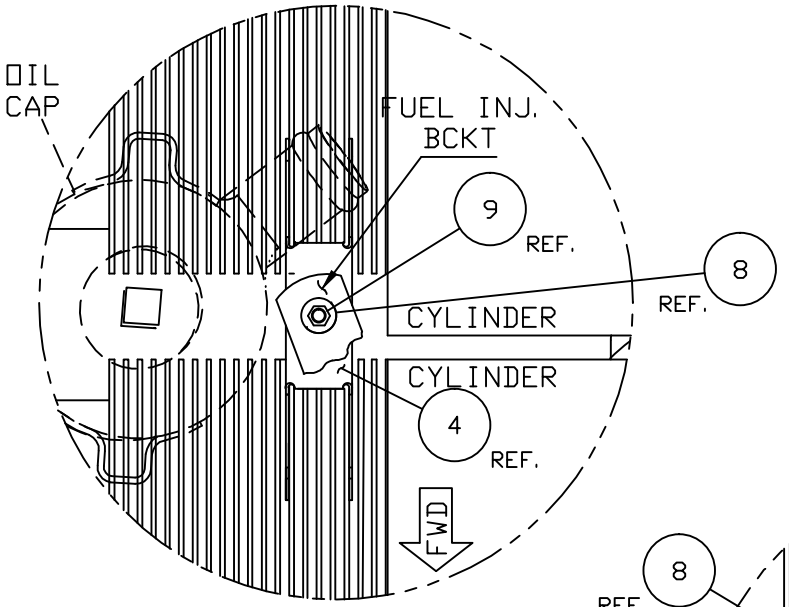
TWIST AND BEND LEGS ON BOTH SIDES OF LINE SUPPORT APPROX. 20° AS INDICATED ON BUBBLE DRAWING.

NOTES:

7 TIGHTEN LOCKNUT ITEM (9).

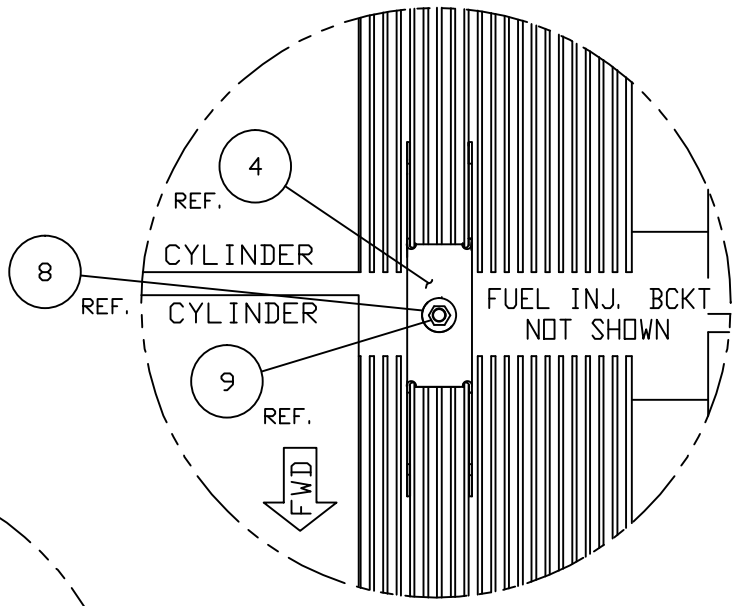
6 FASTEN FACTORY INSTALLED LINE SUPPORT ONTO THE INNER CYLINDER ROD CONNECTOR USING ITEM (8) AND (9) AND TIGHTEN AS SHOWN. FOR ADDITIONAL REFERENCE SEE SH. 4 OF 5.

NEXT ASSY:	INSTALLATION BAFFLE INNER CYLINDER
DRAWN BY: K. R. S.	
ENGINEER: D. BRAUN	
CHECKED BY: D. B.	
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	D'SHANNON PRODUCTS, LTD
	DWG. No. DSP-IM95-1-7 REVISION A
	SCALE: NONE DATE 04/24/09 SH 3 OF 5



VIEW "A"

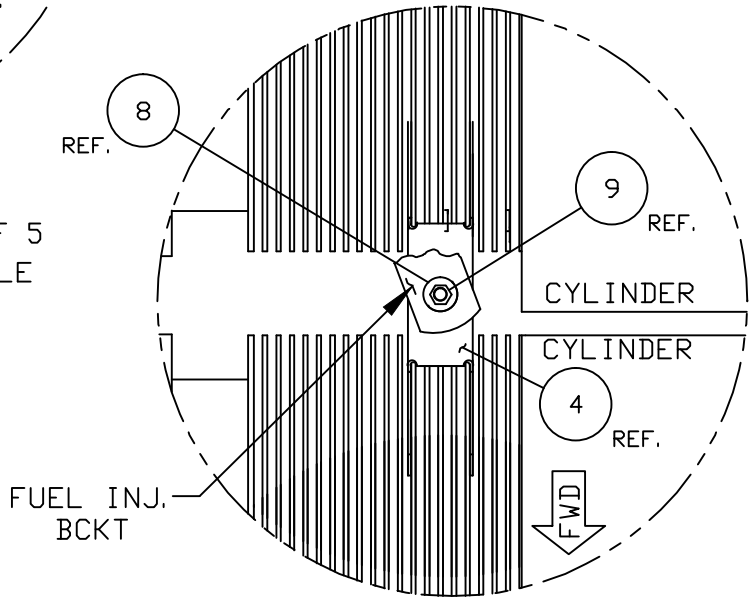
VIEW "A" FROM SHEET 3 OF 5
POSITIONING OF BAFFLE
CYL. #2 AND #4



VIEW "B"

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

7



VIEW "C"

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

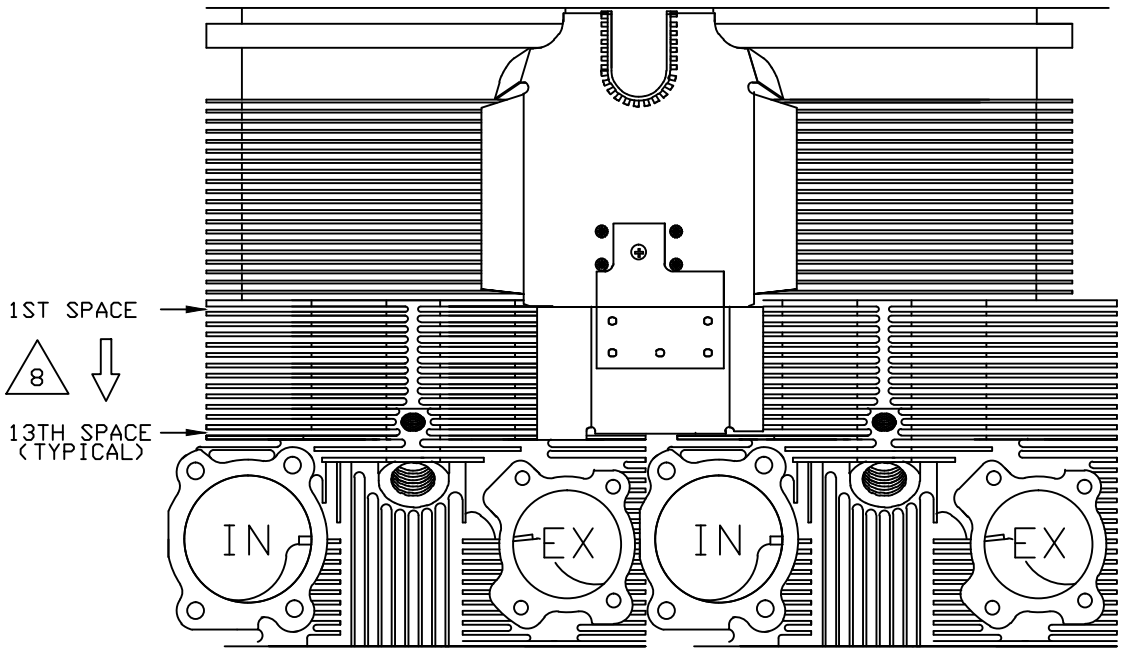
NOTES:

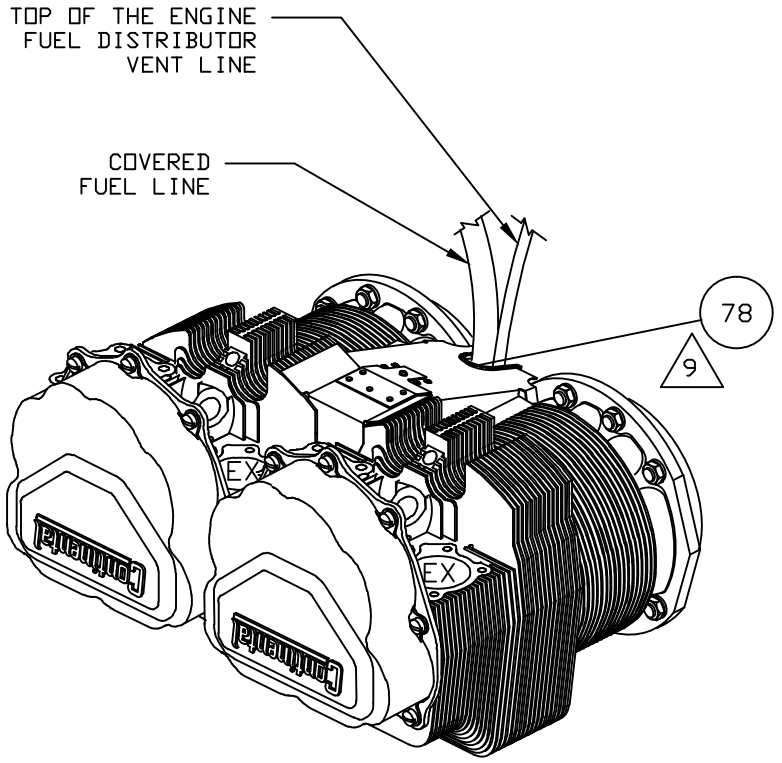
7 TIGHTEN LOCKNUT ITEM (9).

NEXT ASSY: DRAWN BY: K. R. S. ENGINEER: D. BRAUN CHECKED BY: D. B.	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 A
SCALE: NONE	DATE 04/24/09 SH 4 OF 5

VIEW "D"

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





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.

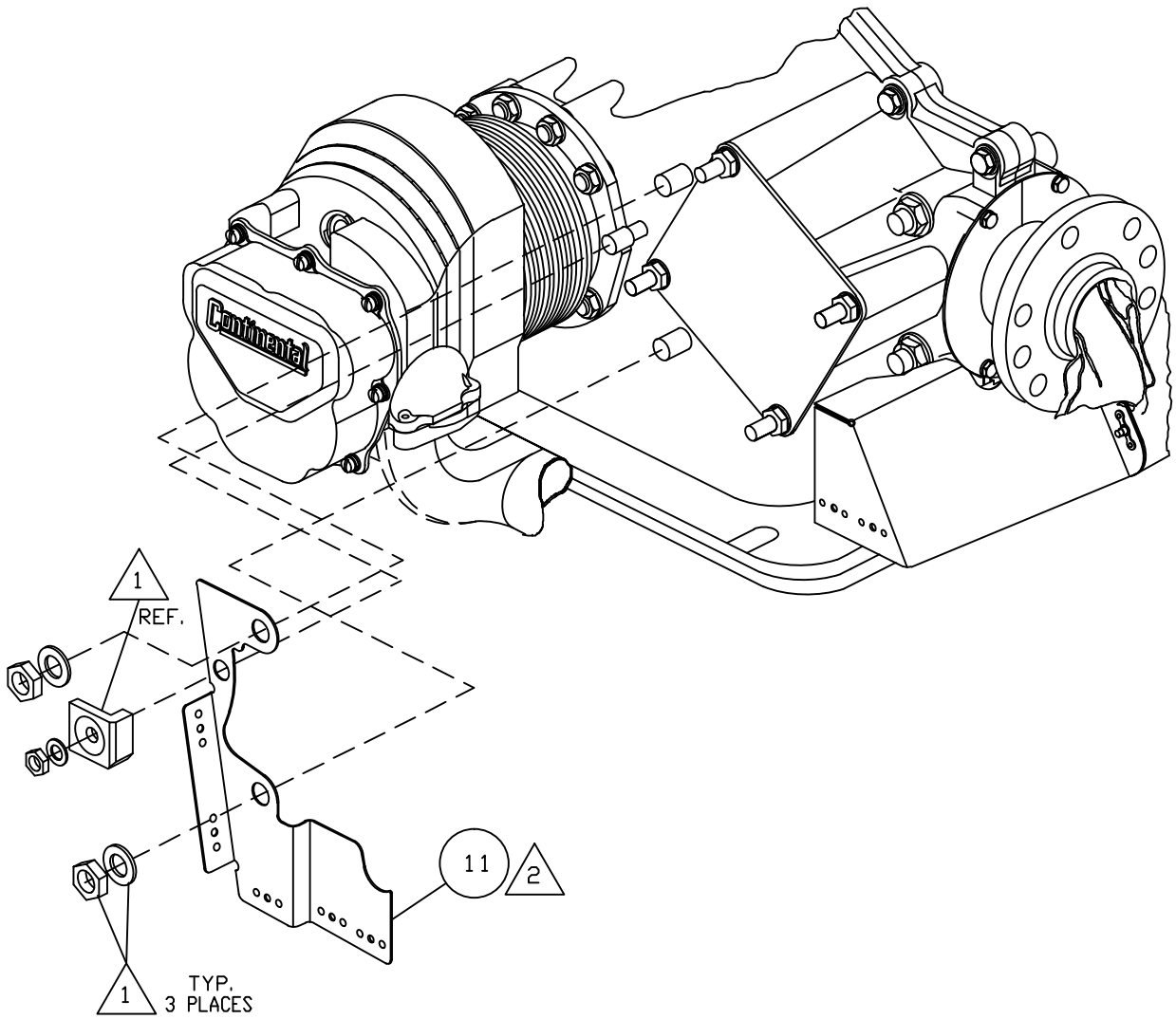
8 INSERT INNER CYLINDER BOTTOM BAFFLE FLANGE IN THE 13TH COOLING FIN SPACE AS SHOWN.

NOTES:

1. - CYLINDERS VIEWED UPSIDE DOWN

NEXT ASSY: DRAWN BY: K. R. S. ENGINEER: D. BRAUN CHECKED BY: D. B.	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 A
SCALE: NONE	DATE 04/24/09 SH 5 OF 5

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



NOTES:

2 INSTALL ITEM (11) AS SHOWN, USING ORIGINAL HARDWARE.

1 ORIGINAL HARDWARE (FOR TORQUE VALUES SEE CONTINENTAL MANUALS).

ITEM	QTY	PART No.	DESCRIPTION
11	1	244117Z	ALTERNATOR BAFFLE RETAINER ASSY

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

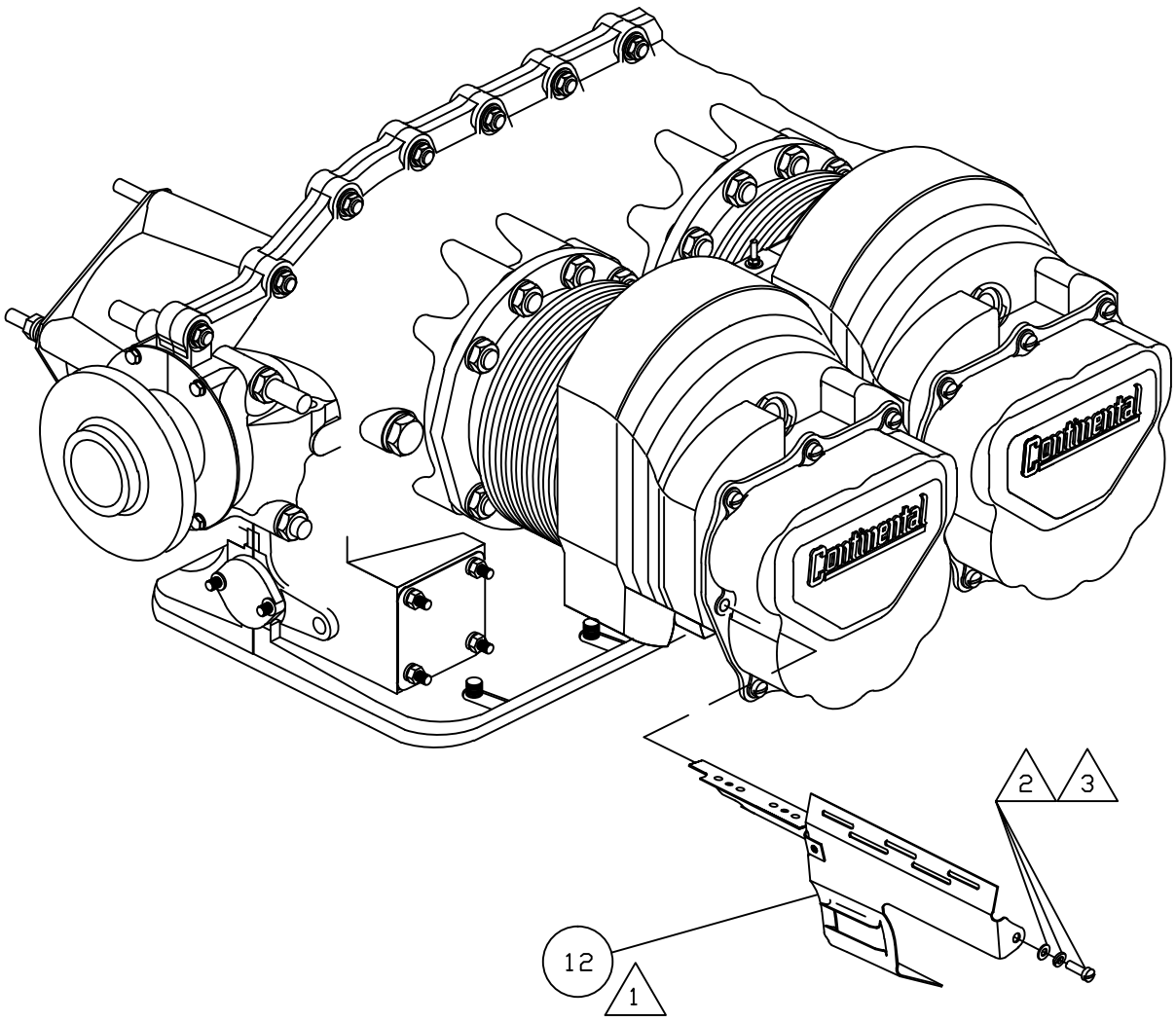
INSTALLATION OF ALTERNATOR BAFFLE RETAINER ASSEMBLY

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



NOTES:

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 (23) 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.

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

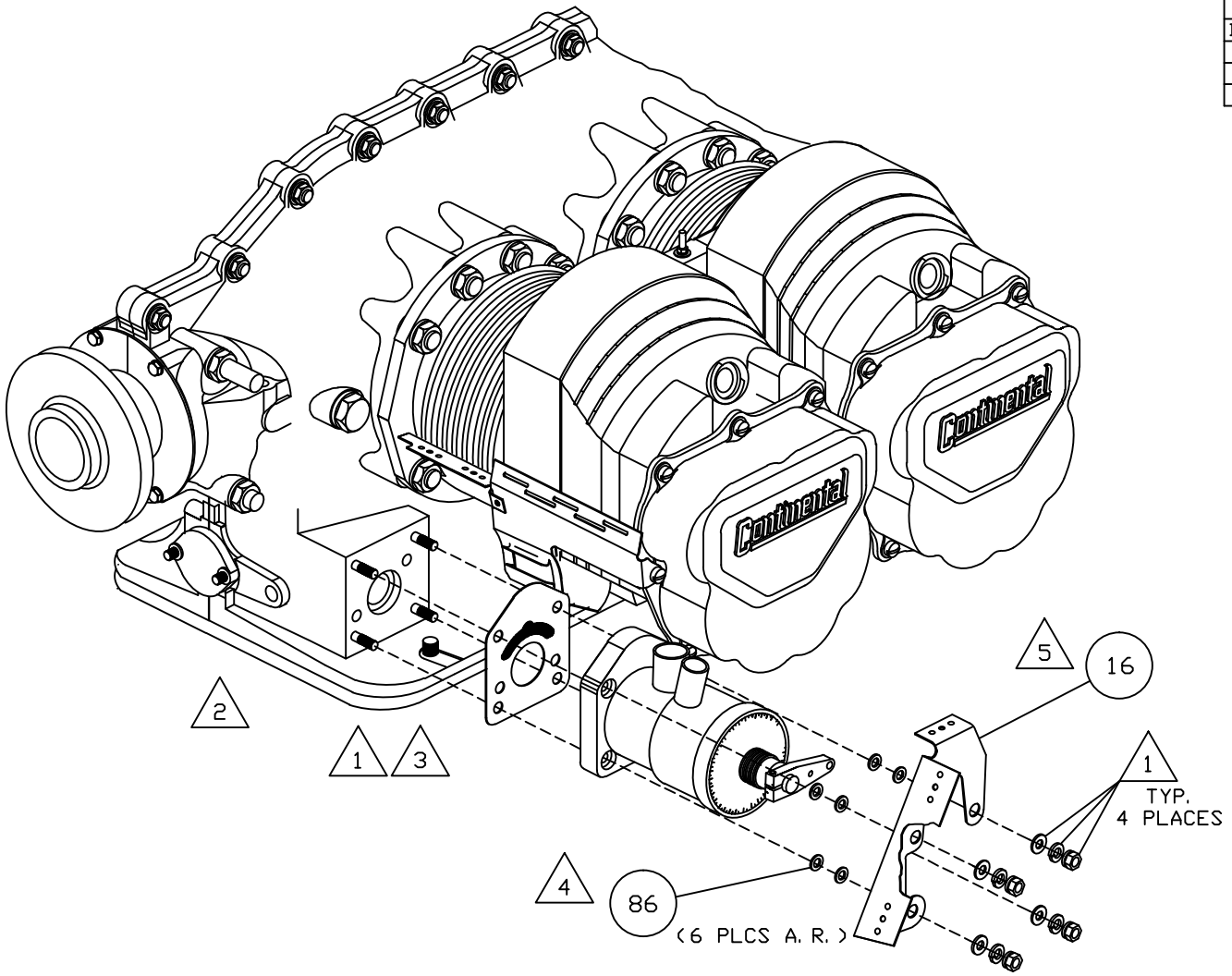
TOLERANCES
.X__.10 .XXX__.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

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



NOTES:

1. ORIGINAL HARDWARE. (FOR TORQUE VALUES SEE BEECHCRAFT SHOP MANUAL).
2. REMOVE PROP GOVERNOR COVER PRIOR TO INSTALLING THE PROP GOVERNOR.
3. INSTALL NEW SCREENED PROP GOVERNOR GASKET.
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.
5. INSTALL ITEM (16) ONTO STUDS. LOCK PROP GOVERNOR, INSTALL NUTS AND LOCK WASHERS AND TORQUE AS PER BEECHCRAFT SHOP MANUAL.

ITEM	QTY	PART No.	DESCRIPTION
86	6	AN960-516L	FLAT WASHER
16	1	244115Z	PROPELLER GOVERNOR BRACKET ASSEMBLY

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

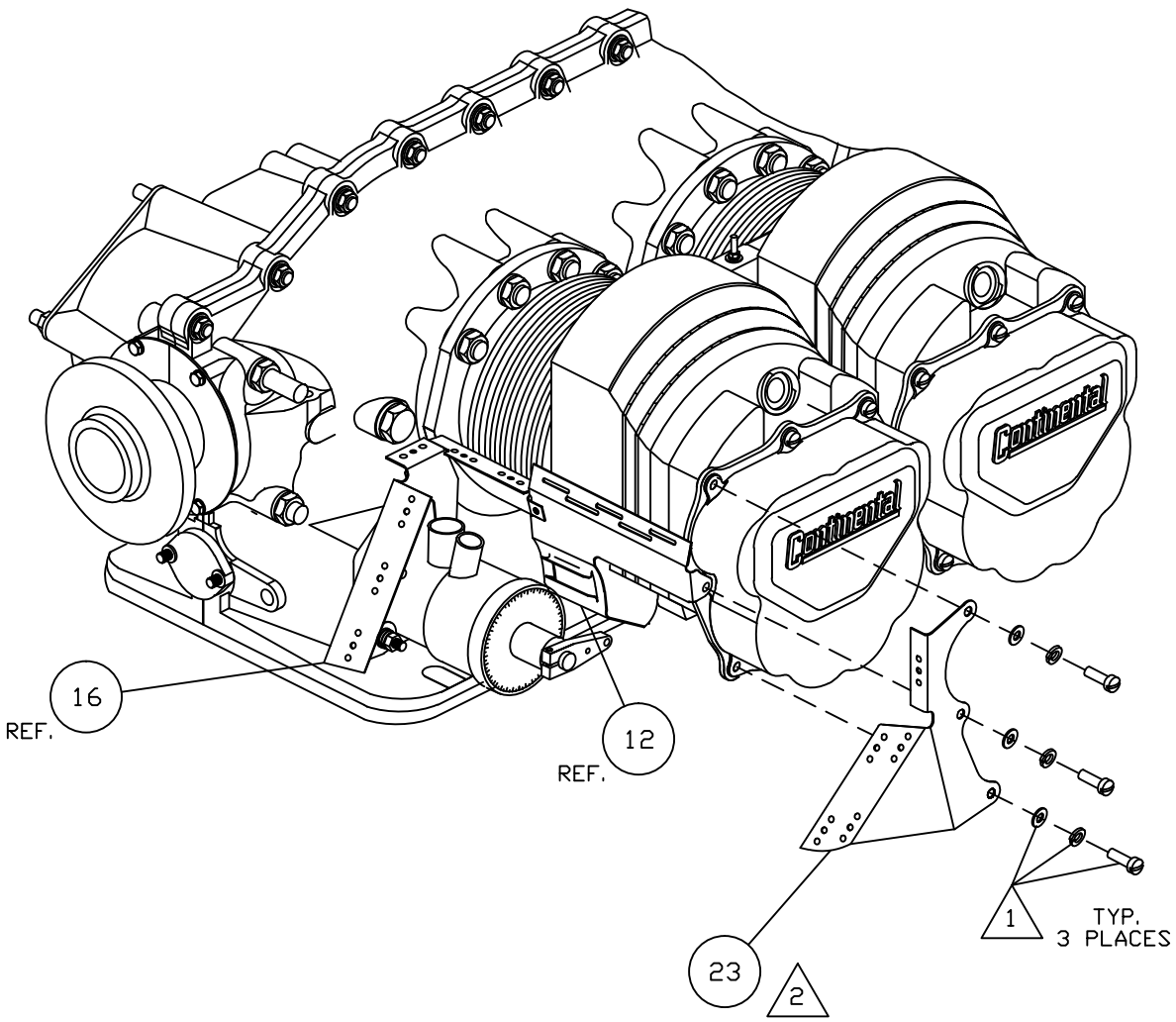
REINSTALLATION PROP. GOVERNOR WITH BRACKET

TOLERANCES
.X__.10 .XXX__.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

D'SHANNON PRODUCTS, LTD

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



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.

ITEM	QTY	PART No.	DESCRIPTION
32	1	244113-2Z	BAFFLE FRONT TUNNEL BOTTOM ASSY
31	1	244113-1Z	BAFFLE FRONT TUNNEL TOP ASSY
25	14	AN526C632-R6	TRUSS HEAD MACHINE SCREW
24	1	244113	BAFFLE FRONT
23	1	244116Z	BRACKET FRONT ASSSEMBLY
22	1	244112Z	BAFFLE FRONT ASSSEMBLY

△2 INSTALL ITEM (23) USING ORIGINAL HARDWARE AND TIGHTEN AS PER MANUAL.

△1 ORIGINAL HARDWARE. (FOR TORQUE VALUES SEE BEECHCRAFT SHOP MANUAL).

NOTES:

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

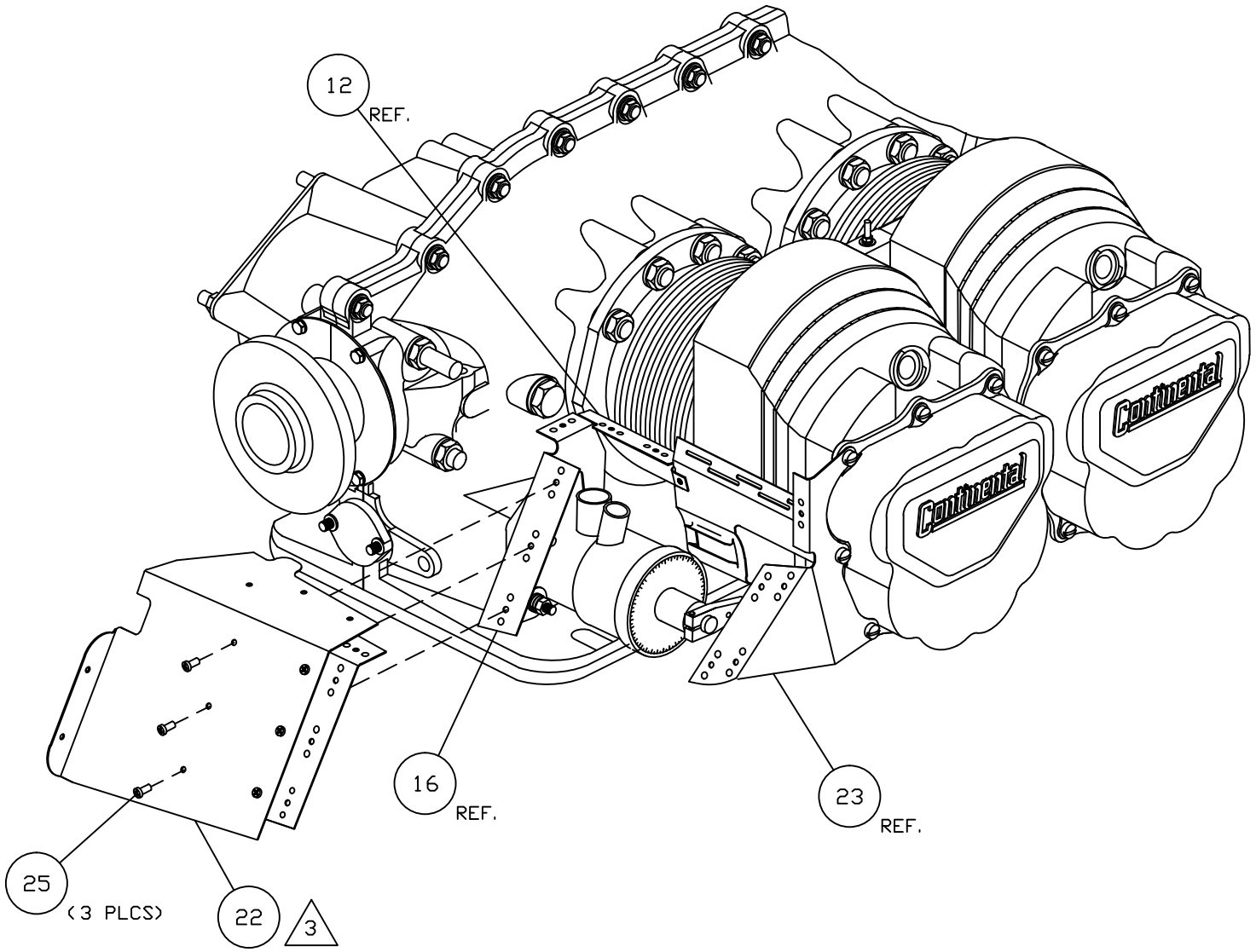
INSTALLATION BAFFLE FRONT LEFT

TOLERANCES
.X__.10 .XXX__.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

D'SHANNON PRODUCTS, LTD

DWG. No. DSP-IM95-1-11 | REVISION B

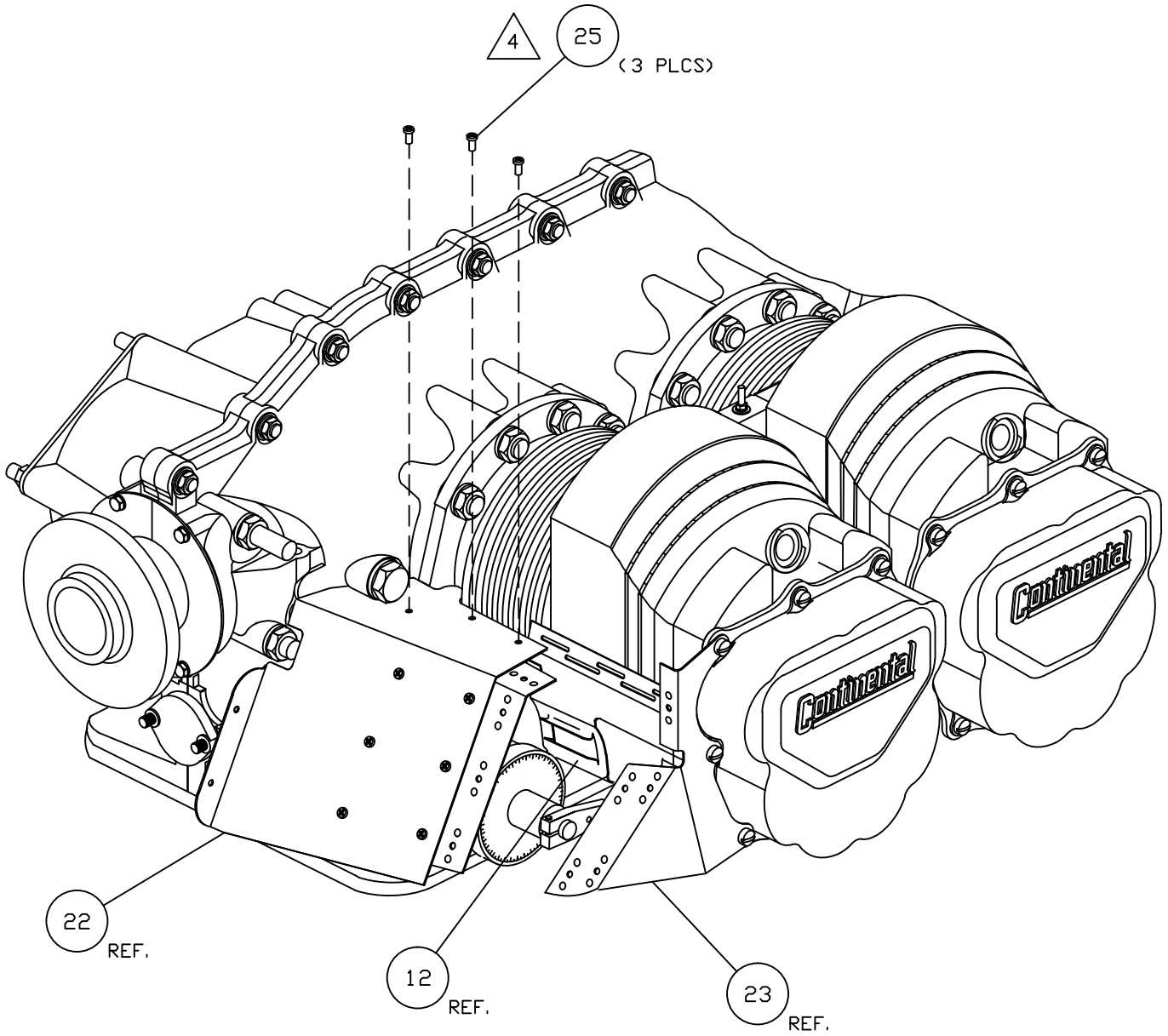
SCALE: NONE | DATE 04/24/09 | SH 1 OF 4



NOTES:

3 INSTALL ITEM (22) AS SHOWN, USING ITEM (25).

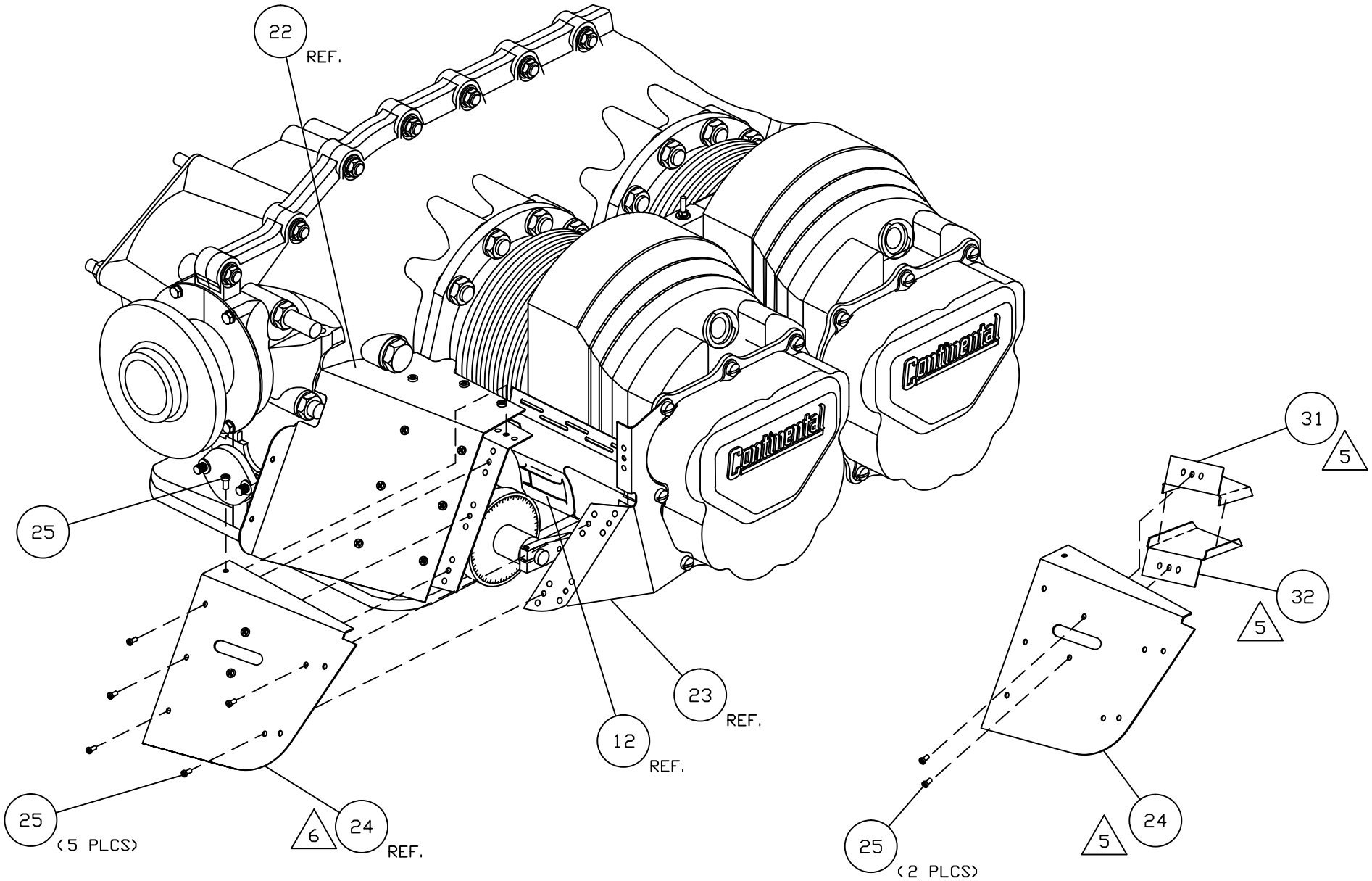
NEXT ASSY: DRAWN BY: K. R. S. ENGINEER: D. BRAUN CHECKED BY: D. B.	INSTALLATION BAFFLE FRONT LEFT
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	*D'SHANNON PRODUCTS, LTD*
	DWG. No. DSP-IM95-1-11 REVISION B
	SCALE: NONE DATE 04/24/09 SH 2 OF 4



NOTES:

4 RUN ITEM (25) THROUGH ITEM (22) AND SCREW IT ON BRACKET HOLES.

NEXT ASSY: DRAWN BY: K. R. S. ENGINEER: D. BRAUN CHECKED BY: D. B.	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 B
	SCALE: NONE DATE 04/24/09 SH 3 OF 4



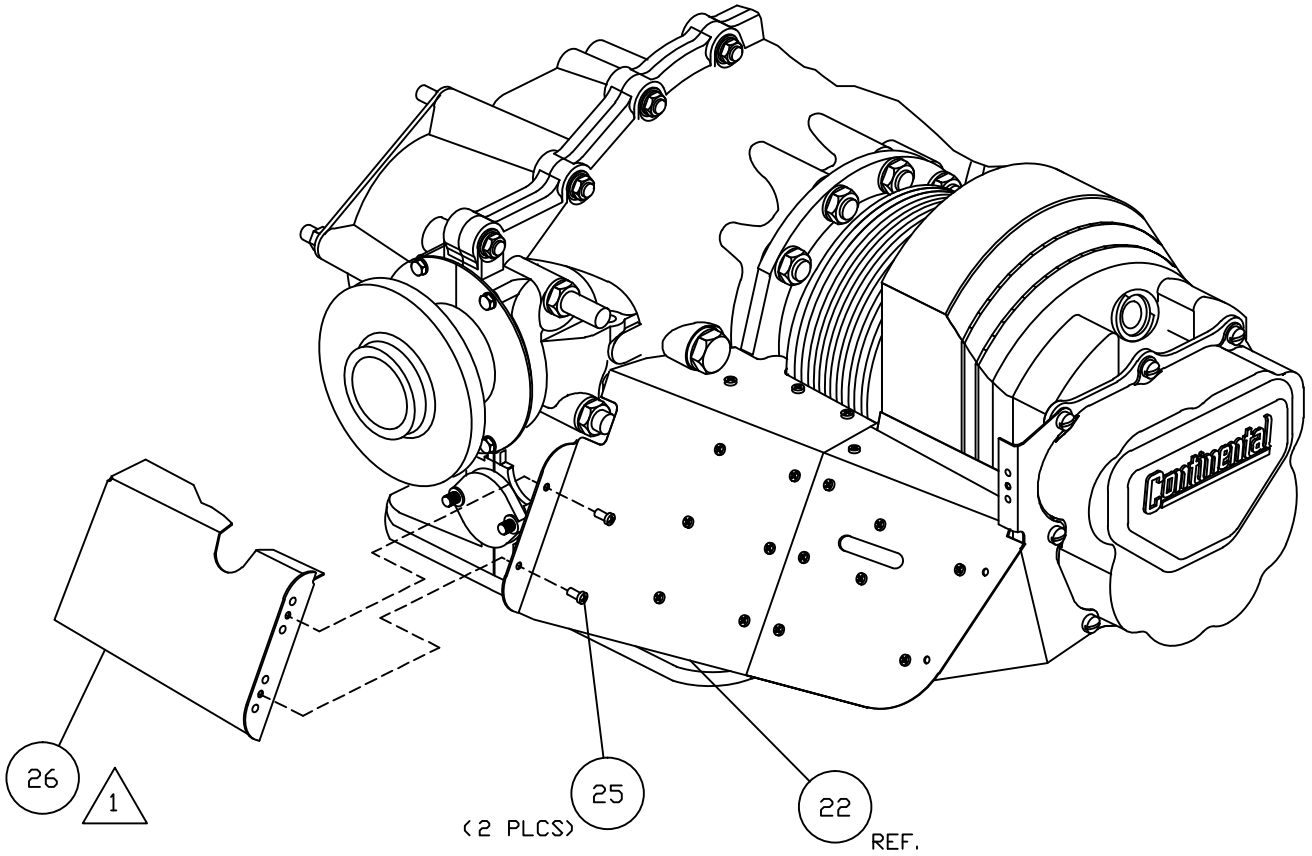
NOTES:

6 INSTALL ITEM (24) AS SHOWN, USING ITEM (25). ASSURE THAT ITEM (31) AND ITEM (32) LINE UP AND SLIDE INTO SLOT OPENING IN ITEM (12).

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

NEXT ASSY:	INSTALLATION BAFFLE FRONT LEFT
DRAWN BY: K. R. S.	
ENGINEER: D. BRAUN	
CHECKED BY: D. B.	
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	D'SHANNON PRODUCTS, LTD
	DWG. No. DSP-IM95-1-11 REVISION B
	SCALE: NONE DATE 04/24/09 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



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

ITEM	QTY	PART No.	DESCRIPTION
26	1	244103Z	BAFFLE NOSE ASSEMBLY
25	2	AN526C632-R6	TRUSS HEAD MACHINE SCREW

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

INSTALLATION NOSE BAFFLE

TOLERANCES
.X__.10 .XXX__.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

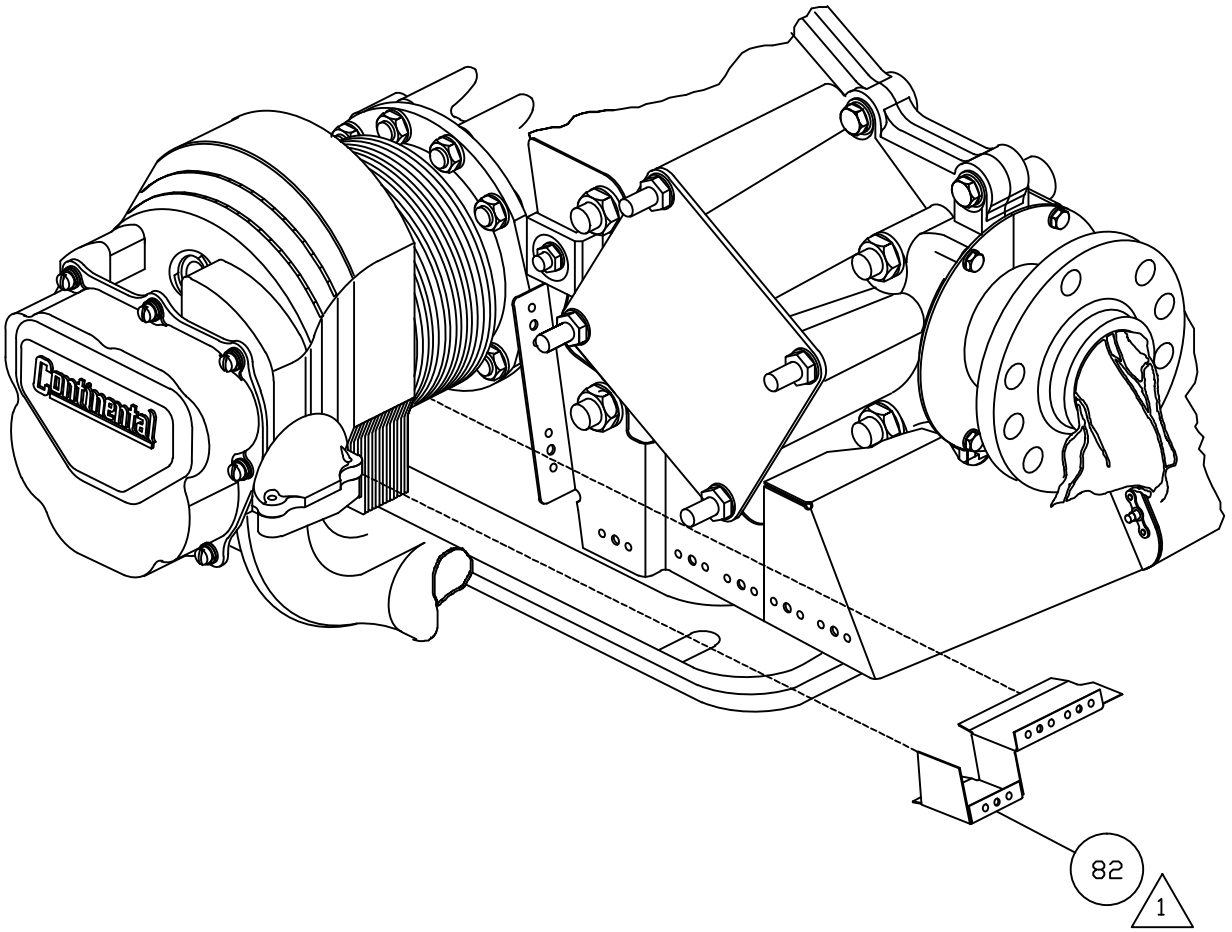
D'SHANNON PRODUCTS, LTD

DWG. No. DSP-IM95-1-12 | REVISION A
SCALE: NONE | DATE 04/24/09 | SH 1 OF 1

1 INSTALL ITEM (26) AS SHOWN, USING ITEM (25).

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



ITEM	QTY	PART No.	DESCRIPTION
83	A. R.	MS21266-1N	GROMMET 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

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

INSTALLATION ALTERNATOR BAFFLE

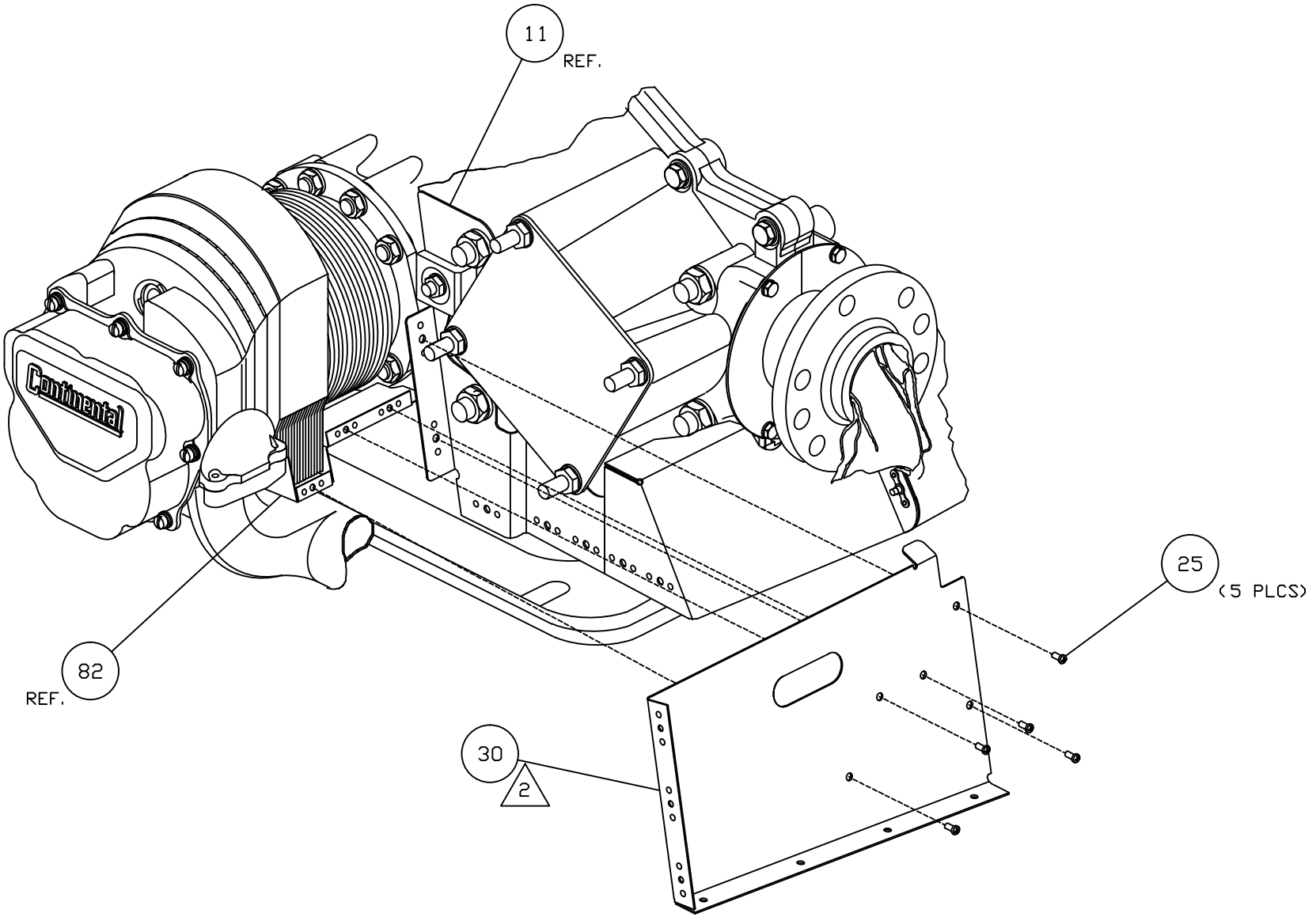
TOLERANCES
.X__.10 .XXX__.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

D'SHANNON PRODUCTS, LTD

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

NOTES:

1. PLACE ITEM (82) AS SHOWN ON DRAWING.



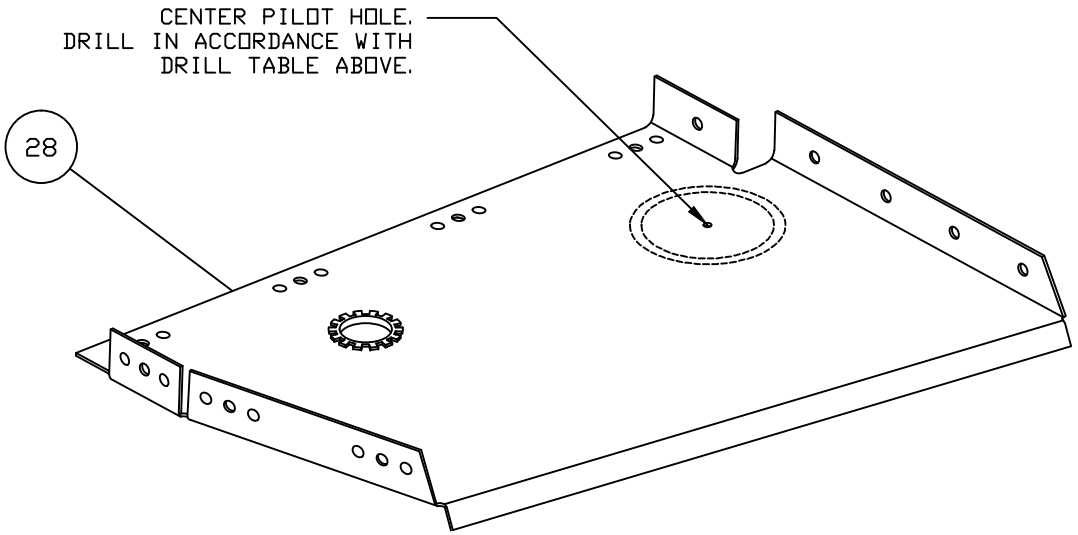
ITEM (11) IS REFERENCED ON DWG. DSP-IM95-1-8
SH. 1 OF 1

NOTES:

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

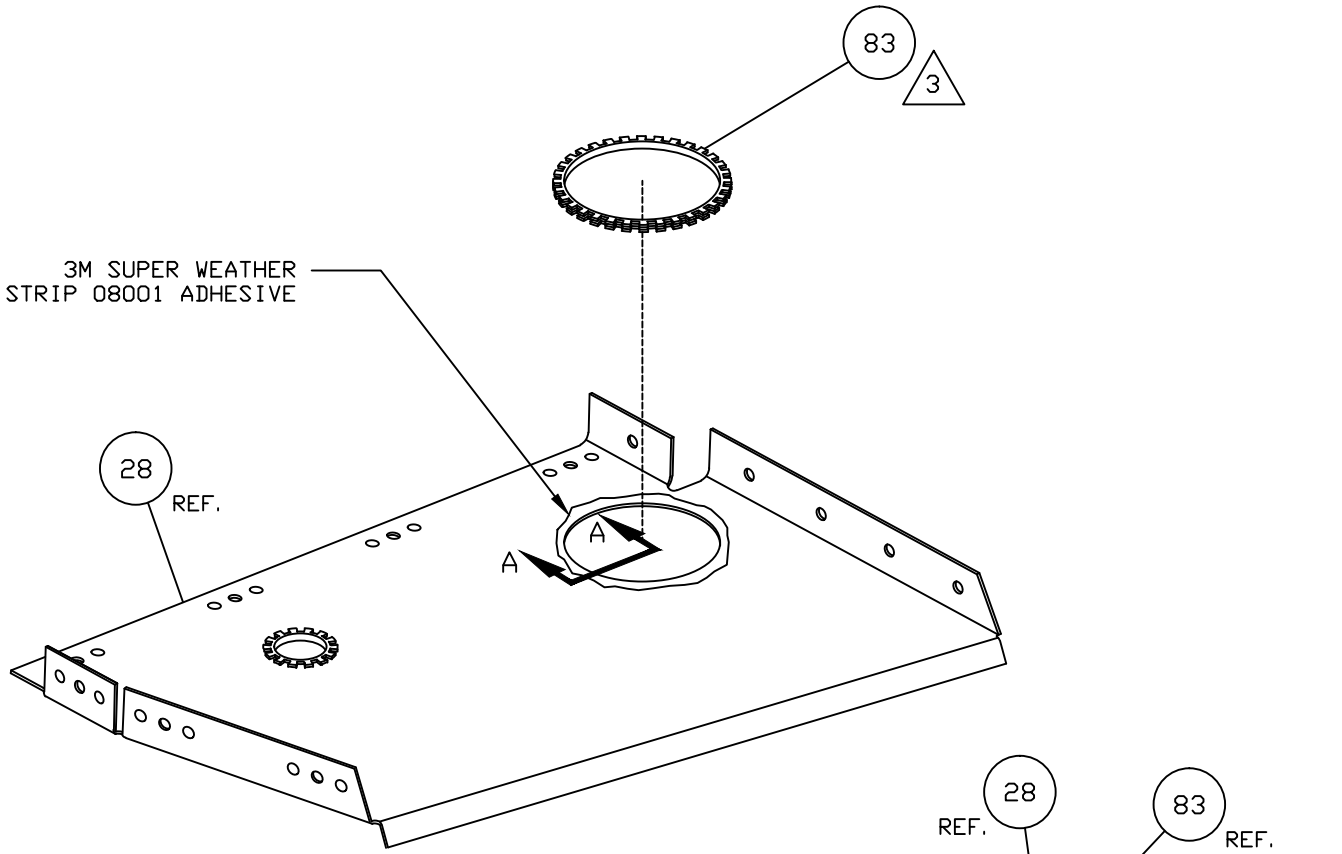
NEXT ASSY: DRAWN BY: K. R. S. ENGINEER: D. BRAUN CHECKED BY: D. B.	INSTALLATION ALTERNATOR BAFFLE
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	*D'SHANNON PRODUCTS, LTD*
DWG. No. DSP-IM95-1-13	REVISION B
SCALE: NONE	DATE 04/24/09 SH 2 OF 7

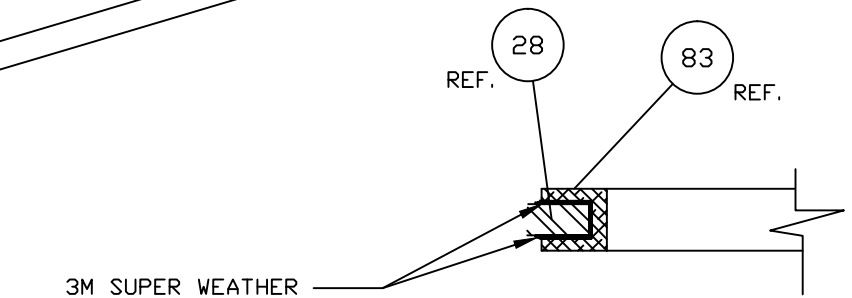
DRILL TABLE	
ALTERNATOR	DRILLING
100 AMP.	2 5/16″ DIA.
70 AMP.	2″ DIA.
60 AMP.	2″ DIA.



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 B
	SCALE: NONE DATE 04/24/09 SH 3 OF 7





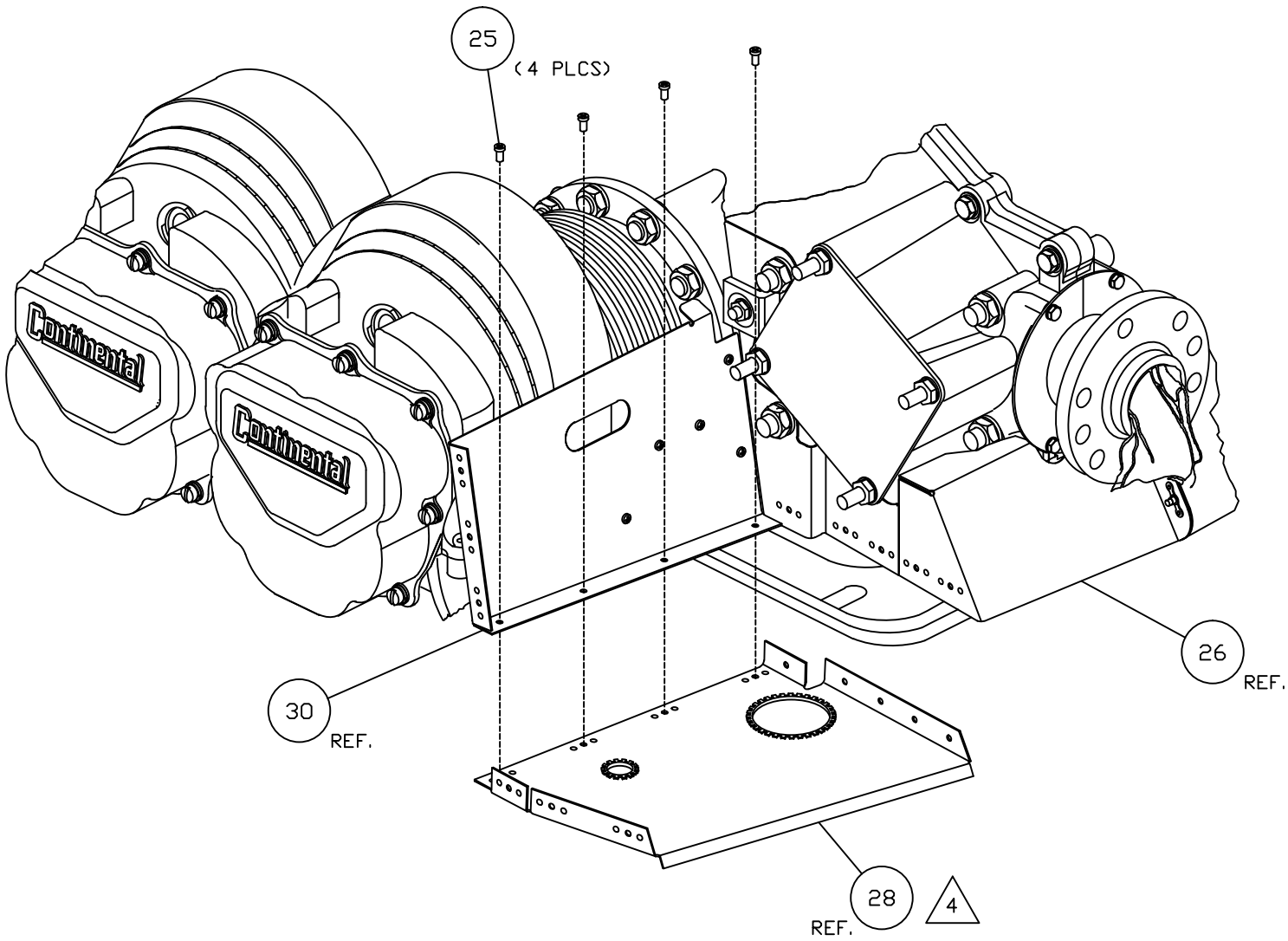
SECTION A-A

TYPICAL GROMMET
INSTALLATION

NOTES:

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 B
SCALE: NONE	DATE 04/24/09 SH 4 OF 7

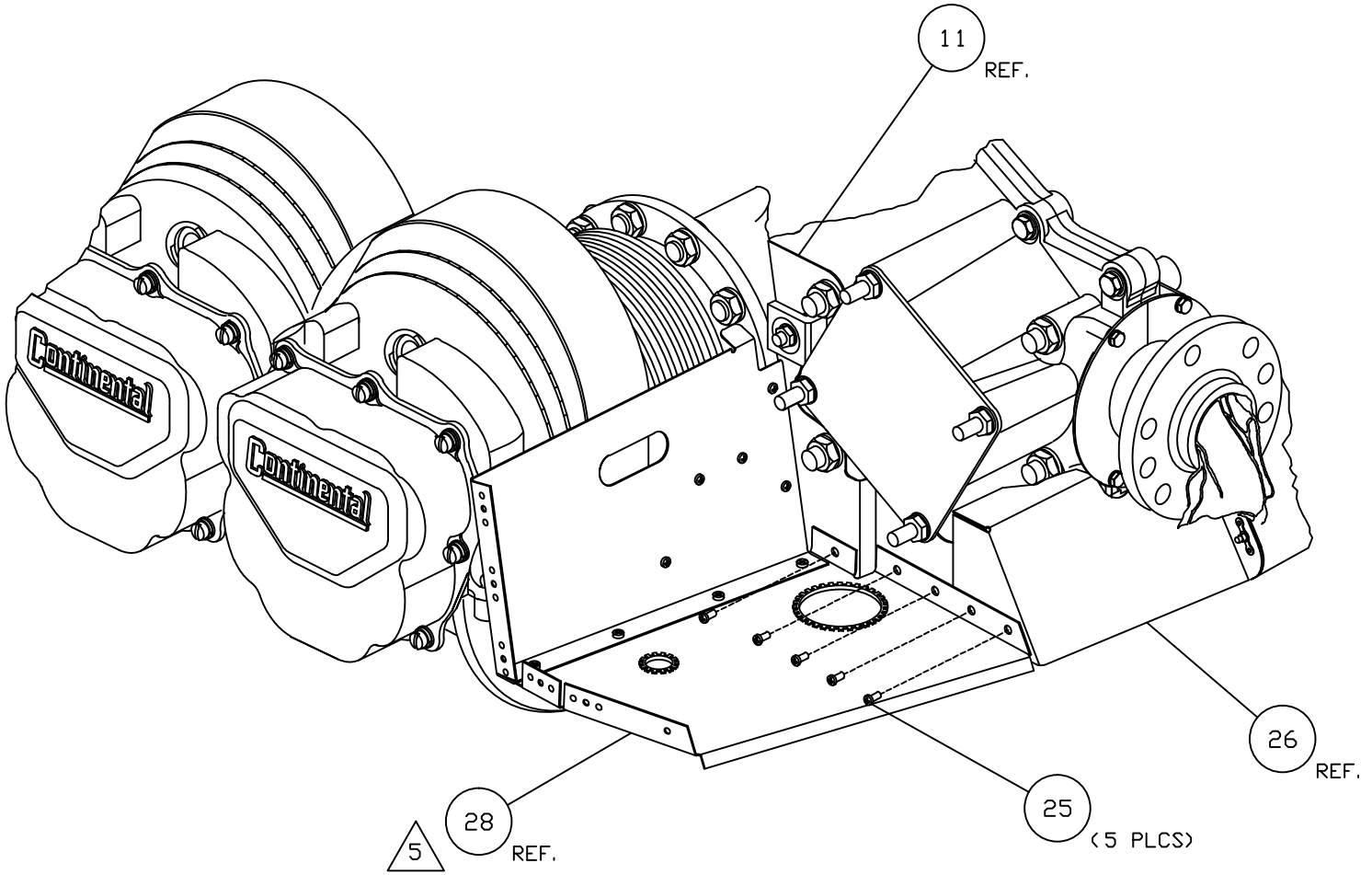


ITEM (26) IS REFERENCED ON DWG. DSP-IM95-1-12
SH. 1 OF 1

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 B
SCALE: NONE	DATE 04/24/09 | SH 5 OF 7

NOTES:

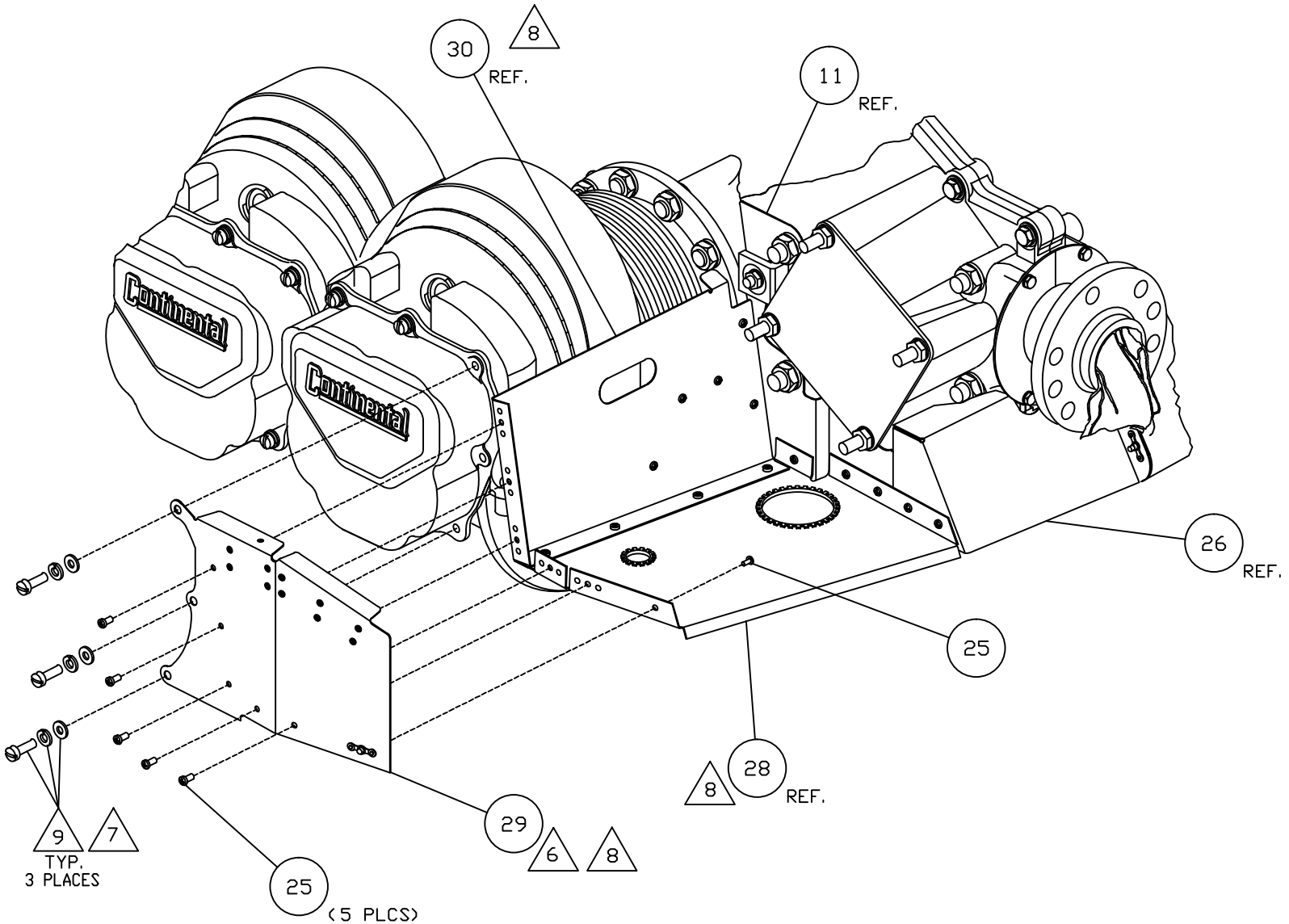
4 INSTALL ITEM (28) TO ITEM (30) AS SHOWN, USING ITEM (25). DO NOT TIGHTEN.



NOTES:

5 SECURE ITEM (28) TO ITEMS (26) AND (11) USING ITEM (25). DO NOT TIGHTEN.

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 B
SCALE: NONE	DATE 04/24/09 SH 6 OF 7



NOTES:

9 ORIGINAL HARDWARE (FOR TORQUE VALUES SEE BEECHCRAFT MANUALS).

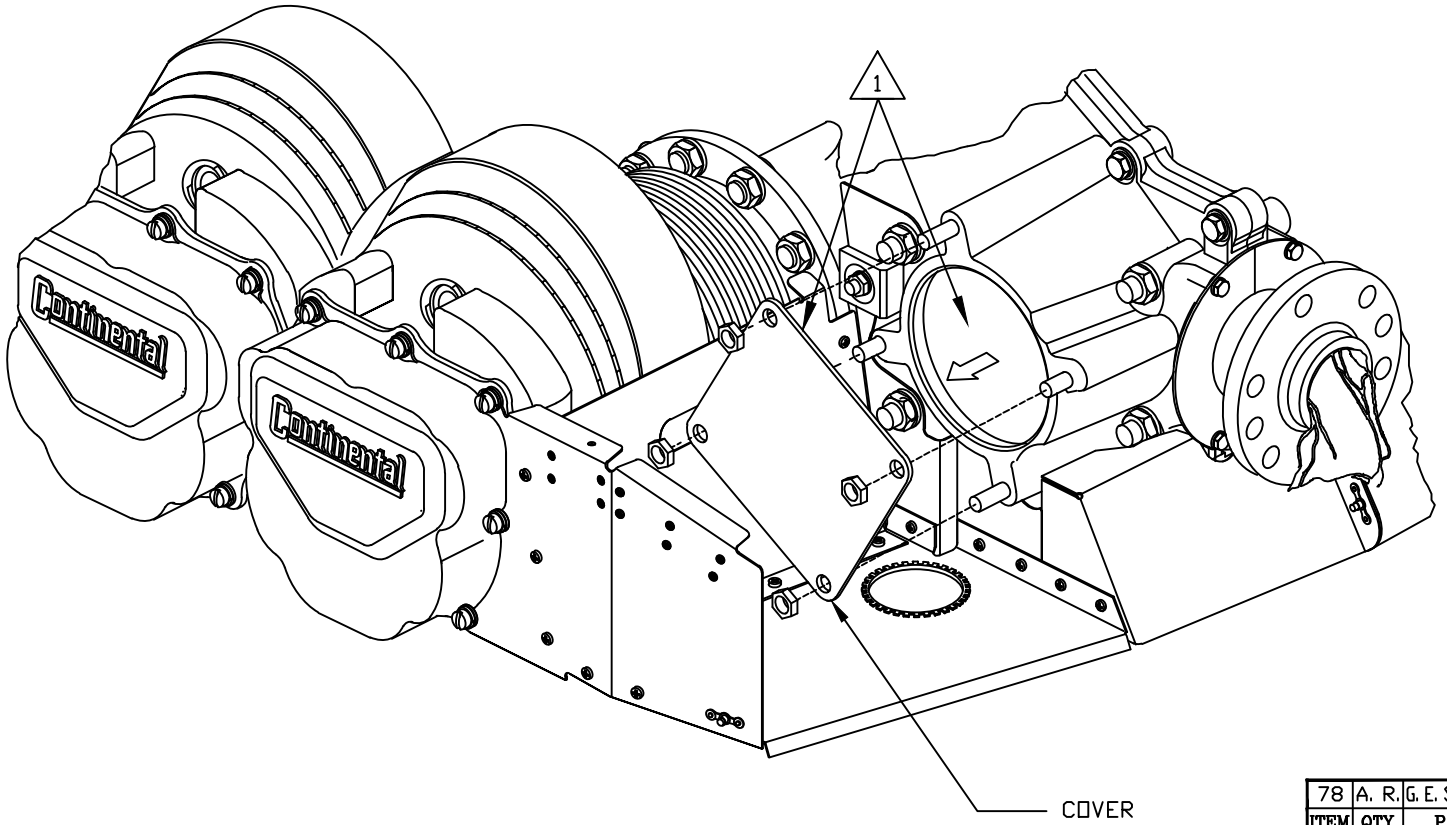
8 TIGHTEN ALL REMAINING SCREWS ITEM (25) TO COMPLETE INSTALLATION.

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.

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 B
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



NOTES:

1. REMOVE ALTERNATOR COVER PLATE IF INSTALLED PRIOR TO REINSTALLING THE ALTERNATOR IN ITS ORIGINAL POSITION.

78	A. R.	G. E. SILICONE II	SILICONE SEALANT
ITEM	QTY	PART No.	DESCRIPTION

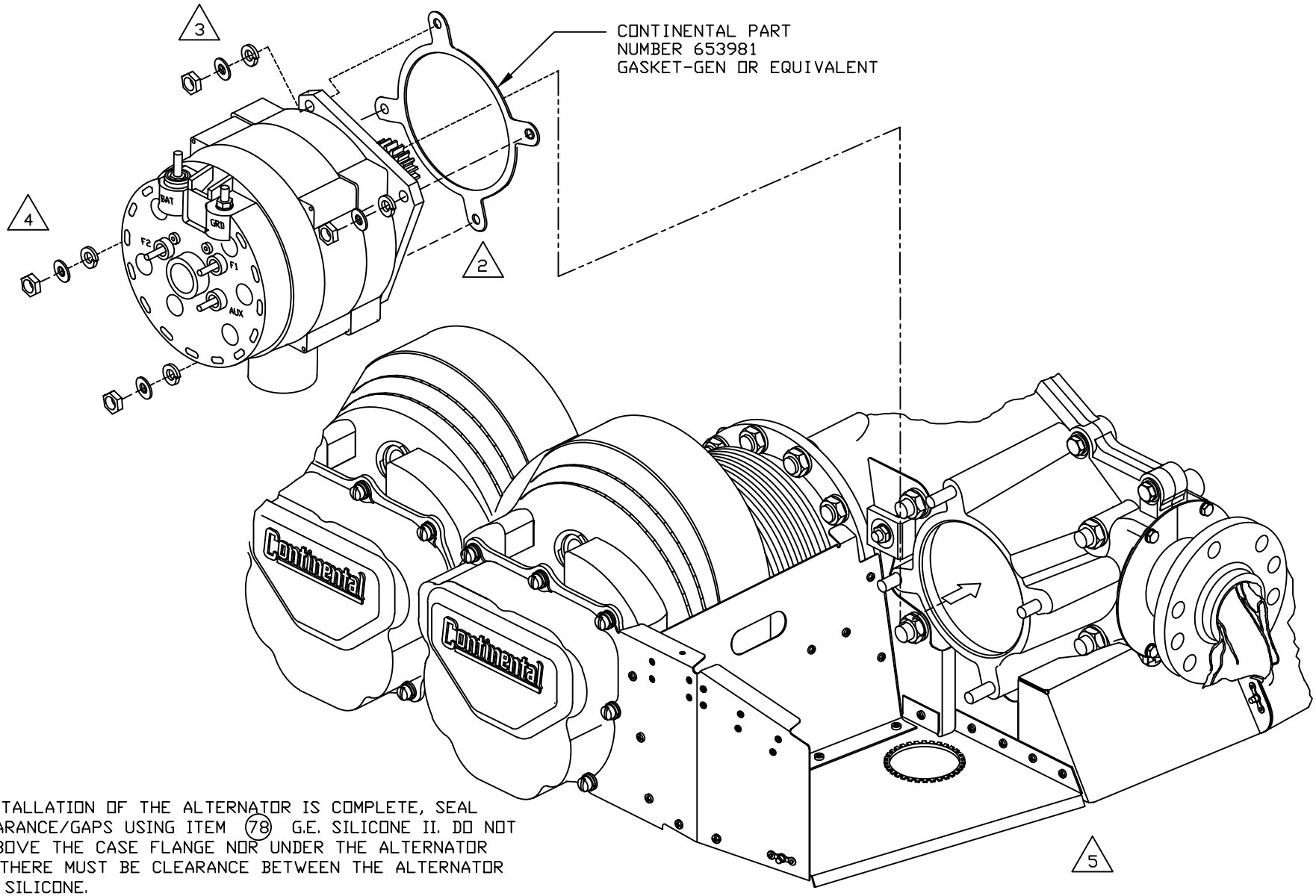
NEXT ASSY:
DRAWN BY: K. R. S.
ENGINEER: D. BRAUN
CHECKED BY: D. B.

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 A
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.

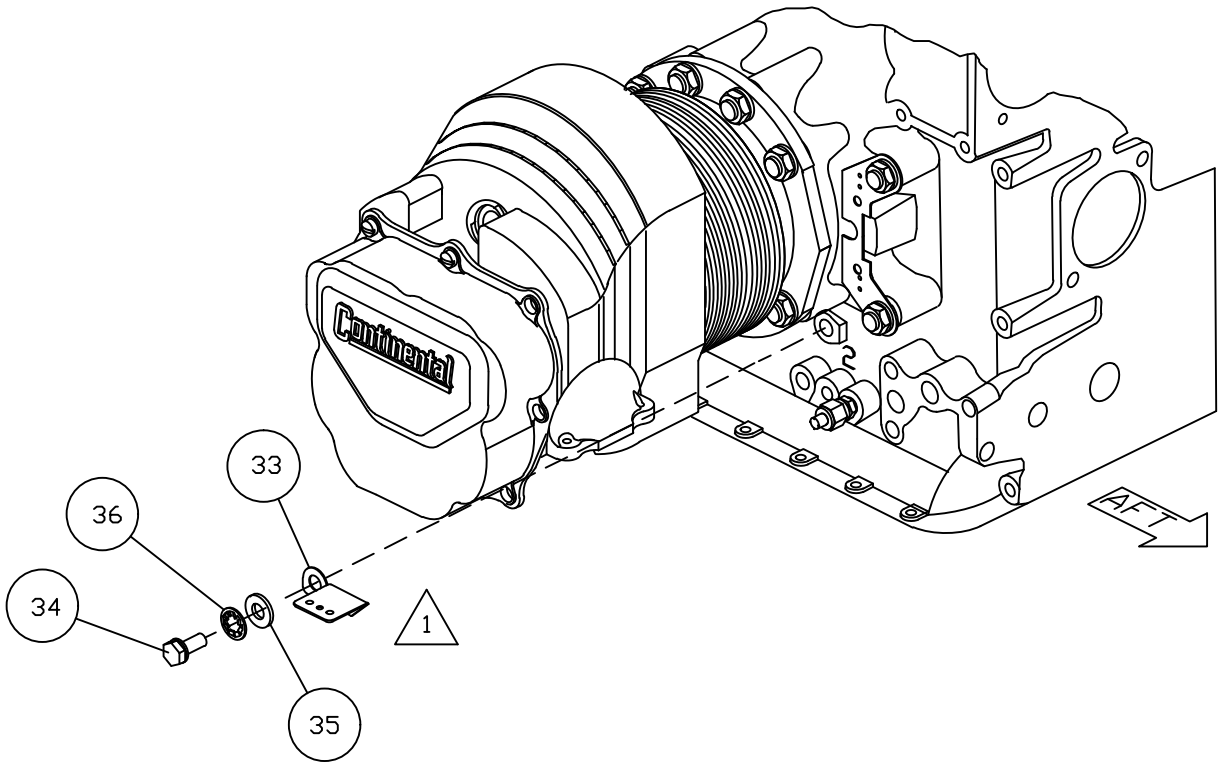
3 ALTERNATOR SHOWN IS ONE OF MANY POSSIBLE CONFIGURATIONS.

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 A
	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



ITEM	QTY	PART No.	DESCRIPTION
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

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

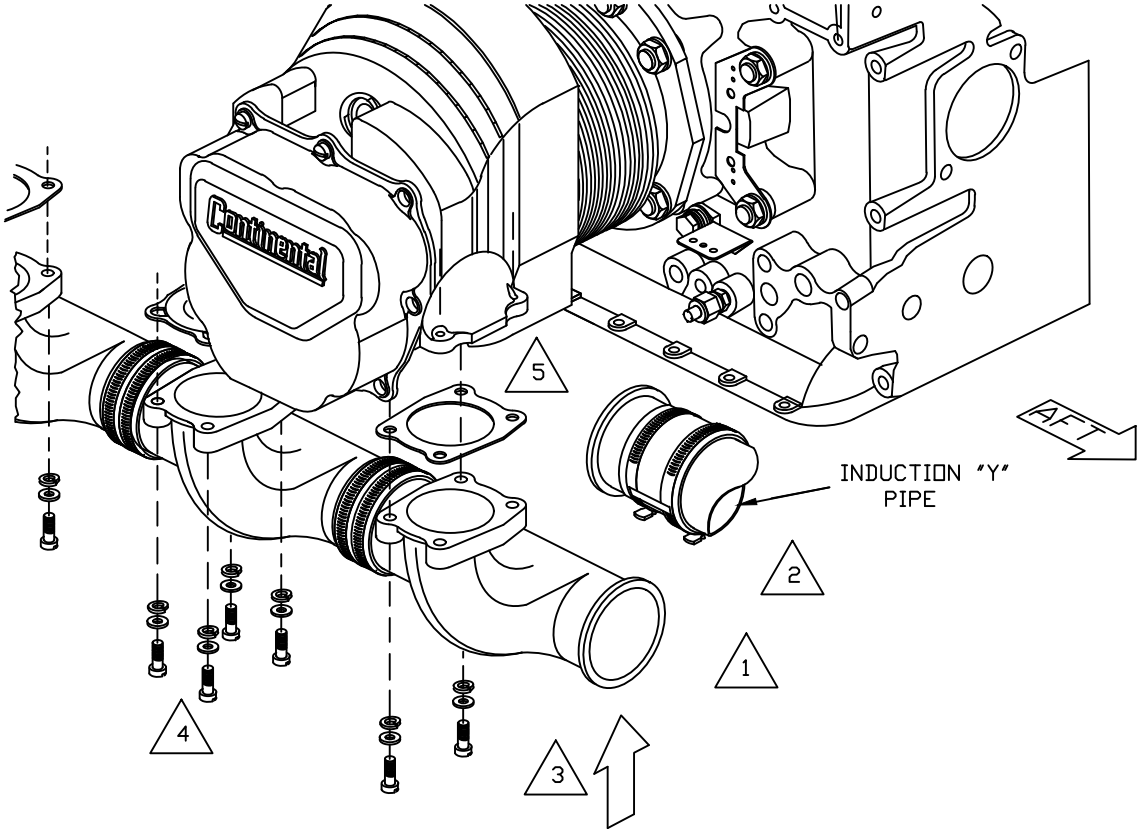
D'SHANNON PRODUCTS, LTD

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

NOTES:

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).

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



NOTES:

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

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

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.

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

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

ITEM	QTY	PART No.	DESCRIPTION

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

REINSTALL INTAKE PIPE LEFT SIDE

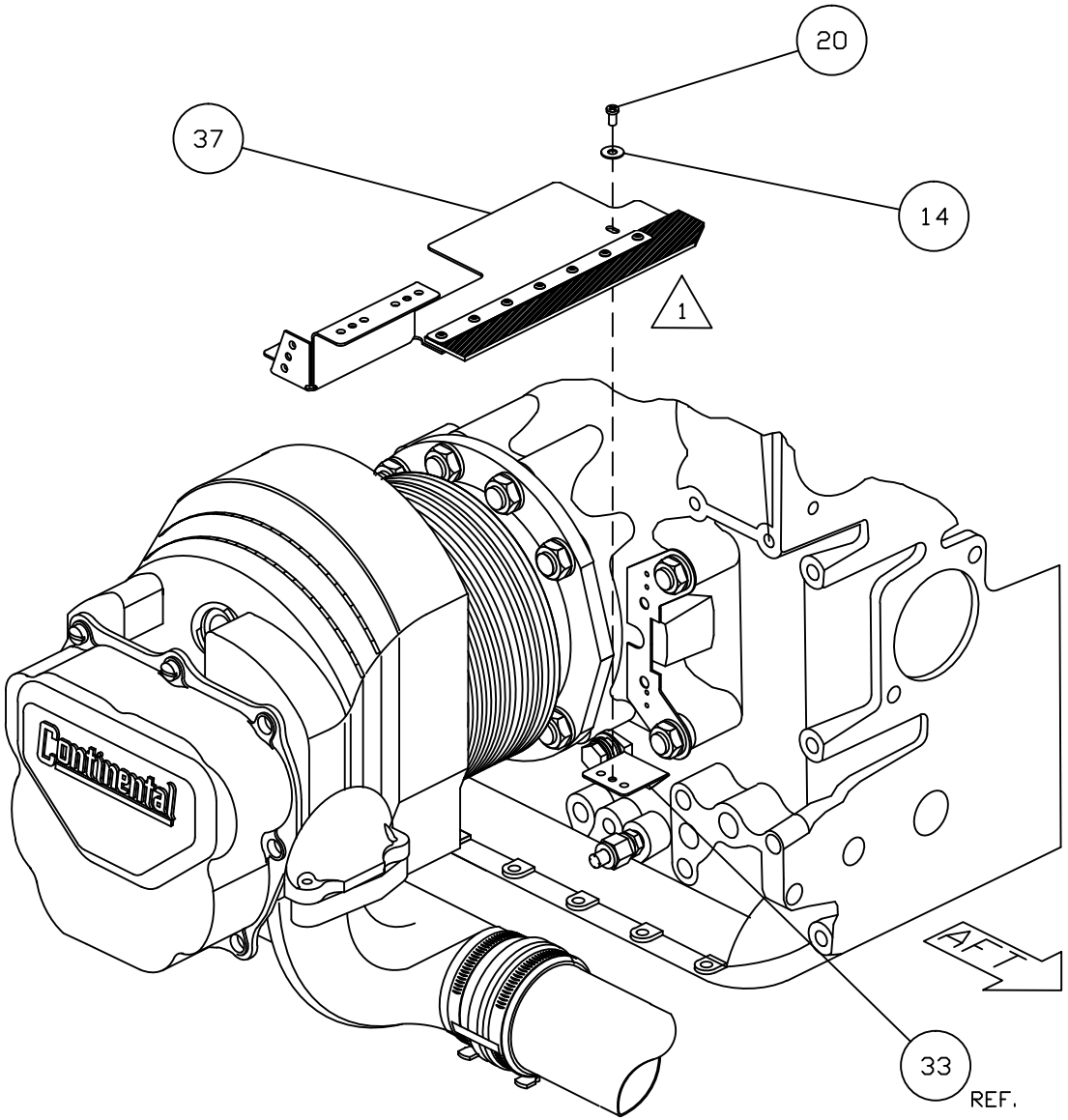
TOLERANCES
.X__.10 .XXX__.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

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.

ITEM	QTY	PART No.	DESCRIPTION
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

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

INSTALLATION OF REAR #2 BAFFLE

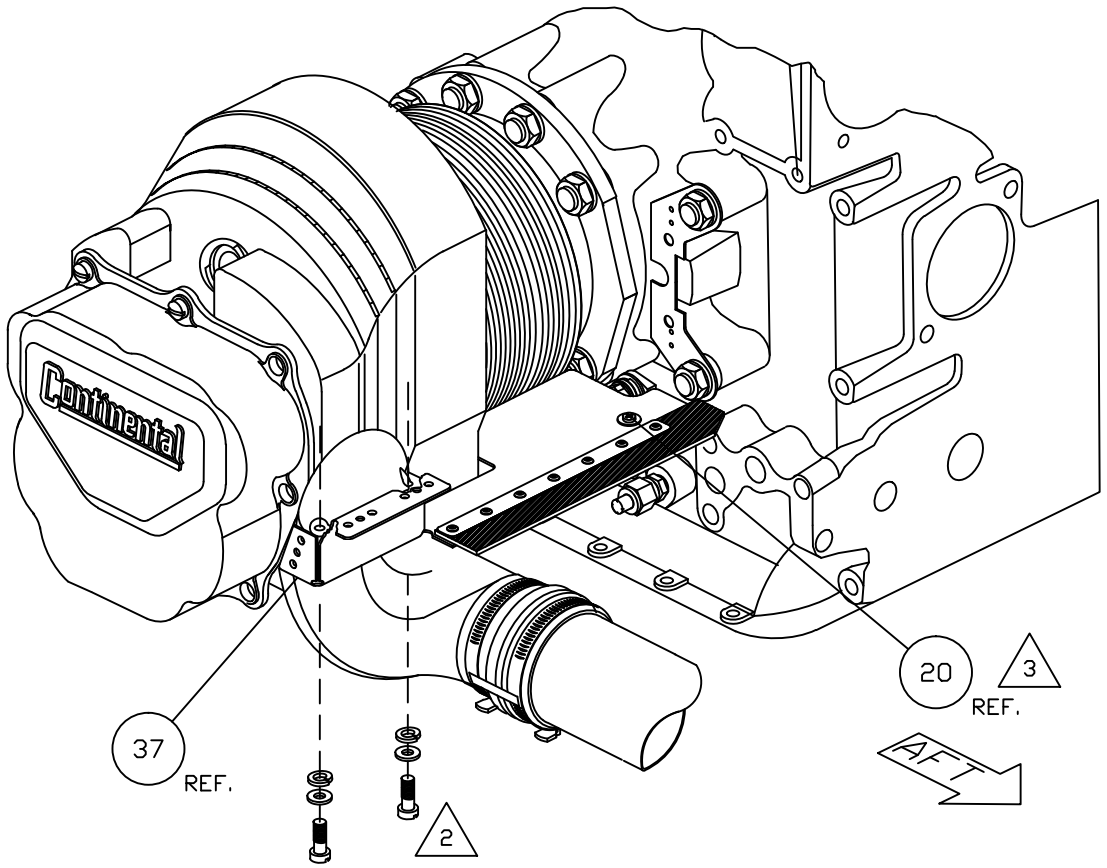
TOLERANCES
.X__.10 .XXX__.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

D'SHANNON PRODUCTS, LTD

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

NOTES:

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).

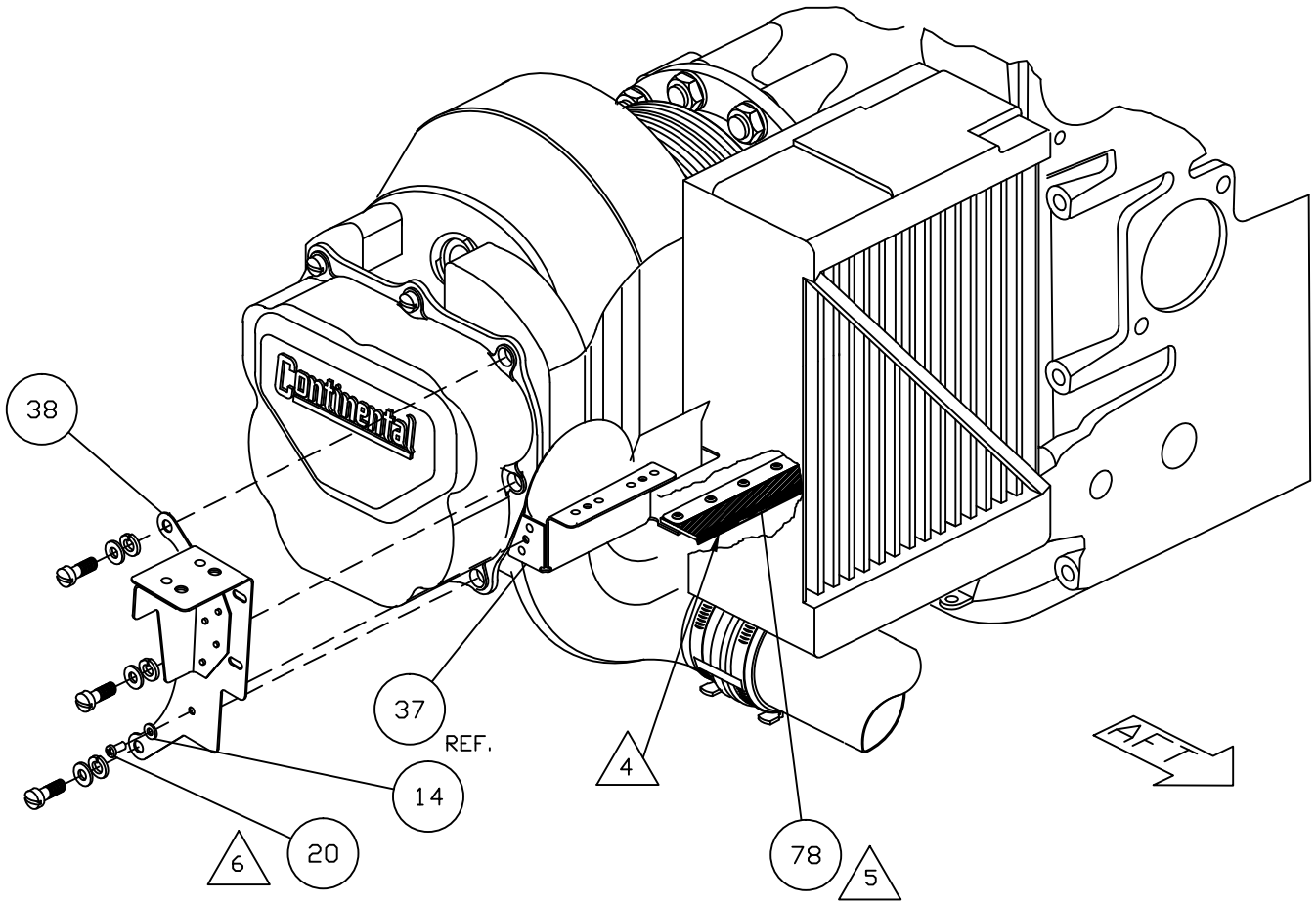


3 TIGHTEN ITEM (20).

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



NOTES:

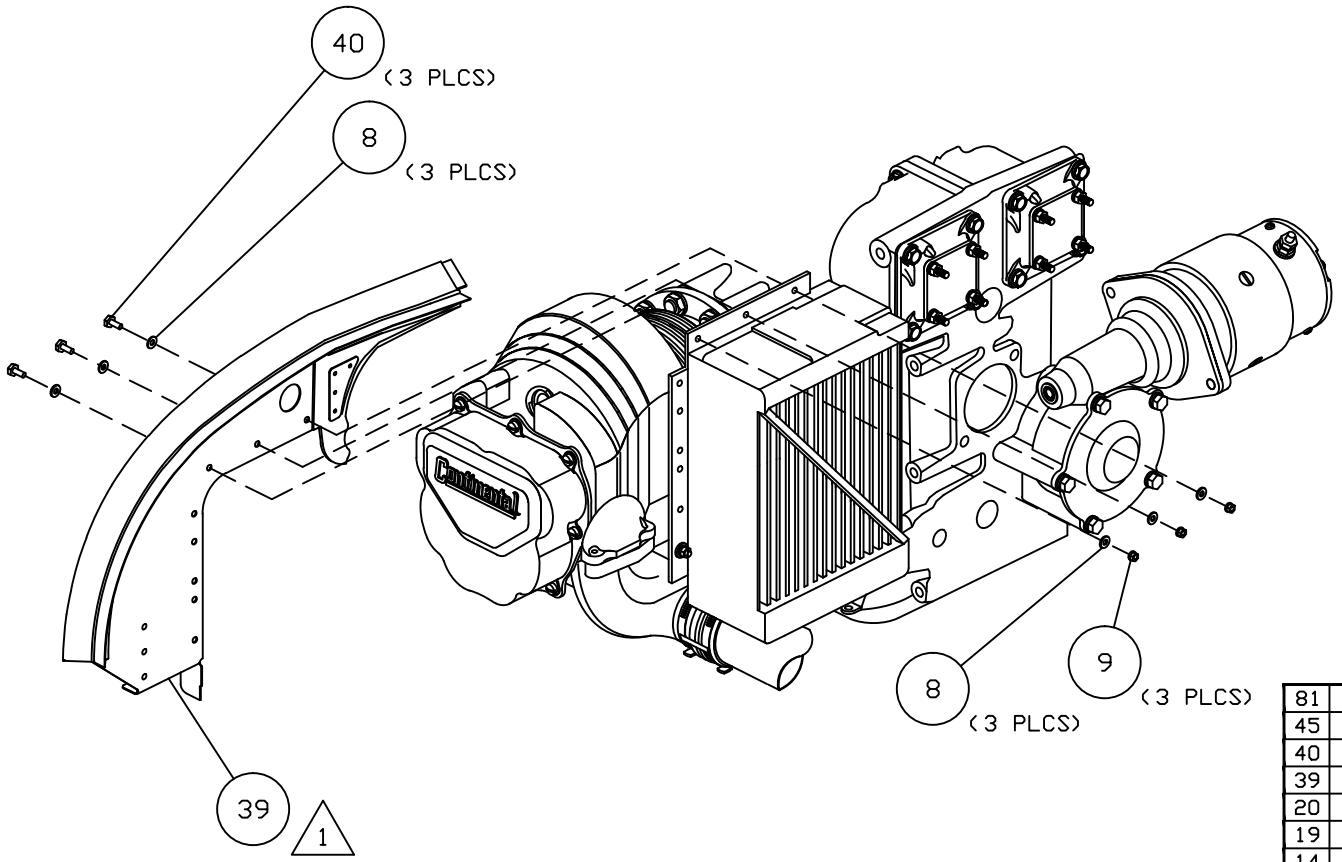
6 INSTALL ITEM (38) TO THE ROCKER COVER USING ORIGINAL HARDWARE AS SHOWN ON DRAWING AND TIGHTEN AS PER CONTINENTAL TORQUE SPECIFICATIONS. USING ITEMS (20) & (14), SCREW THROUGH ITEM (38) THROUGH ITEM (37).

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.

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	D. B.	11/06/09
A	USE CANTED KIT MOUNTING HARDWARE.	D. B.	03/25/11



ITEM	QTY	PART No.	DESCRIPTION
81	1	SBR-011	REINFORCE BAFFLE REAR
45	1	AN931-12-17	GROMMET
40	8	AN3-5A	BOLT UNDRILLED #10-32
39	1	SBR-A01	BAFFLE REAR STRAIGHT LEFT ASSEMBLY
20	4	MS35206-227	PAN HEAD MACHINE SCREW
19	2	AN3-3A	BOLT UNDRILLED #10-32
14	4	AN960C6	FLAT WASHER
9	10	MS21042-3	REDUCED DIMENSION LOCKNUT
8	20	AN960-10	FLAT WASHER

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

INSTALLATION BAFFLE REAR LEFT

TOLERANCES
.X__.10 .XXX__.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

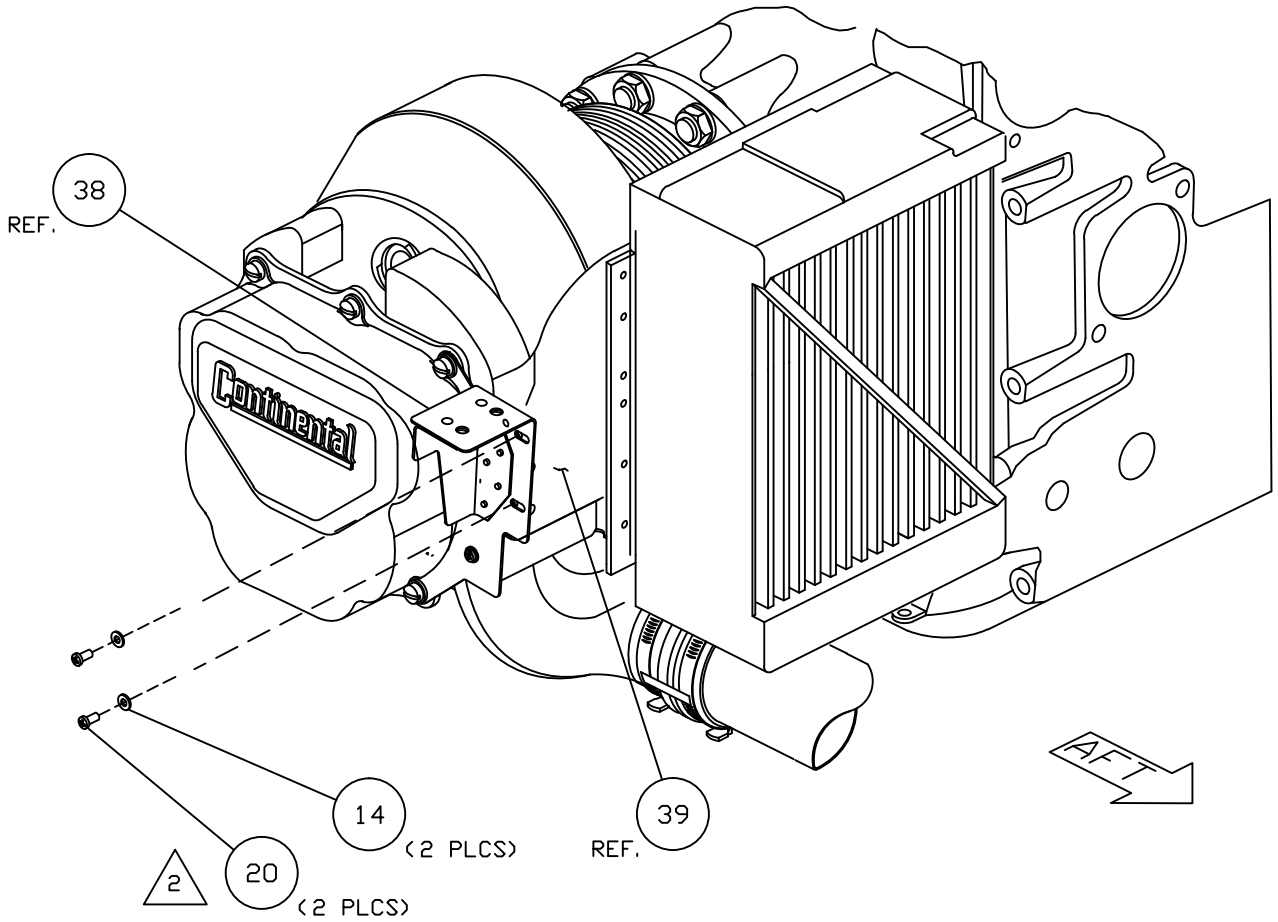
D'SHANNON PRODUCTS, LTD

DWG. No. DSP-IM96-1-19 | REVISION A

SCALE: NONE | DATE 11/06/09 | SH 1 OF 4

NOTES:

1. 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).

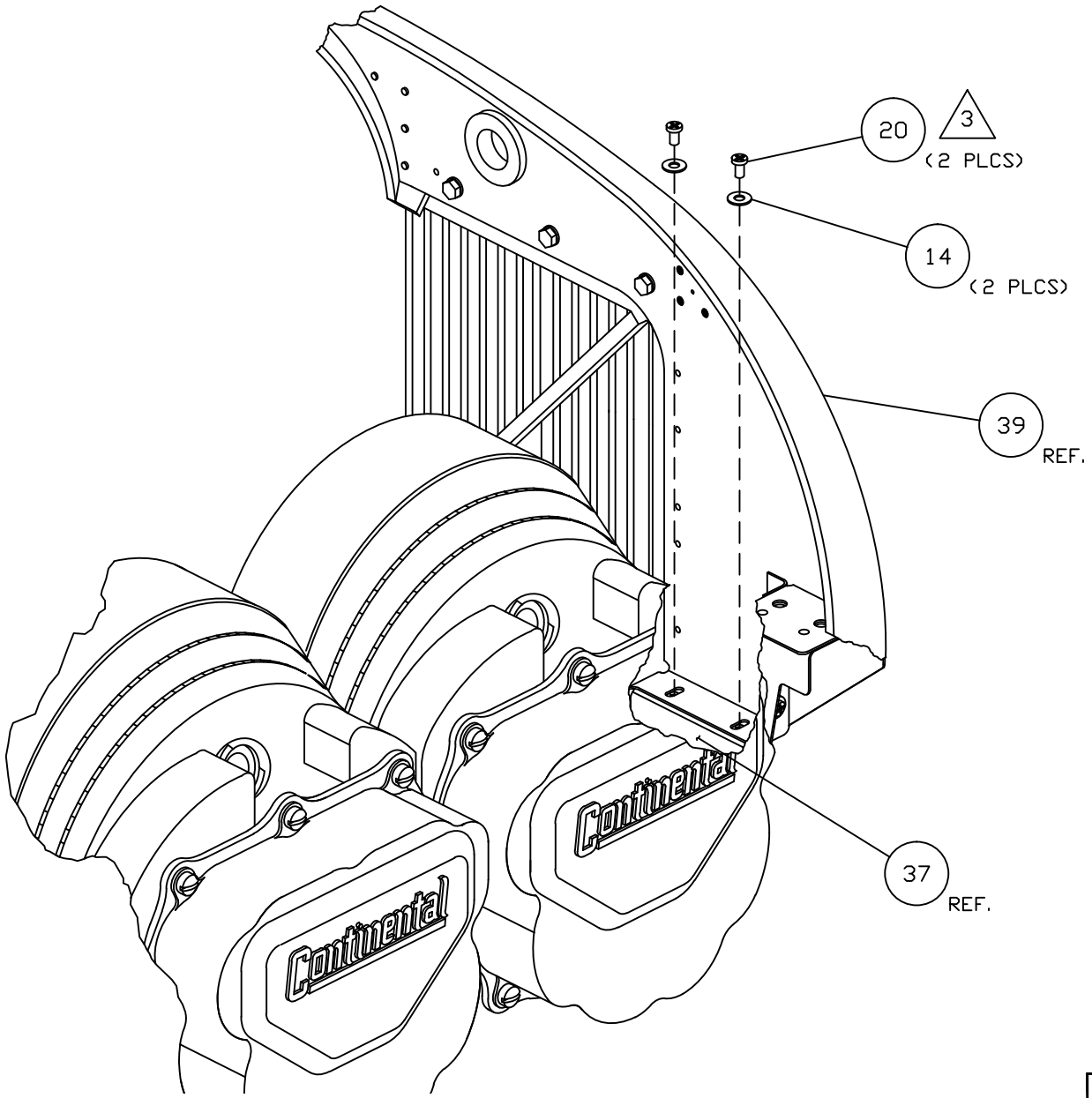


ITEM (38) REFERENCED ON DWG. DSP-IM95-1-18, SH 3 OF 3.

NOTES:

2 INSTALL ITEMS (20), (14) THROUGH ITEM (38) AND (39), TIGHTEN.

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	INSTALLATION BAFFLE REAR LEFT
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	*D'SHANNON PRODUCTS, LTD*
DWG. No. DSP-IM96-1-19	REVISION A
SCALE: NONE	DATE 11/06/09 | SH 2 OF 4

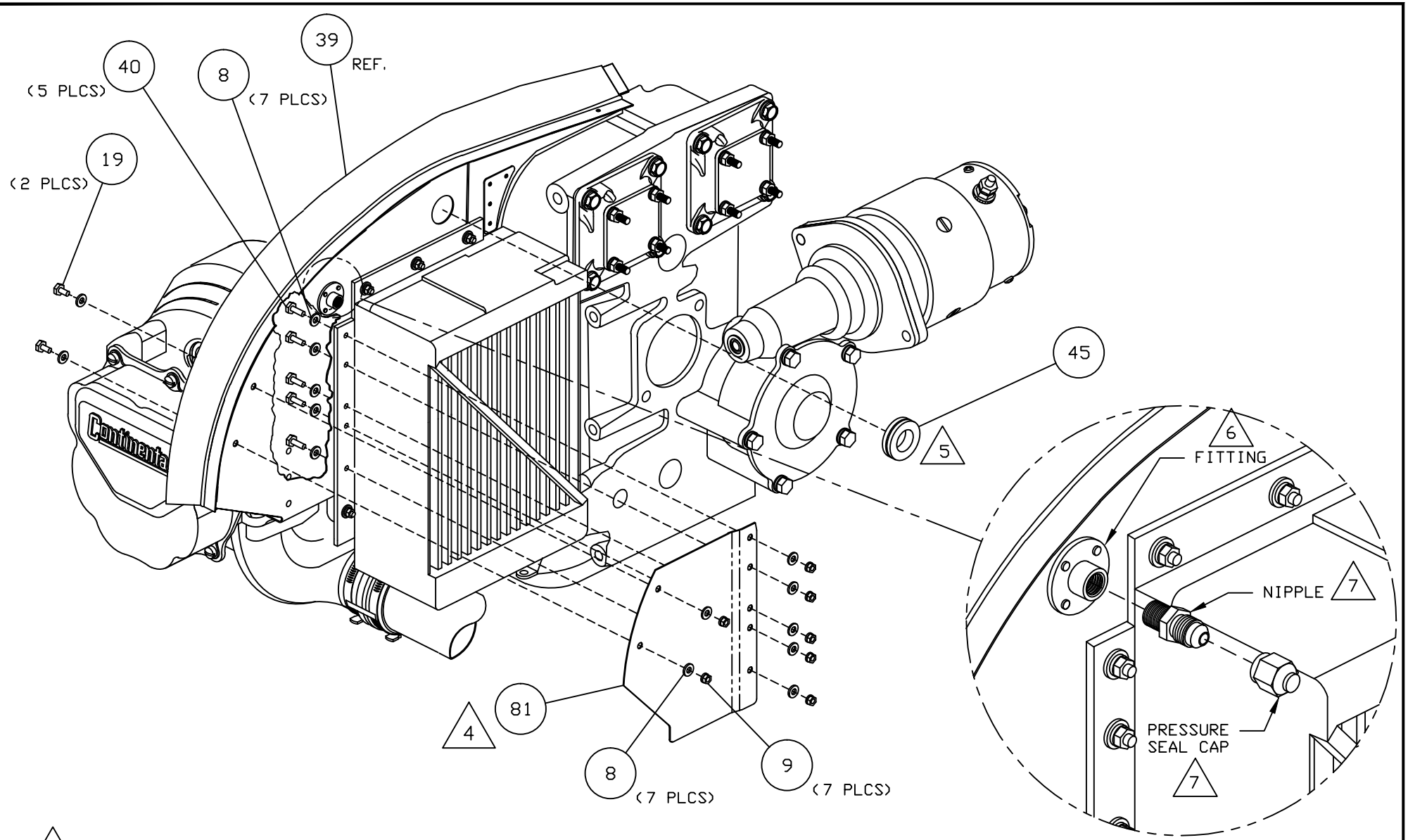


ITEM (37) REFERENCED ON DWG. DSP-IM95-1-18, SH 1 OF 3.

NOTES:

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

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	INSTALLATION BAFFLE REAR LEFT
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	*D'SHANNON PRODUCTS, LTD*
	DWG. No. DSP-IM96-1-19 REVISION A
	SCALE: NONE DATE 11/06/09 SH 3 OF 4



NOTES:

4. INSTALL ITEM (81) TO ITEM (39) USING ITEMS (8), (9), (19) AND (40). TIGHTEN.

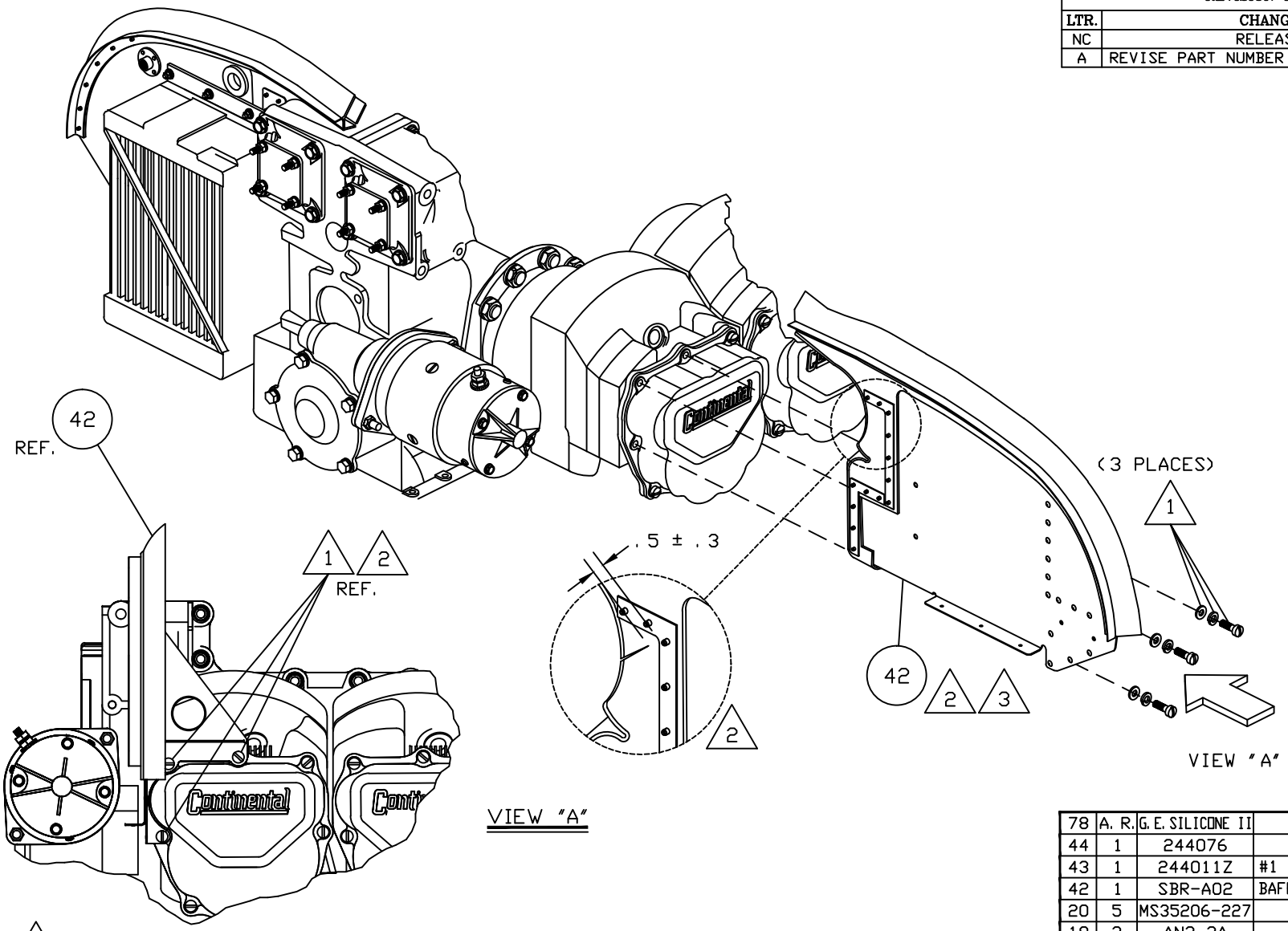
5 INSTALL GROMMET ITEM (45) ON ITEM (39) AS SHOWN.

6 IF REQUIRED, LOCATE FITTING FROM ORIGINAL BAFFLE AND MARK FOUR MOUNTING HOLES AND ONE PRESSURE HOLE. INSTALL WITH FOUR MS20470AD4-5 SOLID RIVETS (NOT SUPPLIED IN KIT).

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

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	INSTALLATION BAFFLE REAR LEFT
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	*D'SHANNON PRODUCTS, LTD*
	DWG. No. DSP-IM96-1-19 REVISION A
	SCALE: NONE DATE 11/06/09 SH 4 OF 4

REVISION RECORD			
LTR.	CHANGES	BY	DATE
NC	RELEASED	D. B.	11/06/09
A	REVISE PART NUMBER FOR REAR BAFFLE	D. B.	03/25/11



3 USE SBR-A02-1 AS AN OPTION FOR ITEM (42).

2 INSTALL ITEM (42) ON ENGINE USING ORIGINAL ROCKER COVER HARDWARE AS GUIDE. ALSO SEE NOTE 4 FOR INSTALLATION ADVICE. TIGHTEN PER CONTINENTAL MANUAL TORQUE VALUES. TRIM SEAL WITH CORNER CUT AS SHOWN IN INSET IF NEEDED TO CLEAR AIR CONDITIONER BRACKET. FILL GAP WITH ITEM (78) G.E. SILICONE II SEALANT.

1 ORIGINAL HARDWARE.

NOTES:

ITEM	QTY	PART No.	DESCRIPTION
78	A. R.	G. E. SILICONE II	SILICONE SEALANT
44	1	244076	STARTER STUD BRACKET
43	1	244011Z	#1 CYLINDER LOWER FWD. BAFFLE ASSY
42	1	SBR-A02	BAFFLE REAR STRAIGHT RIGHT ASSEMBLY
20	5	MS35206-227	PAN HEAD MACHINE SCREW
19	2	AN3-3A	BOLT UNDRILLED #10-32
9	2	MS21042-3	REDUCED DIMENSION LOCKNUT
8	4	AN960-10	FLAT WASHER

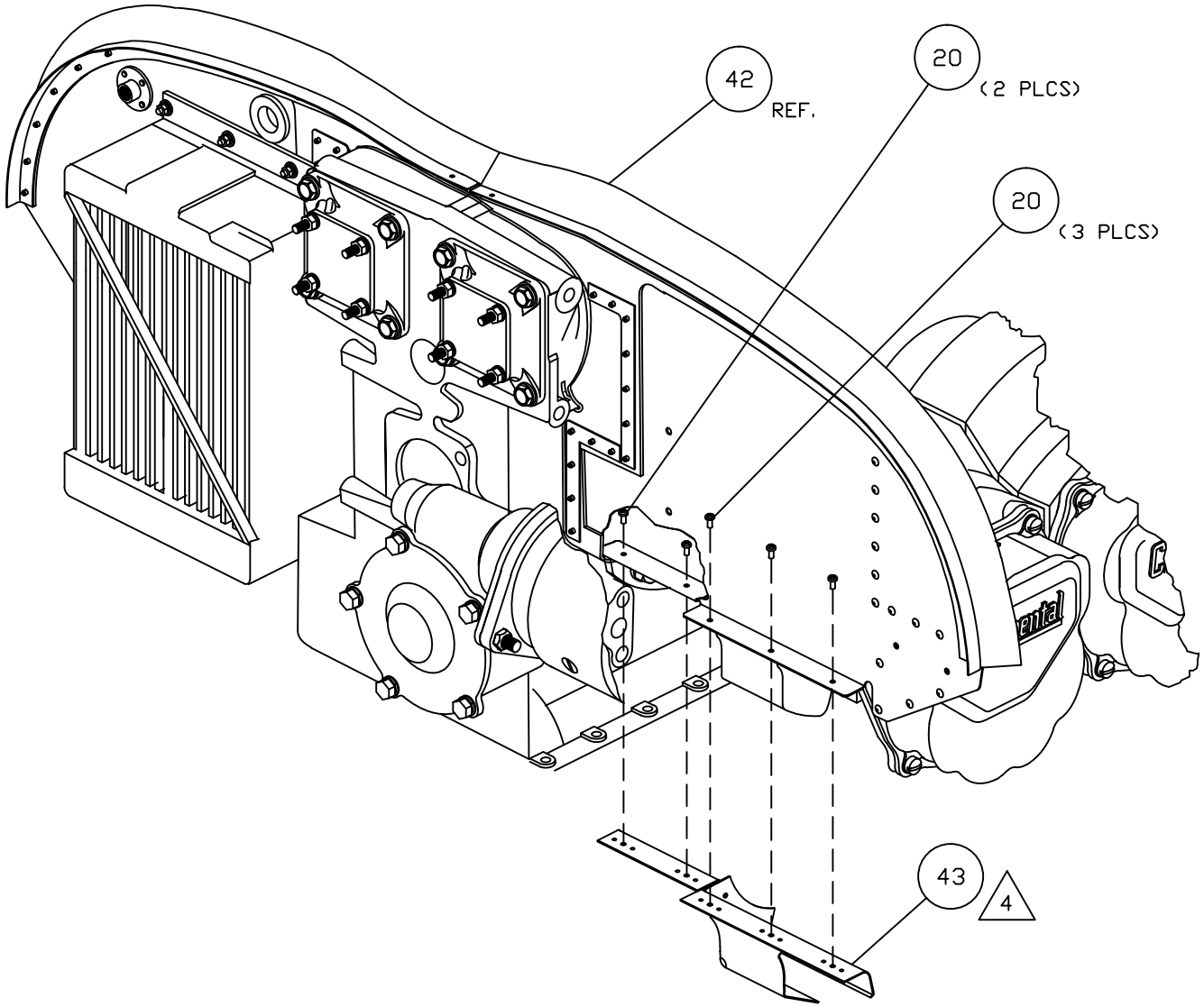
NEXT ASSY:
DRAWN BY: D. B.
ENGINEER: D. BRAUN
CHECKED BY: D. B.

INSTALLATION BAFFLE REAR RIGHT

TOLERANCES
.X__.10 .XXX__.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

D'SHANNON PRODUCTS, LTD

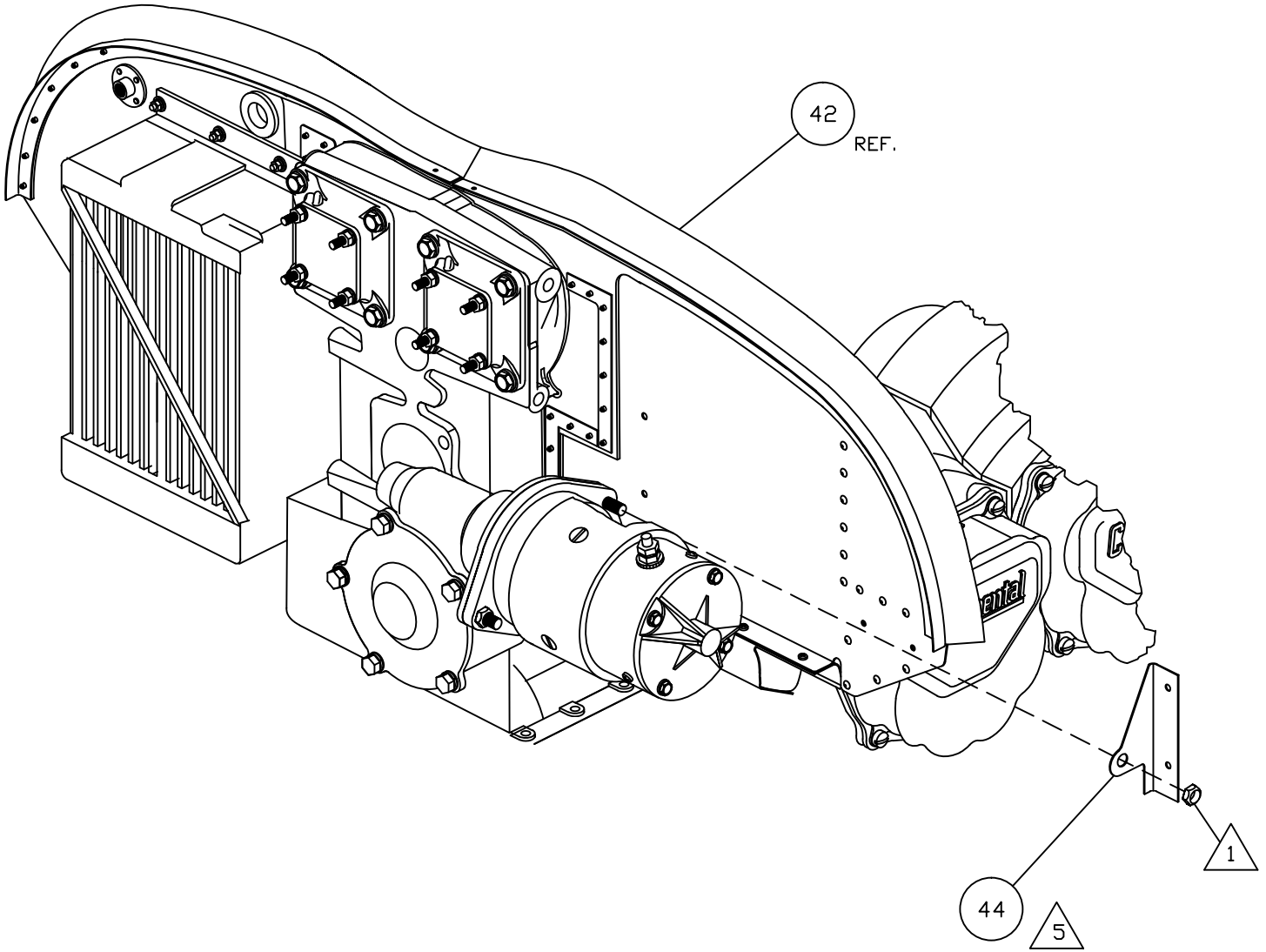
DWG. No. DSP-IM96-1-20 | REVISION A
SCALE: NONE | DATE 11/06/09 | SH 1 OF 4



4 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: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	INSTALLATION BAFFLE REAR RIGHT
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	*D'SHANNON PRODUCTS, LTD*
	DWG. No. DSP-IM96-1-20 REVISION A
	SCALE: NONE DATE 11/06/09 SH 2 OF 4

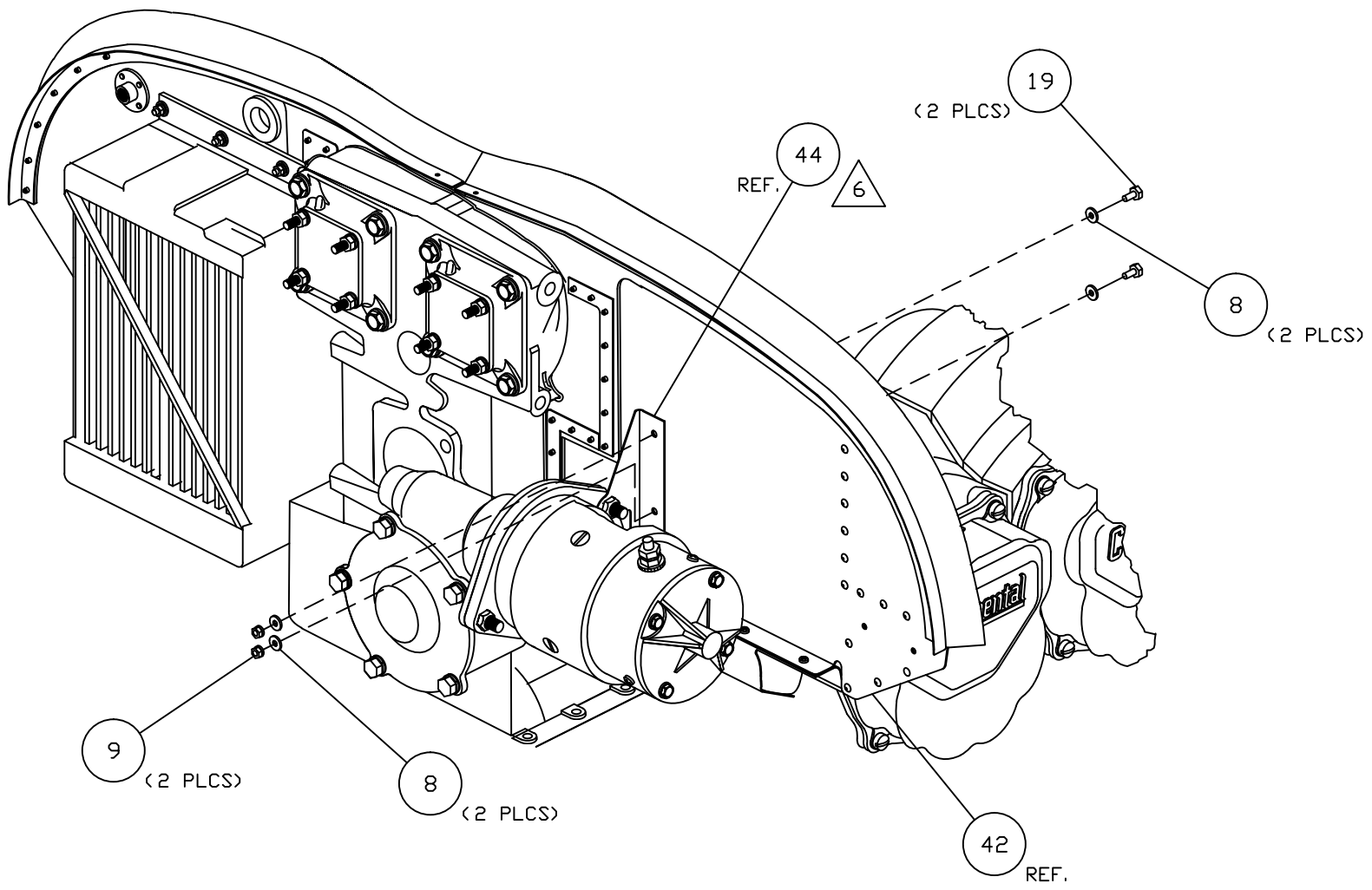


NOTES:

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

1 ORIGINAL HARDWARE.

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	INSTALLATION BAFFLE REAR RIGHT
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	*D'SHANNON PRODUCTS, LTD*
DWG. No. DSP-IM96-1-20	REVISION A
SCALE: NONE	DATE 11/06/09 SH 3 OF 4

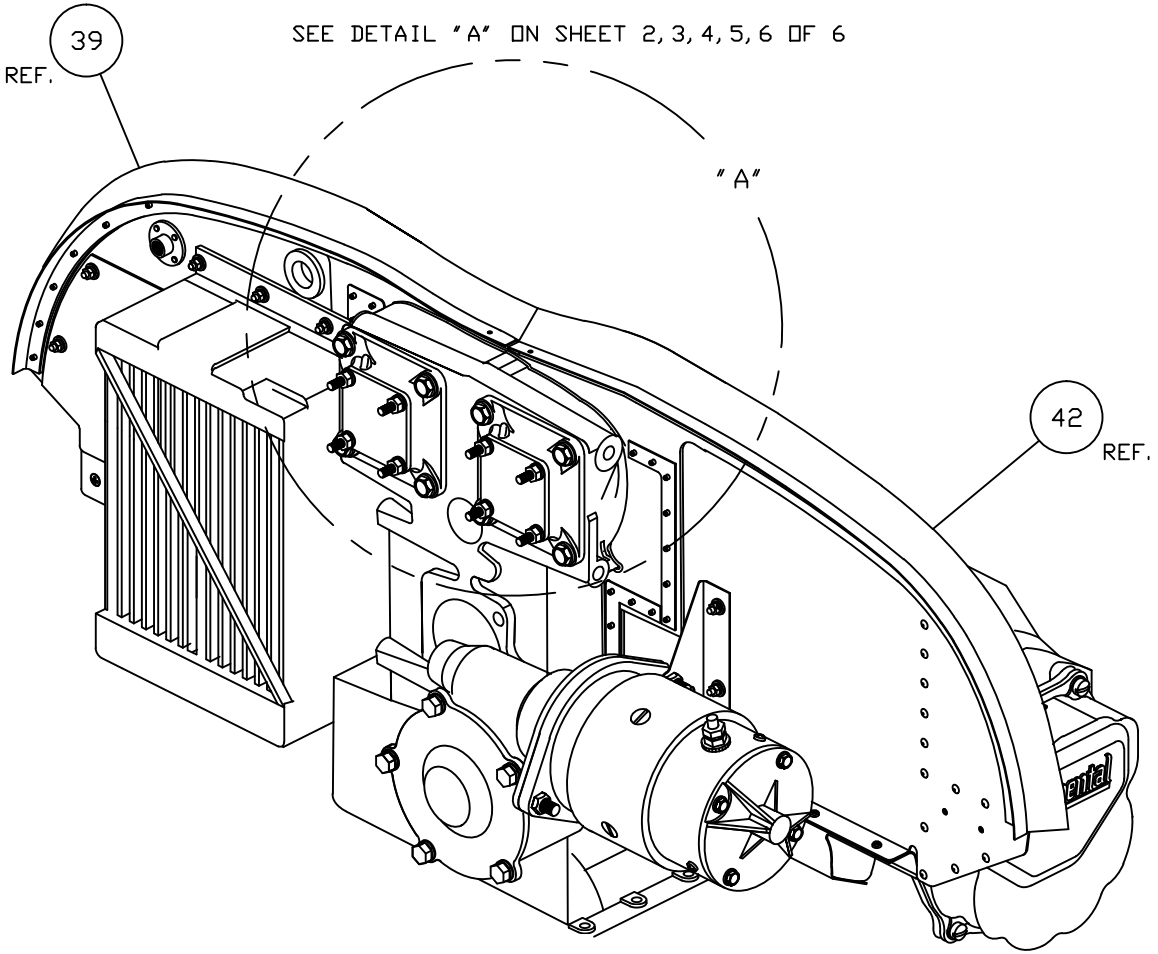


NOTES:

6. ALIGN HOLES IN ITEM (44) WITH HOLES ON ITEM (42) AND FASTEN USING ITEMS (9), (8) AND (19). TIGHTEN.

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	INSTALLATION BAFFLE REAR RIGHT
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	*D'SHANNON PRODUCTS, LTD*
	DWG. No. DSP-IM96-1-20 REVISION A
	SCALE: NONE DATE 11/06/09 SH 4 OF 4

REVISION RECORD			
LTR.	CHANGES	BY	DATE
NC	RELEASED	D. B.	11/06/09
A	CORRECT BOM OF RETAINERS	D. B.	03/25/11



ITEM (42) IS REFERENCED FROM DWG. DSP-IM96-1-20 SH. 1 OF 4.

ITEM (39) IS REFERENCED FROM DWG. DSP-IM96-1-19 SH. 1 OF 4.

ITEM	QTY	PART No.	DESCRIPTION
20	2	MS35206-227	PAN HEAD MACHINE SCREW
15	8	MS21042-06	REDUCED DIMENSION LOCK NUT
48	6	AN526C632R8	TRUSS HEAD MACHINE SCREW
47	1	SBR-015	REAR RETAINER REAR BAFFLE
46	1	SBR-014	FRONT RETAINER REAR BAFFLE

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

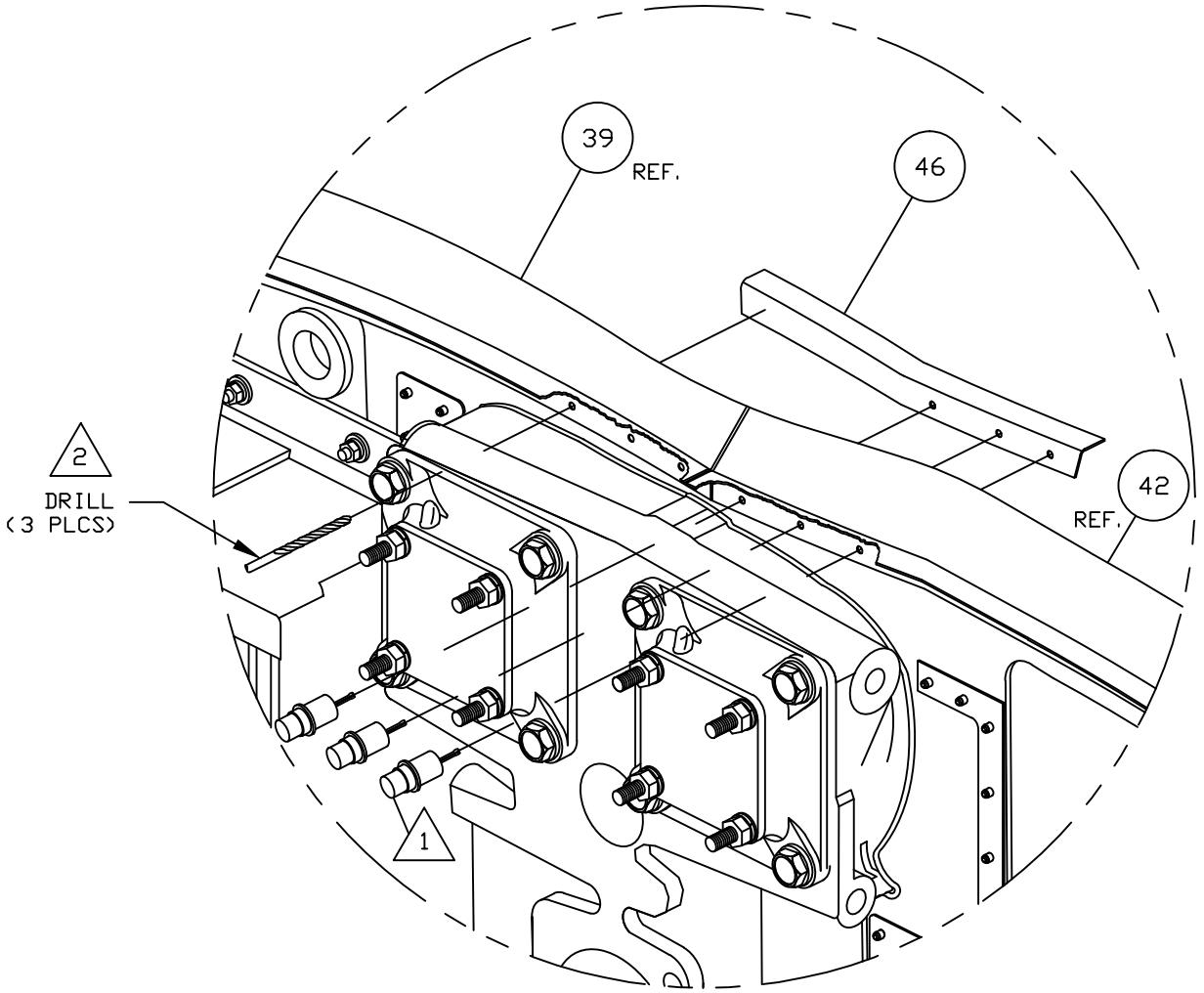
INSTL OF CENTER BRACKET REAR

TOLERANCES
.X__.10 .XXX__.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

D'SHANNON PRODUCTS, LTD

DWG. No. DSP-IM96-1-21 | REVISION A

SCALE: NONE | DATE 11/06/09 | SH 1 OF 6



DETAIL "A"

COMES FROM SHEET 1 OF 6

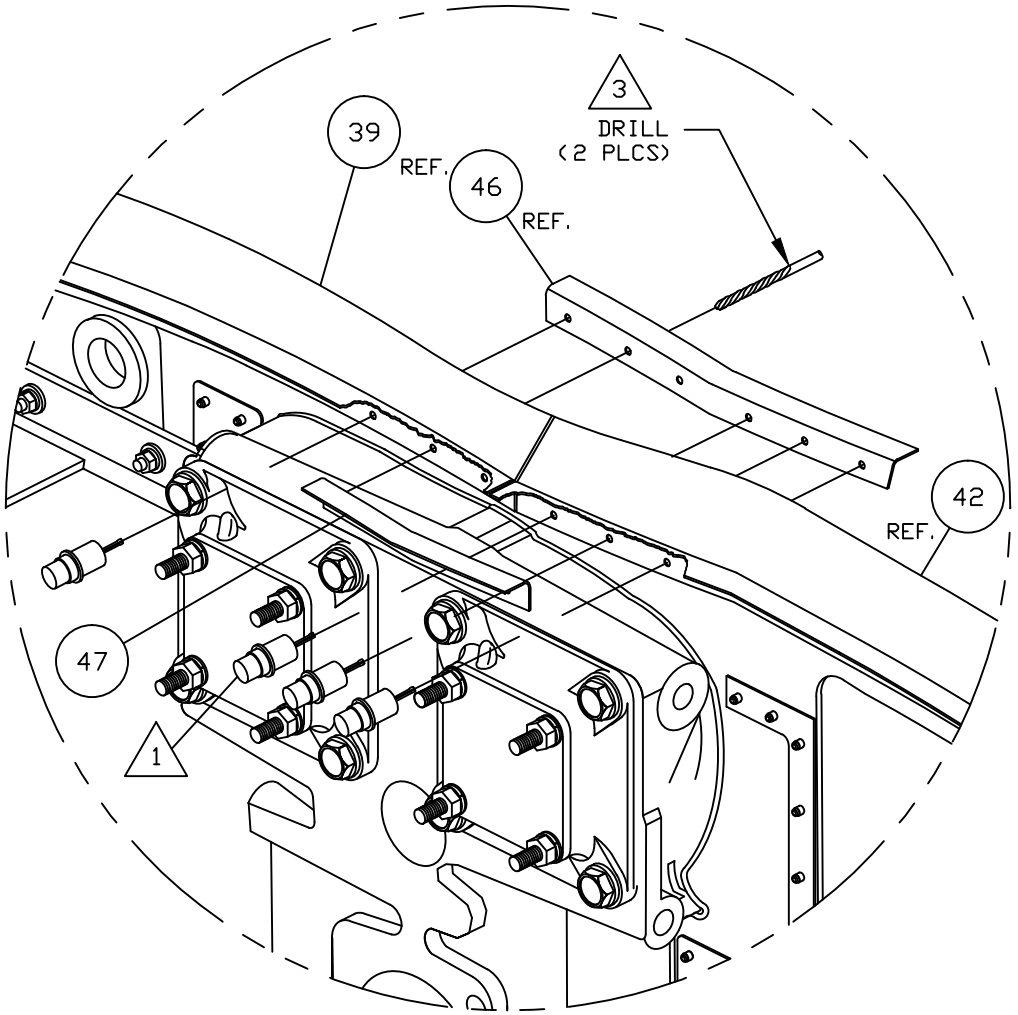
STEP 1

NOTES:

2 RUN NO. 29 DRILL THROUGH THREE HOLES FROM ITEM (39) TO ITEM (46). CLECO AS SHOWN.

1 CLECO.

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	INSTL OF CENTER BRACKET REAR
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	*D'SHANNON PRODUCTS, LTD*
	DWG. No. DSP-IM96-1-21 REVISION A
	SCALE: NONE DATE 11/06/09 SH 2 OF 6



DETAIL "A"

COMES FROM SHEET 1 OF 6

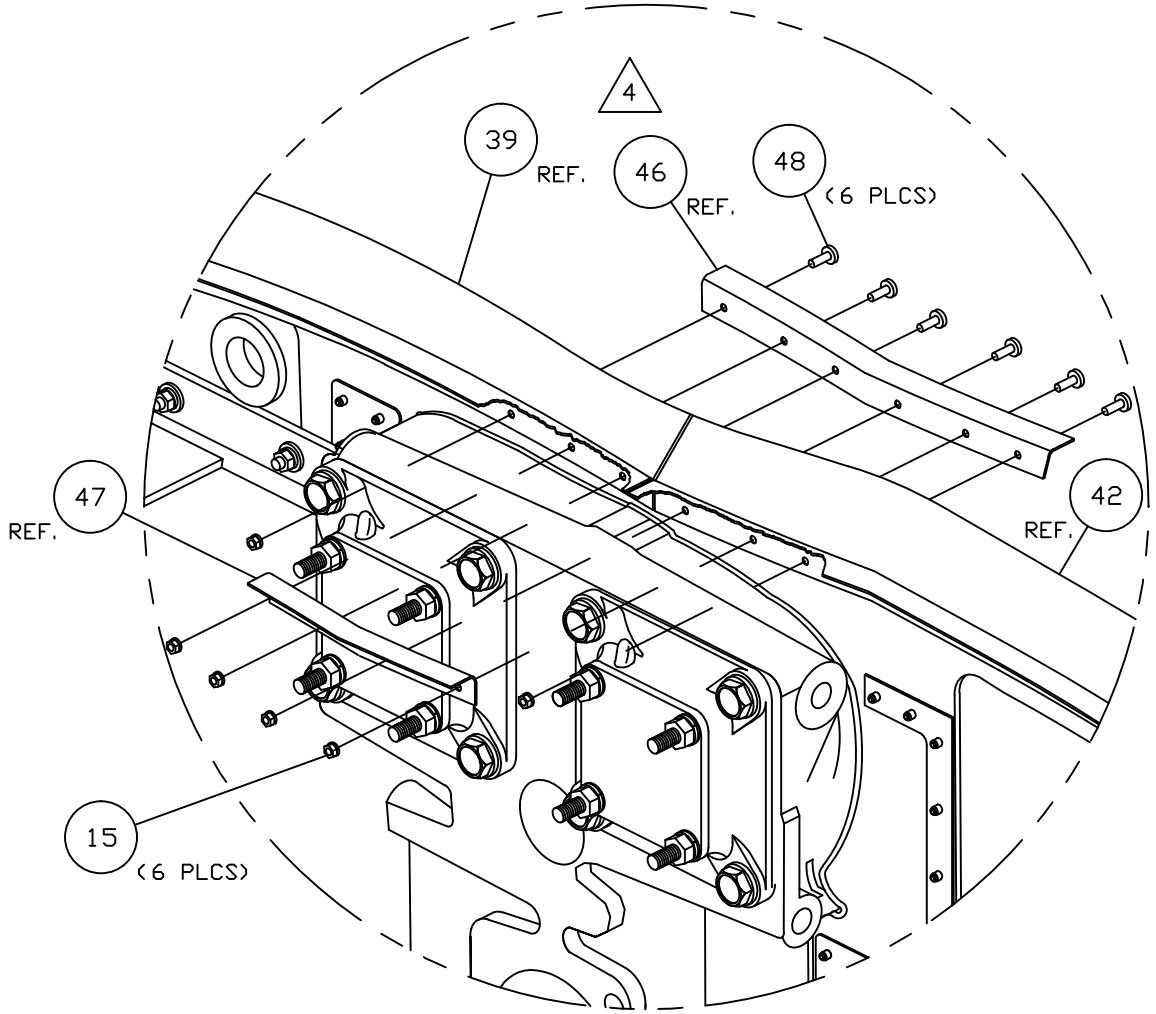
STEP 2

NOTES:

3 RUN NO. 29 DRILL THROUGH TWO HOLES FROM ITEMS (46) AND (39) TO ITEM (47). CLECO AS SHOWN.

1 CLECO.

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	INSTL OF CENTER BRACKET REAR
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	*D'SHANNON PRODUCTS, LTD*
	DWG. No. DSP-IM96-1-21 REVISION A
	SCALE: NONE DATE 11/06/09 SH 3 OF 6



DETAIL "A"

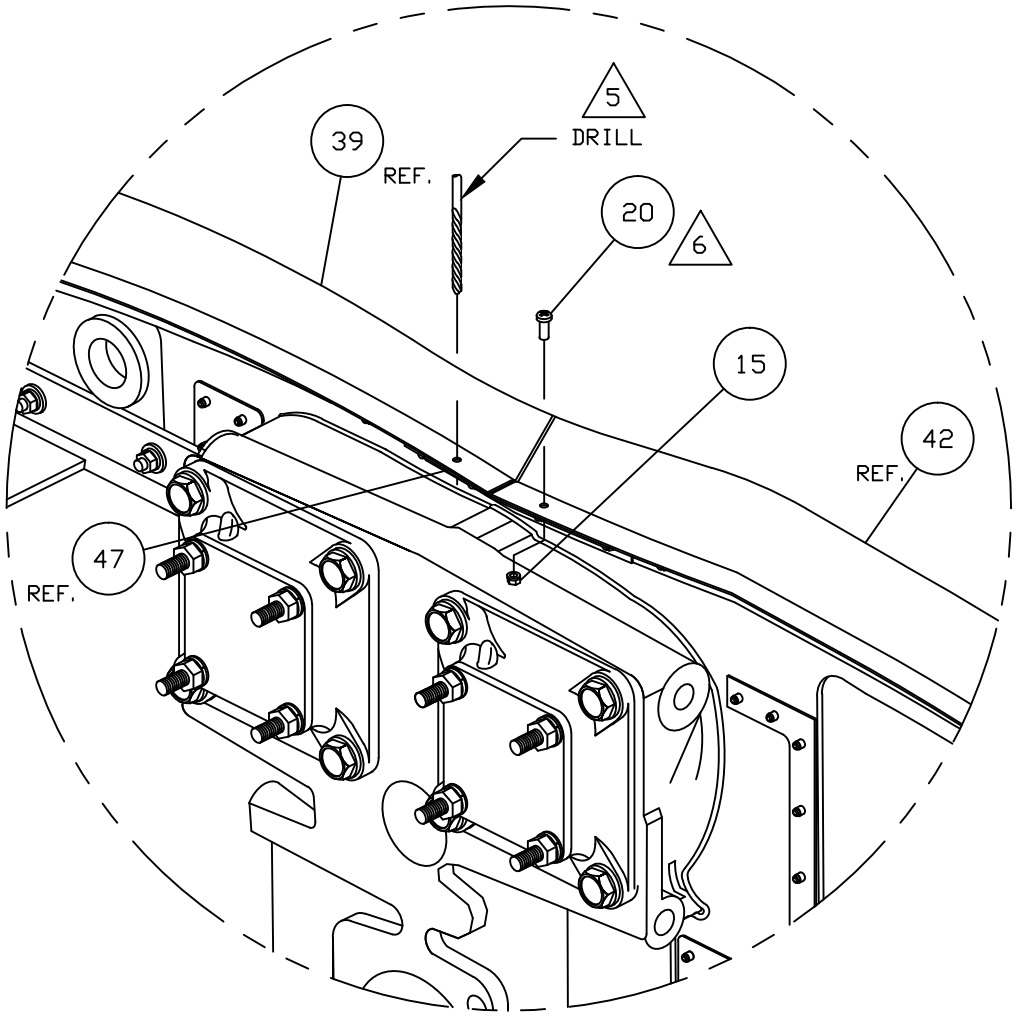
COMES FROM SHEET 1 OF 6

STEP 3

4 REMOVE CLECOS AND INSTALL ITEMS (46) AND (47) IN ITEMS (39) AND (42) USING ITEMS (48). TIGHTEN WITH ITEM (15) AS SHOWN.

NOTES:

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	INSTL OF CENTER BRACKET REAR
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	*D'SHANNON PRODUCTS, LTD*
	DWG. No. DSP-IM96-1-21 REVISION A
	SCALE: NONE DATE 11/06/09 SH 4 OF 6



DETAIL "A"

COMES FROM SHEET 1 OF 6

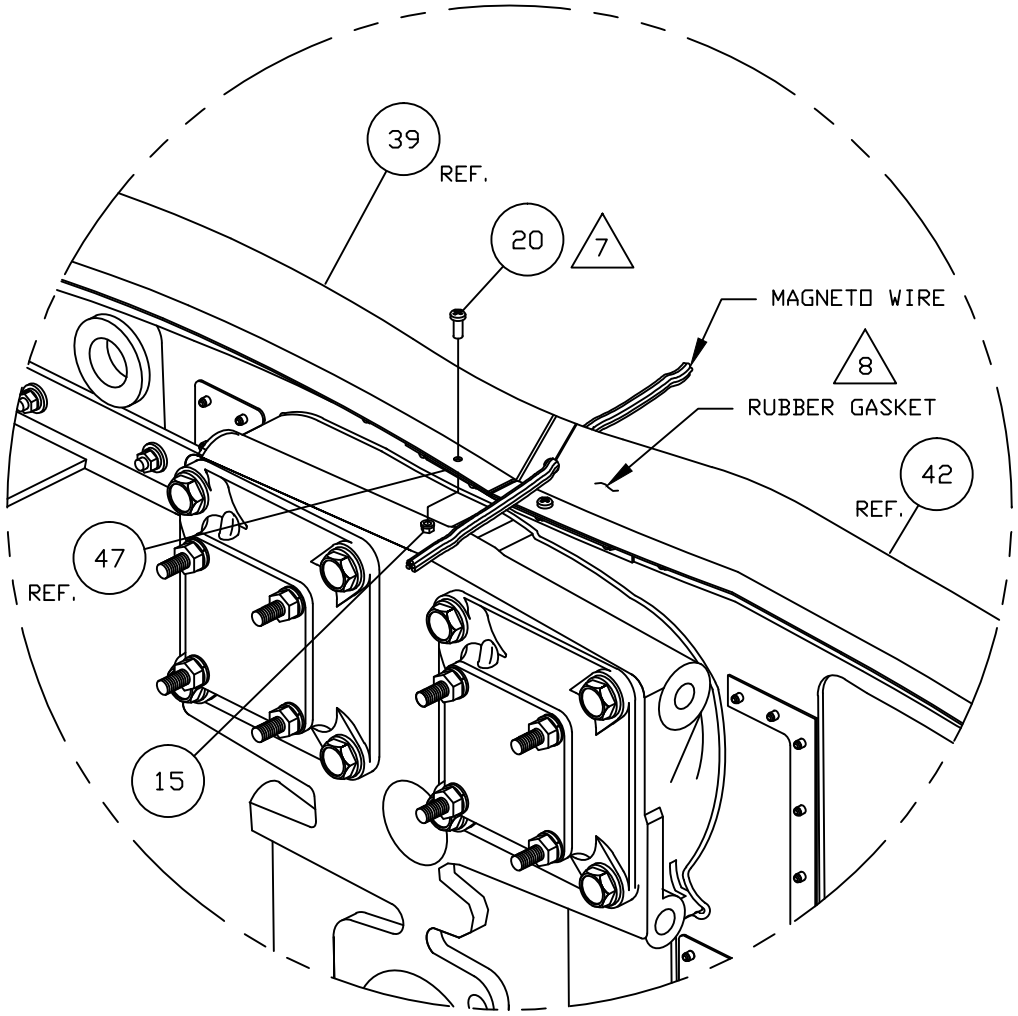
STEP 4

NOTES:

6 INSERT ITEM (20) THROUGH ITEMS (42) AND (47). TIGHTEN WITH ITEM (15).

5 RUN NO. 29 DRILL THROUGH ONE HOLE FROM ITEM (39) TO ITEM (47).

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	INSTL OF CENTER BRACKET REAR
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	*D'SHANNON PRODUCTS, LTD*
	DWG. No. DSP-IM96-1-21 REVISION A
	SCALE: NONE DATE 11/06/09 SH 5 OF 6



DETAIL "A"

COMES FROM SHEET 1 OF 6

STEP 5

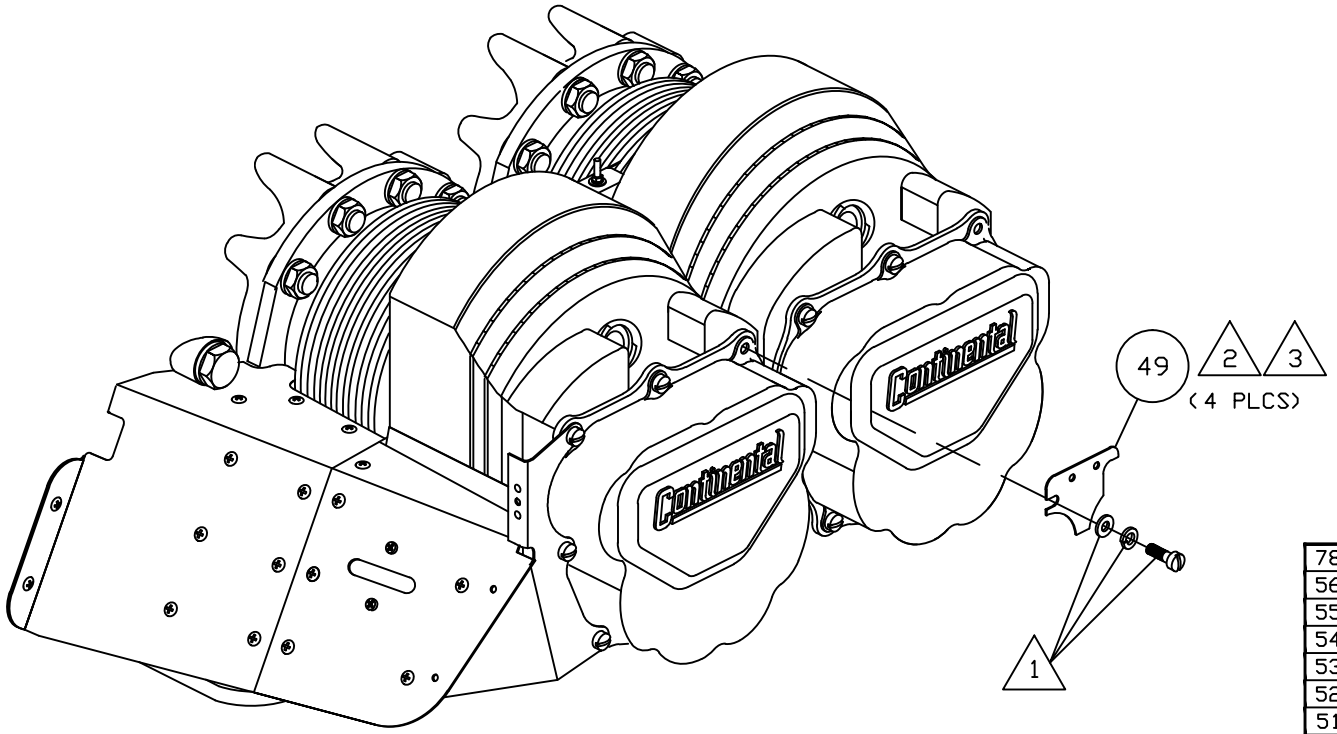
8 MAKE A SMALL HOLE APPROXIMATELY 1/4" AS SHOWN TO ALLOW WIRES TO BE CROSSED OVER.

7 INSERT ITEM (20) THROUGH ITEMS (39) AND (47). TIGHTEN WITH ITEM (15).

NOTES:

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	INSTL OF CENTER BRACKET REAR
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	*D'SHANNON PRODUCTS, LTD*
	DWG. No. DSP-IM96-1-21 REVISION A
	SCALE: NONE DATE 11/06/09 SH 6 OF 6

REVISION RECORD			
LTR.	CHANGES	BY	DATE
NC	RELEASED	D. B.	11/06/09
A	REVISE BOM AND VIEWS TO AGREE	D. B.	03/25/15



TYP. INSTALLATION

ITEM	QTY	PART No.	DESCRIPTION
78	A. R.	G. E. SILICONE II	SILICONE SEALANT
56	5	AN931-4-7	ELASTIC GROMMET
55	1	244050-1	BRACKET BAFFLE SIDE
54	1	SBS-A01	BAFFLE SIDE RIGHT STRAIGHT ASSY
53	1	SBS-A02	BAFFLE SIDE LEFT STRAIGHT ASSY
52	1	244050	BRACKET BAFFLE SIDE
51	1	244048	BRACKET BAFFLE SIDE
50	1	244047	BRACKET BAFFLE SIDE
49	4	244045	BRACKET BAFFLE SIDE
20	25	MS35206-227	PAN HEAD MACHINE SCREW
15	23	MS21042-06	REDUCED DIMENSION LOCK NUT
14	23	AN960-C6	FLAT WASHER

NOTES:

3. USE ITEM (85) 244045-1 AS AN OPTION FOR ITEM (49).
2. REMOVE MAGNETO WIRE SUPPORTS FROM THE CYLINDERS AND INSTALL ITEM (49) USING THE ORIGINAL ROCKER COVER HARDWARE.
1. ORIGINAL HARDWARE.

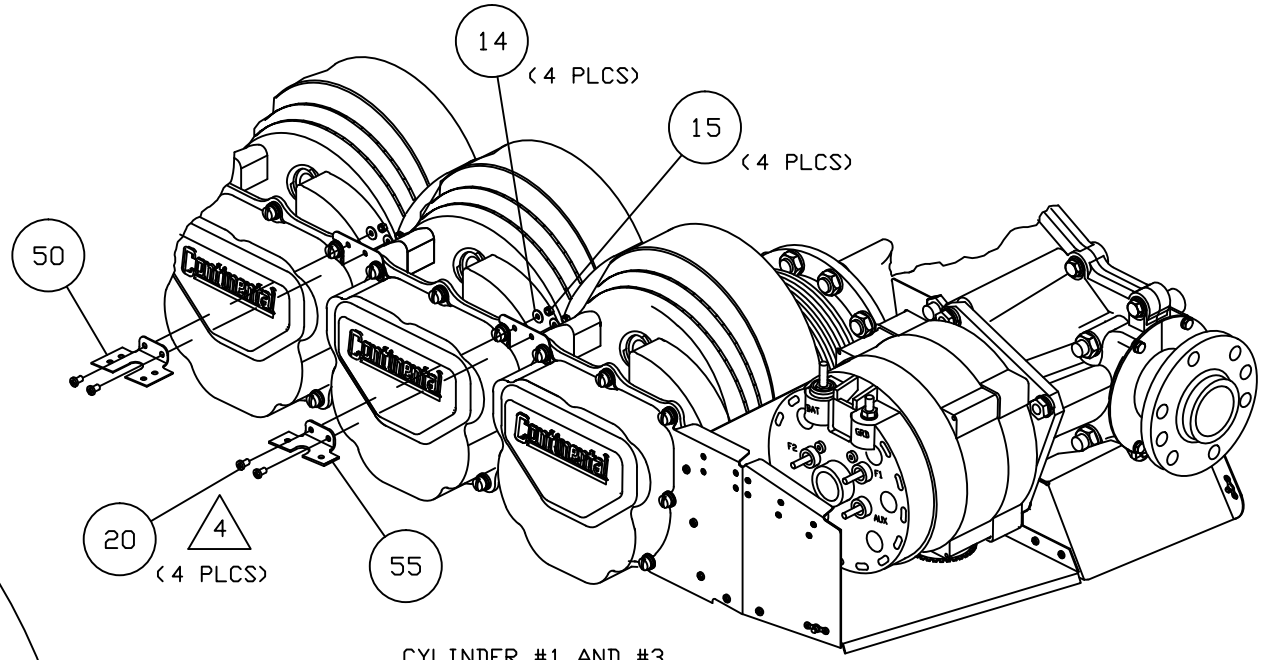
NEXT ASSY:
DRAWN BY: D. B.
ENGINEER: D. BRAUN
CHECKED BY: D. B.

INSTALLATION OF SIDE BAFFLES

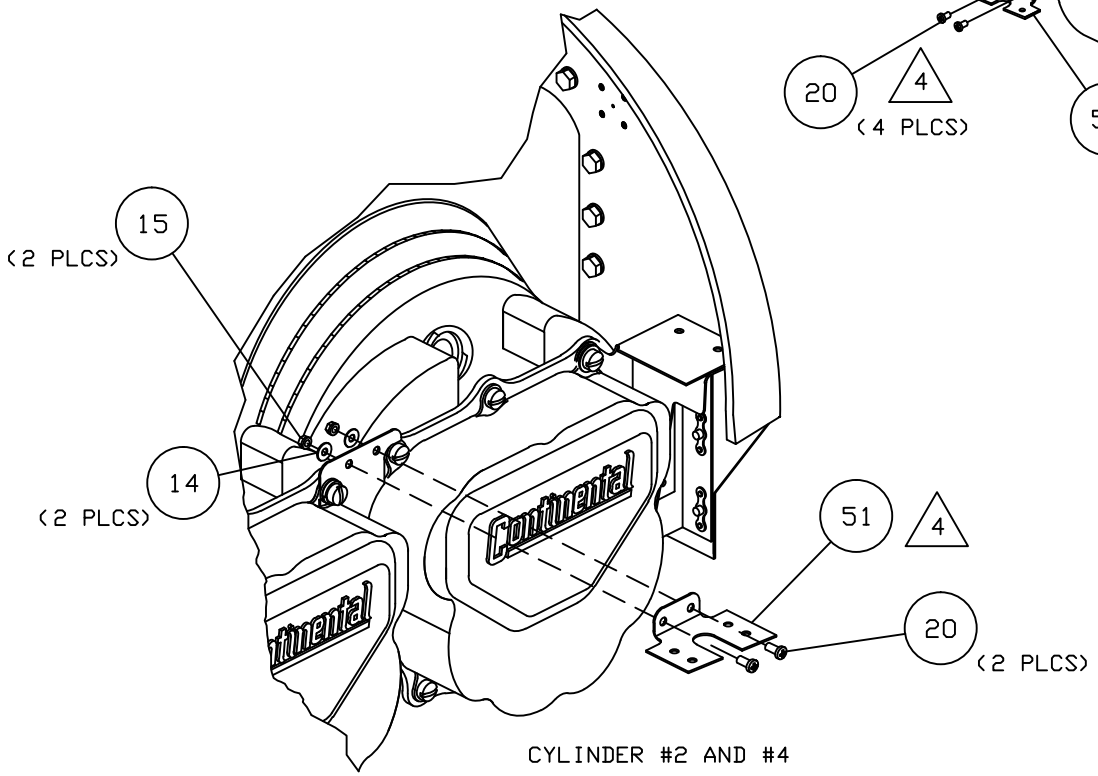
TOLERANCES
.X__.10 .XXX__.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

D'SHANNON PRODUCTS, LTD

DWG. No. DSP-IM96-1-23 | REVISION A
SCALE: NONE | DATE 11/06/09 | SH 1 OF 6



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

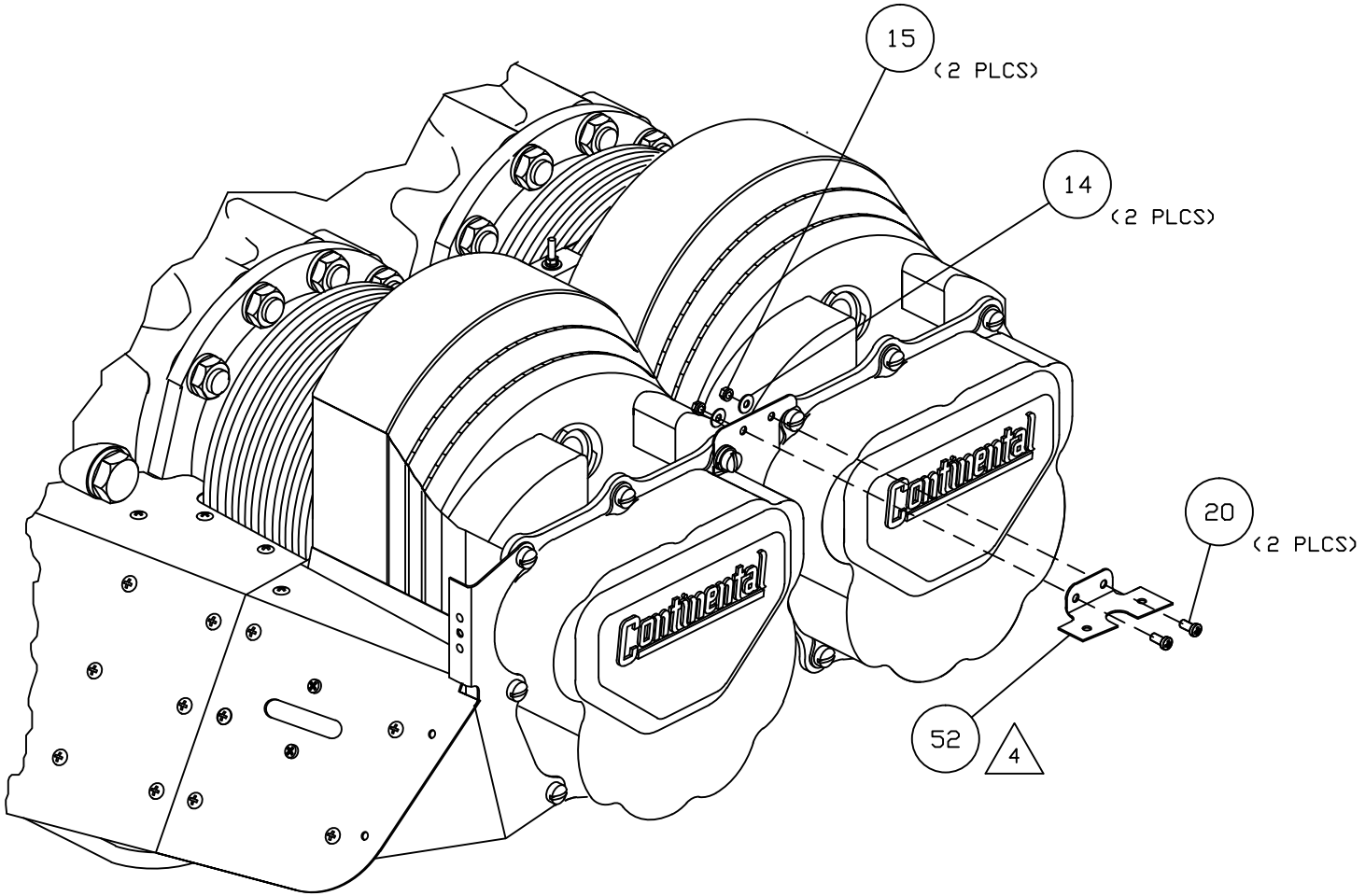


CYLINDER #2 AND #4

4 INSTALL ITEMS (50), (51), (52) AND (55) USING ITEM (20) AS SHOWN ON SHEET 2 AND 3 OF 6.

NOTES:

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	INSTALLATION OF SIDE BAFFLES
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	*D'SHANNON PRODUCTS, LTD*
	DWG. No. DSP-IM96-1-23 REVISION A
	SCALE: NONE DATE 11/06/09 SH 2 OF 6

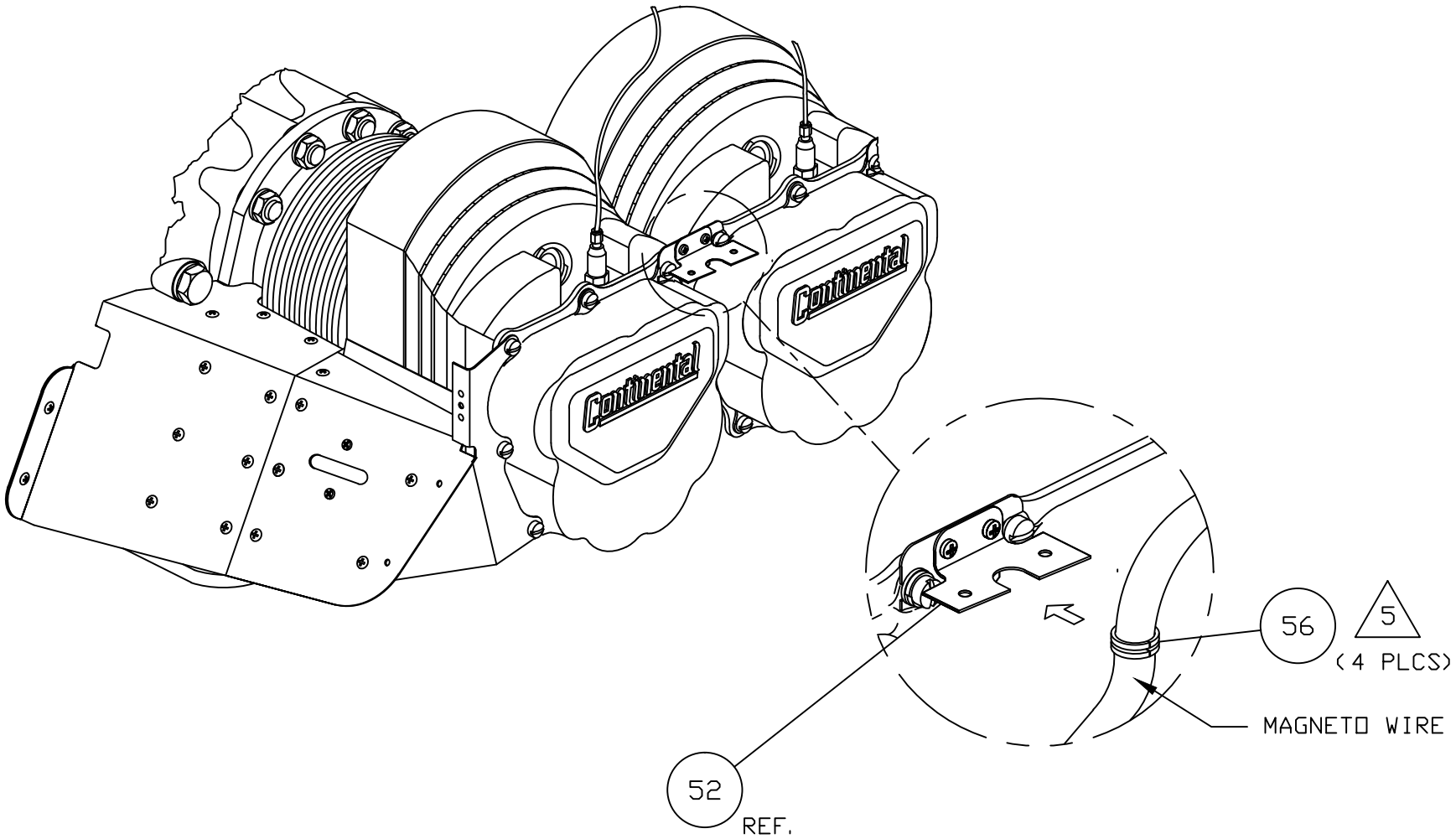


CYLINDER #4 AND #6

4 INSTALL ITEMS (50), (51), (52) AND (55) USING ITEM (20) AS SHOWN ON SHEET 2 AND 3 OF 6.

NOTES:

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	INSTALLATION OF SIDE BAFFLES
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	*D'SHANNON PRODUCTS, LTD*
	DWG. No. DSP-IM96-1-23 REVISION A
	SCALE: NONE DATE 11/06/09 SH 3 OF 6

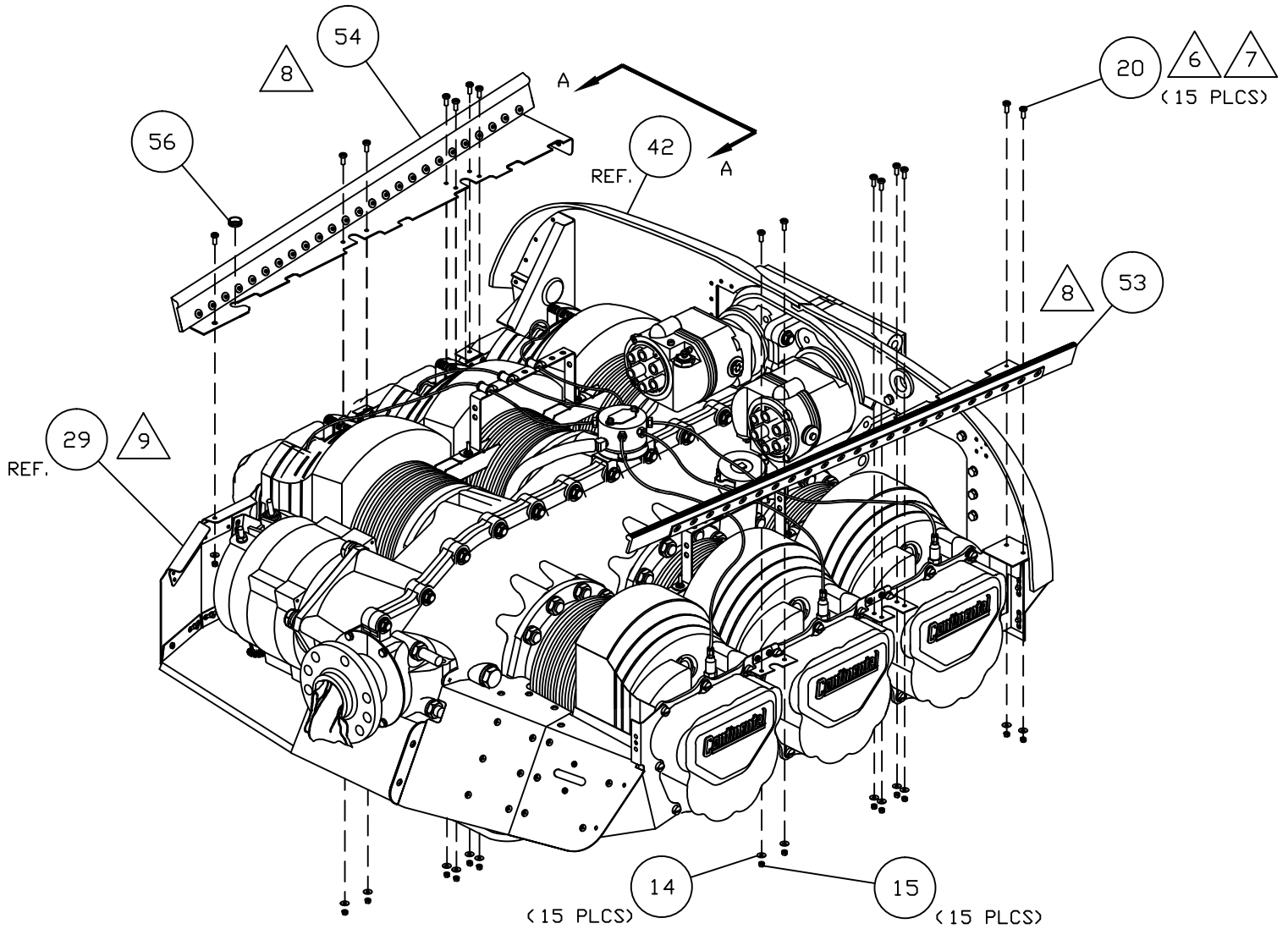


TYP. MAGNETO WIRE INSTALLATION

NOTES:

5 INSTALL ALL NEW AN931-4-7 ELASTIC GROMMETS. ITEM (56) MUST BE INSTALLED ON THE MAGNETO WIRE SLOTS IN THE SUPPORT BRACKETS.

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	INSTALLATION OF SIDE BAFFLES
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	*D'SHANNON PRODUCTS, LTD*
	DWG. No. DSP-IM96-1-23 REVISION A
	SCALE: NONE DATE 11/06/09 SH 4 OF 6



9 USE HOLE OF ITEM (54) FOR REFERENCE AND DRILL ITEM (29). TIGHTEN USING ITEMS (14), (15) AND (20).

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

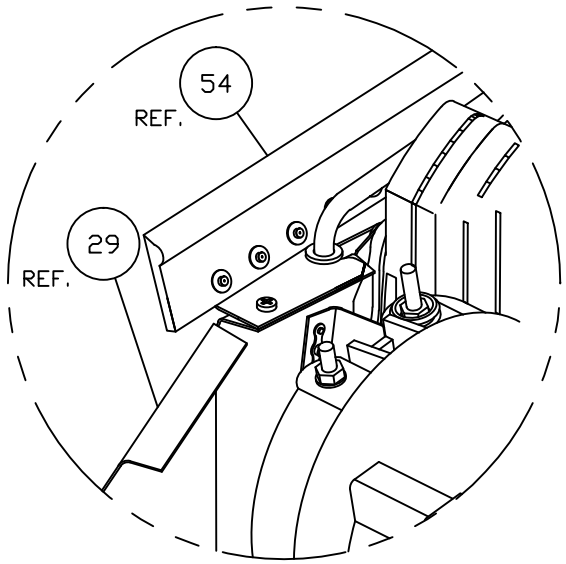
7 VERY IMPORTANT: TIGHTEN SNUGLY AND BACK-OFF 1/4 TURN TO ALLOW FOR EXPANSION.

6 THE LEFT HAND ITEM IS (53), THE RIGHT HAND ITEM IS (54). ATTACH SIDE BAFFLE ASSEMBLY TO SUPPORT BRACKETS USING ITEM (20) SCREWS, INSERTED THROUGH ITEMS (14) AND (15).

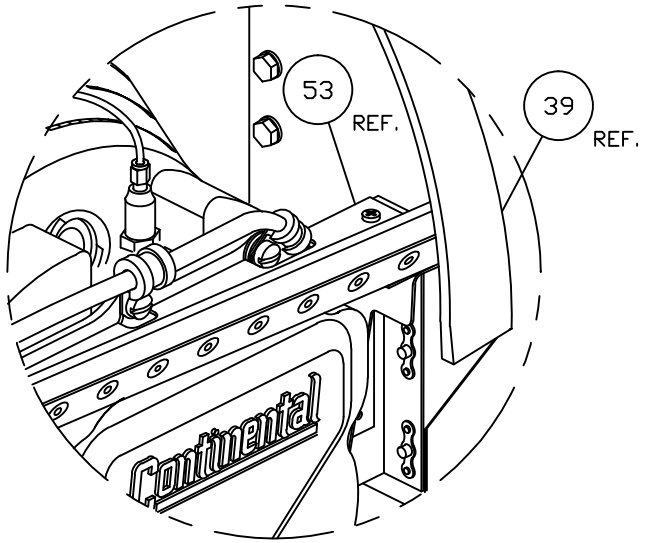
NOTES:

ITEM (29) IS REFERENCED FROM DSP95-1-13 SH 7 OF 7.

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	INSTALLATION OF SIDE BAFFLES
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	*D'SHANNON PRODUCTS, LTD*
DWG. No. DSP-IM96-1-23	REVISION A
SCALE: NONE	DATE 11/06/09 | SH 5 OF 6

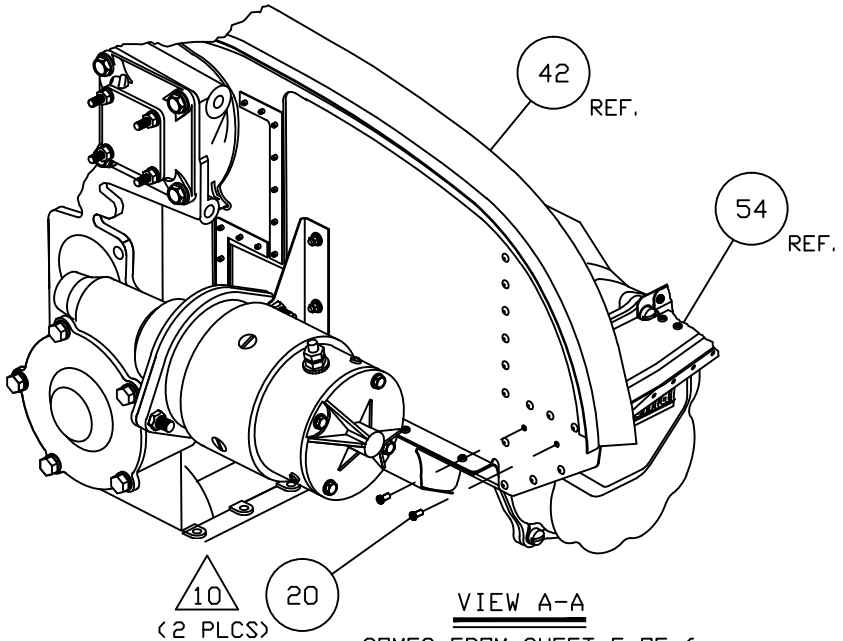


DETAIL SIDE RIGHT-ALTERNATOR BOX



DETAIL SIDE LEFT-OIL COOLER

11



VIEW A-A

COMES FROM SHEET 5 OF 6

ITEM (29) IS REFERENCED FROM DSP95-1-13 SH 7 OF 7.

ITEM (39) IS REFERENCED FROM DSP96-1-19 SH 1 OF 1.

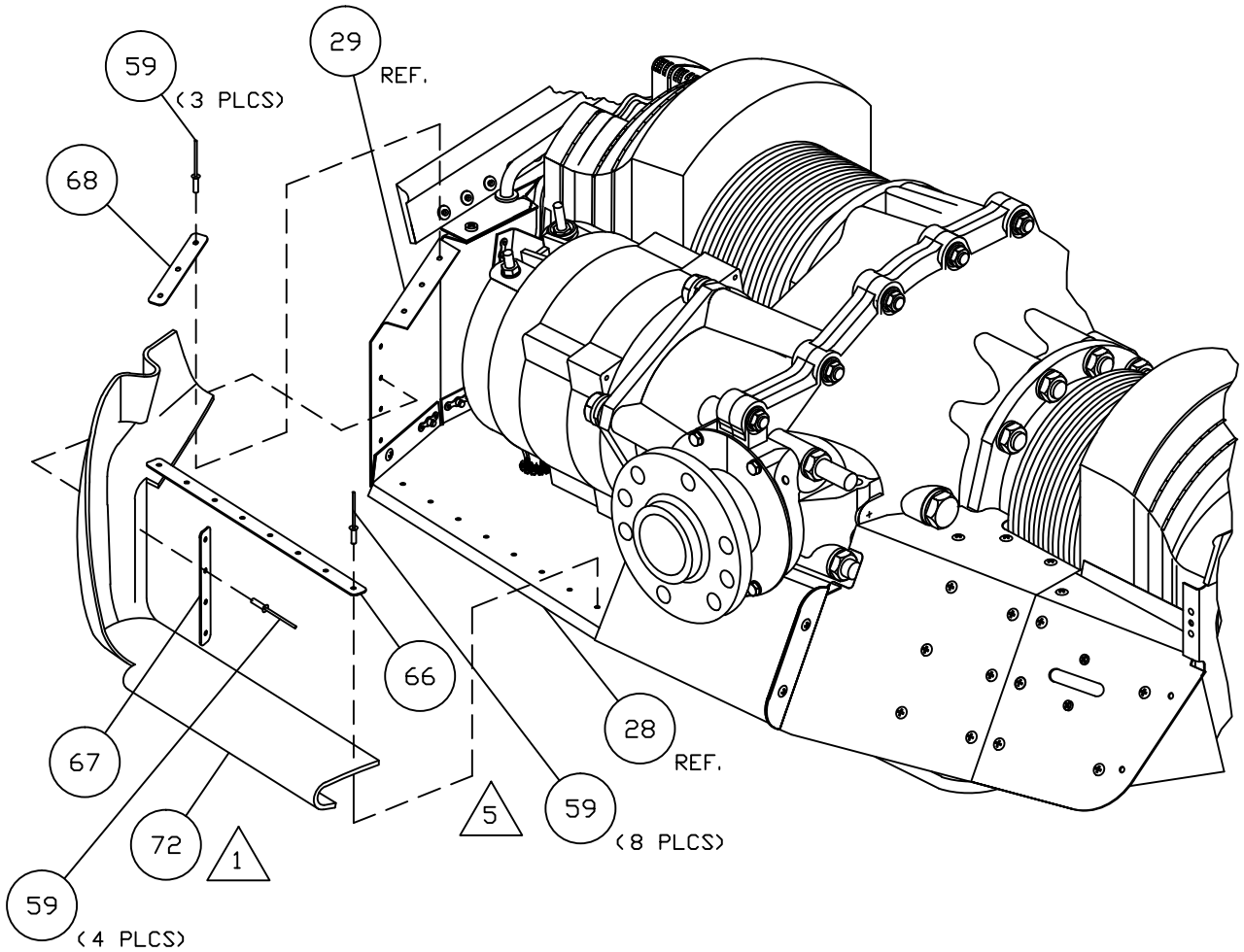
ITEM (42) IS REFERENCED FROM DSP96-1-20 SH 1 OF 1.

NOTES:

11 USE SHEET 6 OF 6 AS A GUIDE OR OVERVIEW.

10 FASTEN ITEMS (42) AND (54) WITH ITEM (20) AND TIGHTEN.

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	INSTALLATION OF SIDE BAFFLES
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	*D'SHANNON PRODUCTS, LTD*
	DWG. No. DSP-IM96-1-23 REVISION A
	SCALE: NONE DATE 11/06/09 SH 6 OF 6



REVISION RECORD			
LTR.	CHANGES	BY	DATE
NC	RELEASED	D. B.	11/06/09
A	REVISE BOM AND DRAWING TO AGREE	D. B.	03/25/11

ITEM (28) IS REFERENCED FROM DSP95-1-13 SH 3 OF 7.

ITEM (29) IS REFERENCED FROM DSP95-1-13 SH 7 OF 7.

ITEM	QTY	PART No.	DESCRIPTION
72	1	SBA-01G	GASKET ALTERNATOR STRAIGHT
71	1	SBF-02G	GASKET FRONT STRAIGHT
70	1	SBF-01G	GASKET FRONT STRAIGHT
69	1	SBN-01G	GASKET NOSE STRAIGHT
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
59	30	AD45H	POP RIVET
48	3	AN526C632R8	TRUSS HEAD MACHINE SCREW

NOTES:

△5 INSTALL THE RUBBER SEALS AS SHOWN ON THE DRAWING AND TO THE NOSE CONTOUR AS FOLLOWS: AFTER THE GASKET IS IN THE CORRECT POSITION PLACE THE RETAINER AND USE THE HOLES IN THE RETAINER AS A GUIDE TO PIERCE THROUGH THE GASKET AND THE BAFFLES. FIRST DRILL THE HOLES AT THE EXTREMES OF THE RETAINER USING A #30 DRILL BIT. PLACE CLECOS AND DRILL THE REMAINING HOLES. RIVET AS SHOWN.

△1 INSTALL ITEM (72) AS SHOWN USING ITEMS (66), (67), (68) AND (59).

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

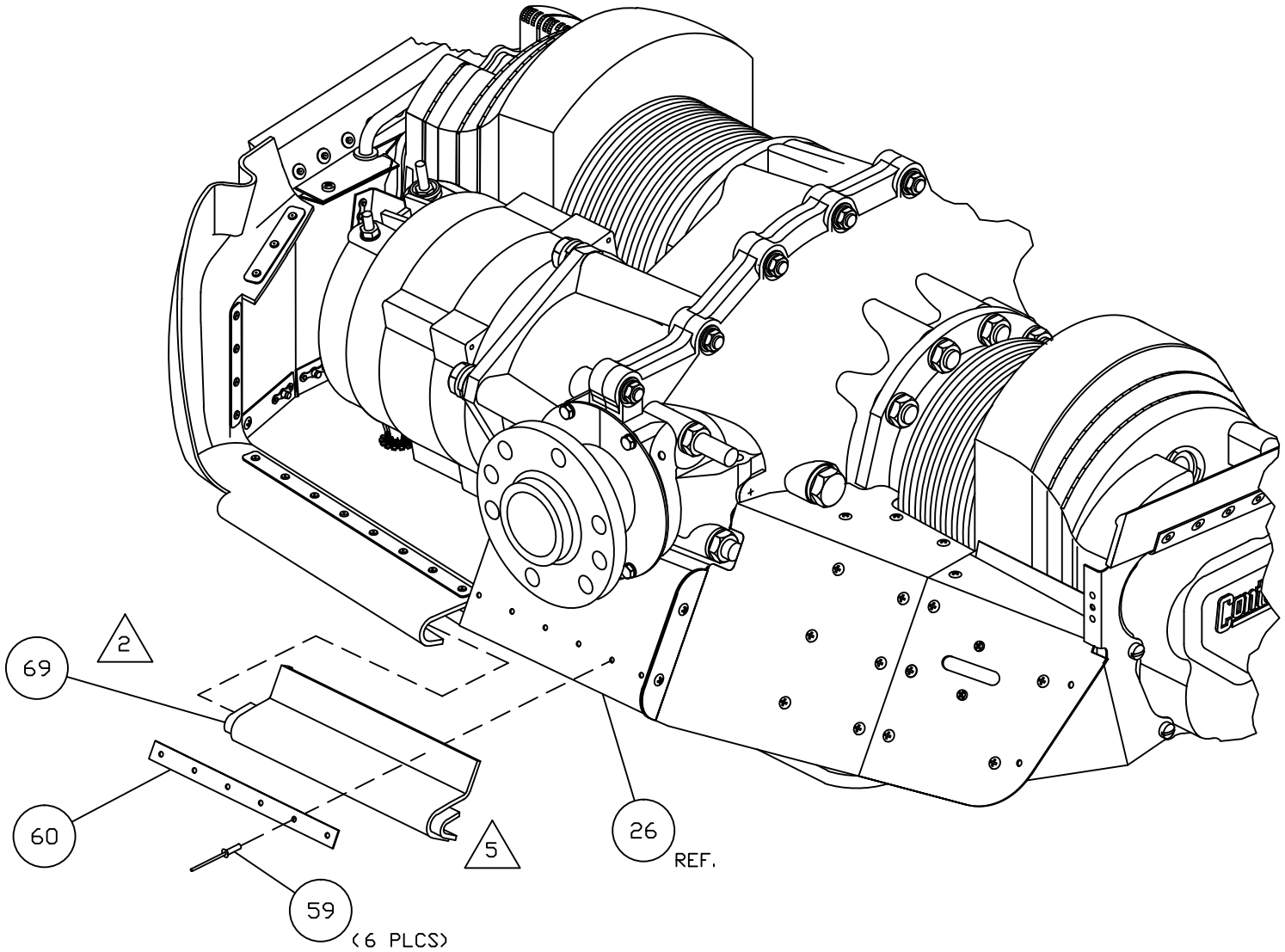
INSTALLATION GASKET FRONT

TOLERANCES
.X__.10 .XXX__.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

D'SHANNON PRODUCTS, LTD

DWG. No. DSP-IM96-1-24 | REVISION A

SCALE: NONE | DATE 11/06/09 | SH 1 OF 4



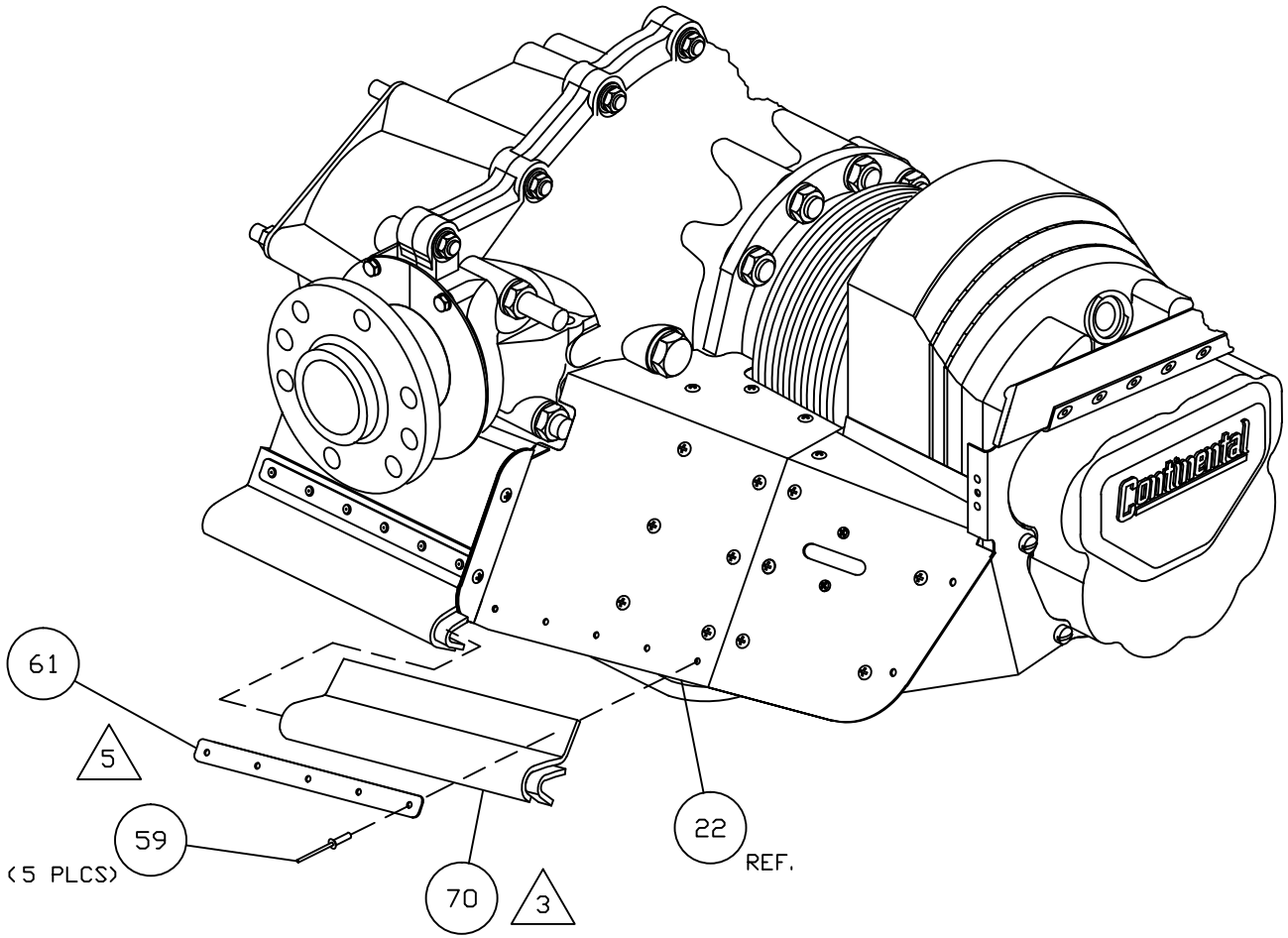
NOTES:

(2) INSTALL ITEM (69) AS SHOWN USING ITEMS (60) AND (59).

(5) INSTALL THE RUBBER SEALS AS SHOWN ON THE DRAWING AND TO THE NOSE CONTOUR AS FOLLOWS: AFTER THE GASKET IS IN THE CORRECT POSITION PLACE THE RETAINER AND USE THE HOLES IN THE RETAINER AS A GUIDE TO PIERCE THROUGH THE GASKET AND THE BAFFLES. FIRST DRILL THE HOLES AT THE EXTREMES OF THE RETAINER USING A #30 DRILL BIT. PLACE CLECOS AND DRILL THE REMAINING HOLES. RIVET AS SHOWN.

ITEM (26) IS REFERENCED FROM DSP95-1-12 SH 1 OF 1.

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	INSTALLATION GASKET FRONT
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	*D'SHANNON PRODUCTS, LTD*
	DWG. No. DSP-IM96-1-24 REVISION A
	SCALE: NONE DATE 11/06/09 SH 2 OF 4



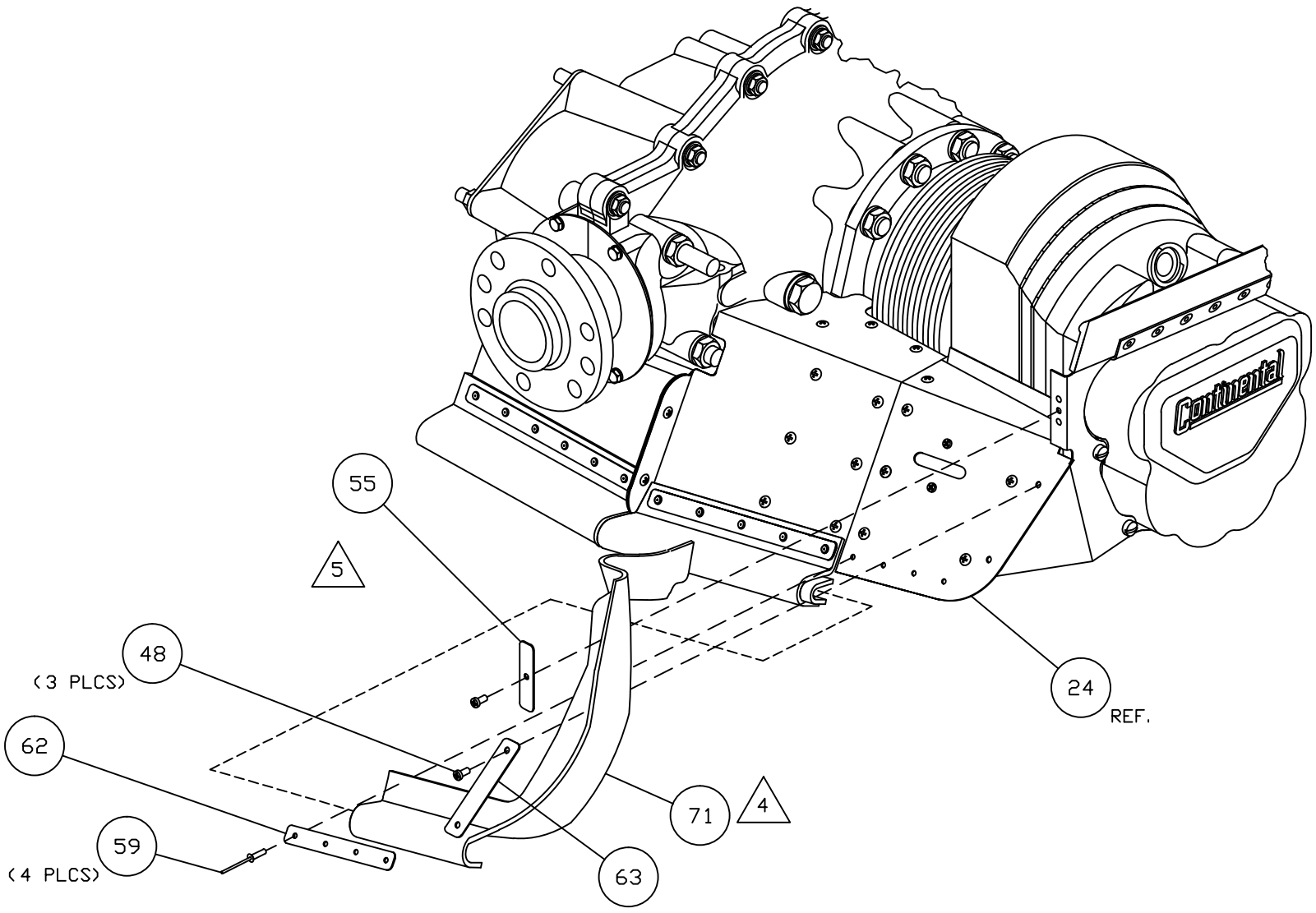
NOTES:

5 INSTALL THE RUBBER SEALS AS SHOWN ON THE DRAWING AND TO THE NOSE CONTOUR AS FOLLOWS: AFTER THE GASKET IS IN THE CORRECT POSITION PLACE THE RETAINER AND USE THE HOLES IN THE RETAINER AS A GUIDE TO PIERCE THROUGH THE GASKET AND THE BAFFLES. FIRST DRILL THE HOLES AT THE EXTREMES OF THE RETAINER USING A #30 DRILL BIT. PLACE CLECOS AND DRILL THE REMAINING HOLES. RIVET AS SHOWN.

3 INSTALL ITEM (70) AS SHOWN USING ITEMS (61) AND (59).

ITEM (22) IS REFERENCED FROM DSP95-1-11 SH 2 OF 4.

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	INSTALLATION GASKET FRONT
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	*D'SHANNON PRODUCTS, LTD*
	DWG. No. DSP-IM96-1-24 REVISION A
	SCALE: NONE DATE 11/06/09 SH 3 OF 4



NOTES:

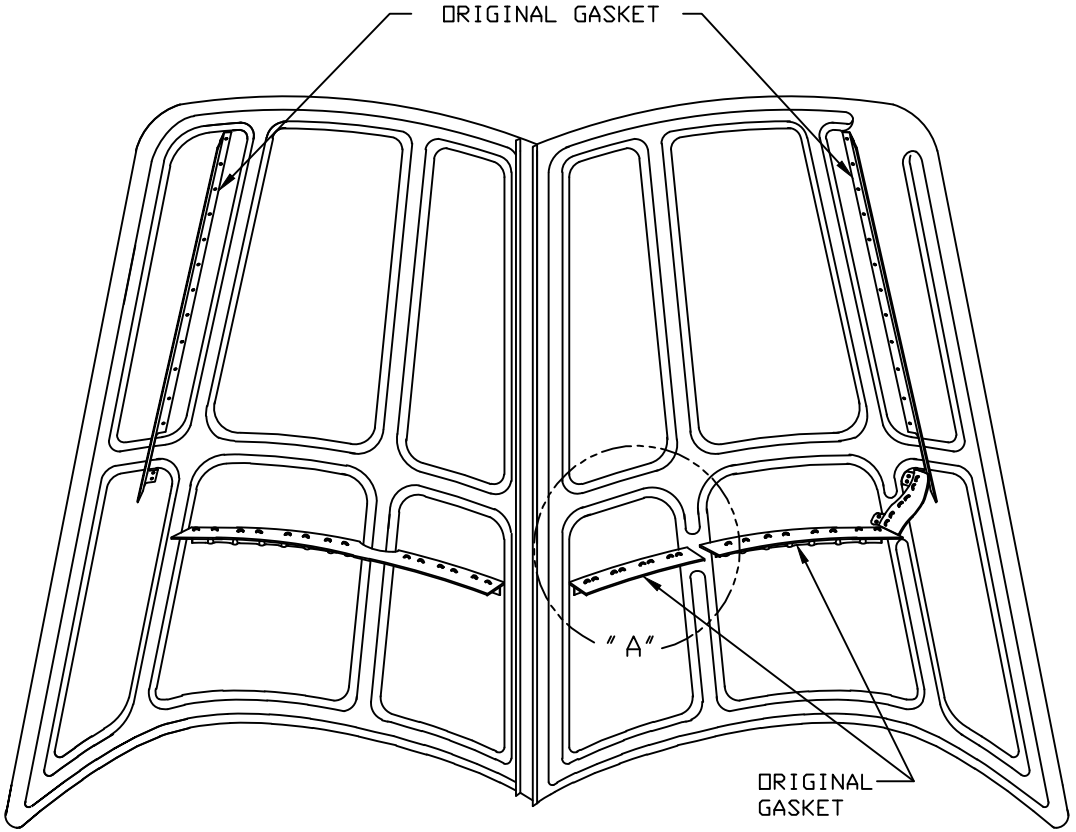
5 INSTALL THE RUBBER SEALS AS SHOWN ON THE DRAWING AND TO THE NOSE CONTOUR AS FOLLOWS: AFTER THE GASKET IS IN THE CORRECT POSITION PLACE THE RETAINER AND USE THE HOLES IN THE RETAINER AS A GUIDE TO PIERCE THROUGH THE GASKET AND THE BAFFLES. FIRST DRILL THE HOLES AT THE EXTREMES OF THE RETAINER USING A #30 DRILL BIT. PLACE CLECOS AND DRILL THE REMAINING HOLES. RIVET AS SHOWN.

4 INSTALL ITEM (71) AS SHOWN USING ITEMS (62), (63), (65), (59) AND (48).

ITEM (24) IS REFERENCED FROM DSP95-1-11 SH 4 OF 4.

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	INSTALLATION GASKET FRONT
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	*D'SHANNON PRODUCTS, LTD*
	DWG. No. DSP-IM96-1-24 REVISION A
	SCALE: NONE DATE 11/06/09 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:

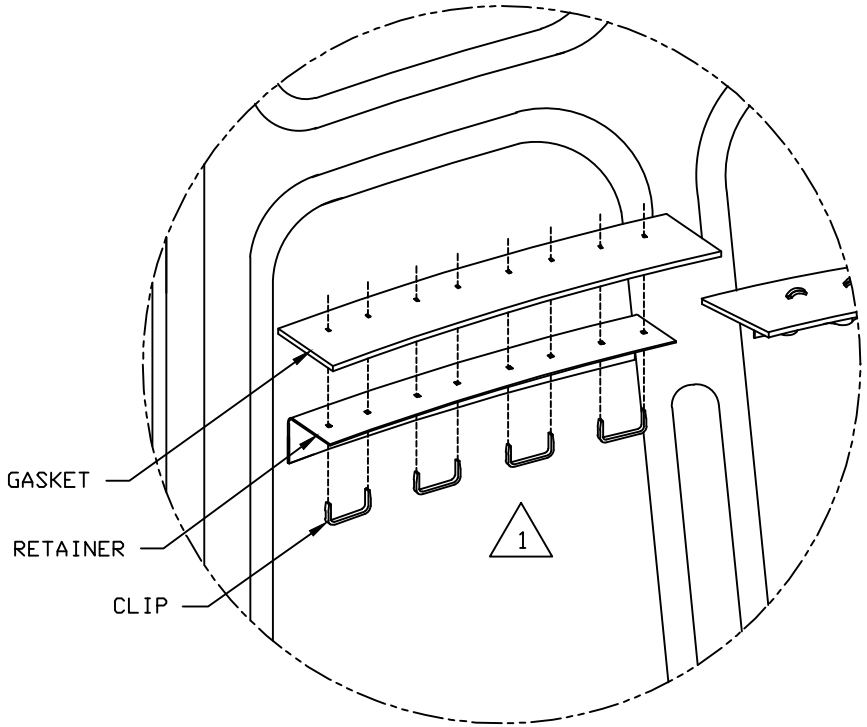
NEXT ASSY:
DRAWN BY: K. R. S.
ENGINEER: D. BRAUN
CHECKED BY: D. B.

REMOVAL OF THE ORIGINAL COWLING GASKETS

TOLERANCES
.X__.10 .XXX__.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

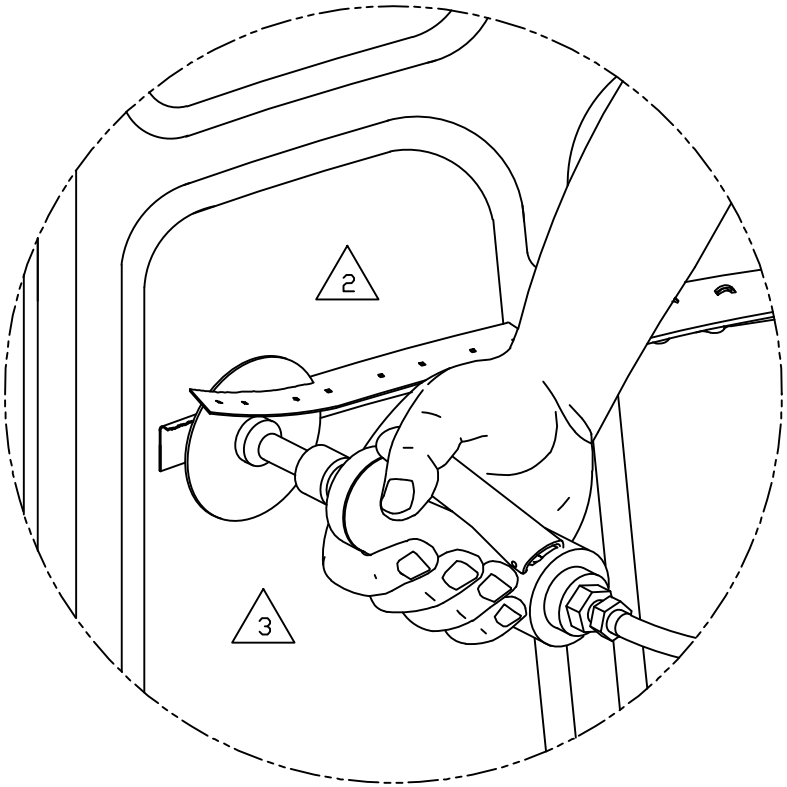
D'SHANNON PRODUCTS, LTD

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

NOTES:

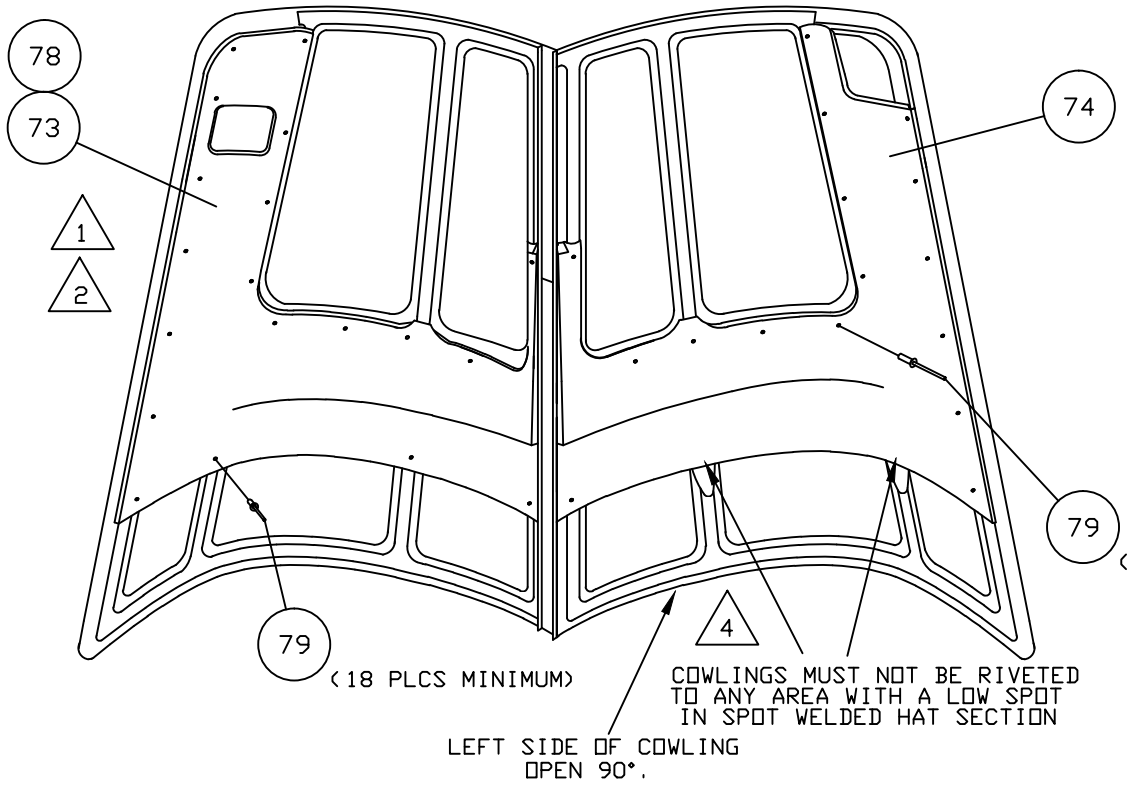
3 REMOVE ALL SHARP EDGES AND BURRS, USING A CUTTING TOOL. SMOOTH ALL EDGES WITH A FILE.

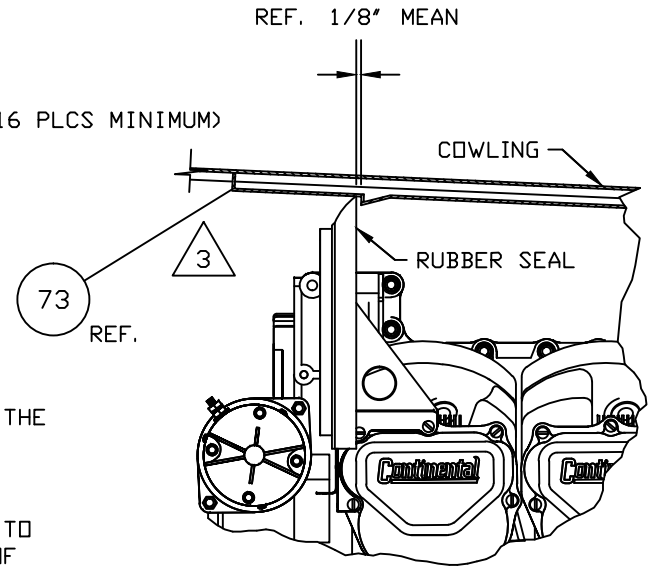
2 CUT OFF THE ORIGINAL GASKET RETAINERS.
NOTE: TAKE CARE NOT TO DAMAGE THE RETAINER SURFACES.

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

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	D. B.	05/15/10
A	REVISE BOM AND VIEWS TO AGREE	D. B.	03/25/11





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 FORWARD 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 (79).
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:

ITEM	QTY	PART No.	DESCRIPTION
79	35	AD44H	POP RIVET
78	A. R.	G. E. SILICONE II	SILICONE SEALANT
74	1	STCP-02	BAFFLE COWLING INSIDE LEFT
73	1	STCP-01	BAFFLE COWLING INSIDE RIGHT

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

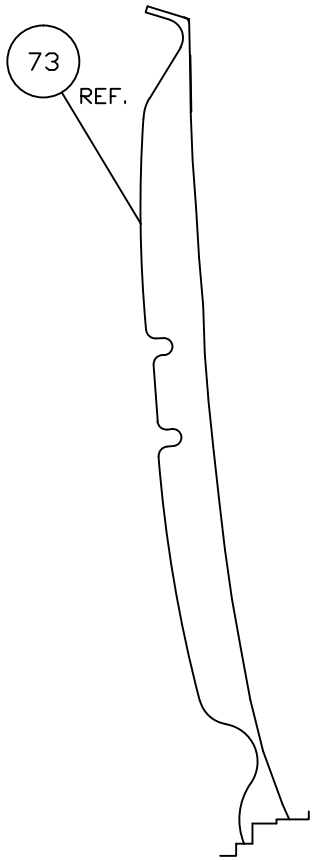
INSTL BAFFLE COWLING PLATES

TOLERANCES
.X__.10 .XXX__.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

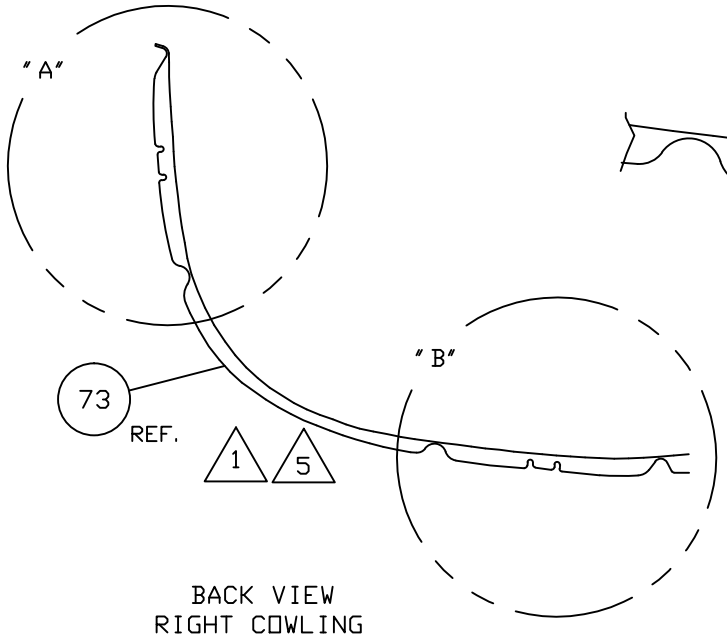
D'SHANNON PRODUCTS, LTD

DWG. No. DSP-IM96-1-25 | REVISION A

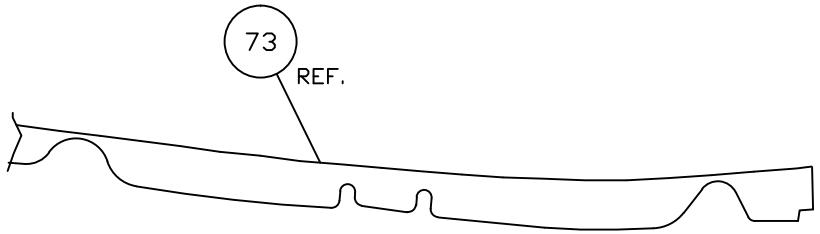
SCALE: NONE | DATE 11/06/09 | SH 1 OF 3



DETAIL "A"



BACK VIEW
RIGHT COWLING



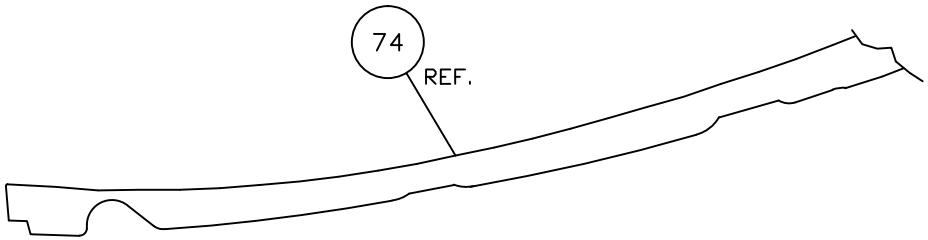
DETAIL "B"

NOTES:

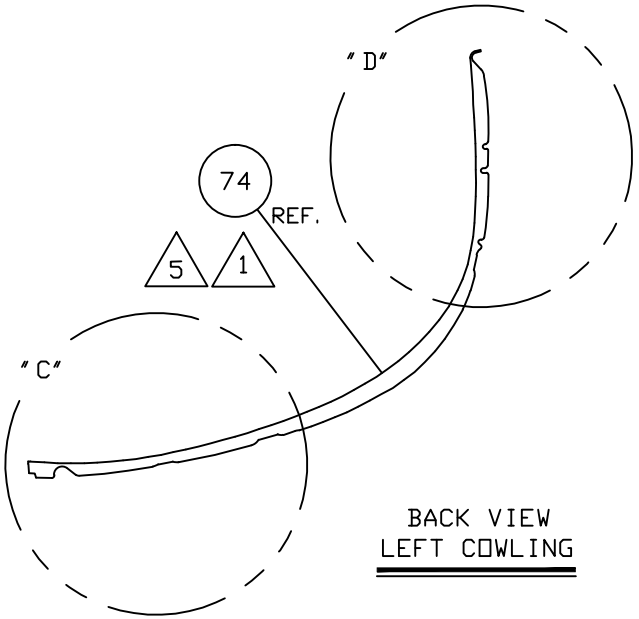
5 IF NECESSARY ADJUST GAPS FILED IF ADDITIONAL OR LESS STRUCTURE IS FOUND IN COWLING THAN IS STANDARD.

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 (79).
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.

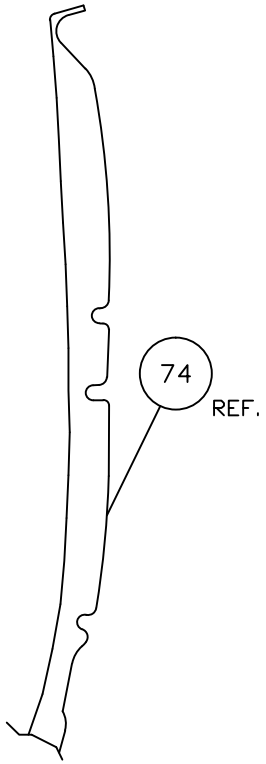
NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	INSTL BAFFLE COWLING PLATES
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	D'SHANNON PRODUCTS, LTD
DWG. No. DSP-IM96-1-25	REVISION A
SCALE: NONE	DATE 11/06/09 SH 2 OF 3



DETAIL "C"



BACK VIEW
LEFT COWLING



DETAIL "D"

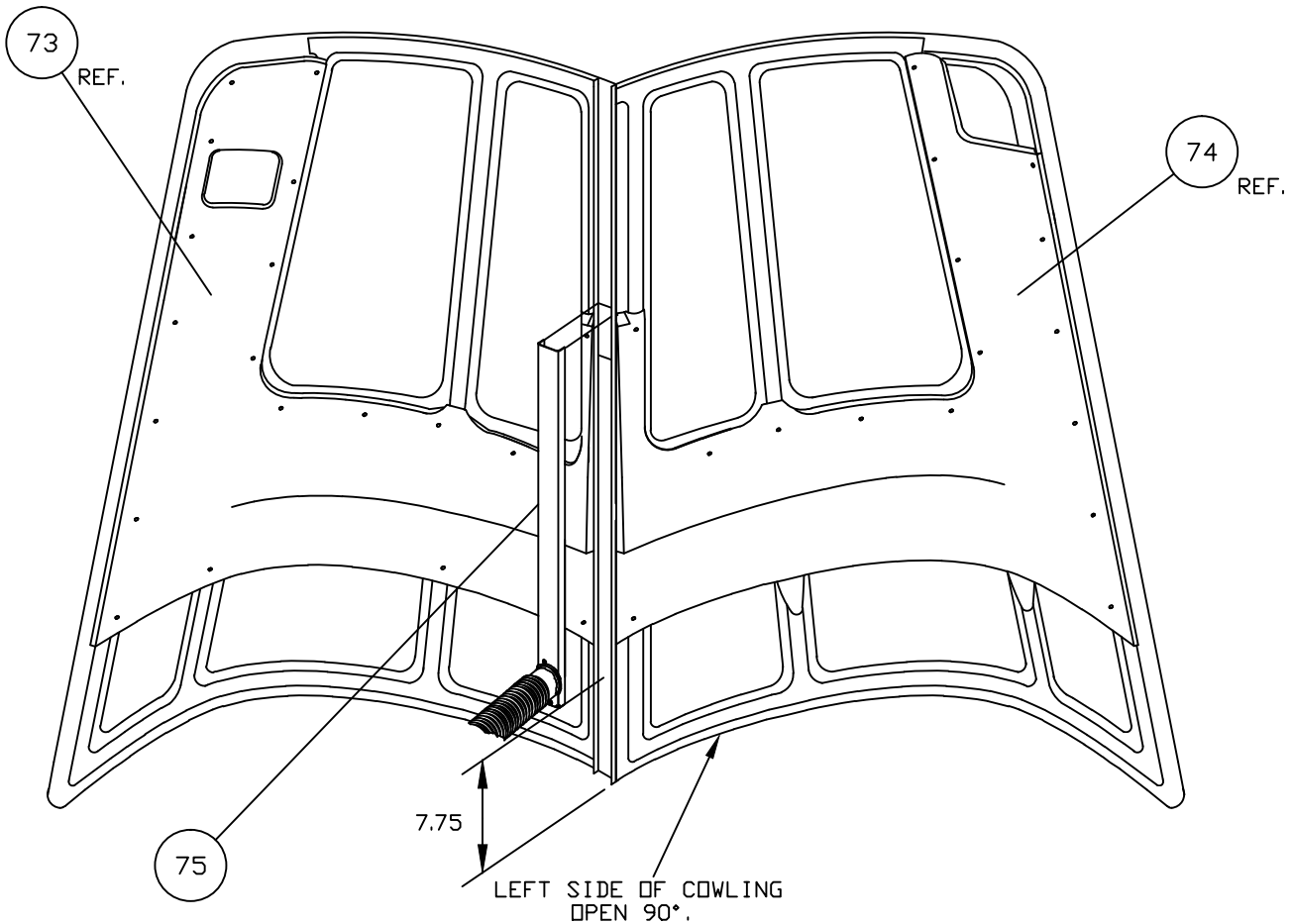
△5 IF NECESSARY ADJUST GAPS FILED IF ADDITIONAL OR LESS STRUCTURE IS FOUND IN COWLING THAN IS STANDARD.

△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 (79).
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: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	INSTL BAFFLE COWLING PLATES
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	*D'SHANNON PRODUCTS, LTD*
DWG. No. DSP-IM96-1-25	REVISION A
SCALE: NONE	DATE 11/06/09 SH 3 OF 3

REVISION RECORD			
LTR.	CHANGES	BY	DATE
NC	RELEASED	D. B.	11/06/09
A	REVISE DRAWING NUMBER, RIVET	D. B.	03/25/11



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-IM96-1-25, SHEET 1.

ITEM (74) IS REFERENCED FROM DSP-IM96-1-25, SHEET 1.

ITEM	QTY	PART No.	DESCRIPTION
79	6	AD44H	POP RIVET
78	A. R.	G. E. SILICONE II	SILICONE SEALANT
77	2	AN960C4	FLAT WASHER
75	1	242005	COWLING HOSE HOLDER

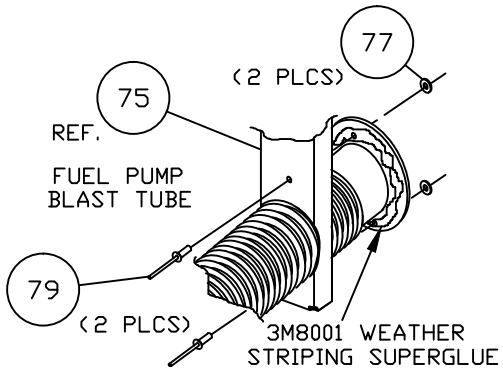
NEXT ASSY:
DRAWN BY: D. B.
ENGINEER: D. BRAUN
CHECKED BY: D. B.

INSTALLATION OF COWLING HOSE HOLDER OPTION "A"

TOLERANCES
.X__.10 .XXX__.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

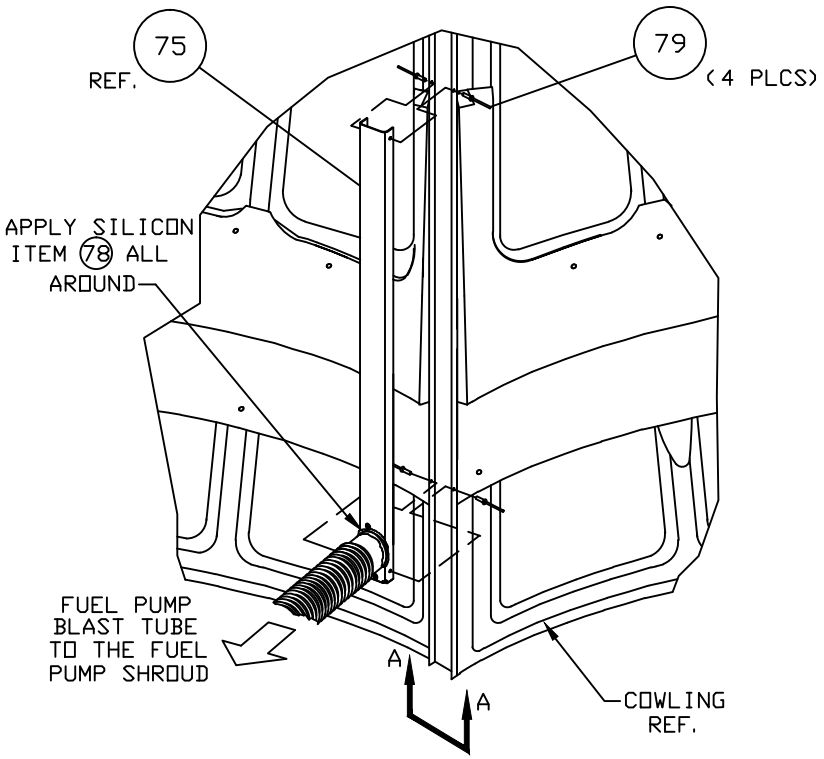
D'SHANNON PRODUCTS, LTD

DWG. No. DSP-IM96-1-26A | REVISION A
SCALE: NONE | DATE 11/06/09 | SH 1 OF 2

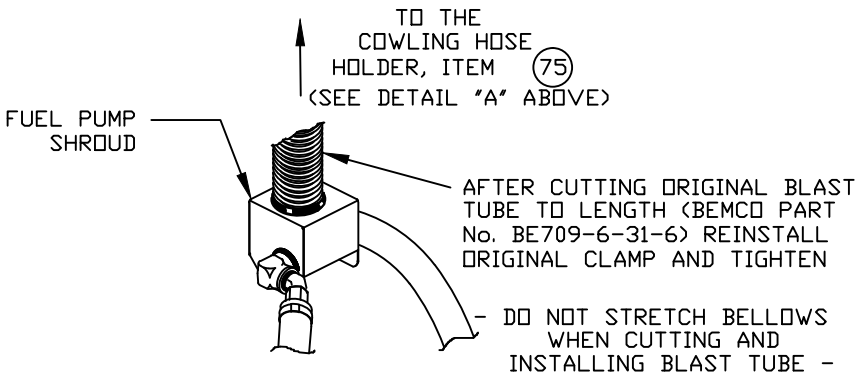


STEP 1

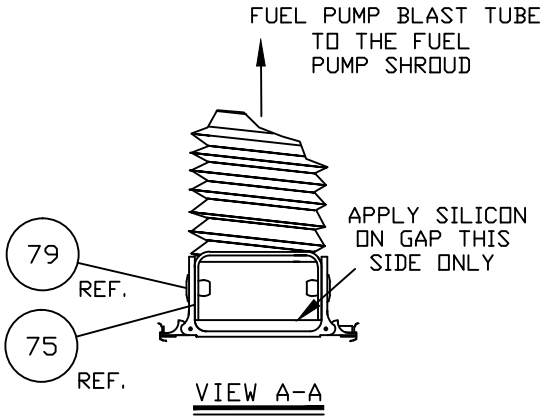
FUEL PUMP BLAST TUBE
INSTALLATION



STEP 2



STEP 3



VIEW A-A

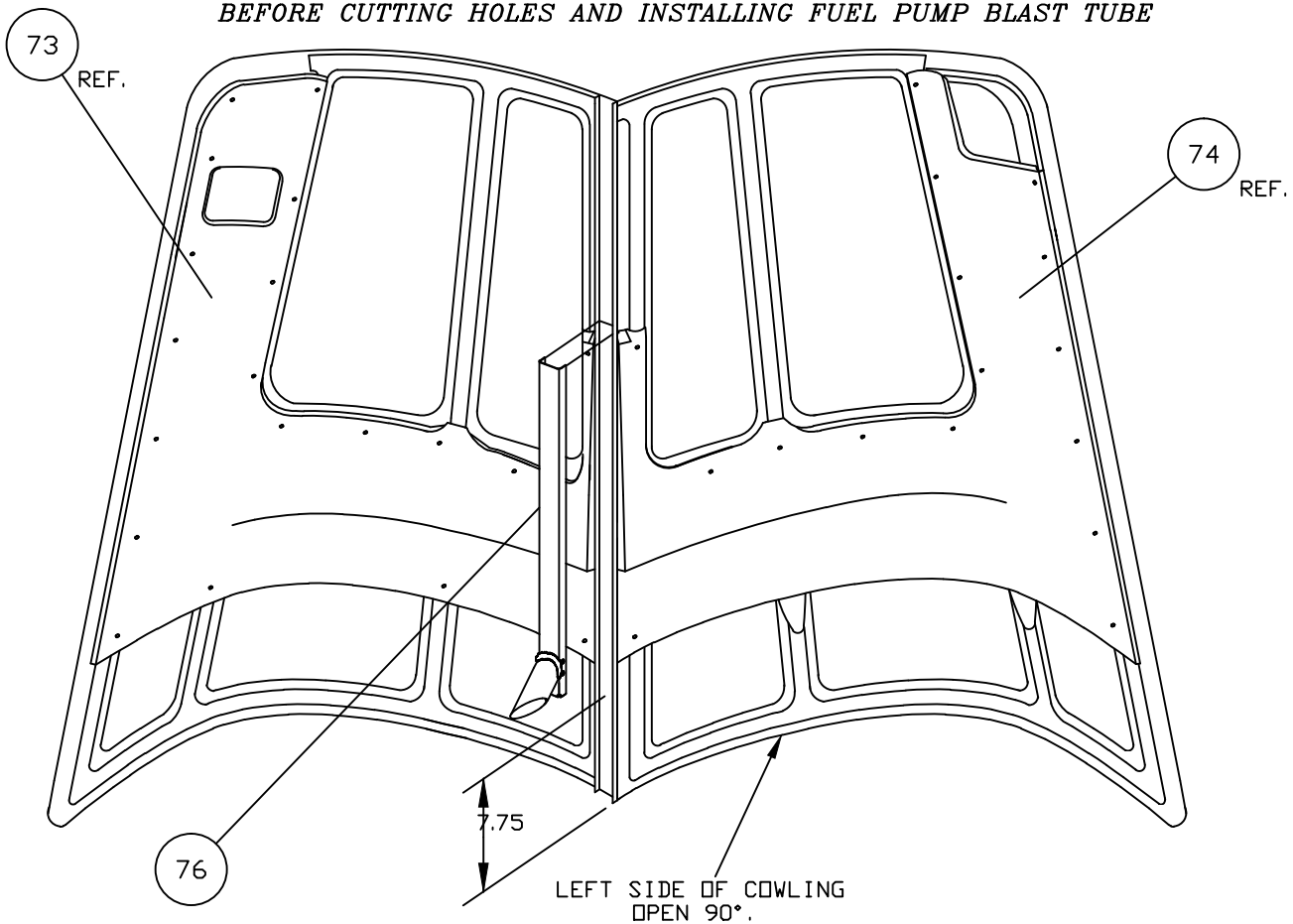
TYPICAL INSTALLATION OF
POP RIVETS
(ONCE ITEM (75) IS INSTALLED)

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	INSTALLATION OF COWLING HOSE HOLDER OPTION "A"
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	D'SHANNON PRODUCTS, LTD
	DWG. No.DSP-IM96-1-26A REVISION A
	SCALE: NONE DATE 11/06/09 SH 2 OF 2

REVISION RECORD			
LTR.	CHANGES	BY	DATE
NC	RELEASED	D. B.	11/06/09
A	REVISE DRAWING NUMBER AND RIVET	D. B.	03/25/11

– WARNING –

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



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

ITEM (73) IS REFERENCED FROM DSP-IM96-1-25, SHEET 1

ITEM (74) IS REFERENCED FROM DSP-IM96-1-25, SHEET 1

ITEM	QTY	PART No.	DESCRIPTION
79	6	AD44H	POP RIVET
78	A. R.	G. E. SILICONE II	SILICONE SEALANT
76	1	242016Z	AIR DISCHARGE TUBE ASSEMBLY

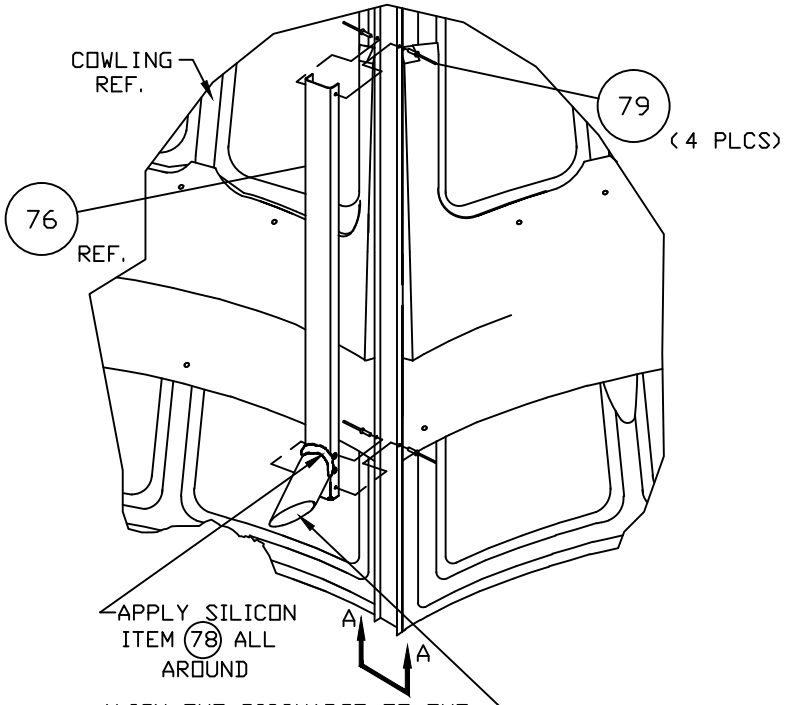
NEXT ASSY:
DRAWN BY: D. B.
ENGINEER: D. BRAUN
CHECKED BY: D. B.

INSTALLATION OF COWLING HOSE HOLDER OPTION "B"

TOLERANCES
.X__.10 .XXX__.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

D'SHANNON PRODUCTS, LTD

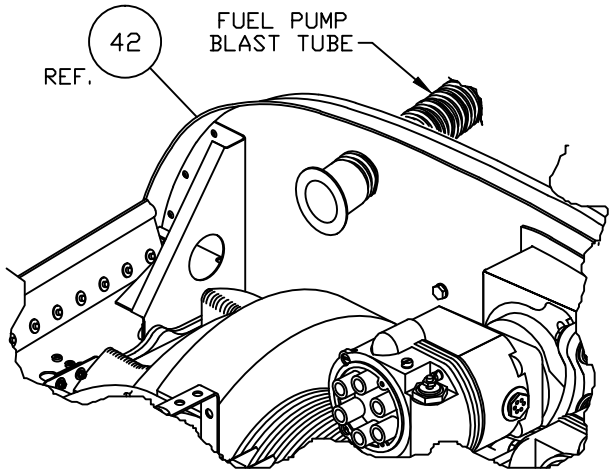
DWG. No. DSP-IM96-1-26B | REVISION A
SCALE: NONE | DATE 11/06/09 | SH 1 OF 2



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

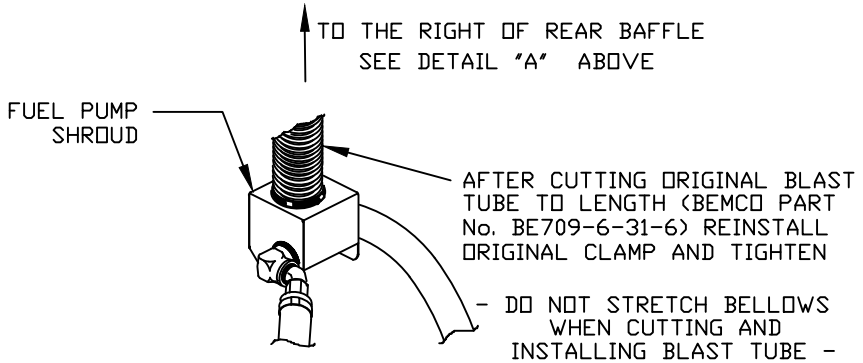
ONLY FOR PRESSURE PUMP SYSTEM NOT FOR D'SHANNON PRODUCTS WET VACUUM PUMP STC'D SYSTEM

STEP 1

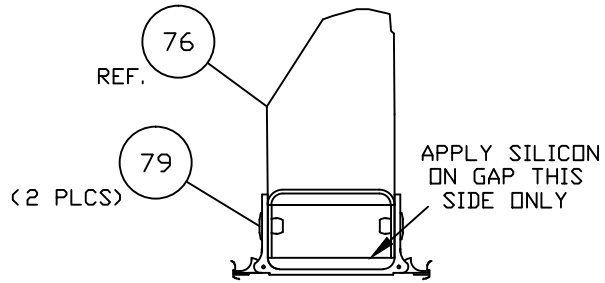


FUEL PUMP BLAST TUBE INSTALLATION TO THE RIGHT OF REAR BAFFLE AS HIGH AS PRACTICAL

STEP 2



STEP 3



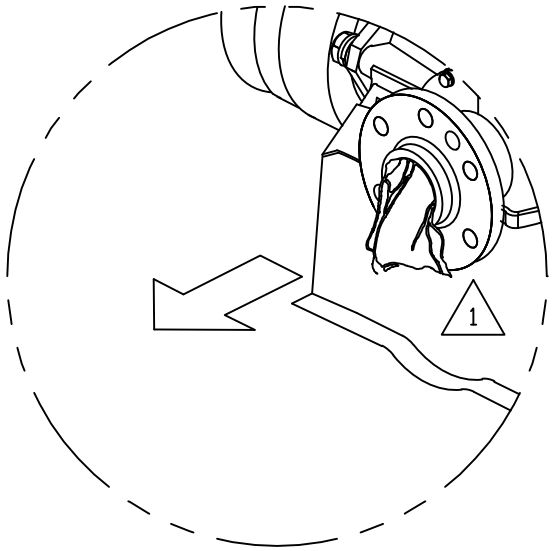
VIEW A-A

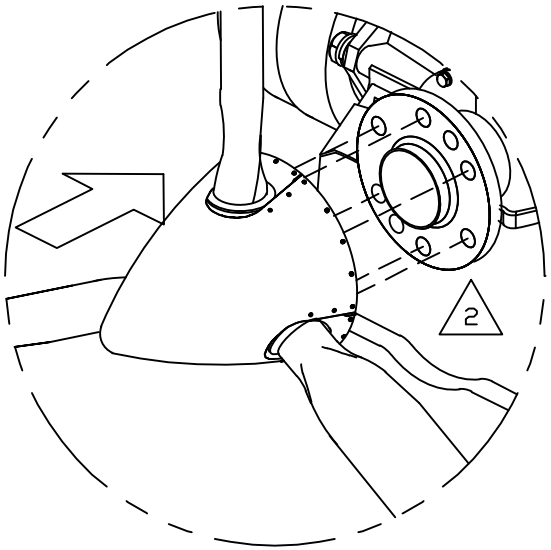
TYPICAL INSTALLATION OF POP RIVETS
(ONCE ITEM (76) IS INSTALLED)

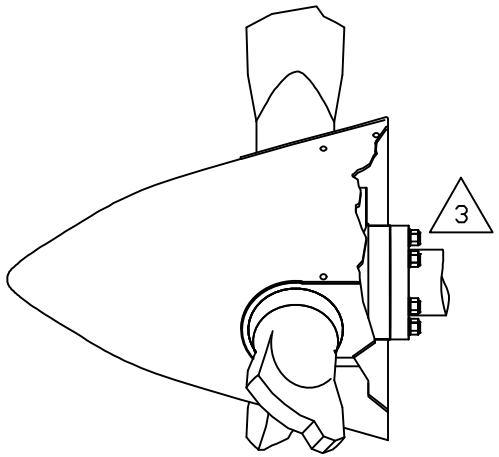
ITEM (42) IS REFERENCED FROM DSP-IM96-1-20, SHEET 1

NEXT ASSY: DRAWN BY: D. B. ENGINEER: D. BRAUN CHECKED BY: D. B.	INSTALLATION OF COWLING HOSE HOLDER OPTION "B"
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED	D'SHANNON PRODUCTS, LTD
	DWG. No.DSP-IM96-1-26B REVISION A
	SCALE: NONE DATE 11/06/09 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







NOTES:

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

ITEM	QTY	PART No.	
NEXT ASSY: DRAWN BY: K. R. S. ENGINEER: D. BRAUN CHECKED BY: D. B.			INSTALLATION OF PROPELLER
TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED			D'SHANNON PRODUCTS, LTD
DWG. No. DSP-IM95-1-27		REVISION	A
SCALE: NONE	DATE 04/24/09	SH 1 OF 1	