| REVISION RECORD | | | |
|---|---|---|---|
| LTR. | CHANGES | BY | DATE |
| NC | RELEASED | D. B. | 03/08/10 |
| A | AIR CONDITIONING CHANGES | D. B. | 11/11/10 |
| B | ADD MODEL G58 | D. B. | 02/22/12 |
| C | RECONCILE REV LEVELS | W. E. | 7/8/15 |

*D'Shannon Products, LTD*

# INSTALLATION MANUAL

# DSP-IM95-4, Rev. C

STC No. SA09220SC

WITH I0-550C OR I0-520C OR CB

OPTION A

ENGINE BAFFLES BARON 58/55 WITH A/C,
WITH NACA COOLING SCOOPS,
TOP SCOOPS, AND LOUVERS.

OPTION B ✓

ENGINE BAFFLES BARON 58/55 WITH A/C

OPTION C

ENGINE BAFFLES BARON 55 WITHOUT A/C

INSTALLATION DRAWINGS
AND
INSTRUCTIONS FOR

BEECH BARON 95-C55, D55, E55, 58, 58A AND G58.

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

| | | |
|---|---|---|
| NEXT ASSY:<br>DRAWN BY: W. E.<br>ENGINEER: R. R.<br>CHECKED BY: L. L. | COVER PAGE | |
| TOLERANCES<br>.X___.10 .XXX___.01<br>.XX__.03 .XXXX_.001<br>ANGLES ±5%<br>UNLESS STATED | *D'SHANNON PRODUCTS, LTD* | |
| | DWG. No. DSP-IM95-4-1B | REVISION C |
| | SCALE: NONE | DATE 7/8/15 SH 1 OF 1 |

# NUMERICAL DRAWING LIST CONTROL OPTION "B"

| DWG. No. | DATED | REV. | | No. SHTS | EFF. EO | EO | EO | EO | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|
| DSP-IM95-4-1B | 7/8/15 | C | | 1 | | | | | COVER PAGE |
| DSP-IM95-4-2A | 7/8/15 | C | | 1 | | | | | NUMERICAL DWG LIST "OPTION B" |
| DSP-IM95-4-3 | 03/08/10 | NC | | 1 | | | | | GENERAL NOTES |
| DSP-IM95-4-5A | 7/8/15 | B | | 3 | | | | | INSTALLATION BILL OF MATERIALS "OPTION B" |
| DSP-IM95-1-4 | 7/8/15 | B | | 2 | | | | | REMOVAL OF THE PROPELLER AND INTAKE PIPES |
| DSP-IM95-1-5 | 7/8/15 | B | | 1 | | | | | REMOVAL OF THE ALTERNATOR AND PROP. GOVERNOR |
| DSP-IM95-4-6 | 7/8/15 | A | | 4 | | | | | INSTALLATION, BAFFLE INNER CYLINDER |
| DSP-IM95-4-7A | 03/08/10 | NC | | 1 | | | | | INSTALLATION FRONT CYLINDER BAFFLE ASSY. |
| DSP-IM95-4-8 | 03/08/10 | NC | | 1 | | | | | REINSTALLATION PROP. GOVERNOR WITH BRACKET |
| DSP-IM95-4-9 | 11/11/10 | A | | 4 | | | | | INSTALLATION BAFFLE FRONT |
| DSP-IM95-4-10 | 7/8/15 | B | | 5 | | | | | INSTALLATION ALTERNATOR BAFFLE |
| DSP-IM95-4-11 | 11/11/10 | A | | 2 | | | | | INSTALLATION BAFFLE NOSE |
| DSP-IM95-4-12 | 11/11/10 | A | | 3 | | | | | REINSTALLATION ALTERNATOR |
| DSP-IM95-4-13 | 11/11/10 | A | | 1 | | | | | INSTALLATION FRONT GASKET |
| 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-IM95-4-14A | 03/08/10 | NC | | 3 | | | | | INSTALLATION OF REAR #2 BAFFLE |
| DSP-IM95-4-16 | 7/8/15 | A | | 2 | | | | | INSTALLATION BAFFLE REAR LEFT |
| DSP-IM95-4-17 | 7/8/15 | A | | 5 | | | | | INSTALLATION BAFFLE REAR RIGHT |
| DSP-IM95-4-17A | 7/8/15 | A | | 6 | | | | | INSTALLATION BAFFLE REAR RIGHT W/ AC |
| DSP-IM95-4-18 | 7/8/15 | B | | 1 | | | | | INSTALLATION GASKET BAFFLE REAR CENTER |
| DSP-IM95-4-19 | 7/8/15 | B | | 5 | | | | | INSTALLATION OF SIDE BAFFLES |
| DSP-IM95-4-20 | 03/08/10 | NC | | 3 | | | | | INSTALLATION OF BAFFLE COWLING PLATES |
| 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 | AIR CONDITIONING CHANGES | D. B. | 11/11/10 |
| B | ADD MODEL G58 | D. B. | 02/22/12 |
| C | RECONCILE REV LEVELS | W. E. | 7/8/15 |

| | | |
|---|---|---|
| NEXT ASSY:<br>DRAWN BY: W. E.<br>ENGINEER: R. R.<br>CHECKED BY: L. L. | NUMERICAL DWG LIST "OPTION B" | |
| TOLERANCES<br>.X__.10 .XXX__.01<br>.XX_.03 .XXXX_.001<br>ANGLES ±5%<br>UNLESS STATED | D'SHANNON PRODUCTS, LTD | |
| | DWG. No. DSP-IM95-4-2A | REVISION C |
| | SCALE: NONE DATE 7/8/15 | SH 1 OF 1 |

| REVISION RECORD | | | |
|---|---|---|---|
| LTR. | CHANGES | BY | DATE |
| NC | REVISED FOR SPELLING AND CLARITY & RELEASED | D. B. | 03/08/10 |

**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 PORT CYLINDERS HAS BEEN NOTED BY SIMPLY ROTATING THE MAGNETOS UPWARDS AS FAR AS POSSIBLE WITHOUT INTERFERING WITH THE NACELLE; AND ROUTING THE LEFT 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 NACELLE.
3. LOUVER SIDE PANELS AND NACELLE SCOOPS (SEE DSP-IM95-4, OPTION A) ARE AN OPTIONAL PART OF THIS INSTALLATION.
4. PRIOR TO COWLING INSTALLATION MAINTAIN A 1/8" CLEARANCE BETWEEN THE SEAL AND THE COWLING PLATES INSTALLED BY THIS KIT.
5. TEFLON TAPE MAY BE INSTALLED TO THE ADJACENT WEARING SURFACE TO MINIMIZE SEAL WEAR.

| | | |
|---|---|---|
| NEXT ASSY:<br>DRAWN BY: D. B.<br>ENGINEER: D. BRAUN<br>CHECKED BY: D. B. | GENERAL NOTES | |
| TOLERANCES<br>.X___.10 .XXX___.01<br>.XX_.03 .XXXX_.001<br>ANGLES ±5%<br>UNLESS STATED | *D'SHANNON PRODUCTS, LTD* | |
| | DWG. No. DSP-IM95-4-3 | REVISION NC |
| | 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 |
|---|---|---|---|---|
| 47 | DSP-IM95-4-13 | 72 | AD46H | POP RIVET |
| 46 | DSP-IM95-4-20 | 36 | AD44H | POP RIVET |
| 45 | DSP-IM95-4-17A | 0/4 | MS35206-231 | PAN HEAD MACHINE SCREW |
| 44 | DSP-IM95-4-16 | 18 | AN3-4A | BOLT UNDRILLED # 10-32 |
| 43 | DSP-IM95-4-6/16/17/17A | 28 | MS21042-3 | REDUCED DIMENSION LOCKNUT |
| 42 | DSP-IM95-4-10/17/17A/18/19 | 44 | MS21042-06 | REDUCED DIMENSION LOCKNUT |
| 41 | DSP-IM95-4-6/10/16/17/17A | 60 | AN960-10 | FLAT WASHER |
| 40 | DSP-IM95-4-10/14A/17/17A/18/19 | 48 | AN960C6 | FLAT WASHER |
| 39 | DSP-IM95-4-10/16/17/17A | 14 | AN3-3A | BOLT UNDRILLED # 10-32 |
| 38 | DSP-IM95-4-9/13/17/17A/18 | 12 | AN526C632R8 | TRUSS HEAD MACHINE SCREW |
| 37 | DSP-IM95-4-9/11 | 22 | AN526C632R6 | TRUSS HEAD MACHINE SCREW |
| 36 | DSP-IM95-1-16 | 2 | AN936A-616 | INTERNAL TOOTH LOCKWASHER |
| 35 | DSP-IM95-1-16 | 2 | AN960-616 | FLAT WASHER |
| 34 | DSP-IM95-1-16 | 2 | AN76A-06 OR MS20074-06-06 | DRILLED HEAD BOLTS |
| 33 | DSP-IM95-1-16 | 2 | 244005Z | #2 CYLINDER/OIL COOLER CASE BRACKET ASSEMBLY |
| 32 | DSP-IM95-4-20 | 2 | BCP-001 | COWLING PLATE MAIN |
| 31 | DSP-IM95-4-6 | 2 | 244020Z-1 | INNER CYLINDER BOTTOM LARGE SLOT BAFFLE ASSY |
| 30 | | | | |
| 29 | DSP-IM95-4-6 | 6 | 244018Z | INNER CYLINDER BOTTOM BAFFLE ASSY |
| 28 | DSP-IM95-4-6 | 8 | 244093 | ROD CONNECTOR CYLINDER INNER |
| 27 | DSP-IM95-4-6 | 8 | 244052 | SUPPORT ENGINE BAFFLE |
| 26 | DSP-IM95-4-19 | 2 | BS-A02 | BAFFLE SIDE LEFT ASSEMBLY |
| 25 | DSP-IM95-4-19 | 2 | BS-A01 | BAFFLE SIDE RIGHT ASSEMBLY |
| 24 | DSP-IM95-4-19 | 8 | 244047 | BRACKET BAFFLE SIDE |
| 23 | DSP-IM95-4-19 | 8 | 244045 | BRACKET BAFFLE SIDE |
| 22 | | | | |
| 21 | DSP-IM95-4-17/17A | 2 | BBR-010 | STIFFENER BAFFLE REAR RIGHT |
| 20 | DSP-IM95-4-17/17A | 2 | BBR-005-1 | STARTER STUD BRACKET |
| 19 | | | | |
| 18 | | | | |
| 17 | DSP-IM95-4-17/17A | 2 | 244011Z | #1 CYLINDER LOWER FORWARD BAFFLE ASSEMBLY |
| 16 | | | | |
| 15 | | | | |
| 14 | DSP-IM95-4-13 | 2 | BFR-06 | GASKET RETAINER |
| 13 | DSP-IM95-4-13 | 2 | BFR-05 | GASKET RETAINER |
| 12 | DSP-IM95-4-13 | 2 | BFR-04 | GASKET RETAINER |
| 11 | DSP-IM95-4-13 | 2 | BFR-03 | GASKET RETAINER |
| 10 | DSP-IM95-4-13 | 2 | BFR-02 | GASKET RETAINER |
| 9 | DSP-IM95-4-13 | 2 | BFR-01 | GASKET RETAINER |
| 8 | DSP-IM95-4-13 | 2 | BFG-01 | GASKET FRONT BAFFLE |
| 7 | DSP-IM95-4-11 | 2/1 | BNR-04 | GASKET RETAINER |
| 6 | DSP-IM95-4-9 | 2/1 | BBF-007-1 | COVER BAFFLE FRONT |
| 5 | DSP-IM95-4-10 | 2 | BAB-007 | BRACKET ALTERNATOR BOX BARON |
| 4 | DSP-IM95-4-8 | 2 | BBF-A04 | BRACKET ASSEMBLY |
| 3 | | | | |
| 2 | DSP-IM95-4-10 | 2 | BAB-001 | BAFFLE ALTERNATOR BOX BARON |
| 1 | | | | |

| REVISION RECORD | | | |
|---|---|---|---|
| LTR. | CHANGES | BY | DATE |
| NC | MINOR CHANGES TO TITLES AND DWG NO. IN BOM | D. B. | 03/08/10 |
| A | AIR CONDITIONING CHANGES | D. B. | 11/11/10 |
| B | ADDED MS526C632R12 | W. E. | 7/8/15 |

ITEM (45) IS USED ONLY ON INSTALLATIONS WITH AIR CONDITIONING.

ITEMS (6) AND (7) ARE USED ON INSTALLATIONS WITHOUT AIR CONDITIONING (TWO PER AIRCRAFT). OMIT ONE ITEM (6) AND (7) ON INSTALLATIONS WITH AIR CONDITIONING.

| | |
|---|---|
| NEXT ASSY: | INSTL BILL OF MATERIALS "OPTION B" |
| DRAWN BY: W. E. | |
| ENGINEER: R. R. | |
| CHECKED BY: L. L. | |
| TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED | D'SHANNON PRODUCTS, LTD |
| DWG. No. DSP-IM95-4-5A | REVISION B |
| SCALE: NONE | DATE 7/8/15 |
| SH 1 OF 3 | |

| ITEM | LOCATION OF ITEMS | QTY. | PART NUMBER | D E S C R I P T I O N |
|---|---|---|---|---|
| 90 | | | | |
| 89 | DSP-IM95-4-10/14A/17/17A/19 | 98 | MS35206-227 | PAN HEAD MACHINE SCREW |
| 88 | DSP-IM95-4-8 | 8 | AN960-516L | FLAT WASHER |
| 87 | DSP-IM95-4-20 | 2 | BCP-003 | COWLING PLATE RIGHT |
| 86 | DSP-IM95-4-17 | 2/1 | BBR-A02 | BAFFLE REAR RIGHT ASSEMBLY |
| 85 | DSP-IM95-4-14A | 2 | BOC-A02 | #2 CYLINDER VERTICAL HEAD BAFFLE ASSEMBLY |
| 84 | DSP-IM95-4-14A | 2 | BOC-A01-1 | #2 CYLINDER LOWER AFT BAFFLE ASSEMBLY |
| 83 | DSP-IM95-4-16 | 2 | BBR-A01-1 | BAFFLE REAR LEFT ASSEMBLY |
| 82 | DSP-IM95-4-20 | 2 | BCP-002 | COWLING PLATE LEFT |
| 81 | | | | |
| 80 | | | | |
| 79 | DSP-IM95-4-17A | 0/1 | BBR-004-2 | BRACKET WITH AC |
| 78 | DSP-IM95-4-17A | 0/1 | BBR-A02-1 | BAFFLE REAR RIGHT ASSY WITH AC |
| 77 | DSP-IM95-4-6 | 8 | NAS679A3 | LOW HEIGHT HEX. LOCKNUT |
| 76 | | | | |
| 75 | | | | |
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| 54 | | | | |
| 53 | | | | |
| 52 | DSP-IM95-4-18 | 2 | MS526C632R12 | TRUSS HEAD MACHINE SCREW |
| 51 | DSP-IM95-4-6/9/11/12/13/19/20 | AR | G.E. SILICONE II | SILICONE |
| 50 | DSP-IM95-4-20 | AR | CS3204 B2 | SEALANT |
| 49 | DSP-IM95-4-10 | 4/7 | MS35206-228 | PAN HEAD MACHINE SCREW |
| 48 | DSP-IM95-4-19 | 8 | AN931-4-7 | ELASTIC GROMMET |

NOTES:

ITEM (49) USE FOUR PER AIRCRAFT ON INSTALLATIONS WITHOUT AIR COND., USE SEVEN PER AIRCRAFT ON INSTALLATIONS WITH AIR CONDITIONING.

ITEM (86) IS USED ON INSTALLATIONS WITHOUT AIR CONDITIONING (TWO PER AIRCRAFT). USE ONE ITEM (86) AND ONE ITEM (78) ON AIRCRAFT WITH AIR CONDITIONING.

ITEM (79) IS USED ONLY ON INSTALLATIONS WITH AIR CONDITIONING.

| | |
|---|---|
| NEXT ASSY: | INSTL BILL OF MATERIALS "OPTION B" |
| DRAWN BY: W. E. | |
| ENGINEER: R. R. | |
| CHECKED BY: L. L. | |
| TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED | D'SHANNON PRODUCTS, LTD |
| DWG. No. DSP-IM95-4-5A | REVISION B |
| SCALE: NONE | DATE 7/8/15 |
| SH 2 OF 3 | |

| ITEM | LOCATION OF ITEMS | QTY. | PART NUMBER | D E S C R I P T I O N |
|---|---|---|---|---|
| 134 | DSP-IM95-4-16 | 2 | AN507632-R6 | FLAT HEAD MACHINE SCREW |
| 133 | | | | |
| 132 | | | | |
| 131 | | | | |
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| 127 | | | | |
| 126 | | | | |
| 125 | | | | |
| 124 | | | | |
| 123 | DSP-IM95-4-18 | 2 | BRG-006-2 | GASKET BAFFLE REAR CENTER |
| 122 | DSP-IM95-4-11 | 2 | BNF-A01 | BAFFLE NOSE ASSEMBLY |
| 121 | DSP-IM95-4-9 | 2 | BBF-A03 | BRACKET ASSEMBLY |
| 120 | DSP-IM95-4-9 | 2 | BBF-A02 | BRACKET ASSEMBLY |
| 119 | DSP-IM95-4-9 | 2 | BBF-A01 | BAFFLE FRONT ASSEMBLY |
| 118 | DSP-IM95-4-10 | 2 | 244021Z | BRACKET ALTERNATOR BAFFLE ASSEMBLY |
| 117 | DSP-IM95-4-10 | 2 | BAB-A03 | BRACKET ALTERNATOR BOX BARON ASSEMBLY |
| 116 | DSP-IM95-4-10 | 2 | BAB-A02 | BAFFLE ALTERNATOR BOX BARON ASSEMBLY |
| 115 | DSP-IM95-4-10 | 2 | BAB-A01 | ALTERNATOR BOX BARON ASSEMBLY |
| 114 | DSP-IM95-4-7A | 2 | BBF-A05-A | BAFFLE FRONT ASSEMBLY |
| 113 | | | | |
| 112 | | | | |
| 111 | | | | |
| 110 | DSP-IM95-4-13 | 2 | BFR-07-A | GASKET RETAINER |
| 109 | | | | |
| 108 | | | | |
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| 106 | | | | |
| 105 | | | | |
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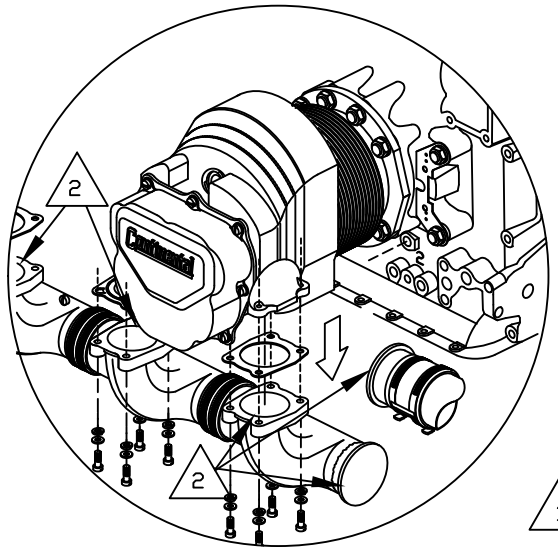
NOTES:

| | |
|---|---|
| NEXT ASSY:<br>DRAWN BY: W. E.<br>ENGINEER: R. R.<br>CHECKED BY: L. L. | INSTL BILL OF MATERIALS "OPTION B" |
| TOLERANCES<br>.X___.10 .XXX___.01<br>.XX__.03 .XXXX_.001<br>ANGLES ±5%<br>UNLESS STATED | *D'SHANNON PRODUCTS, LTD* |
| DWG. No. DSP-IM95-4-5A | REVISION B |
| SCALE: NONE | DATE 7/8/15 \| SH 3 OF 3 |

| 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 |

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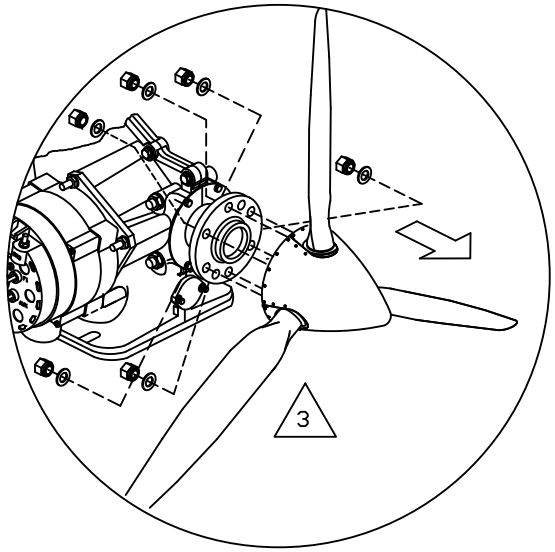


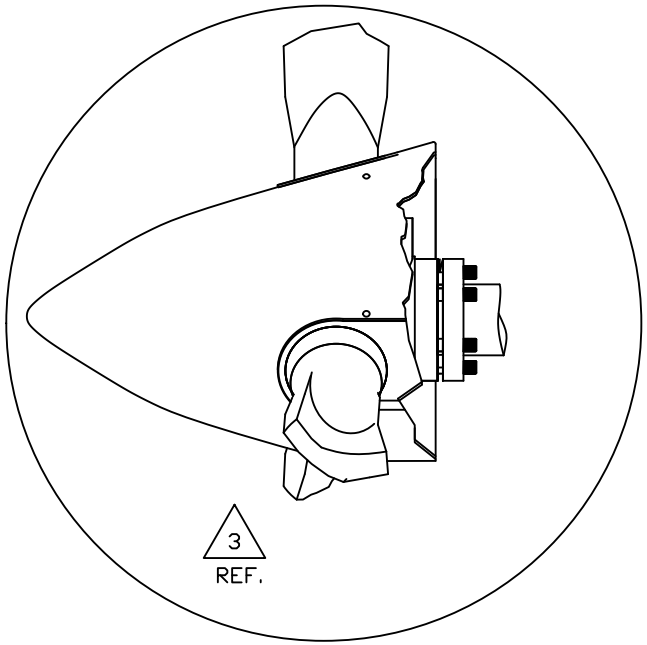

NOTES:

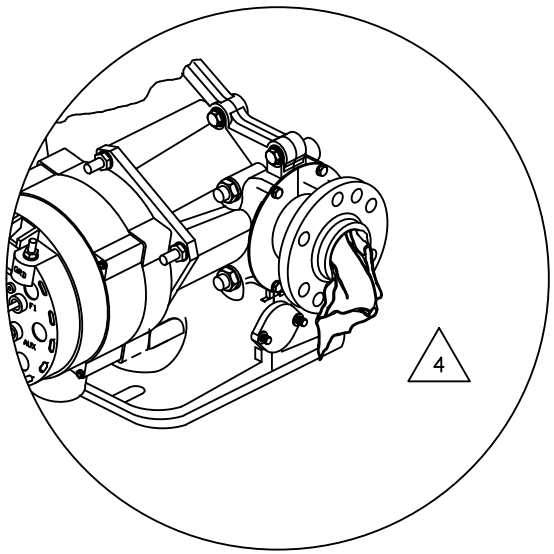
3 REMOVE THE PROPELLER FOR EASIER INSTALLATION OF THE BAFFLES IN THE FRONT OF THE ENGINE.

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: W. E. | | | REMOVAL OF PROP. AND INTAKE PIPES |
| 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% | | | |
| UNLESS STATED | | SCALE: NONE DATE 7/2/15 | SH 1 OF 2 |



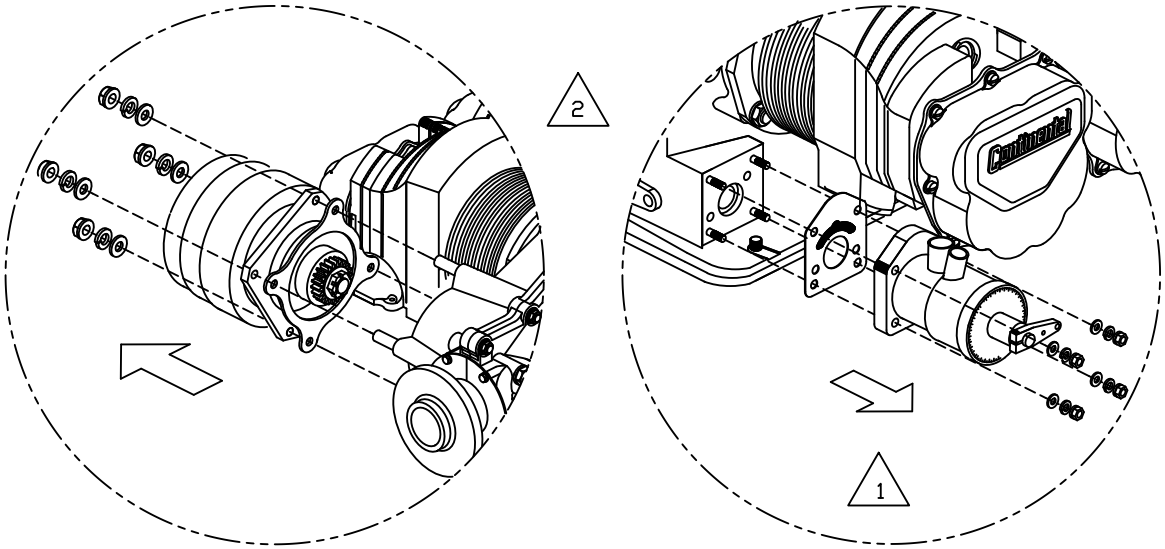

NOTES:

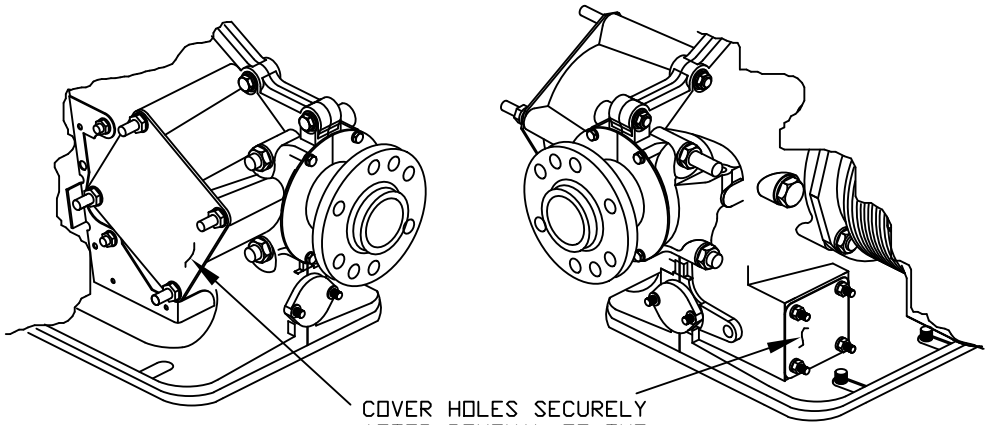
4 WHEN THE PROPELLER HAS BEEN REMOVED CAP THE END OF THE PROPELLER SHAFT. REMOVE THE STAPLES AROUND THE BAFFLE BELOW THE PROPELLER SHAFT AND THE BAFFLE THAT COVERS THE PROP GOVERNOR. REMOVE THE RUBBER IN ITS ENTIRETY. CLEAN OFF ANY RESIDUE AND ANY MATERIAL THAT COULD GET INTO AN OPEN ENGINE.

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

| | | |
|---|---|---|
| NEXT ASSY:<br>DRAWN BY: W. E.<br>ENGINEER: R. R.<br>CHECKED BY: L. L. | REMOVAL OF PROP. AND INTAKE PIPES | |
| TOLERANCES<br>.X___.10 .XXX___.01<br>.XX_.03 .XXXX_.001<br>ANGLES ±5%<br>UNLESS STATED | *D'SHANNON PRODUCTS, LTD* | |
| | DWG. No. DSP-IM95-1-4 | 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 | MOVED NOTES. REMOVED SH 2 | D. B. | 03/08/10 |
| B | CLARIFY NOTES | W. E. | 7/8/15 |



COVER HOLES SECURELY
AFTER REMOVAL OF THE
GOVERNOR AND ALTERNATOR

2 DOES NOT SHOW OLD BAFFLES

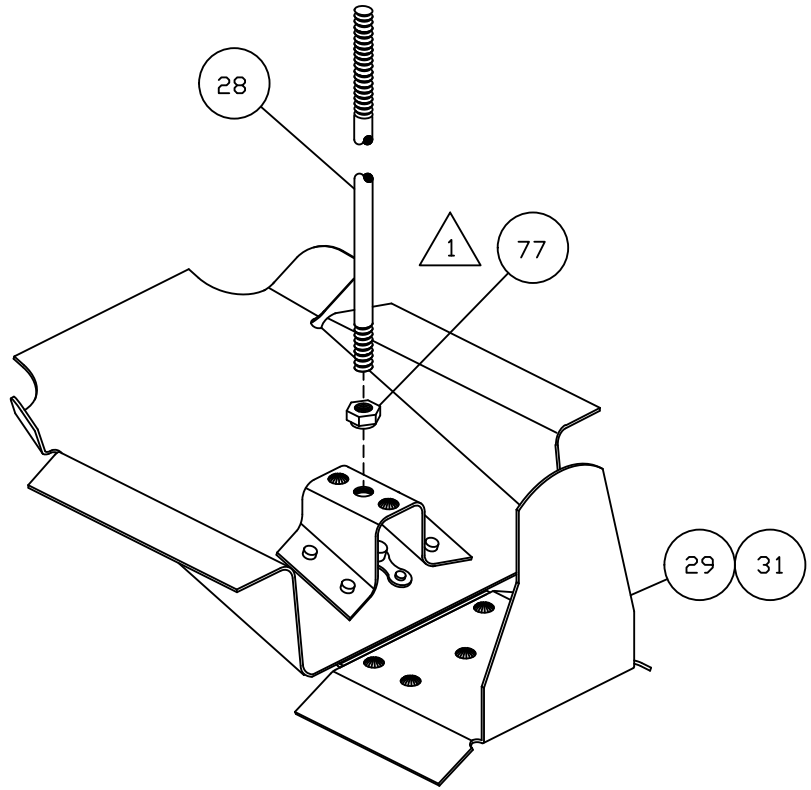
1 REMOVE ALL OLD BAFFLING FROM THE ENGINE (IF APPLICABLE). TAKE THE UTMOST CARE IN THE FOLLOWING TO PREVENT DAMAGING ENGINE GASKETS:

(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.

NOTES:

| ITEM | QTY | PART No. | MATERIAL |
|---|---|---|---|
| NEXT ASSY: | | | |
| DRAWN BY: W. E. | | | REMOVAL OF ALT. AND PROP. GOVERNOR |
| ENGINEER: R. R. | | | |
| CHECKED BY: L. L. | | | |
| TOLERANCES | | D'SHANNON PRODUCTS, LTD | |
| .X___.10 .XXX___.01 | | | |
| .XX__.03 .XXXX_.001 | | DWG. No. DSP-IM95-1-5 | REVISION B |
| ANGLES ±5% | | | |
| UNLESS STATED | | SCALE: NONE | DATE 7/8/15 SH 1 OF 1 |

| REVISION RECORD | | | |
|---|---|---|---|
| LTR. | CHANGES | BY | DATE |
| NC | RELEASED. MOVED NOTES. REMOVED SH 5 & 6 | D. B. | 03/08/10 |
| A | CLARIFY INSTRUCTIONS | W. E. | 7/8/15 |




| ITEM | QTY | PART No. | DESCRIPTION |
|---|---|---|---|
| 77 | 4 | NAS679A3 | LOW HEIGHT HEX LOCKNUT |
| 51 | A. R. | G.E. SILICONE II | SILICONE |
| 43 | 4 | MS21042-3 | REDUCED DIMENSION LOCKNUT |
| 41 | 4 | AN960-10 | FLAT WASHER |
| 31 | 1 | 244020Z-1 | INNER CYL BOTTOM LG SLOT BAFFLE ASSY |
| 29 | 3 | 244018Z | INNER CYL BOTTOM BAFFLE ASSY |
| 28 | 4 | 244093 | ROD CONNECTOR CYLINDER INNER |
| 27 | 4 | 244052 | SUPPORT ENGINE BAFFLE |

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

INSTL BAFFLE INNER CYLINDER

TOLERANCES
.X___.10 .XXX___.01
.XX__.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

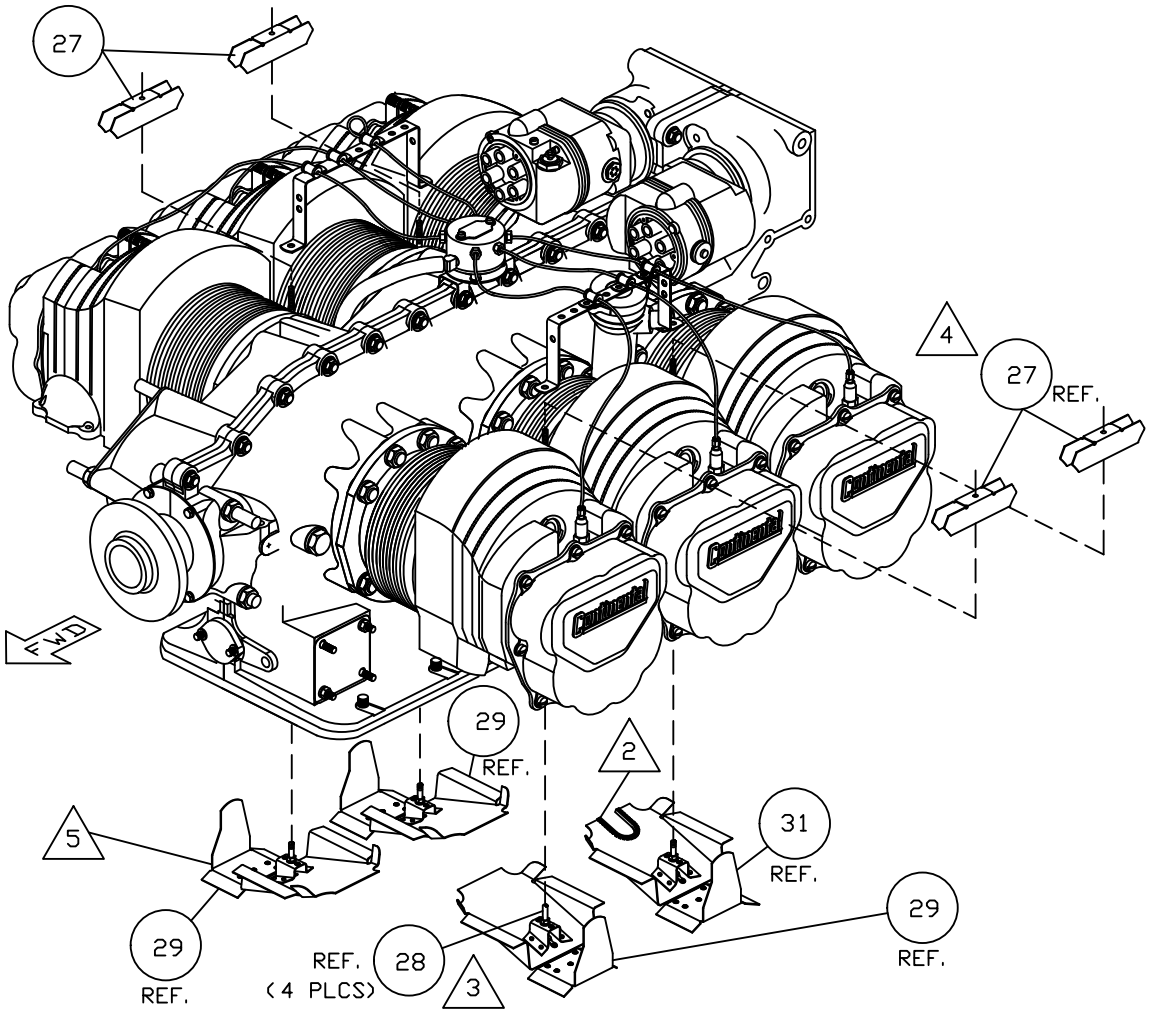
D'SHANNON PRODUCTS, LTD

DWG. No. DSP-IM95-4-6 | REVISION A
SCALE: NONE | DATE 7/8/15 | SH 1 OF 4

NOTES:

1. - CYLINDERS VIEWED UPSIDE DOWN

1 SCREW ITEM (77) TO THE END OF ITEMS (28) AND HAND TIGHTEN. PROCEED TO SCREW ITEMS (28) TO ITEM (29) OR (31) AS SHOWN.




5 REFERENCE SH 4 OF 4 FOR INSTALLING INNER CYLINDER BAFFLE CORRECTLY.

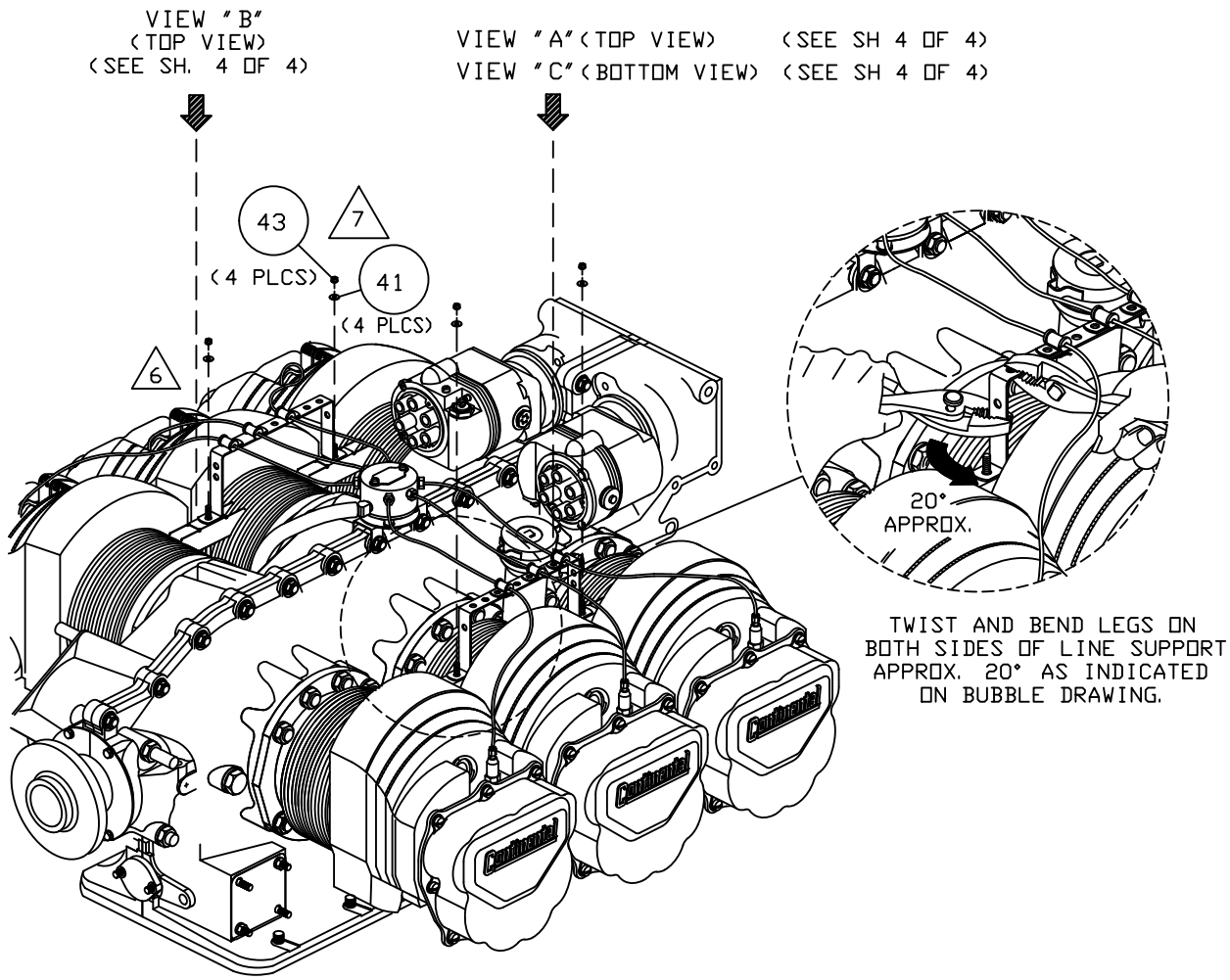
4 INSTALL SUPPORTS ITEM (27) ONTO THE RODS ITEM (28) (SEE SH. 3 OF 4 AND 4 OF 4 FOR REFERENCE).

3 POSITION INNER CYLINDER BAFFLE ITEMS (29) AND (31) BETWEEN CYLINDERS WITH RODS ITEMS (28) ALREADY SCREWED INTO NUT PLATE.

2 MAKE SURE THAT A CATERPILLAR GROMMET IS INSTALLED ON ITEM (31) WHERE THE FUEL LINE PASSES THROUGH THE INNER CYLINDER BAFFLES. GROMMET SHOULD BE GLUED IN FROM THE FACTORY, DO NOT PROCEED IF GROMMET IS MISSING, CALL CUSTOMER SUPPORT.

NOTES:

| | | | |
|---|---|---|---|
| NEXT ASSY:<br>DRAWN BY: W. E.<br>ENGINEER: R. R.<br>CHECKED BY: L. L. | INSTL BAFFLE INNER CYLINDER | | |
| TOLERANCES<br>.X___.10 .XXX___.01<br>.XX__.03 .XXXX_.001<br>ANGLES ±5%<br>UNLESS STATED | *D'SHANNON PRODUCTS, LTD* | | |
| | DWG. No. DSP-IM95-4-6 | REVISION A | |
| | SCALE: NONE | DATE 7/8/15 | SH 2 OF 4 |

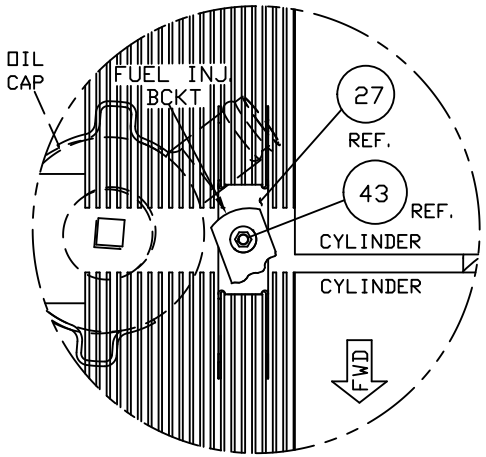



NOTES:

7 TIGHTEN LOCKNUT, ITEM (43) BEING SURE NOT TO BOW THE LEGS OF ITEM (27)

6 AFFIX FACTORY INSTALLED LINE SUPPORT ONTO INNER CYLINDER ROD CONNECTOR USING ITEM (41) AND (43) AND TIGHTEN, AS SHOWN IN THIS DRAWING. FOR FURTHER REFERENCE SEE SH. 4 OF 4

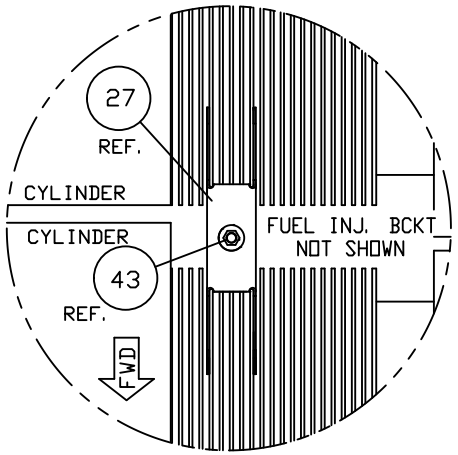
| | |
|---|---|
| NEXT ASSY: | INSTL BAFFLE INNER CYLINDER |
| DRAWN BY: W. E. | |
| ENGINEER: R. R. | |
| CHECKED BY: L. L. | |
| TOLERANCES .X___.10 .XXX___.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED | D'SHANNON PRODUCTS, LTD |
| DWG. No. DSP-IM95-4-6 | REVISION A |
| SCALE: NONE | DATE 7/8/15 |
| SH 3 OF 4 | |




VIEW "A"

POSITIONING OF BAFFLE
CYL. #2 AND #4, CYL. #4 AND #6
VIEW "A", FROM SHEET 3 OF 4

7 REF.

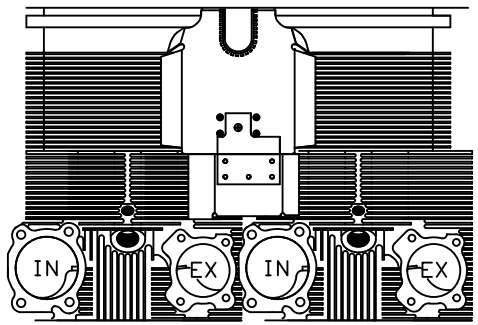


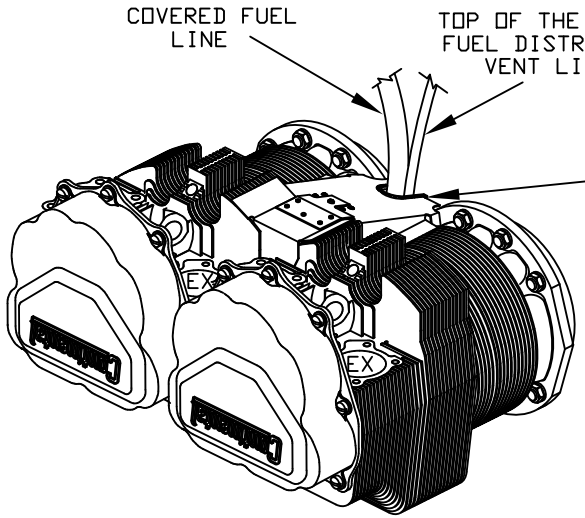

VIEW "B"

POSITIONING OF BAFFLE
CYL. #1 AND 3, CYL. #3 AND #5
VIEW "B", FROM SHEET 3 OF 4

VIEW "C"

(TYPICAL INSTALLATION FOR ALL BOTTOM INNER CYLINDER BAFFLES)
VIEW "C" FROM SHEET 3 OF 4




APPLY SILICONE TO GAPS BETWEEN ENGINE CASE AND AROUND THE AREA IN WHICH THE HOSE AND VENT LINE INTERCEPT.

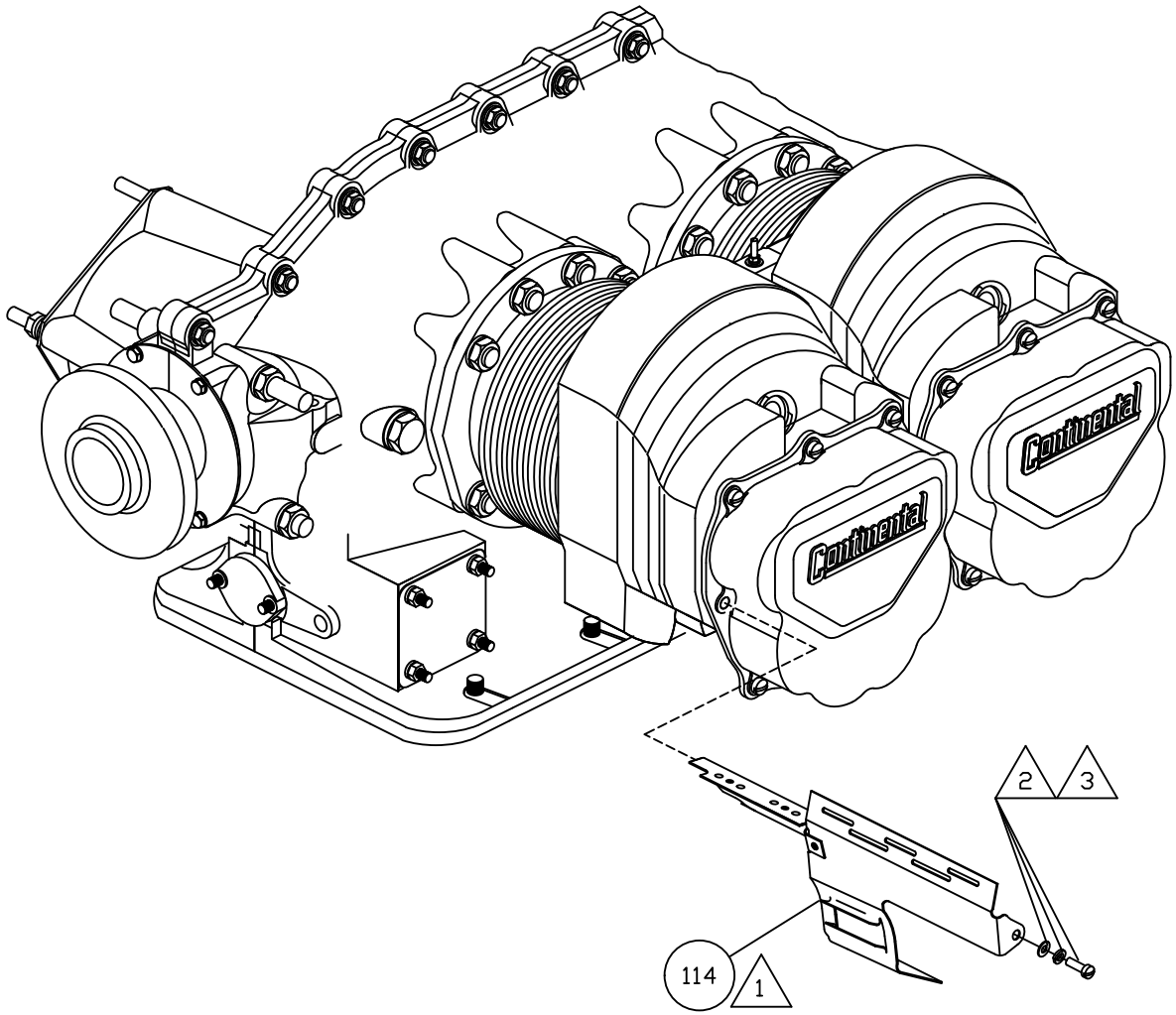
ALL INNER CYLINDER BAFFLES REQUIRE THAT ALL GAPS BETWEEN THE CASE AND THE INNER CYLINDER BAFFLE BE SEALED WITH SILICONE.

7 TIGHTEN LOCKNUT, ITEM (43) BEING SURE NOT TO BOW THE LEGS OF ITEM (27)

NOTES:

| | |
|---|---|
| NEXT ASSY: | INSTL BAFFLE INNER CYLINDER |
| DRAWN BY: W. E. | |
| ENGINEER: R. R. | |
| CHECKED BY: L. L. | |
| TOLERANCES .X__.10 .XXX__.01 .XX_.03 .XXXX_.001 ANGLES ±5% UNLESS STATED | D'SHANNON PRODUCTS, LTD |
| DWG. No. DSP-IM95-4-6 | REVISION A |
| SCALE: NONE | DATE 7/8/15 SH 4 OF 4 |

| REVISION RECORD | | | |
|---|---|---|---|
| LTR. | CHANGES | BY | DATE |
| NC | RELEASED. MOVE NOTES. REMOVE SH 2 | D. B. | 03/08/10 |




NOTES:

3 ROCKER COVER TO BE TORQUED BETWEEN 45 TO 55 IN/LB. (PER TCM SPECS.) AFTER-MARKET ROCKER BOX COVER GASKETS INSTALLATION MAY REQUIRE SPECIAL TORQUE SPECS.

2 ORIGINAL HARDWARE

1 REMOVE THE ROCKER COVER SCREW NEEDED FOR INSTALLATION, AS SHOWN ON DRAWING. INSTALL ITEM (114) ONTO THE #6 CYLINDER BEHIND THE PROP GOVERNOR IN THE SAME MANNER THAT YOU REMOVED THE OLD ONE SO IT LINES UP TIGHTLY AGAINST THE CYLINDER AND THE CYLINDER BARREL. REINSTALL THE PREVIOUSLY REMOVED ROCKER COVER SCREW

| ITEM | QTY | PART No. | DESCRIPTION |
|---|---|---|---|
| 114 | 1 | BBF-A05-A | BAFFLE FRONT ASSEMBLY |

| | |
|---|---|
| NEXT ASSY: | |
| DRAWN BY: D. B. | INSTL FRONT CYL BAFFLE ASSY |
| ENGINEER: D. BRAUN | |
| CHECKED BY: D. B. | |

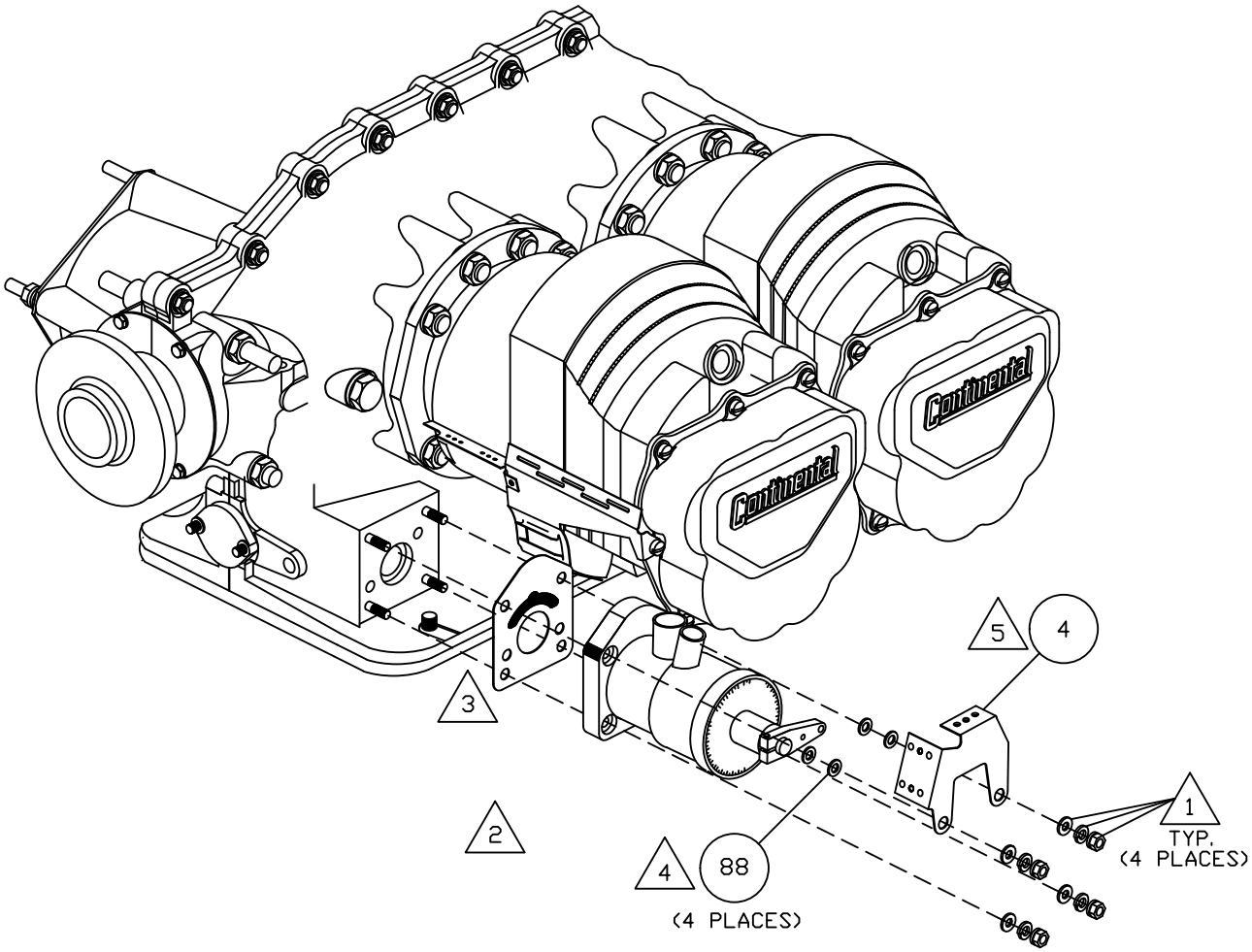
TOLERANCES
.X___.10 .XXX___.01
.XX__.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

D'SHANNON PRODUCTS, LTD

DWG. No. DSP-IM95-4-7A | REVISION NC

SCALE: NONE | DATE 03/08/10 | SH 1 OF 1

| REVISION RECORD | | | |
|---|---|---|---|
| LTR. | CHANGES | BY | DATE |
| NC | RELEASED. MOVED NOTES. REMOVED SH 2. | D. B. | 03/08/10 |




NOTES:

5. INSTALL ITEM (4) ONTO STUD, LOCK PROP GOVERNOR, PLACE NUTS AND TORQUE AS PER MANUAL.

4. INSTALL WASHER ITEM (88) ONLY IF NEEDED TO TAKE UP RECESSED INTERFACE FOUND ON SOME PROP GOVERNORS. THE WASHER WILL PROVIDE RIGID SUPPORT FOR ITEM (4).

3. INSTALL NEW SCREENED PROP GOVERNOR GASKET.

2. REMOVE PROP GOVERNOR COVER PRIOR TO INSTALL OF THE PROP GOVERNOR.

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

| ITEM | QTY | PART No. | DESCRIPTION |
|---|---|---|---|
| 88 | 4 | AN960-516L | FLAT WASHER |
| 4 | 1 | BBF-A04 | BRACKET ASSEMBLY |

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

REINSTL PROP. GOVERNOR W/ BRACKET

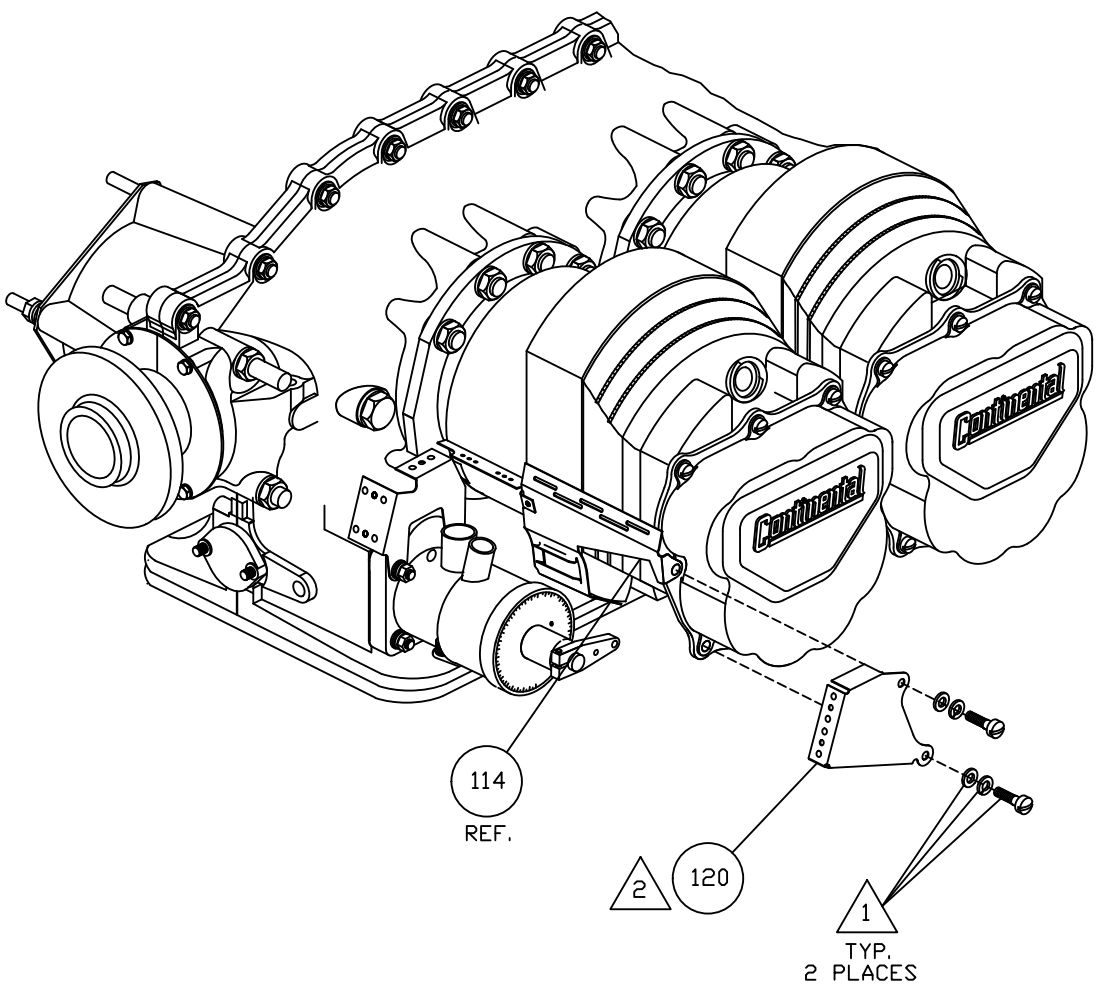
TOLERANCES
.X___.10 .XXX___.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

D'SHANNON PRODUCTS, LTD

DWG. No. DSP-IM95-4-8 | REVISION NC

SCALE: NONE | DATE 03/08/10 | SH 1 OF 1

| REVISION RECORD | | | |
|---|---|---|---|
| LTR. | CHANGES | BY | DATE |
| NC | RELEASED. MOVED NOTES. REMOVED SH 5. | D. B. | 03/08/10 |
| A | NEW FRONT BAFFLE INSTL WITH A/C | D. B. | 11/11/10 |




| ITEM | QTY | PART No. | DESCRIPTION |
|---|---|---|---|
| 37 | 9 | AN526C632R6 | TRUSS HEAD MACHINE SCREW |
| 38 | 1 | AN526C632R8 | TRUSS HEAD MACHINE SCREW |
| 51 | AR | GE SILICONE II | SILICONE SEALANT |
| 121 | 1 | BBF-A03 | BRACKET ASSEMBLY |
| 120 | 1 | BBF-A02 | BRACKET ASSEMBLY |
| 119 | 1 | BBF-A01 | BAFFLE FRONT ASSEMBLY |
| 6 | 1 | BBF-007-1 | COVER BAFFLE FRONT |

2 INSTALL ITEM (120) ONTO THE ROCKER COVER, USING THE ORIGINAL HARDWARE AS SHOWN ON DRAWING.

1 ORIGINAL HARDWARE (FOR TORQUE VALUES SEE BEECHCRAFT MANUALS)

NOTES:

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

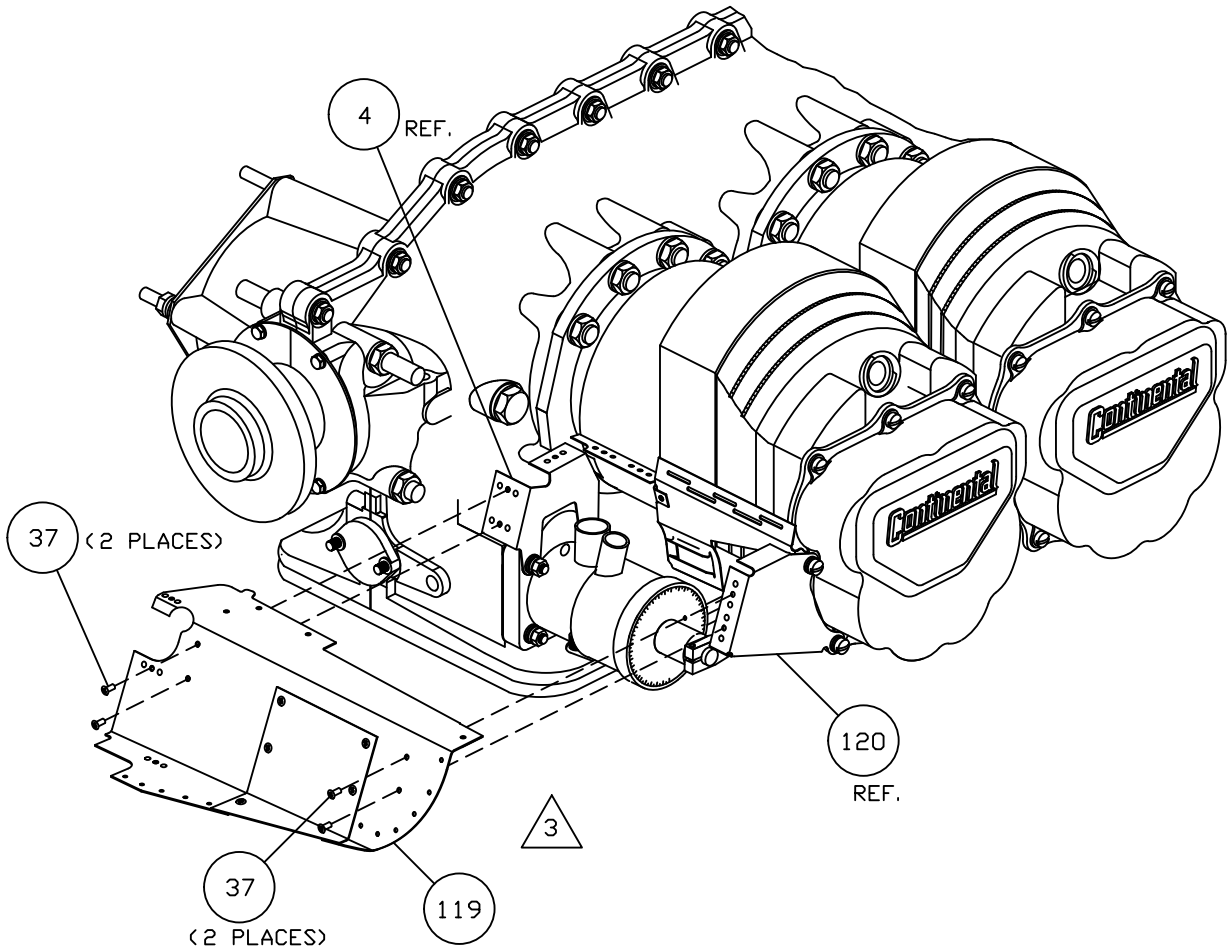
INTSTALLATION BAFFLE FRONT

TOLERANCES
.X___.10 .XXX___.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

*D'SHANNON PRODUCTS, LTD*

DWG. No. DSP-IM95-4-9 | REVISION A

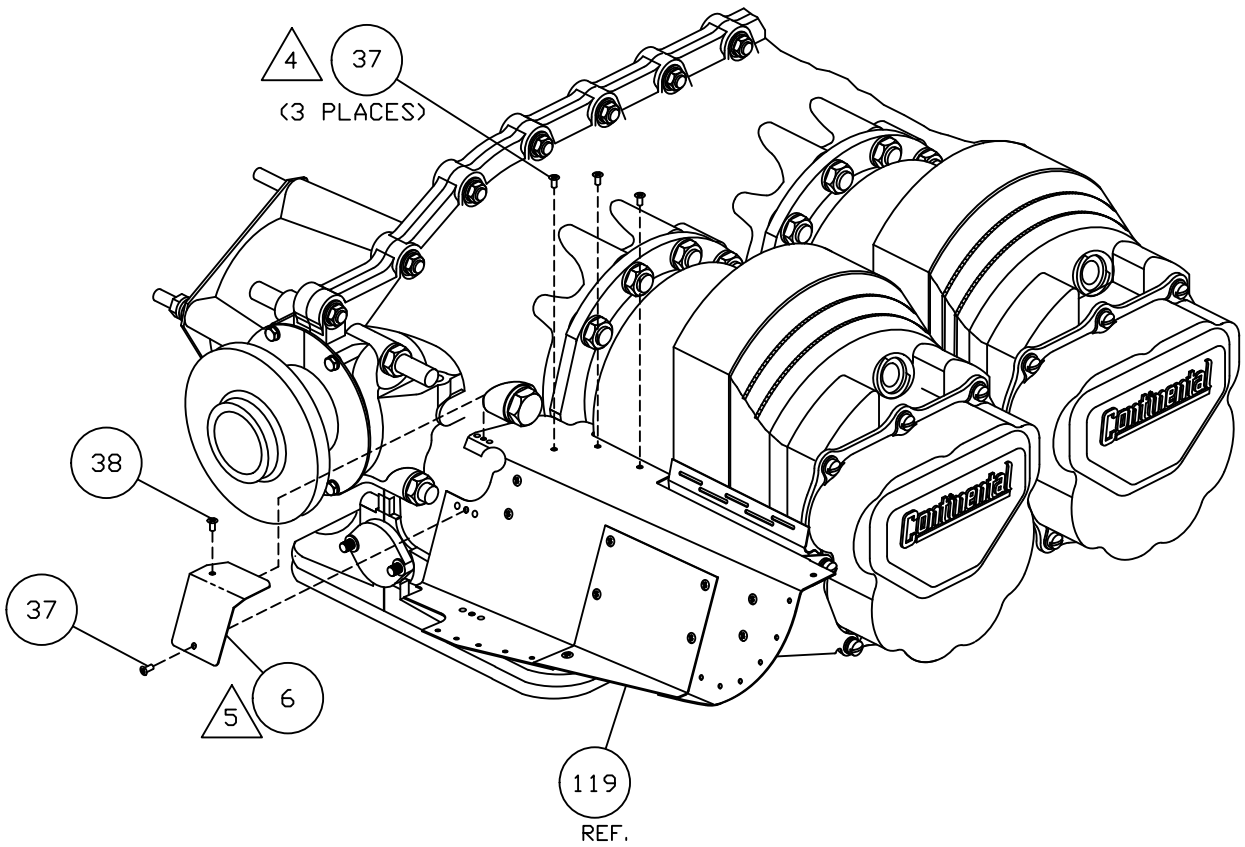
SCALE: NONE | DATE 03/08/10 | SH 1 OF 4




NOTES:

3 INSTALL ITEM 119 WITH ITEMS 4 AND 120 USING SCREW ITEM 37 AND TIGHTEN.

| | |
|---|---|
| NEXT ASSY:<br>DRAWN BY: D. B.<br>ENGINEER: D. BRAUN<br>CHECKED BY: D. B. | INSTALLATION BAFFLE FRONT |
| TOLERANCES<br>.X___.10 .XXX___.01<br>.XX__.03 .XXXX_.001<br>ANGLES ±5%<br>UNLESS STATED | *D'SHANNON PRODUCTS, LTD* |
| DWG. No. DSP-IM95-4-9 | REVISION A |
| SCALE: NONE | DATE 03/08/10 \| SH 2 OF 4 |

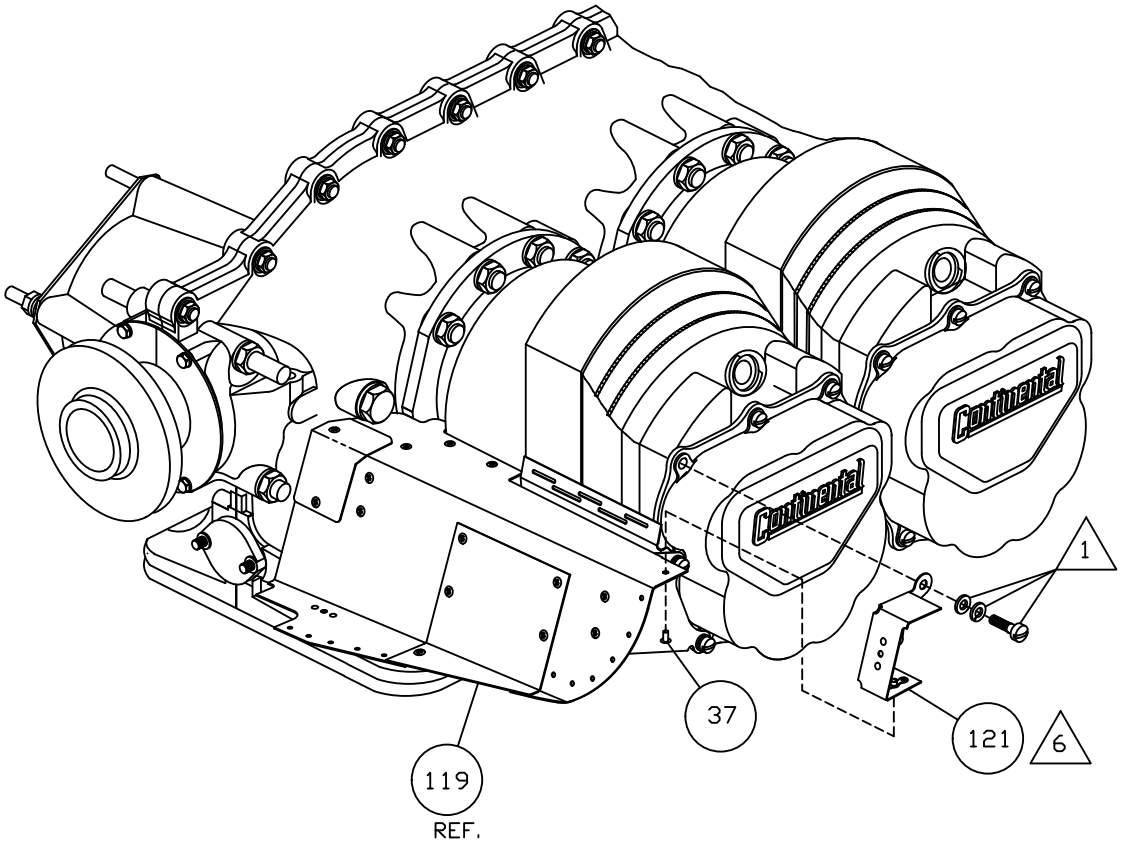



NOTES:

4 INSTALL ITEMS (37) THROUGH ITEM (119) AND TIGHTEN.

5 ON ENGINES WITHOUT AIR CONDITIONING, INSTALL ITEM (6) ON ITEM (119) USING SCREW ITEM (38) AND TIGHTEN. ON ENGINES WITH AIR CONDITIONING OMIT ITEMS (6) AND ITEM (38) . SEAL GAPS ON EITHER INSTALLATION WITH ITEM (51) SILICONE SEALANT.

| | |
|---|---|
| NEXT ASSY:<br>DRAWN BY: D. B.<br>ENGINEER: D. BRAUN<br>CHECKED BY: D. B. | INSTALLATION BAFFLE FRONT |
| TOLERANCES<br>.X___.10 .XXX___.01<br>.XX_.03 .XXXX_.001<br>ANGLES ±5%<br>UNLESS STATED | *D'SHANNON PRODUCTS, LTD* |
| | DWG. No. DSP-IM95-4-9 REVISION A |
| | SCALE: NONE DATE 03/08/10 SH 3 OF 4 |



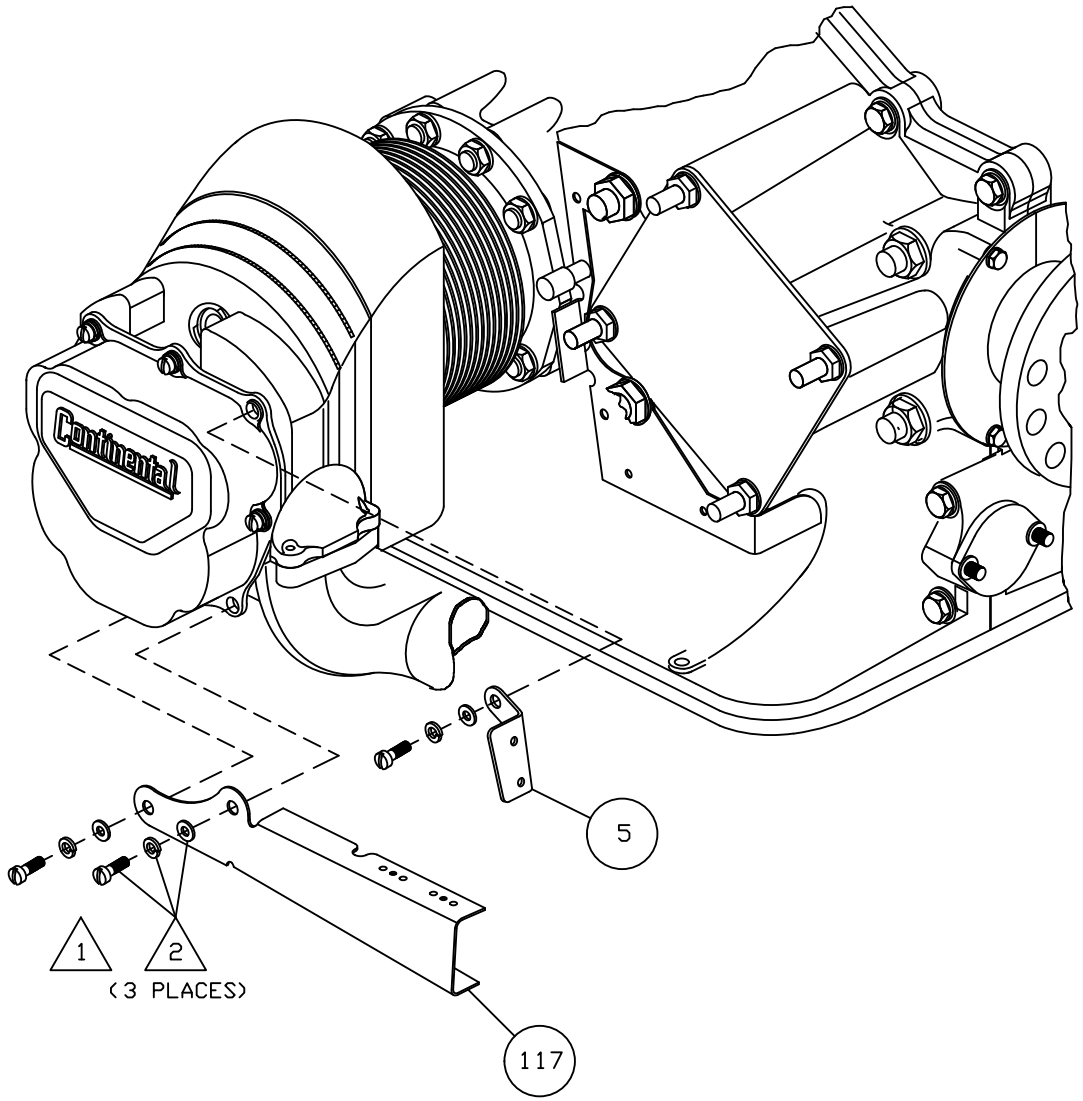

6 INSTALL ITEM (121) ONTO THE ROCKER COVER, USING THE ORIGINAL HARDWARE AS SHOWN ON DRAWING.

1 ORIGINAL HARDWARE (FOR TORQUE VALUES SEE BEECHCRAFT MANUALS)

NOTES:

| | |
|---|---|
| NEXT ASSY:<br>DRAWN BY: D. B.<br>ENGINEER: D. BRAUN<br>CHECKED BY: D. B. | INSTALLATION BAFFLE FRONT |
| TOLERANCES<br>.X___.10 .XXX___.01<br>.XX_.03 .XXXX_.001<br>ANGLES ±5%<br>UNLESS STATED | *D'SHANNON PRODUCTS, LTD* |
| DWG. No. DSP-IM95-4-9 | REVISION A |
| SCALE: NONE | DATE 03/08/10 \| SH 4 OF 4 |

| REVISION RECORD | | | |
|---|---|---|---|
| LTR. | CHANGES | BY | DATE |
| NC | RELEASED. MOVED NOTES. REMOVE SH 6. | D. B. | 03/08/10 |
| A | REVISE AND REORDER NOTES 3 AND 4 | D. B. | 11/11/10 |
| B | CLARIFY NOTES | W. E. | 7/8/15 |




| ITEM | QTY | PART No. | DESCRIPTION |
|---|---|---|---|
| 89 | 13 | MS35206-227 | PAN HEAD MACHINE SCREW |
| 49 | 2 | MS35206-228 | PAN HEAD MACHINE SCREW |
| 42 | 2 | MS21042-06 | REDUCED DIMENSION LOCKNUT |
| 41 | 3 | AN960-10 | FLAT WASHER |
| 40 | 2 | AN960C6 | FLAT WASHER |
| 39 | 3 | AN3-3A | BOLT UNDRILLED #10-32 |
| 118 | 1 | 244021Z | BRACKET ALTERNATOR BAFFLE ASSEMBLY |
| 117 | 1 | BAB-A03 | BRACKET ALTERNATOR BOX BARON ASSEMBLY |
| 116 | 1 | BAB-A02 | BAFFLE ALTERNATOR BOX BARON ASSEMBLY |
| 115 | 1 | BAB-A01 | ALTERNATOR BOX BARON ASSEMBLY |
| 5 | 1 | BAB-007 | BRACKET ALTERNATOR BOX BARON |
| 2 | 1 | BAB-001 | BAFFLE ALTERNATOR BOX BARON |

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

INSTALLATION ALTERNATOR BAFFLE

TOLERANCES
.X___.10 .XXX___.01
.XX__.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

D'SHANNON PRODUCTS, LTD

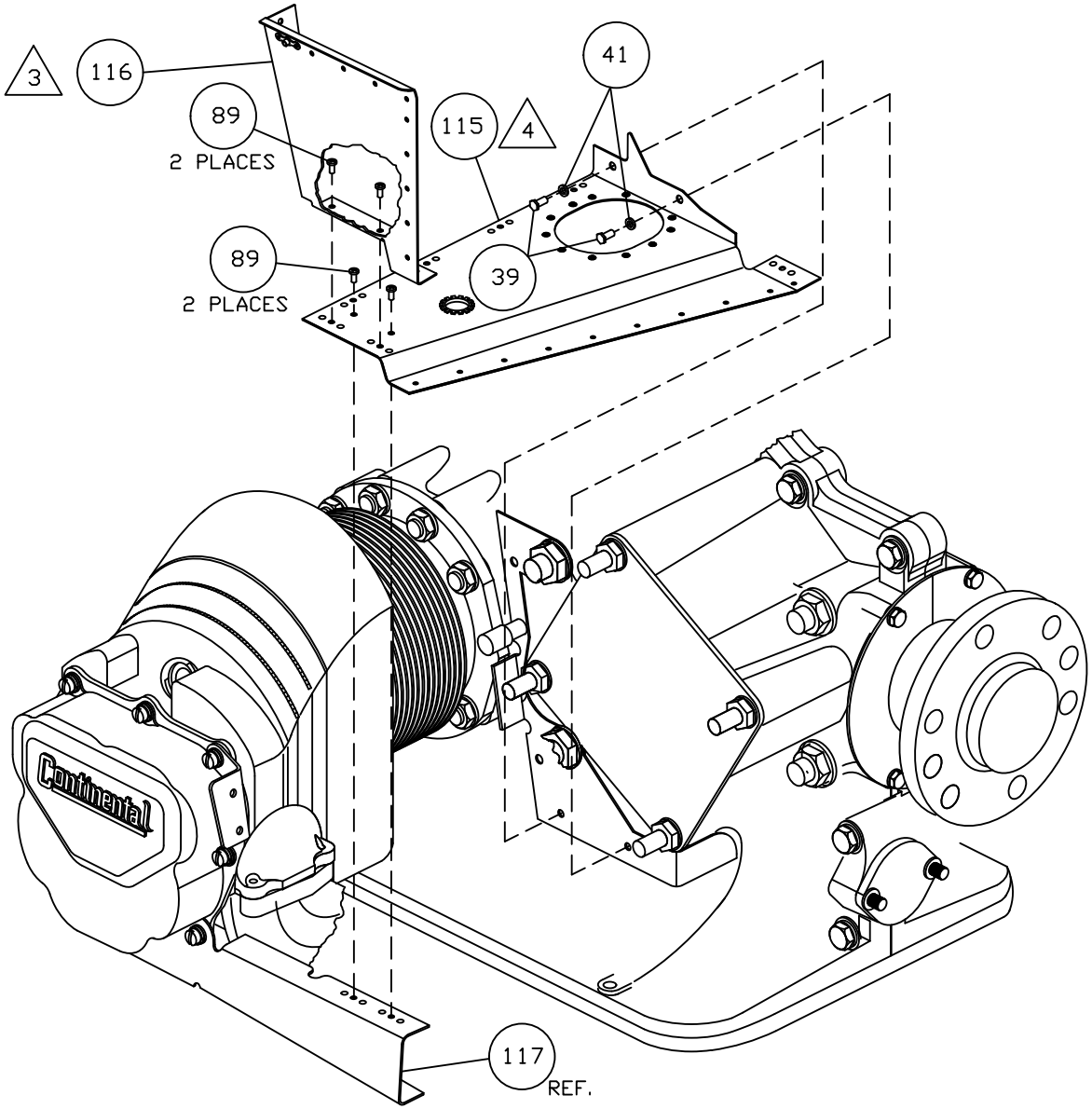
DWG. No. DSP-IM95-4-10 | REVISION B

SCALE: NONE | DATE 7/8/15 | SH 1 OF 5

NOTES:

2. ORIGINAL HARDWARE.

1. USING THE ORIGINAL HARDWARE, PROCEED TO INSTALL ITEMS (5) AND (117) ONTO THE ROCKER COVER. DO NOT TIGHTEN.

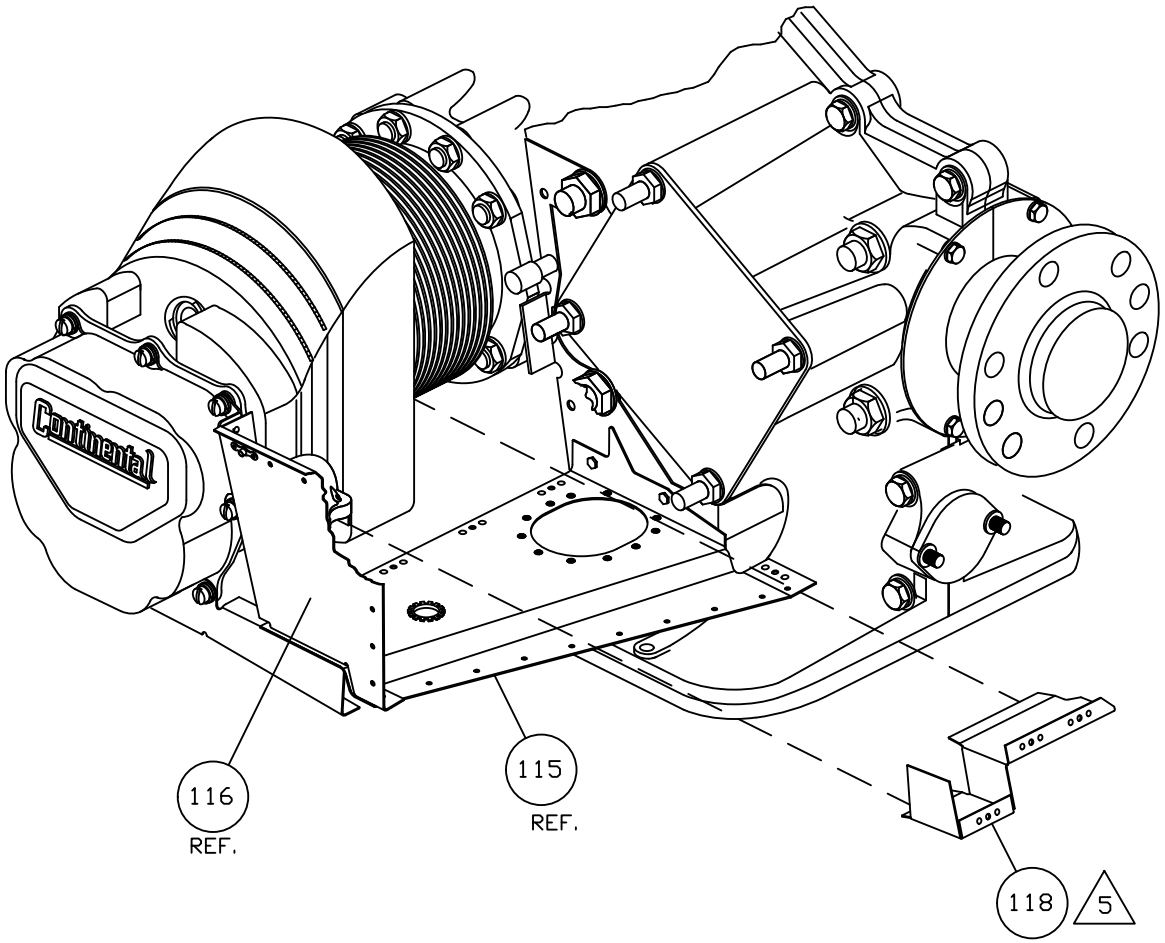



NOTES:

△4 INSTALL ITEM (116) WITH ITEM (115) USING ITEM (89) SCREW AND ITEM (39) BOLT. DO NOT TIGHTEN.

△3 INSTALL ITEM (117) AND THE STEEL CONTINENTAL BRACKET ON THE ENGINE. DO NOT TIGHTEN.

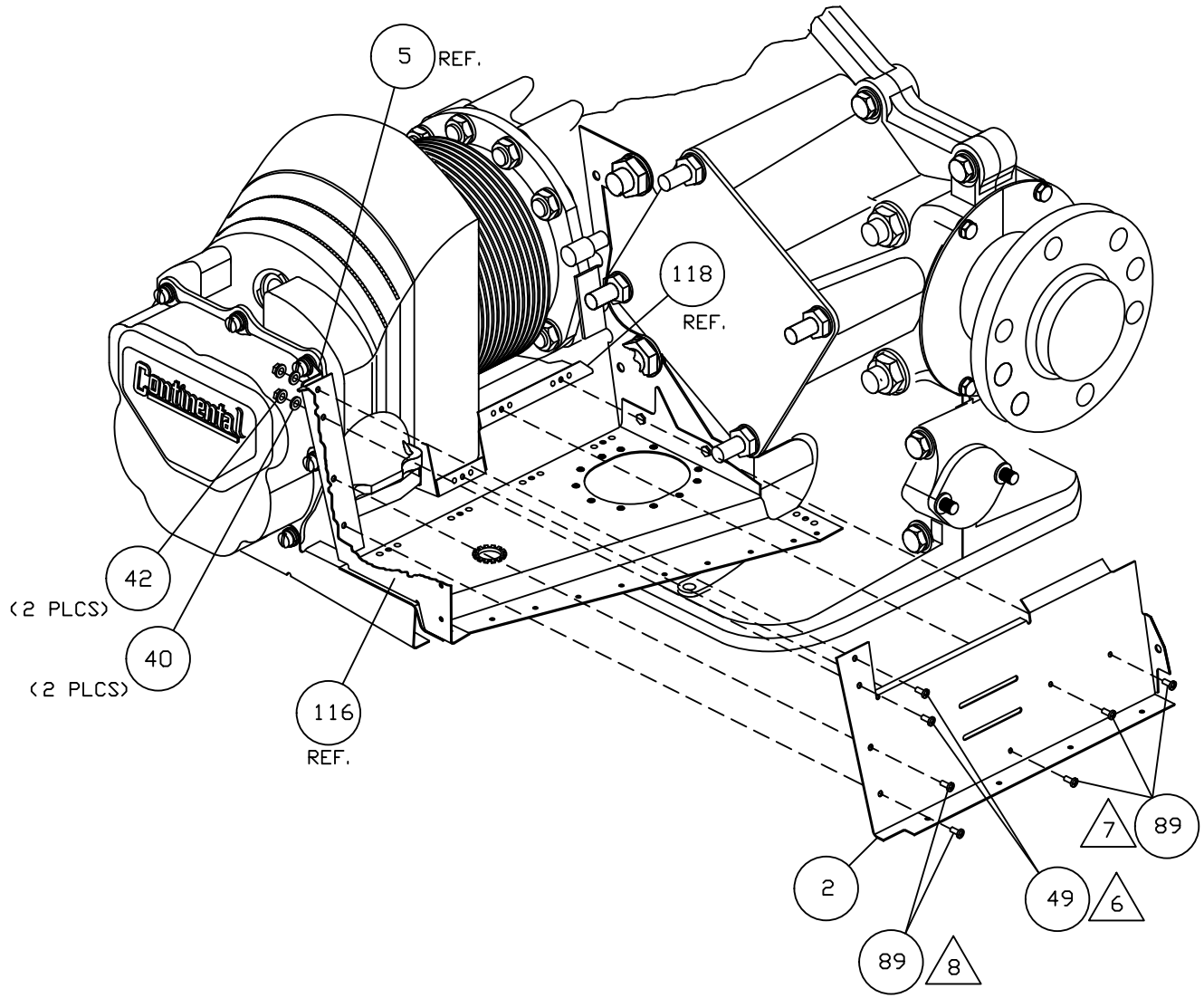
| | | |
|---|---|---|
| NEXT ASSY:<br>DRAWN BY: W. E.<br>ENGINEER: R. R.<br>CHECKED BY: L. L. | INSTALLATION ALTERNATOR BAFFLE | |
| TOLERANCES<br>.X___.10 .XXX___.01<br>.XX_.03 .XXXX_.001<br>ANGLES ±5%<br>UNLESS STATED | *D'SHANNON PRODUCTS, LTD* | |
| | DWG. No. DSP-IM95-4-10 | REVISION B |
| | SCALE: NONE | DATE 7/8/15 SH 2 OF 5 |




NOTES:

5 PLACE (DO NOT FASTEN) ITEM 118 AS SHOWN ON DRAWING.

| | | | |
|---|---|---|---|
| NEXT ASSY:<br>DRAWN BY: W. E.<br>ENGINEER: R. R.<br>CHECKED BY: L. L. | INSTALLATION ALTERNATOR BAFFLE | | |
| TOLERANCES<br>.X___.10 .XXX___.01<br>.XX_.03 .XXXX_.001<br>ANGLES ±5%<br>UNLESS STATED | *D'SHANNON PRODUCTS, LTD* | | |
| | DWG. No. DSP-IM95-4-10 | REVISION B | |
| | SCALE: NONE | DATE 7/8/15 | SH 3 OF 5 |



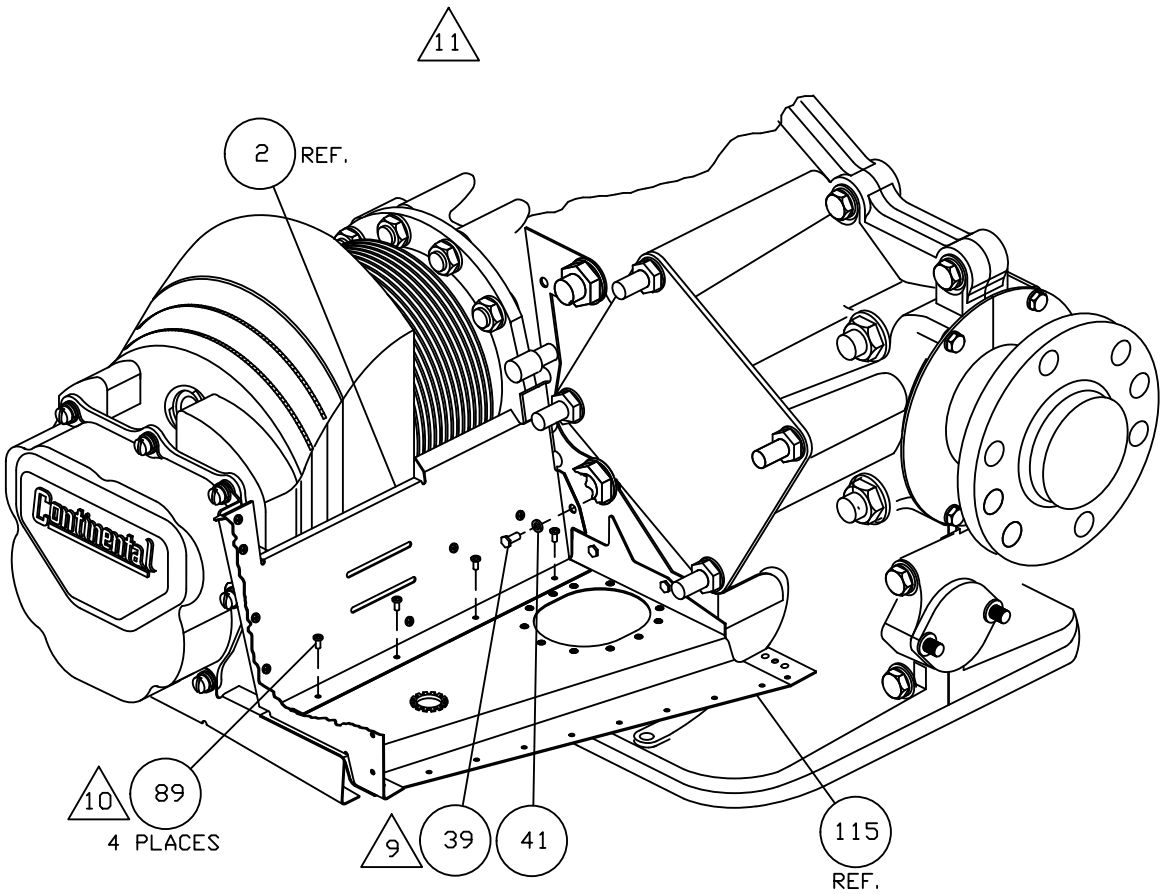

8 INSTALL ITEM (89) THROUGH ITEMS (2) AND (116). DO NOT TIGHTEN.

7 INSTALL ITEM (89) THROUGH ITEMS (2) AND (118). DO NOT TIGHTEN.

6 INSTALL ITEM (49) THROUGH ITEMS (2), (116), (5) AND (40). ATTACH WITH ITEM (42) AND TIGHTEN.

NOTES:

| | | |
|---|---|---|
| NEXT ASSY:<br>DRAWN BY: W. E.<br>ENGINEER: R. R.<br>CHECKED BY: L. L. | INSTALLATION ALTERNATOR BAFFLE | |
| TOLERANCES<br>.X___.10 .XXX___.01<br>.XX_.03 .XXXX_.001<br>ANGLES ±5%<br>UNLESS STATED | *D'SHANNON PRODUCTS, LTD* | |
| | DWG. No. DSP-IM95-4-10 | REVISION B |
| | SCALE: NONE DATE 7/8/15 | SH 4 OF 5 |




11 AFTER THE ITEMS (2), (5), (115), (116), (117) AND (118) ARE INSTALLED, TIGHTEN ORIGINAL HARDWARE ON THE ROCKER COVER AND ITEM (39) BOLTS AND ITEM (89) SCREWS. TORQUE PER CONTINENTAL MANUAL.

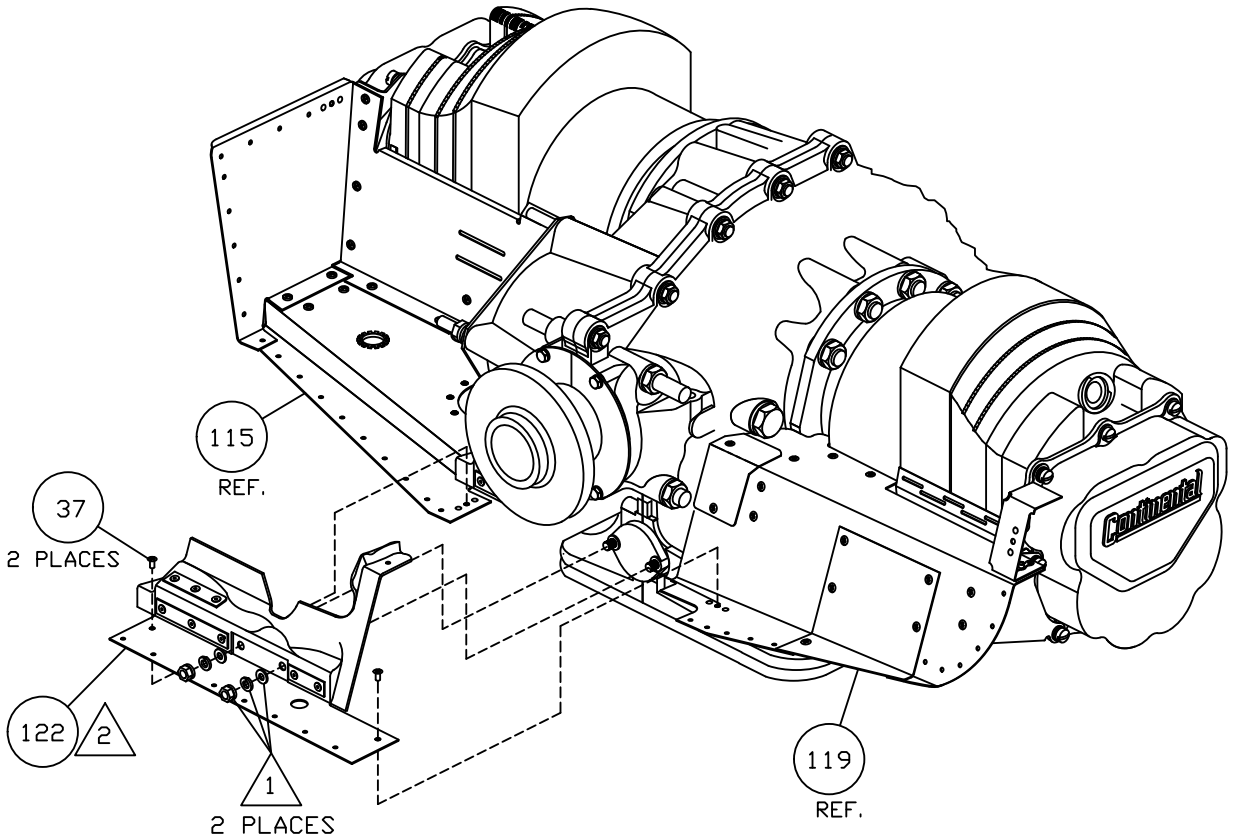
10 INSTALL ITEM (89) THROUGH ITEMS (2) AND (115). DO NOT TIGHTEN.

9 INSTALL ITEM (39) THROUGH ITEMS (41) AND (2) AND THE STEEL CONTINENTAL BRACKET ON ENGINE AS SHOWN ON DRAWING. DO NOT TIGHTEN.

NOTES:

| | | |
|---|---|---|
| NEXT ASSY:<br>DRAWN BY: W. E.<br>ENGINEER: R. R.<br>CHECKED BY: L. L. | INSTALLATION ALTERNATOR BAFFLE | |
| TOLERANCES<br>.X___.10 .XXX___.01<br>.XX_.03 .XXXX_.001<br>ANGLES ±5%<br>UNLESS STATED | *D'SHANNON PRODUCTS, LTD* | |
| | DWG. No. DSP-IM95-4-10 | REVISION B |
| | SCALE: NONE | DATE 7/8/15 SH 5 OF 5 |

| REVISION RECORD | | | |
|---|---|---|---|
| LTR. | CHANGES | BY | DATE |
| NC | RELEASED. MOVED NOTES. REMOVE SH 3. | D. B. | 03/08/10 |
| A | MAKE ITEM 38 REF. REVISE NOTE 3. | D. B. | 11/11/10 |




| ITEM | QTY | PART No. | DESCRIPTION |
|---|---|---|---|
| 37 | 2 | AN526C632R6 | TRUSS HEAD MACHINE SCREW |
| 51 | AR | GE SILICONE II | SILICONE SEALANT |
| 122 | 1 | BNF-A01 | BAFFLE NOSE ASSEMBLY |
| 7 | 1 | BNR-04 | GASKET RETAINER |

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

INSTALLATION BAFFLE NOSE

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

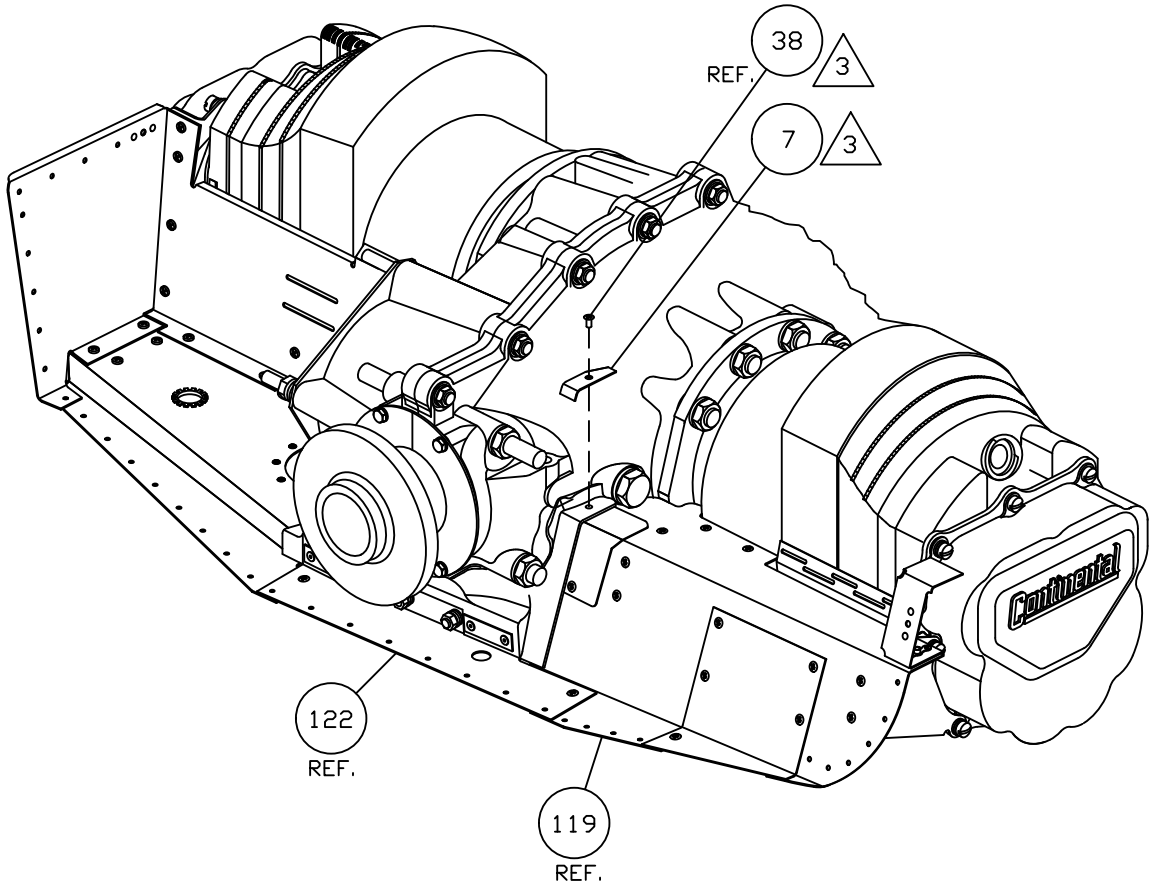
*D'SHANNON PRODUCTS, LTD*

DWG. No. DSP-IM95-4-11 | REVISION A
SCALE: NONE | DATE 03/08/10 | SH 1 OF 2

NOTES:

2 ATTACH ITEM (122) TO ITEMS (115) AND (119) USING SCREWS ITEM (37). INSTALL ORIGINAL HARDWARE AS SHOWN. TIGHTEN.

1 ORIGINAL HARDWARE (FOR TORQUE VALUES SEE BEECHCRAFT MANUALS)

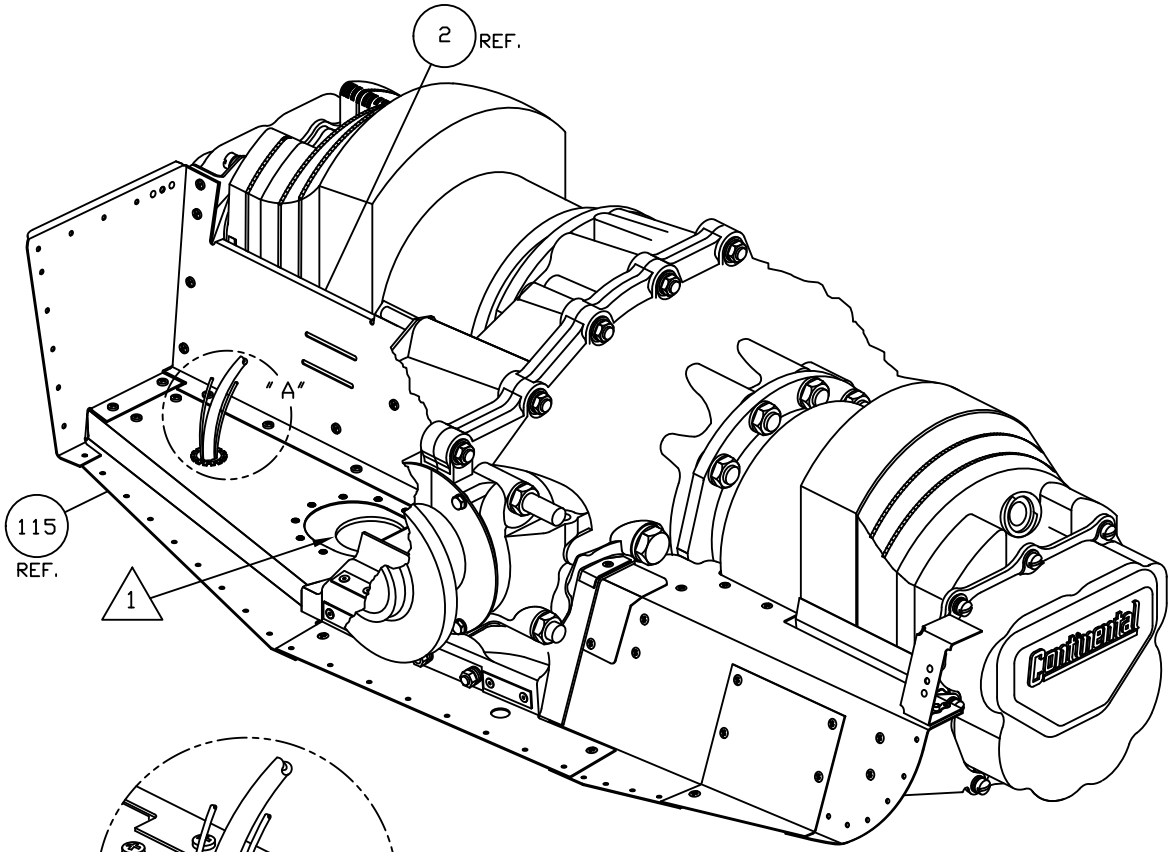


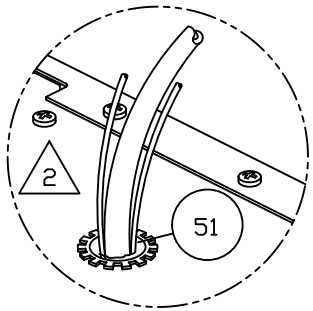

3 ON NON AIR CONDITIONED ENGINES, INSTALL EXISTING ITEM (38) THROUGH ITEMS (7), (122) AND (119) AND TIGHTEN. ON ENGINES EQUIPPED WITH AIR CONDITIONING, SECURE ITEM (122) TO THE TOP OF ITEM (119) USING ITEM (51) SILICONE SEALANT AND OMIT ITEM (7).

NOTES:

| | |
|---|---|
| NEXT ASSY:<br>DRAWN BY: D. B.<br>ENGINEER: D. BRAUN<br>CHECKED BY: D. B. | INSTALLATION BAFFLE NOSE |
| TOLERANCES<br>.X___.10 .XXX___.01<br>.XX_.03 .XXXX_.001<br>ANGLES ±5%<br>UNLESS STATED | *D'SHANNON PRODUCTS, LTD* |
| | DWG. No. DSP-IM95-4-11 \| REVISION A |
| | SCALE: NONE \| DATE 03/08/10 \| SH 2 OF 2 |

| REVISION RECORD | | | |
|---|---|---|---|
| LTR. | CHANGES | BY | DATE |
| NC | RELEASED. MOVED NOTES. REMOVE SH 4. | D. B. | 03/08/10 |
| A | REVISED VIEW FOR AIR CONDITIONING | D. B. | 11/11/10 |




DETAIL A

△2 APPLY SILICONE ITEM (51) TO FILL ANY GAPS THAT REMAIN, AS SHOWN ON DRAWING.

△1 CUT OUT SILICONE RUBBER FOR THE ALT. BLAST TUBE: MEASURE ALT. FROM FLANGE TO CENTER OF BLAST HOLE, THEN MEASURE FROM ENGINE CASE TO CENTER OF SILICONE RUBBER & MARK. MEASURE BLAST HOLE SIZE & MARK ONTO SILICONE. CUT OUT SILICONE AS MARKED

NOTES:

| ITEM | QTY | PART No. | DESCRIPTION |
|---|---|---|---|
| 51 | A. R. | G. E. SILICONE II | SILICONE |

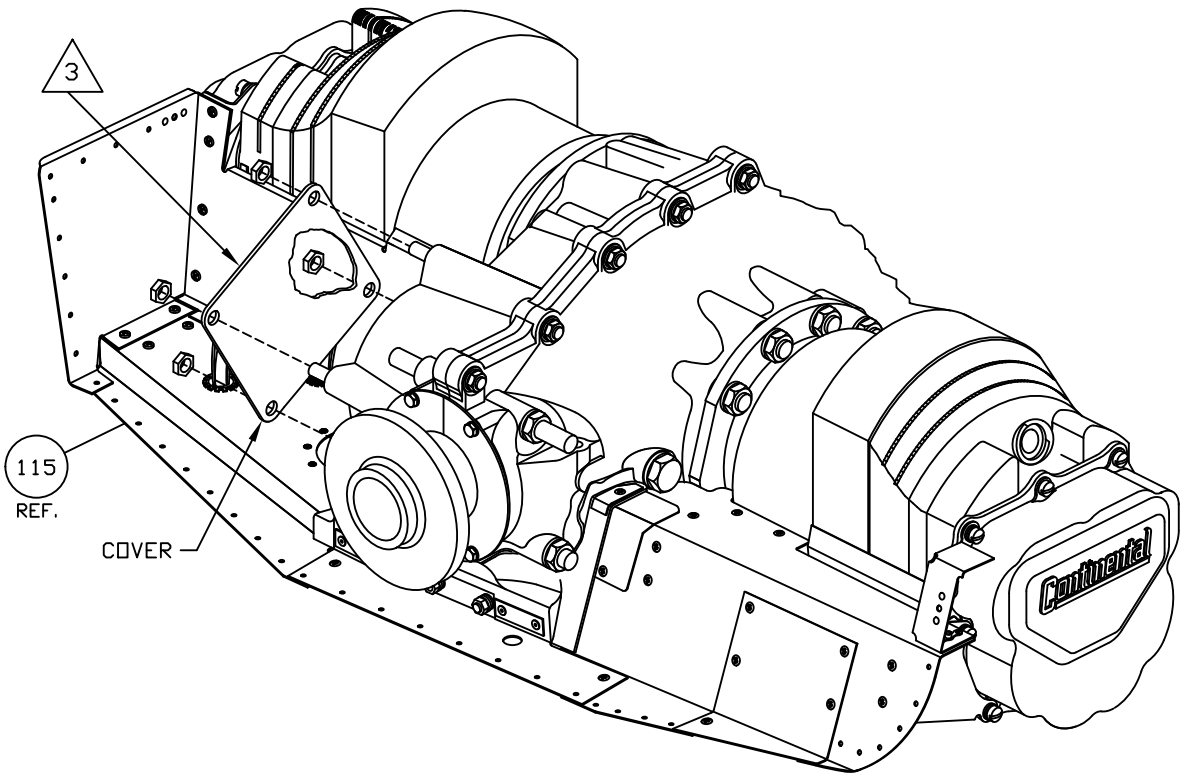
NEXT ASSY:
DRAWN BY: D. B.
ENGINEER: D. BRAUN
CHECKED BY: D. B.

REINSTALLATION ALTERNATOR

TOLERANCES
.X___.10 .XXX___.01
.XX__.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

D'SHANNON PRODUCTS, LTD

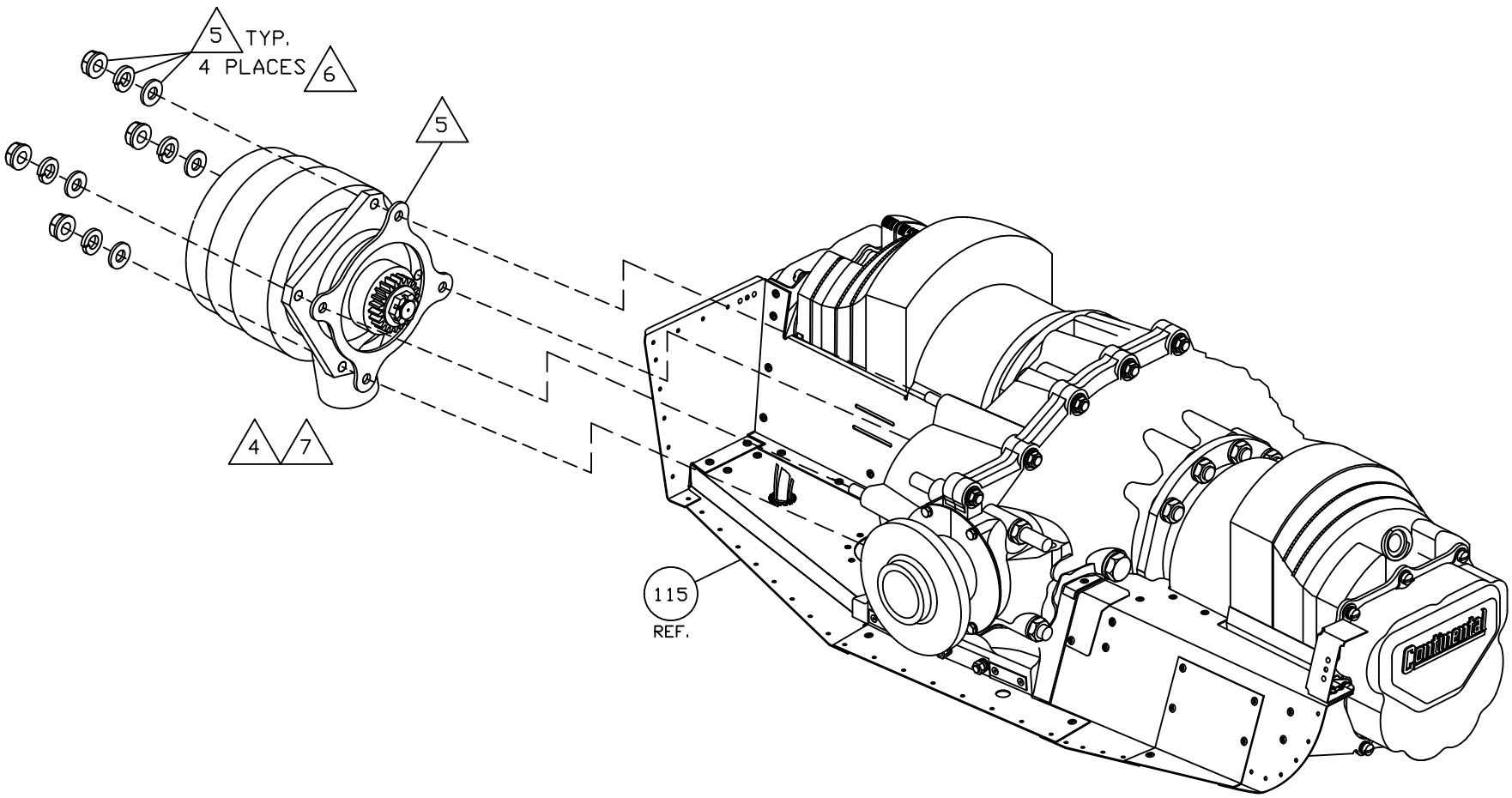
DWG. No. DSP-IM95-4-12 | REVISION A
SCALE: NONE | DATE 03/08/10 | SH 1 OF 3




3 REMOVE ALT. COVER PLATE IF PRESENT PRIOR TO REINSTALLING THE ALTERNATOR IN ITS ORIGINAL POSITION.

NOTES:

| | |
|---|---|
| NEXT ASSY:<br>DRAWN BY: D. B.<br>ENGINEER: D. BRAUN<br>CHECKED BY: D. B. | REINSTALLATION ALTERNATOR |
| TOLERANCES<br>.X___.10 .XXX___.01<br>.XX_.03 .XXXX_.001<br>ANGLES ±5%<br>UNLESS STATED | *D'SHANNON PRODUCTS, LTD* |
| | DWG. No. DSP-IM95-4-12 \| REVISION A |
| | SCALE: NONE \| DATE 03/08/10 \| SH 2 OF 3 |




7 ONCE INSTALLATION OF THE ALTERNATOR IS COMPLETE, SEAL ALL CLEARANCE/GAPS USING GE SILICONE ITEM (51). DO NOT APPLY ABOVE THE CASE FLANGE OR UNDER THE ALTERNATOR FLANGE. MAINTAIN CLEARANCE BETWEEN THE ALTERNATOR AND THE SILICONE.

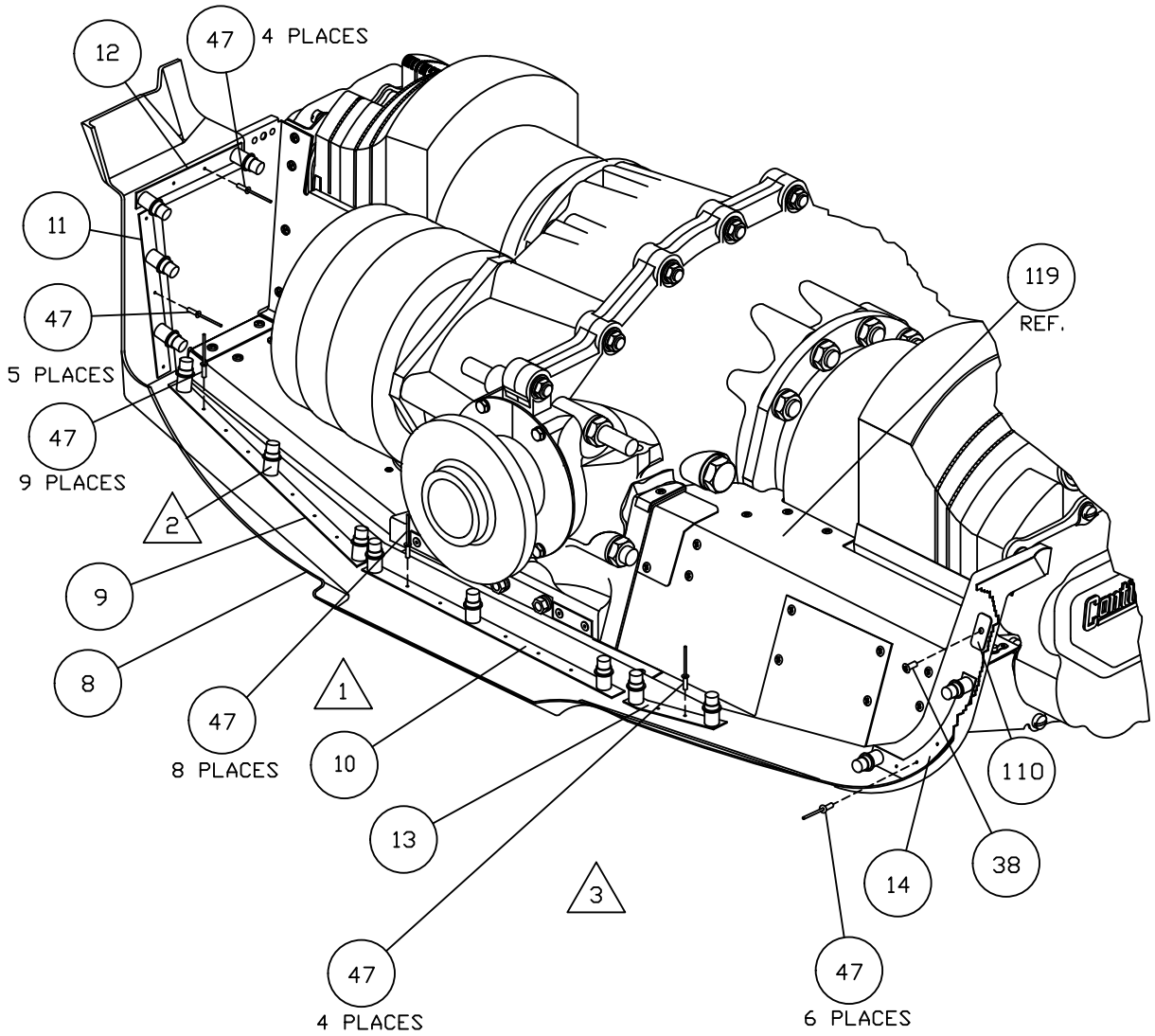
6 TIGHTEN ALTERNATOR BOLTS EVENLY. TORQUE PER CONTINENTAL OVERHAUL MANUAL TORQUE VALUES.

5 ORIGINAL HARDWARE

4 INSTALL ALTERNATOR IN ITS ORIGINAL POSITION.

NOTES:

| | |
|---|---|
| NEXT ASSY:<br>DRAWN BY: D. B.<br>ENGINEER: D. BRAUN<br>CHECKED BY: D. B. | REINSTALLATION ALTERNATOR |
| TOLERANCES<br>.X___.10 .XXX___.01<br>.XX__.03 .XXXX_.001<br>ANGLES ±5%<br>UNLESS STATED | *D'SHANNON PRODUCTS, LTD* |
| DWG. No. DSP-IM95-4-12 | REVISION A |
| SCALE: NONE | DATE 03/08/10 \| SH 3 OF 3 |




| REVISION RECORD | | | |
|---|---|---|---|
| LTR. | CHANGES | BY | DATE |
| NC | RELEASED. MOVED NOTES. REMOVE SH 2. | D. B. | 03/08/10 |
| A | REVISED VIEW FOR AC. LONGER POP RIVET. | D. B. | 11/11/10 |

NOTES:

1. REMOVE THE FACTORY NOSE BOWL COWLING.

2. ATTACH GASKET ITEM (8) TO THE BAFFLES. USE GUIDE MARKS AND MAKE HOLES TO MATCH HOLES IN AND RETAINER STRIPS AND BAFFLES. CLECO, AND THEN RIVET THE GASKET INTO PLACE WITH POP RIVETS ITEM (47) AS SHOWN.

3. SEAL ALL GAPS IN FRONT GASKET USING GE SILICONE II ITEM (51).

| ITEM | QTY | PART No. | DESCRIPTION |
|---|---|---|---|
| 47 | 36 | AD46H | POP RIVET |
| 51 | A. R. | G. E. SILICONE II | SILICONE |
| 38 | 1 | AN526C632R8 | TRUSS HEAD MACHINE SCREW |
| 110 | 1 | BFR-07-A | GASKET RETAINER |
| 14 | 1 | BFR-06 | GASKET RETAINER |
| 13 | 1 | BFR-05 | GASKET RETAINER |
| 12 | 1 | BFR-04 | GASKET RETAINER |
| 11 | 1 | BFR-03 | GASKET RETAINER |
| 10 | 1 | BFR-02 | GASKET RETAINER |
| 9 | 1 | BFR-01 | GASKET RETAINER |
| 8 | 1 | BFG-01 | GASKET BAFFLE FRONT |

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

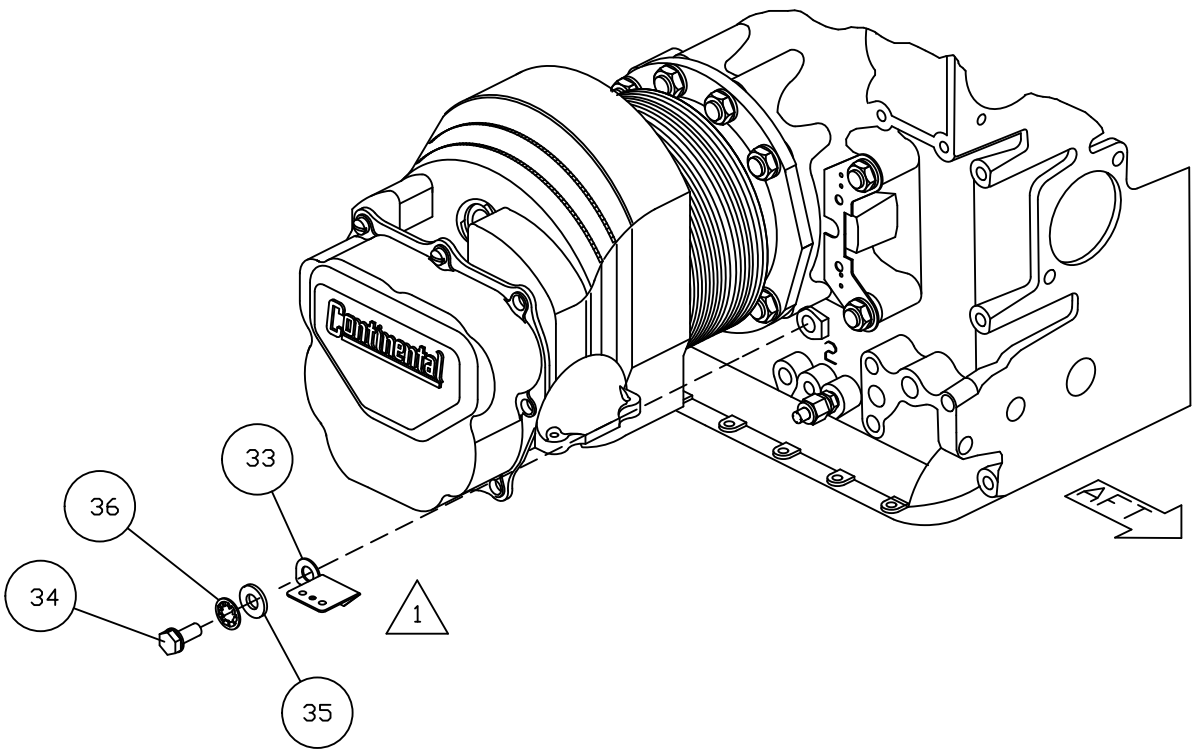
INSTALLATION FRONT GASKET

TOLERANCES
.X___.10 .XXX___.01
.XX__.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

*D'SHANNON PRODUCTS, LTD*

DWG. No. DSP-IM95-4-13 | REVISION A
SCALE: NONE | DATE 03/08/10 | SH 1 OF 1

| 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

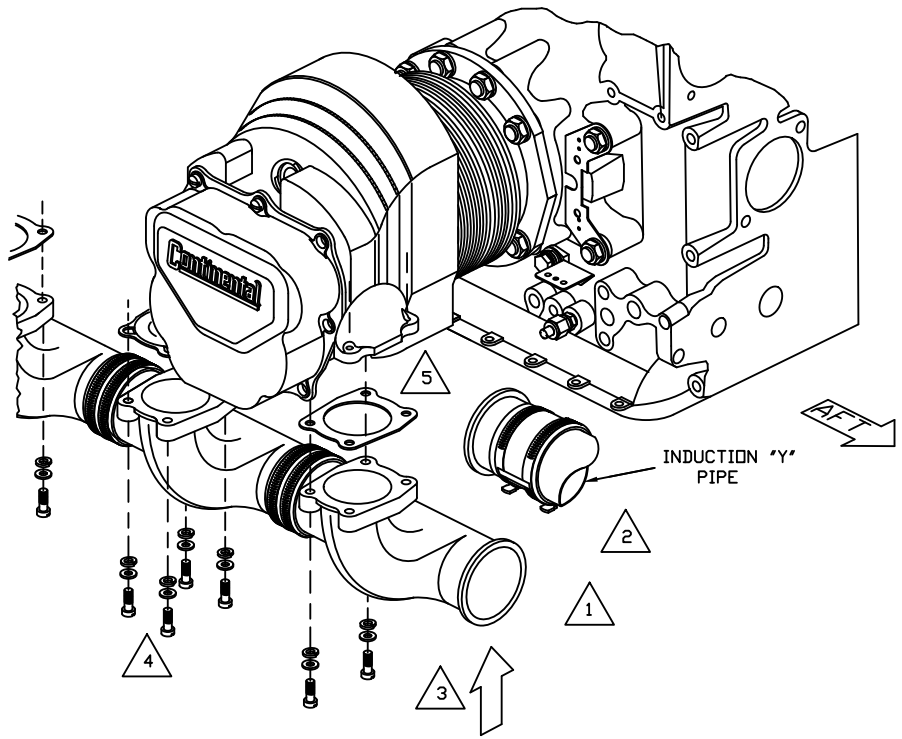
*D'SHANNON PRODUCTS, LTD*

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:

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

| ITEM | QTY | PART No. | DESCRIPTION |
|---|---|---|---|
| | | | |

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

REINSTALL INTAKE PIPE LEFT SIDE

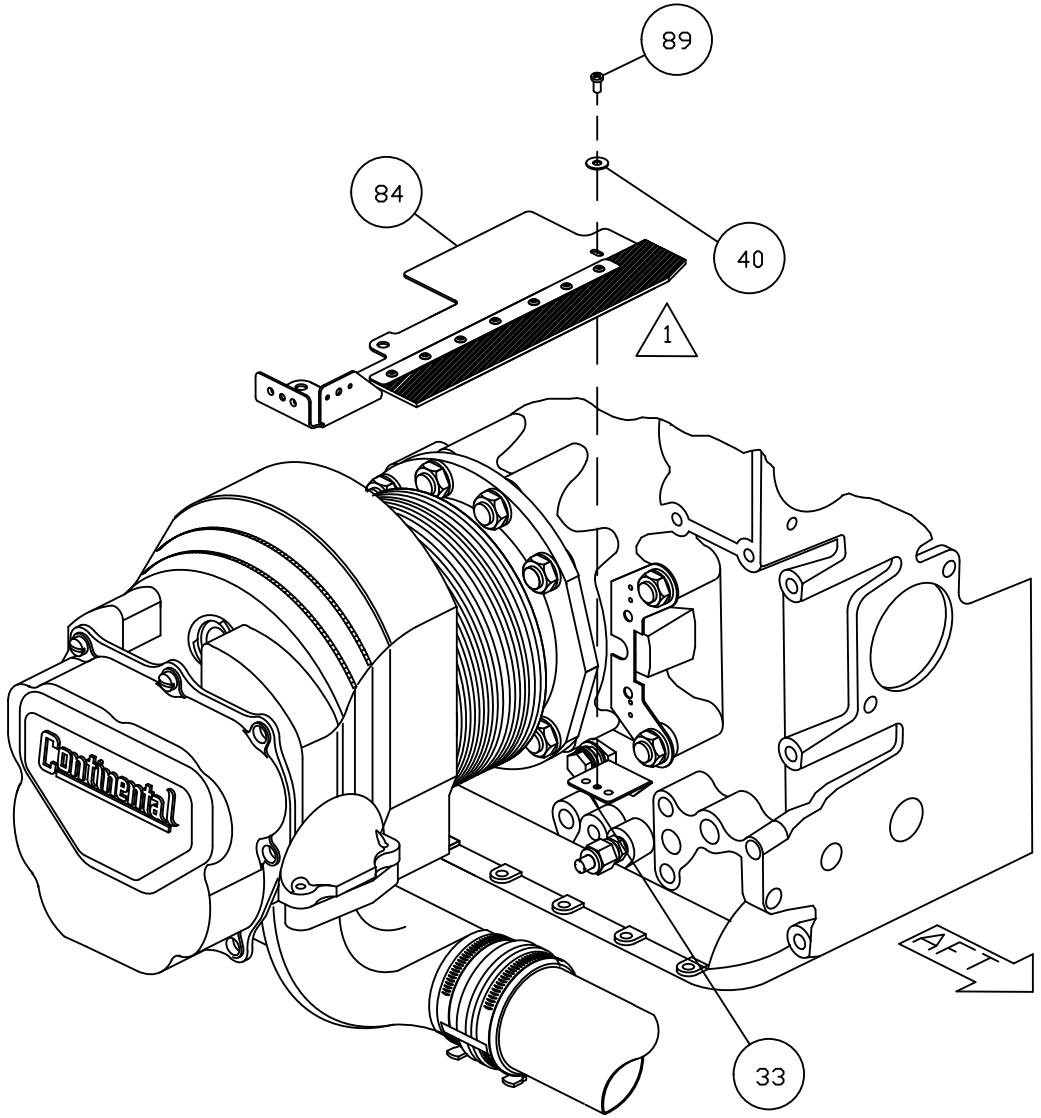
TOLERANCES
.X___.10 .XXX___.01
.XX__.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

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. MOVED NOTES. REMOVE SH 4. | D. B. | 03/08/10 |




| ITEM | QTY | PART No. | DESCRIPTION |
|---|---|---|---|
| 89 | 2 | MS35206-227 | PAN HEAD MACHINE SCREW |
| 40 | 1 | AN960C6 | FLAT WASHER |
| 85 | 1 | B□C-A□2 | #2 CYL VERTICAL HEAD BAFFLE ASSY |
| 84 | 1 | B□C-A□1-1 | #2 CYL LOWER AFT BAFFLE ASSY |

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

INSTALLATION □F REAR #2 BAFFLE

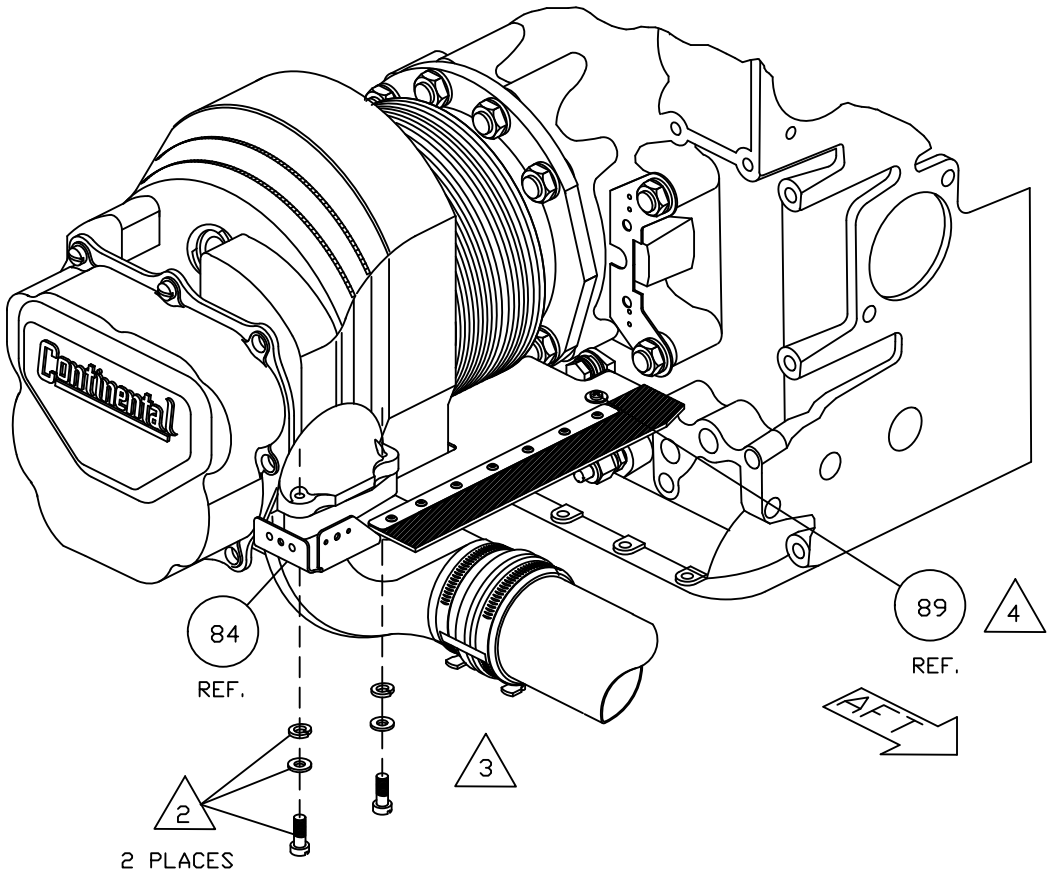
TOLERANCES
.X___.10 .XXX___.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

*D'SHANNON PRODUCTS, LTD*

DWG. No.DSP-IM95-4-14A | REVISION NC
SCALE: NONE | DATE 03/08/10 | SH 1 □F 3

NOTES:

1. INSTALL ITEM (84) USING SCREW ITEM (89) THROUGH ITEM (40) INTO ITEM (33), LOOSEN ITEM (89) SO ITEM (84) CAN ROTATE, SEE SHT. 2 □F 3 TO VIEW RELATIONSHIP □F ITEM (84).



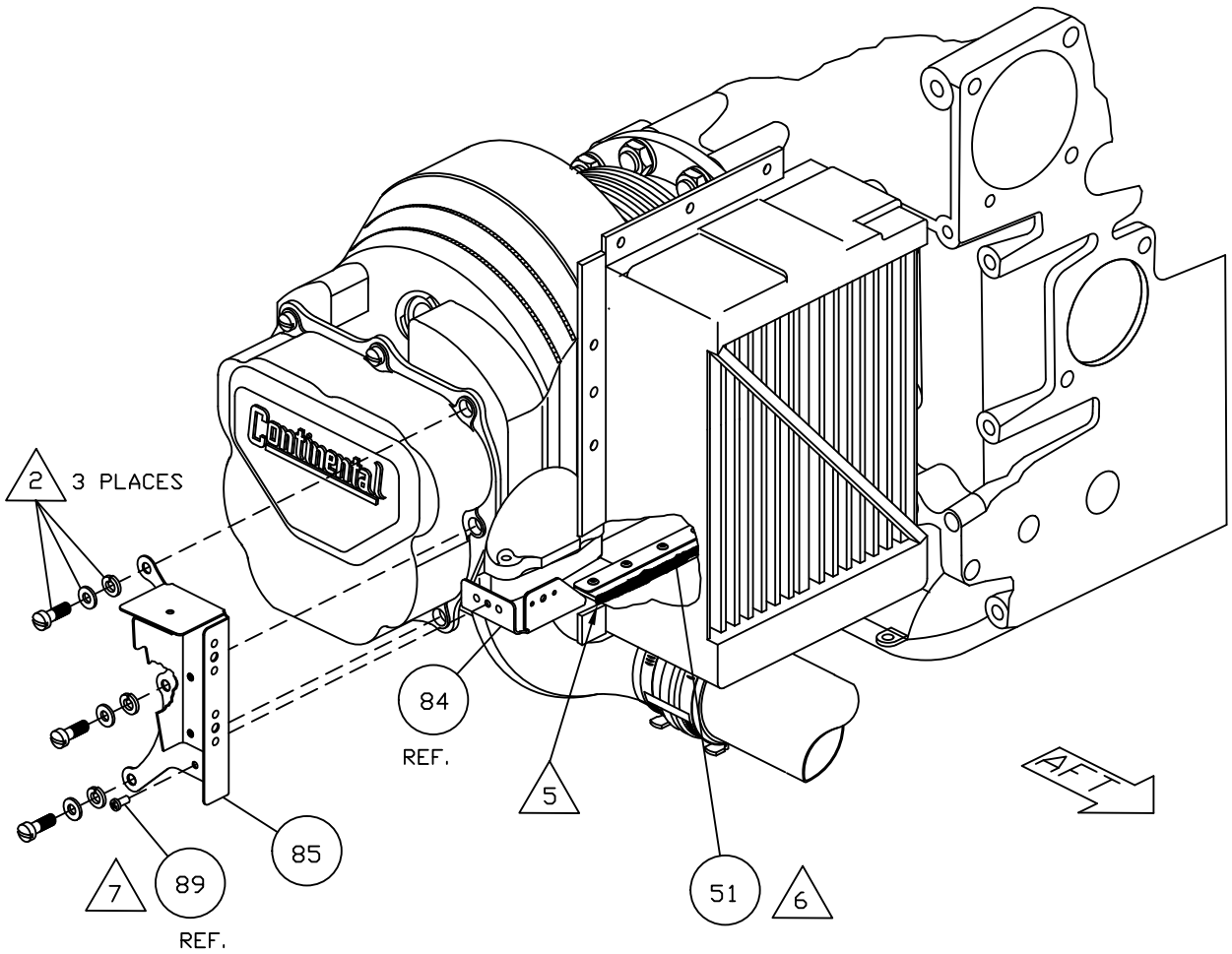

NOTES:

4 TIGHTEN ITEM (89).

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

2 ORIGINAL HARDWARE.

| | | |
|---|---|---|
| NEXT ASSY:<br>DRAWN BY: D. B.<br>ENGINEER: D. BRAUN<br>CHECKED BY: D. B. | INSTALLATION OF REAR #2 BAFFLE | |
| TOLERANCES<br>.X___.10 .XXX___.01<br>.XX_.03 .XXXX_.001<br>ANGLES ±5%<br>UNLESS STATED | *D'SHANNON PRODUCTS, LTD* | |
| | DWG. No. DSP-IM95-4-14A | REVISION NC |
| | SCALE: NONE | DATE 03/08/10 SH 2 OF 3 |




NOTES:

7 INSTALL ITEM (85) TO THE ROCKER COVER USING ORIGINAL HARDWARE AS SHOWN ON DWG. USING ITEM (89), SCREW THROUGH ITEM (85) INTO ITEM (84). TIGHTEN AS PER CONTINENTAL SPECIFICATIONS FOR TORQUE VALUES.

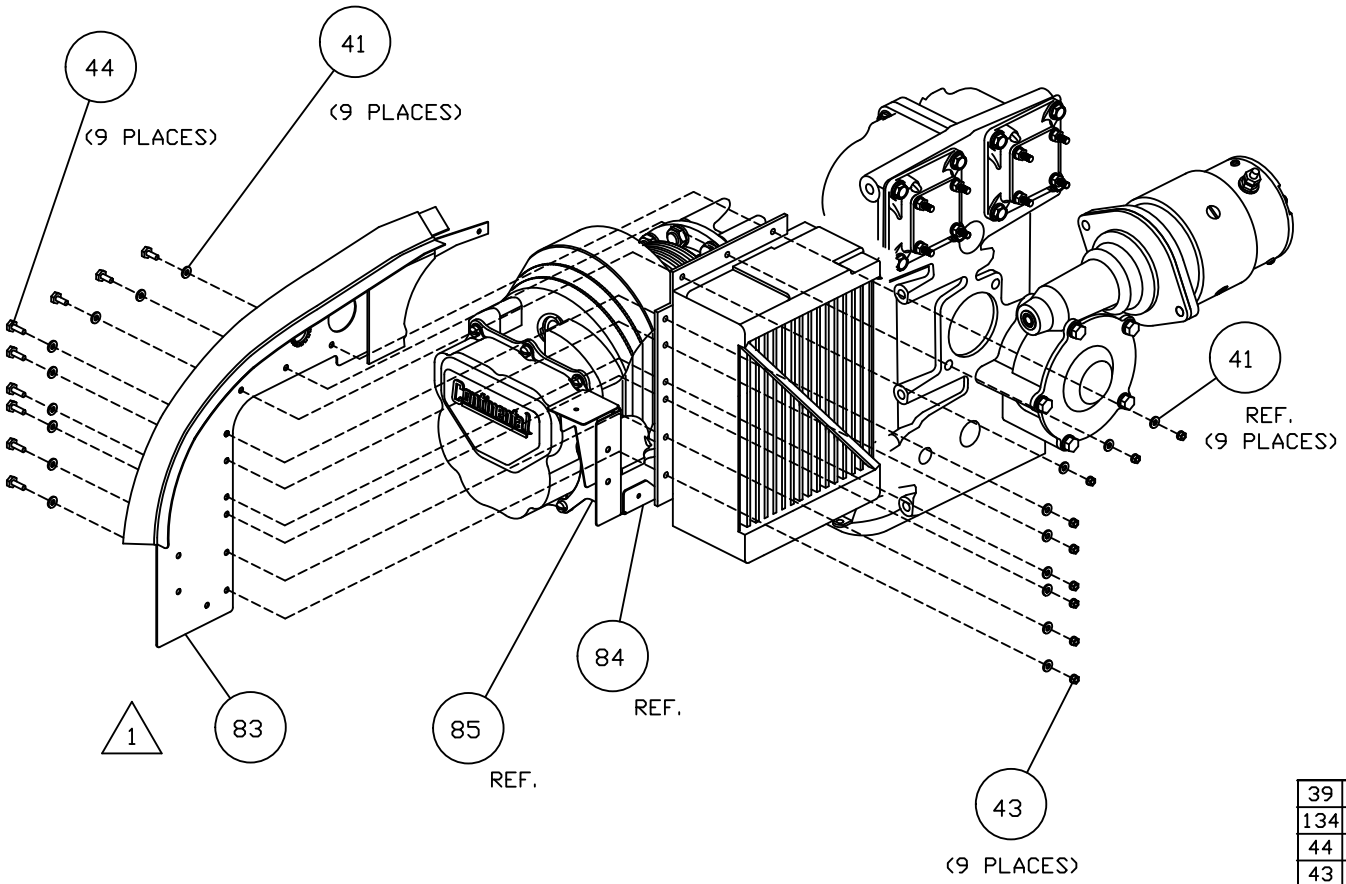
6 APPLY A SILICONE BEAD ITEM (51) TO THE AREA WHERE THE RUBBER EDGE OF ITEM (84) AND OIL COOLER MEET (ON THE BOTTOM, NOT ON ANY FINS OF THE OIL COOLER), APPLICATION OF SILICONE IS ALSO REQUIRED ON ANY AREA WHERE ITEM (84) MEETS WITH THE ENGINE CASE.

5 TRIM RUBBER TO FIT, SO THE EDGE OF THE RUBBER INSTALLED ON ITEM (84) IS AGAINST THE OIL COOLER.

2 ORIGINAL HARDWARE.

| | |
|---|---|
| NEXT ASSY: | INSTALLATION OF REAR #2 BAFFLE |
| DRAWN BY: D. B. | |
| 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-IM95-4-14A | REVISION NC |
| SCALE: NONE | DATE 03/08/10 SH 3 OF 3 |

| REVISION RECORD | | | |
|---|---|---|---|
| LTR. | CHANGES | BY | DATE |
| NC | RELEASED. MOVED NOTES. REMOVED SH 3. | D. B. | 03/08/10 |
| A | RESIZE BOLT | W. E. | 7/8/15 |




| ITEM | QTY | PART No. | DESCRIPTION |
|---|---|---|---|
| 39 | 2 | AN3-3A | BOLT UNDRILLED #10-32 |
| 134 | 1 | AN507632-R6 | FLAT HEAD MACHINE SCREW |
| 44 | 9 | AN3-4A | BOLT UNDRILLED #10-32 |
| 43 | 9 | MS21042-3 | REDUCED DIMENSION LOCKNUT |
| 41 | 20 | AN960-10 | FLAT WASHER |
| 83 | 1 | BBR-A01-1 | BAFFLE REAR LEFT ASSEMBLY |

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

INSTALLATION BAFFLE REAR LEFT

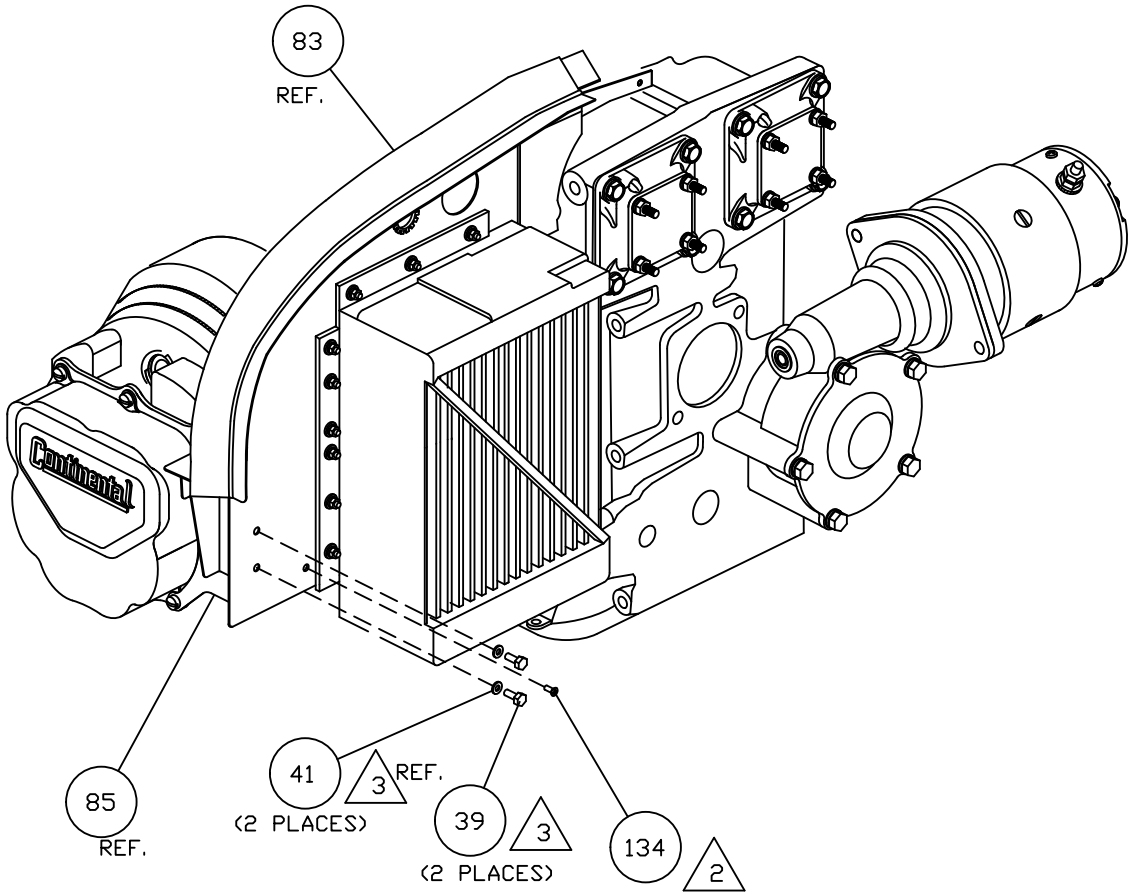
TOLERANCES
.X___.10 .XXX___.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

D'SHANNON PRODUCTS, LTD

DWG. No. DSP-IM95-4-16 | REVISION A
SCALE: NONE | DATE 7/8/15 | SH 1 OF 2

NOTES:

1. ALIGN ITEM (83) WITH OIL COOLER, HOLES ON OIL COOLER SHOULD LINE UP WITH ITEM (83). RUN ITEM (44) THROUGH ITEMS (41), (83), THE OIL COOLER,



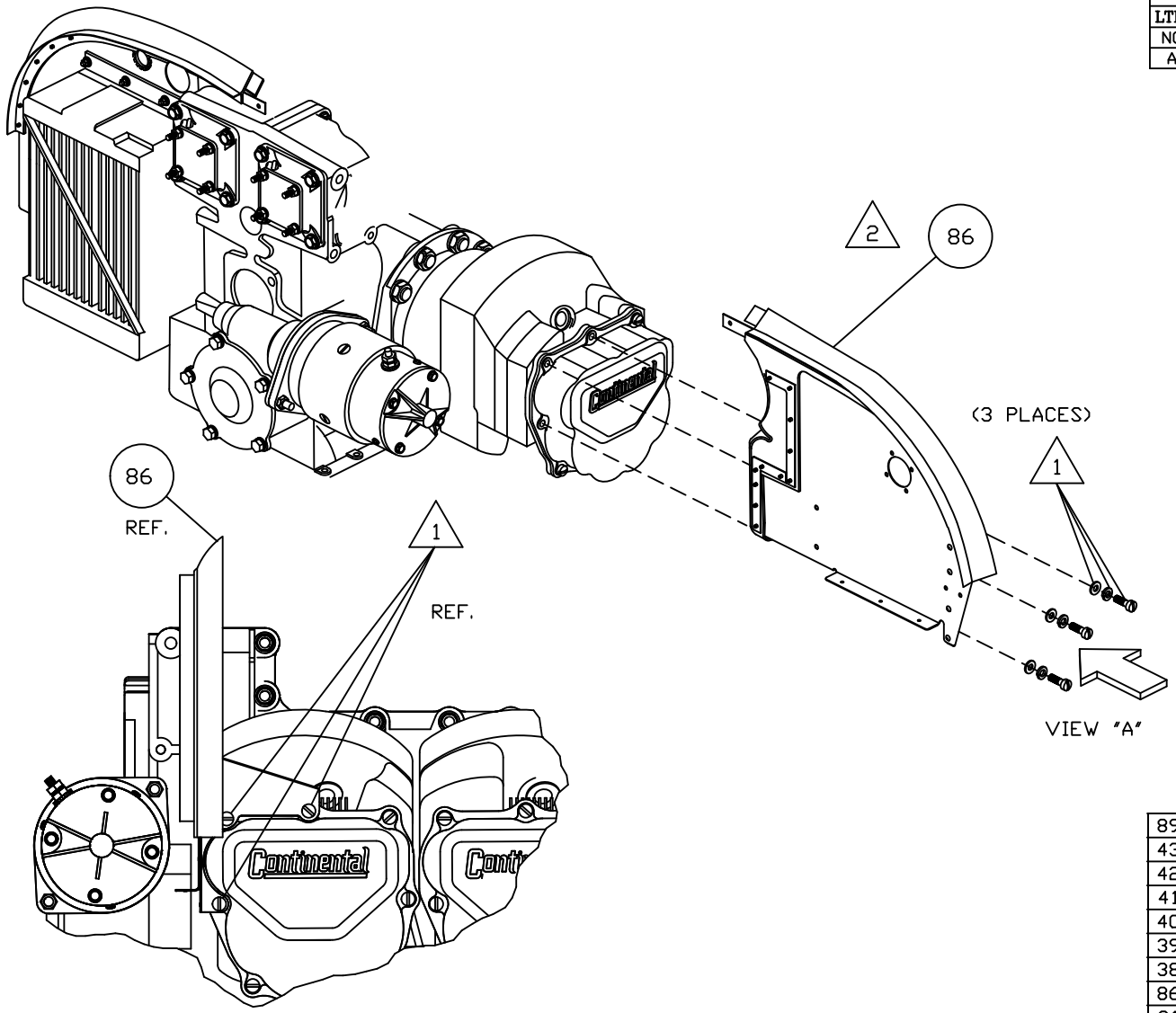

3 RUN ITEM (39) THROUGH ITEMS (41), (83) AND (85) TIGHTEN AS SHOWN.

2 RUN ITEM (134) THROUGH ITEMS (83) AND (84) TIGHTEN AS SHOWN.

NOTES:

| | |
|---|---|
| NEXT ASSY:<br>DRAWN BY: W. E.<br>ENGINEER: R. R.<br>CHECKED BY: L. L. | INSTALLATION BAFFLE REAR LEFT |
| TOLERANCES<br>.X___.10 .XXX___.01<br>.XX_.03 .XXXX_.001<br>ANGLES ±5%<br>UNLESS STATED | D'SHANNON PRODUCTS, LTD |
| DWG. No. DSP-IM95-4-16 | REVISION A |
| SCALE: NONE | DATE 7/8/15 \| SH 2 OF 2 |

| REVISION RECORD | | | |
|---|---|---|---|
| LTR. | CHANGES | BY | DATE |
| NC | RELEASED. MOVED NOTES. REMOVED SH 6. | D. B. | 03/08/10 |
| A | CLARIFY INSTRUCTIONS | W. E. | 7/8/15 |




VIEW "A"

| ITEM | QTY | PART No. | DESCRIPTION |
|---|---|---|---|
| 89 | 5 | MS35206-227 | PAN HEAD MACHINE SCREW |
| 43 | 2 | MS21042-3 | REDUCED DIMENSION LOCKNUT |
| 42 | 4 | MS21042-06 | REDUCED DIMENSION LOCKNUT |
| 41 | 4 | AN960-10 | FLAT WASHER |
| 40 | 4 | AN960C6 | FLAT WASHER |
| 39 | 2 | AN3-3A | BOLT UNDRILLED #10-32 |
| 38 | 4 | AN526C632R8 | TRUSS HEAD MACHINE SCREW |
| 86 | 1 | BBR-A02 | BAFFLE REAR RIGHT ASSEMBLY |
| 21 | 1 | BBR-010 | STIFFENER BAFFLE REAR RIGHT |
| 20 | 1 | BBR-005-1 | STARTER STUD BRACKET |
| 17 | 1 | 244011Z | #1 CYL LOWER FORWARD BAFFLE ASSY |

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

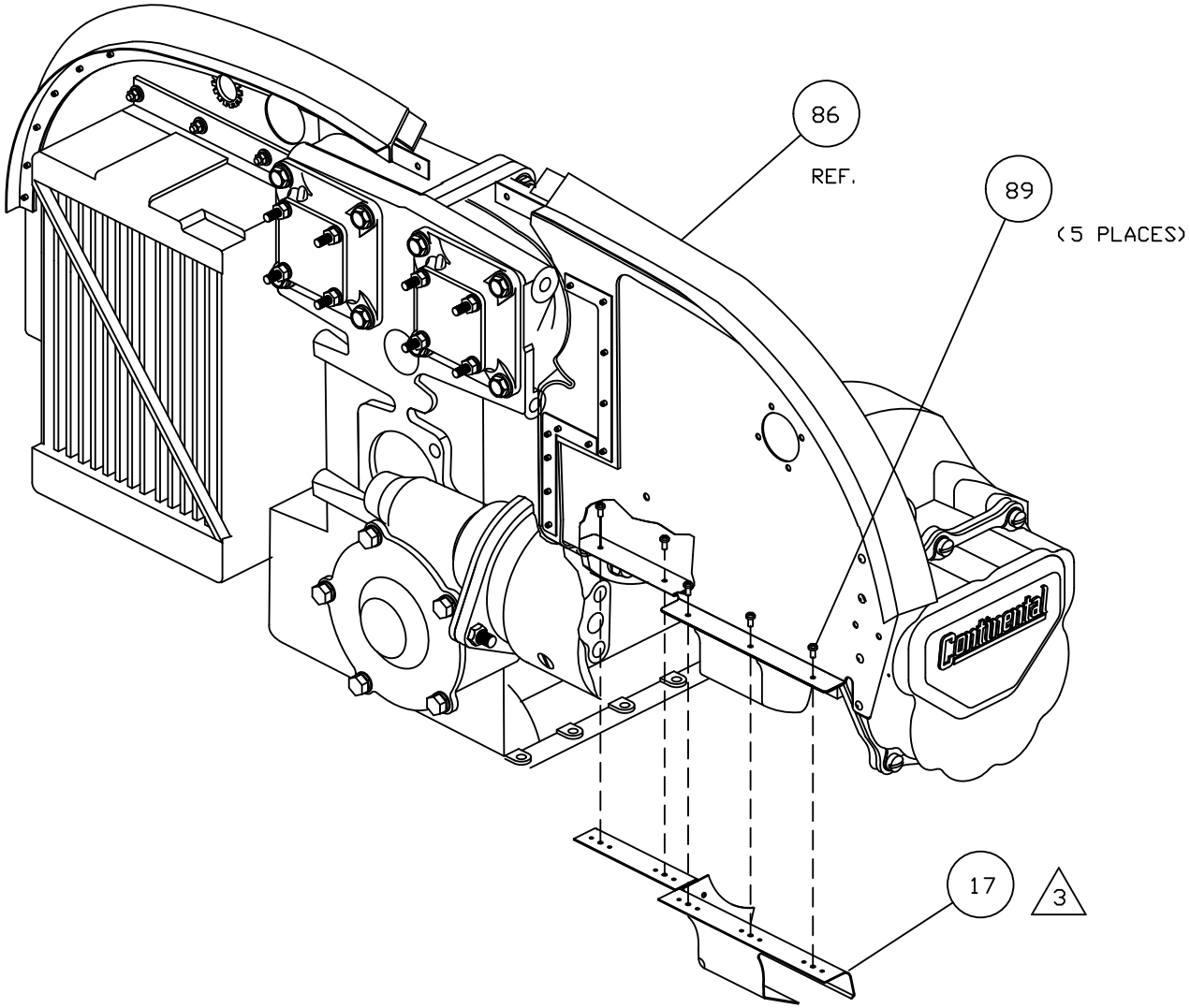
DWG. No. DSP-IM95-4-17 | REVISION A

SCALE: NONE | DATE 7/8/15 | SH 1 OF 5

△2 INSTALL ITEM (86) ON ENGINE USING ORIGINAL ROCKER COVER HARDWARE AS GUIDE. SEE SHEET 1 OF 5 FOR DETAIL. TIGHTEN AS PER CONTINENTAL MANUAL FOR TORQUE VALUES.

△1 ORIGINAL HARDWARE

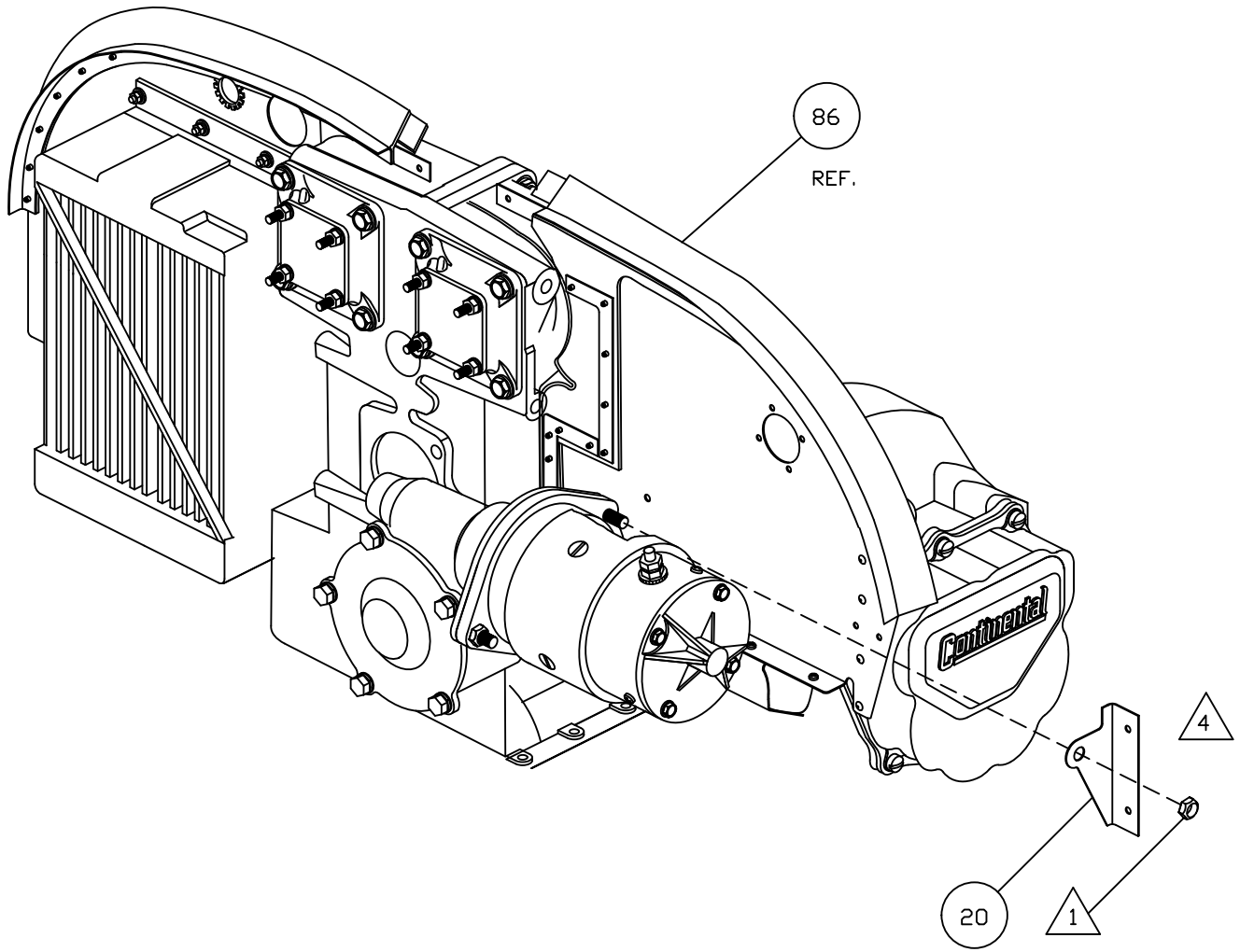
NOTES:




NOTES:

3 ALIGN ITEM (17) AS SHOWN. RUN ITEM (89) THROUGH ITEMS (86) AND (17) AND TIGHTEN.

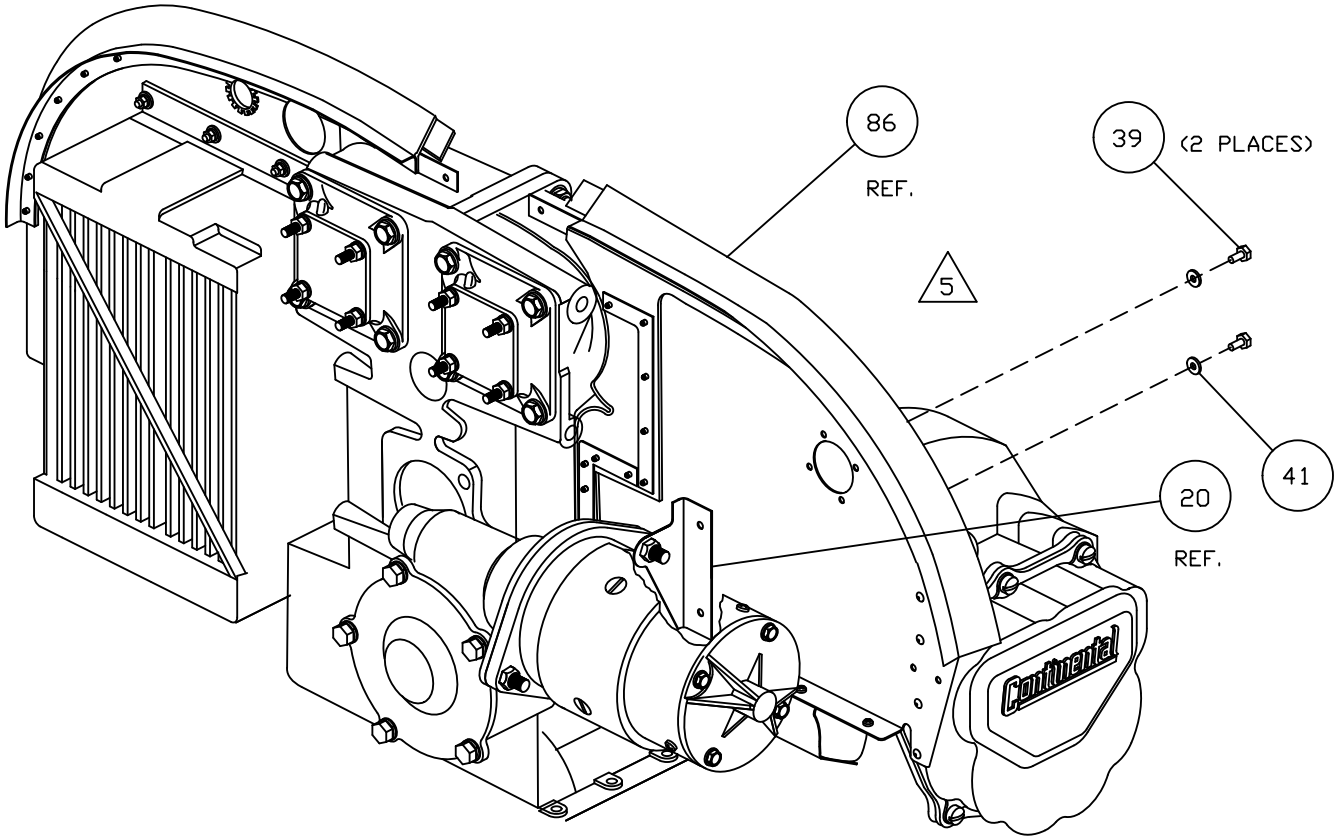
| | |
|---|---|
| NEXT ASSY:<br>DRAWN BY: W. E.<br>ENGINEER: R. R.<br>CHECKED BY: L. L. | INSTALLATION BAFFLE REAR RIGHT |
| TOLERANCES<br>.X___.10 .XXX___.01<br>.XX_.03 .XXXX_.001<br>ANGLES ±5%<br>UNLESS STATED | *D'SHANNON PRODUCTS, LTD* |
| DWG. No. DSP-IM95-4-17 | REVISION A |
| SCALE: NONE | DATE 7/8/15 \| SH 2 OF 5 |




4 INSTALL ITEM (20) AS SHOWN USING ORIGINAL HARDWARE.

NOTES:

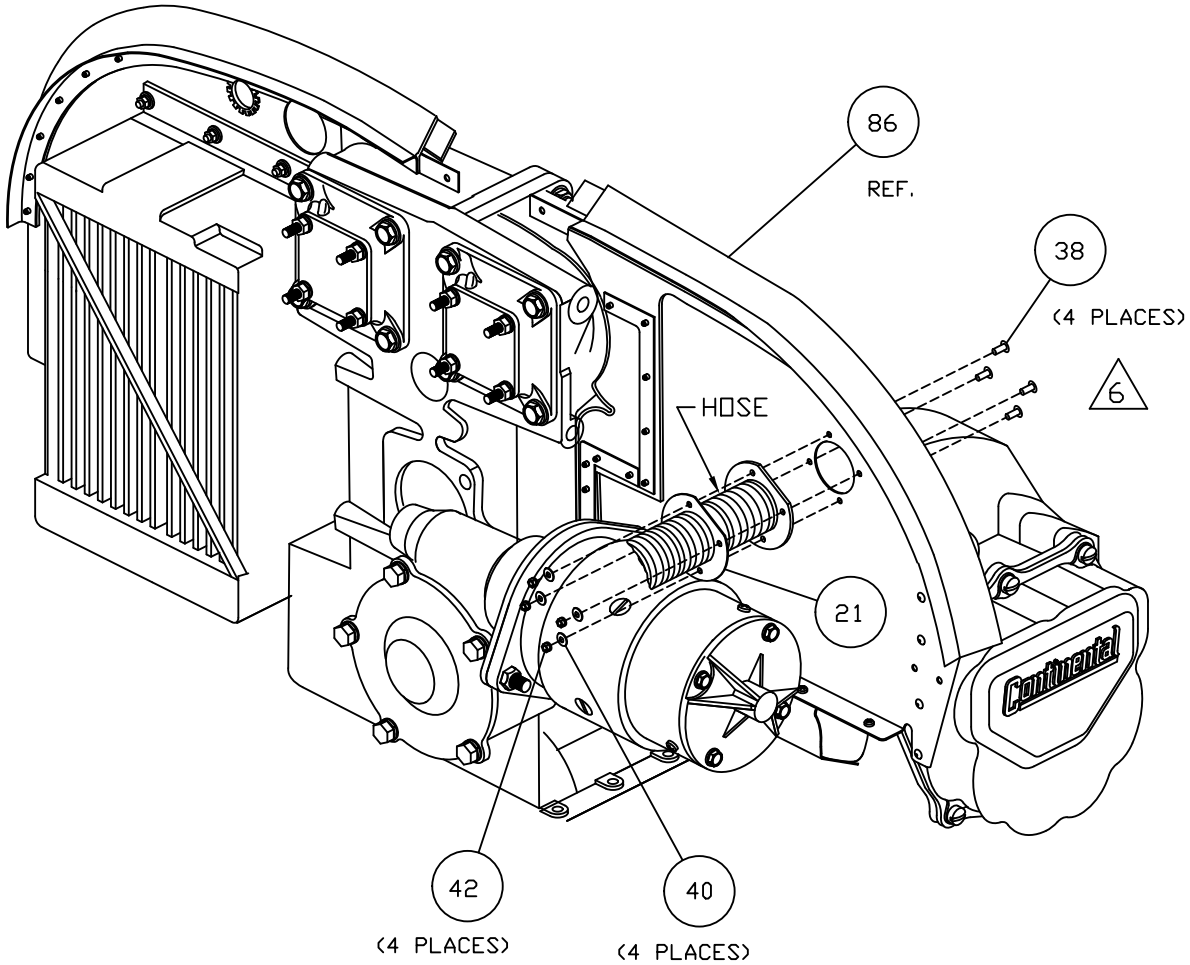
| | |
|---|---|
| NEXT ASSY:<br>DRAWN BY: W. E.<br>ENGINEER: R. R.<br>CHECKED BY: L. L. | INSTALLATION BAFFLE REAR RIGHT |
| TOLERANCES<br>.X___.10 .XXX___.01<br>.XX_.03 .XXXX_.001<br>ANGLES ±5%<br>UNLESS STATED | *D'SHANNON PRODUCTS, LTD* |
| DWG. No. DSP-IM95-4-17 | REVISION A |
| SCALE: NONE | DATE 7/8/15 \| SH 3 OF 5 |




5 ALIGN HOLES ITEM (20) WITH HOLES ON ITEM (86). USE ITEMS (39), (41) AND TIGHTEN.

NOTES:

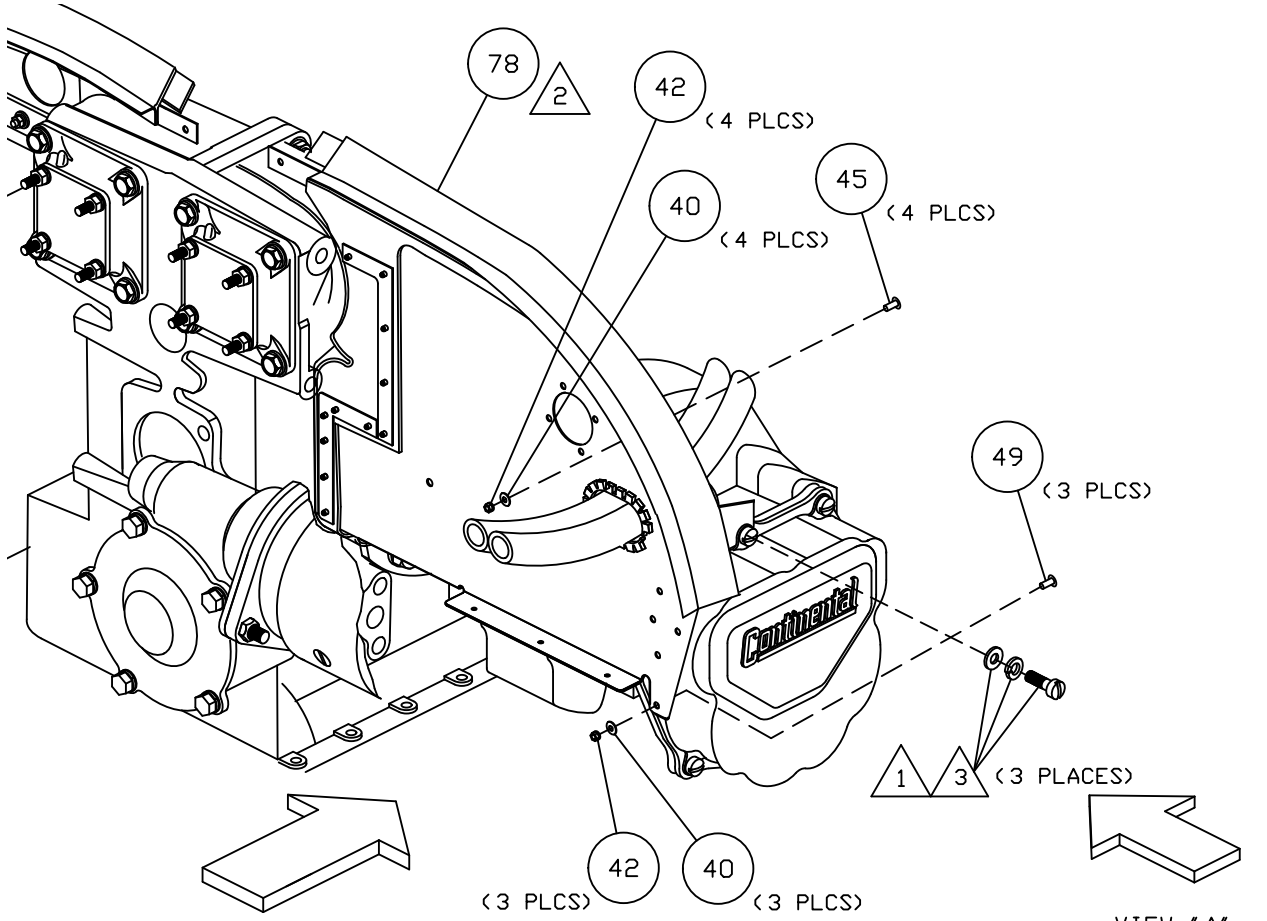
| | |
|---|---|
| NEXT ASSY:<br>DRAWN BY: W. E.<br>ENGINEER: R. R.<br>CHECKED BY: L. L. | INSTALLATION BAFFLE REAR RIGHT |
| TOLERANCES<br>.X___.10 .XXX___.01<br>.XX__.03 .XXXX_.001<br>ANGLES ±5%<br>UNLESS STATED | *D'SHANNON PRODUCTS, LTD* |
| DWG. No. DSP-IM95-4-17 | REVISION A |
| SCALE: NONE | DATE 7/8/15 \| SH 4 OF 5 |




NOTES:

6 ALIGN HOLES ITEM (86) WITH HOLES ON ITEM (21) AND HOSE AS SHOWN ON DRAWING. USE ITEMS (38), (40), (42) AND TIGHTEN.

| | | |
|---|---|---|
| NEXT ASSY:<br>DRAWN BY: W. E.<br>ENGINEER: R. R.<br>CHECKED BY: L. L. | INSTALLATION BAFFLE REAR RIGHT | |
| TOLERANCES<br>.X___.10 .XXX___.01<br>.XX_.03 .XXXX_.001<br>ANGLES ±5%<br>UNLESS STATED | *D'SHANNON PRODUCTS, LTD* | |
| | DWG. No. DSP-IM95-4-17 | REVISION A |
| | SCALE: NONE DATE 7/8/15 | SH 5 OF 5 |




| REVISION RECORD | | | |
|---|---|---|---|
| LTR. | CHANGES | BY | DATE |
| NC | RELEASED | D. B. | 11/11/10 |
| A | ADJUST PARTS COUNT | W. E. | 7/8/15 |

| | | | |
|---|---|---|---|
| 89 | 5 | MS35206-227 | PAN HEAD MACHINE SCREW |
| 51 | A. R. | GE SILICONE II | SILICONE SEALANT |
| 49 | 3 | MS35206-228 | PAN HEAD MACHINE SCREW |
| 45 | 4 | MS35206-231 | PAN HEAD MACHINE SCREW |
| 42 | 4 | MS21042-06 | REDUCED DIMENSION LOCKNUT |
| 41 | 2 | AN960-10 | FLAT WASHER |
| 40 | 4 | AN960C6 | FLAT WASHER |
| 39 | 2 | AN3-3A | BOLT UNDRILLED #10-32 |
| 38 | 4 | AN526C632R8 | TRUSS HEAD MACHINE SCREW |
| 79 | 1 | BBR-004-2 | BRACKET WITH AC |
| 78 | 1 | BBR-A02-1 | BAFFLE REAR RIGHT ASSY WITH AC |
| 21 | 1 | BBR-010 | STIFFENER BAFFLE REAR RIGHT |
| 20 | 1 | BBR-005-1 | STARTER STUD BRACKET |
| 17 | 1 | 244011Z | #1 CYL LOWER FORWARD BAFFLE ASSY |
| ITEM | QTY | PART No. | DESCRIPTION |

NOTES:

△3 INSTALL ITEM (79) ON ENGINE USING ORIGINAL ROCKER COVER HARDWARE. TIGHTEN AS PER CONTINENTAL MANUAL FOR TORQUE VALUES. LINE UP HOLES IN ITEM (79) WITH ITEM (78). RUN ITEM (45) THROUGH ITEMS (78) AND (79) (THROUGH GASKET AND RETAINER) AND ITEM (49) THROUGH ITEMS (78) AND (79). SECURE WITH ITEMS (40) AND (42).

△2 PLACE ITEM (78) ON ENGINE BY SPREADING BAFFLE AT GROMMETTED HOLE AND SLIPPING OVER AIR CONDITIONING HOSES.

△1 ORIGINAL HARDWARE

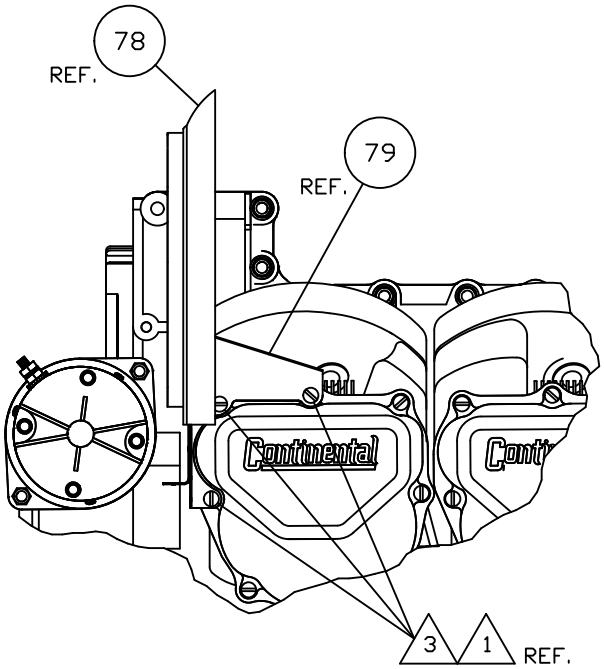
NEXT ASSY:
DRAWN BY: W. E.
ENGINEER: R. R.
CHECKED BY: L. L.

INSTALLATION BAFFLE
REAR RIGHT WITH AIR CONDITIONING

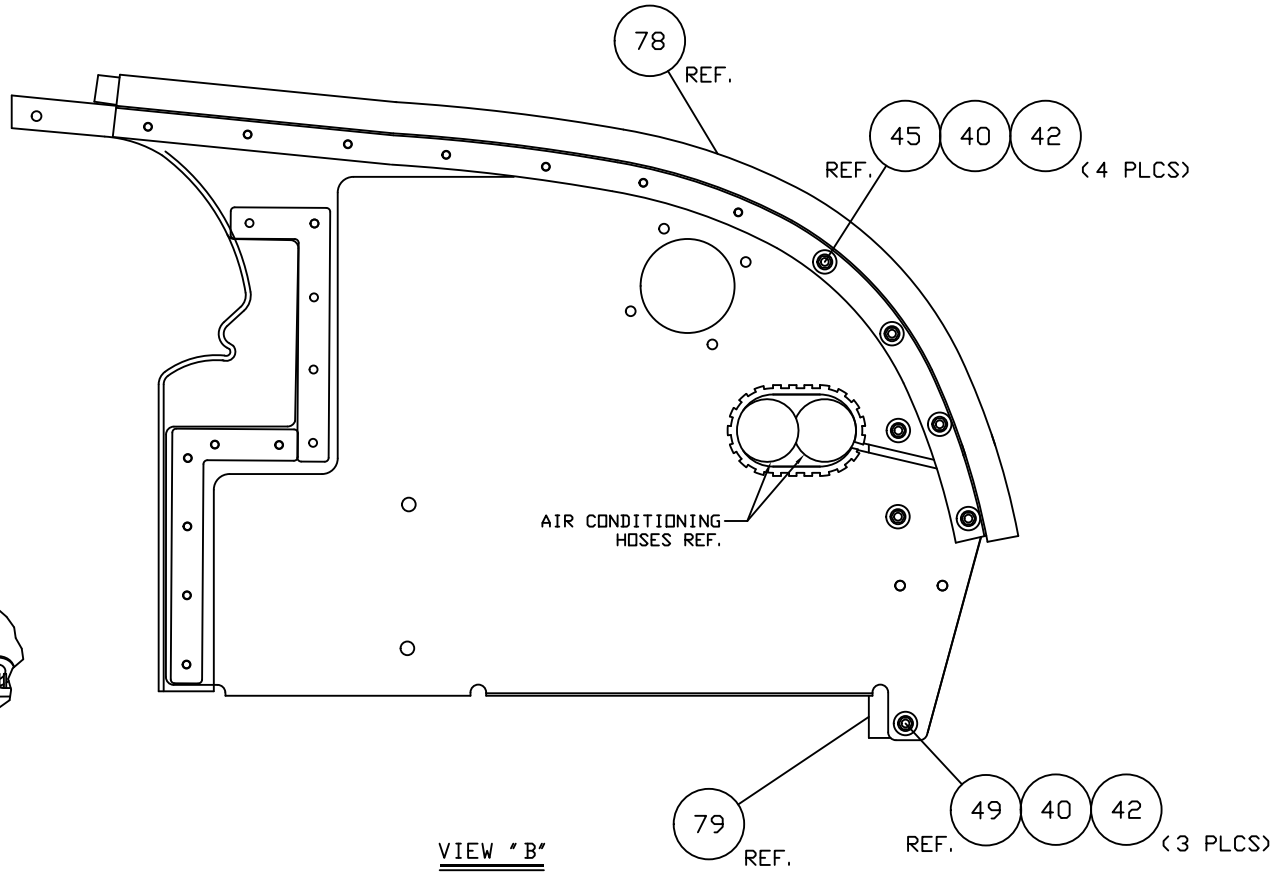
TOLERANCES
.X__.10 .XXX__.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

D'SHANNON PRODUCTS, LTD

DWG. No. DSP-IM95-4-17A | REVISION A
SCALE: NONE | DATE 7/8/15 | SH 1 OF 6




VIEW "A"



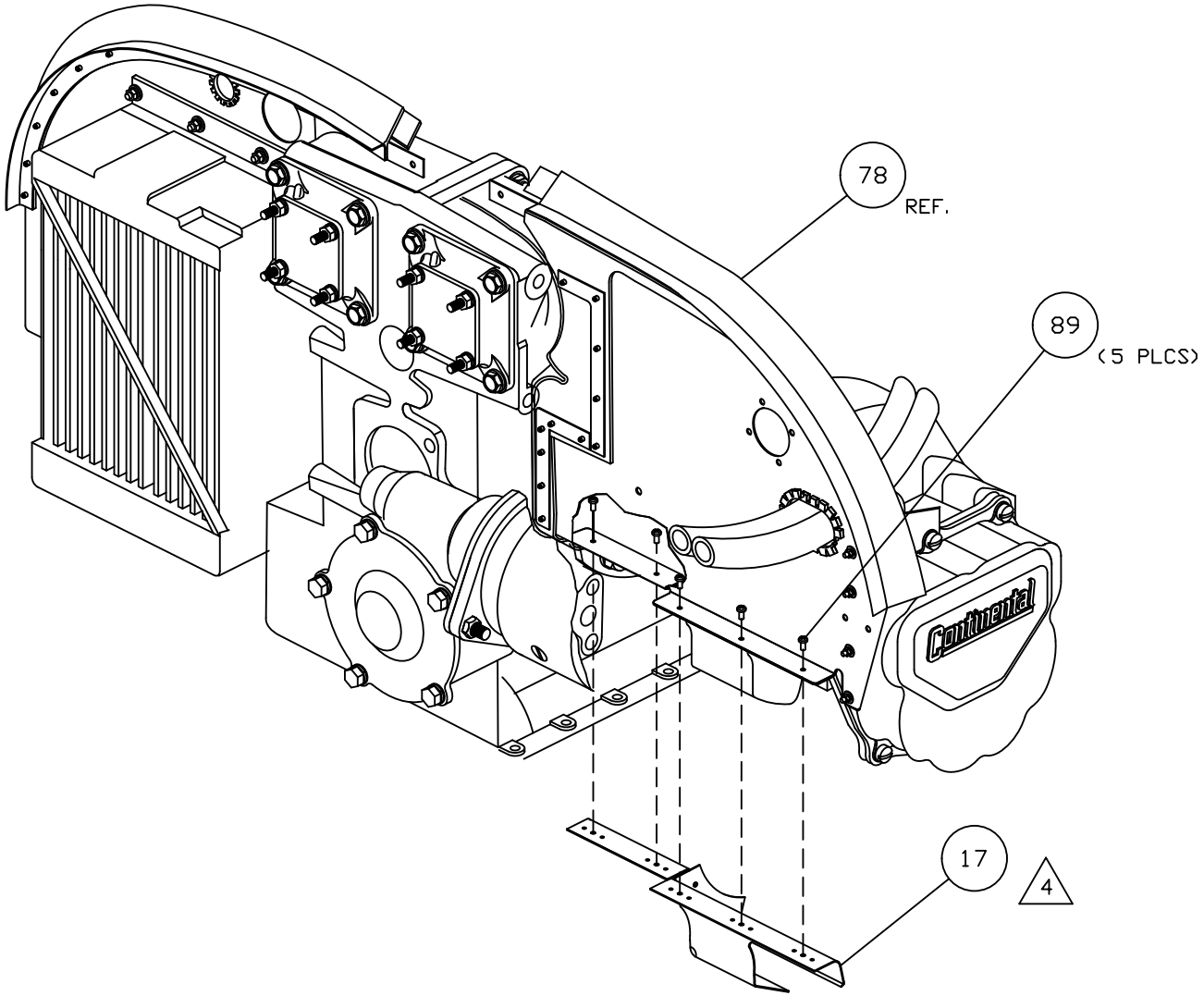

VIEW "B"

△3 INSTALL ITEM (79) ON ENGINE USING ORIGINAL ROCKER COVER HARDWARE. TIGHTEN AS PER CONTINENTAL MANUAL FOR TORQUE VALUES. LINE UP HOLES IN ITEM (79) WITH ITEM (78). RUN ITEM (45) THROUGH ITEMS (78) AND (79) (THROUGH GASKET AND RETAINER) AND ITEM (49) THROUGH ITEMS (78) AND (79). SECURE WITH ITEMS (40) AND (42).

△1 ORIGINAL HARDWARE

NOTES:

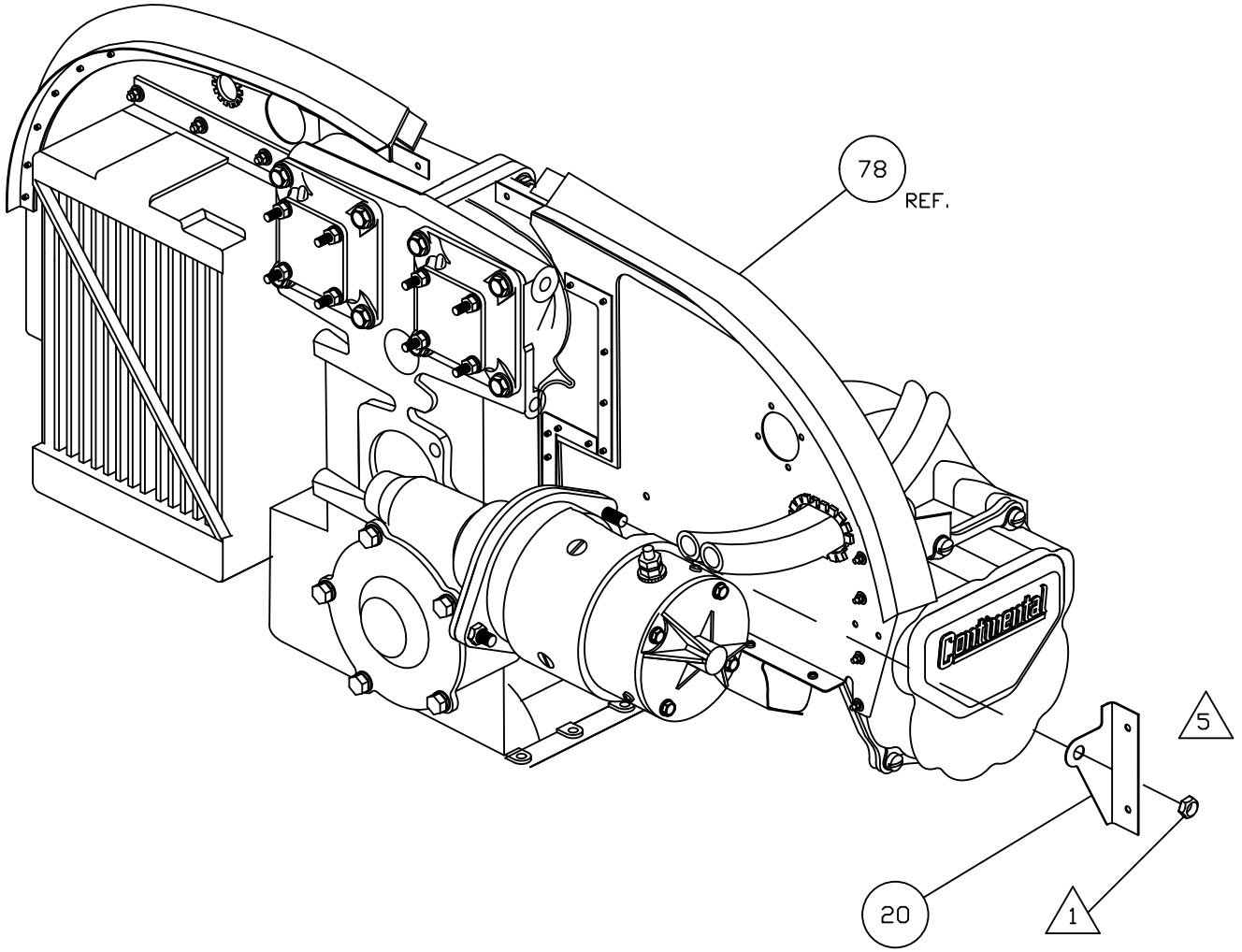
| | |
|---|---|
| NEXT ASSY:<br>DRAWN BY: W. E.<br>ENGINEER: R. R.<br>CHECKED BY: L. L. | INSTALLATION BAFFLE<br>REAR RIGHT WITH AIR CONDITIONING |
| TOLERANCES<br>.X___.10 .XXX___.01<br>.XX_.03 .XXXX_.001<br>ANGLES ±5%<br>UNLESS STATED | D'SHANNON PRODUCTS, LTD |
| DWG. No. DSP-IM95-4-17A | REVISION A |
| SCALE: NONE | DATE 7/8/15 |
| SH 2 OF 6 | |




NOTES:

4 ALIGN ITEM (17) AS SHOWN. RUN ITEM (89) THROUGH ITEMS (78) AND (17) AND TIGHTEN.

| | |
|---|---|
| NEXT ASSY:<br>DRAWN BY: W. E.<br>ENGINEER: R. R.<br>CHECKED BY: L. L. | INSTALLATION BAFFLE<br>REAR RIGHT WITH AIR CONDITIONING |
| TOLERANCES<br>.X___.10 .XXX___.01<br>.XX_.03 .XXXX_.001<br>ANGLES ±5%<br>UNLESS STATED | *D'SHANNON PRODUCTS, LTD* |
| DWG. No. DSP-IM95-4-17A | REVISION A |
| SCALE: NONE | DATE 7/8/15 |
| SH 3 OF 6 | |

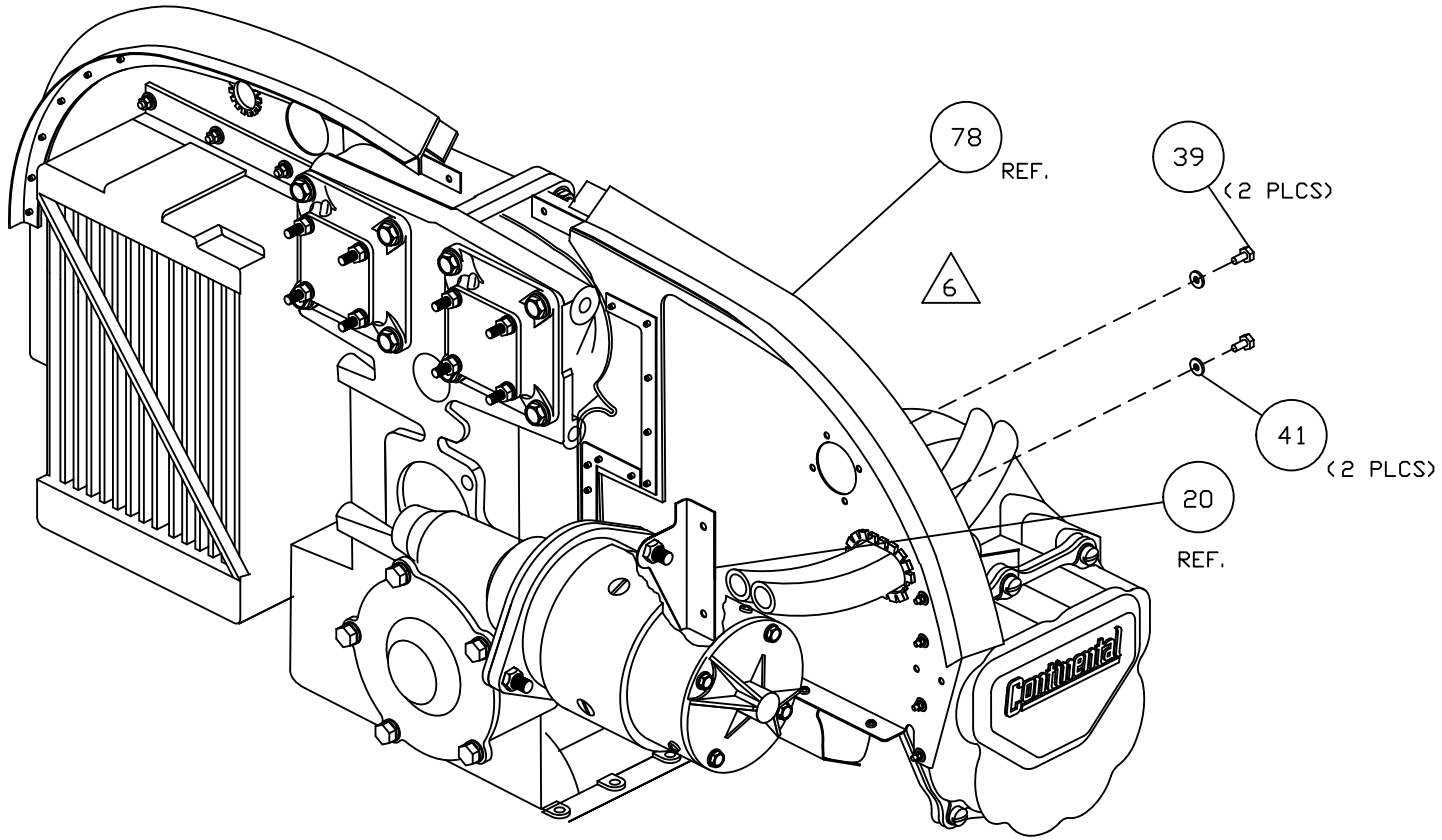



△5 INSTALL ITEM (20) AS SHOWN USING ORIGINAL HARDWARE.

△1 ORIGINAL HARDWARE

NOTES:

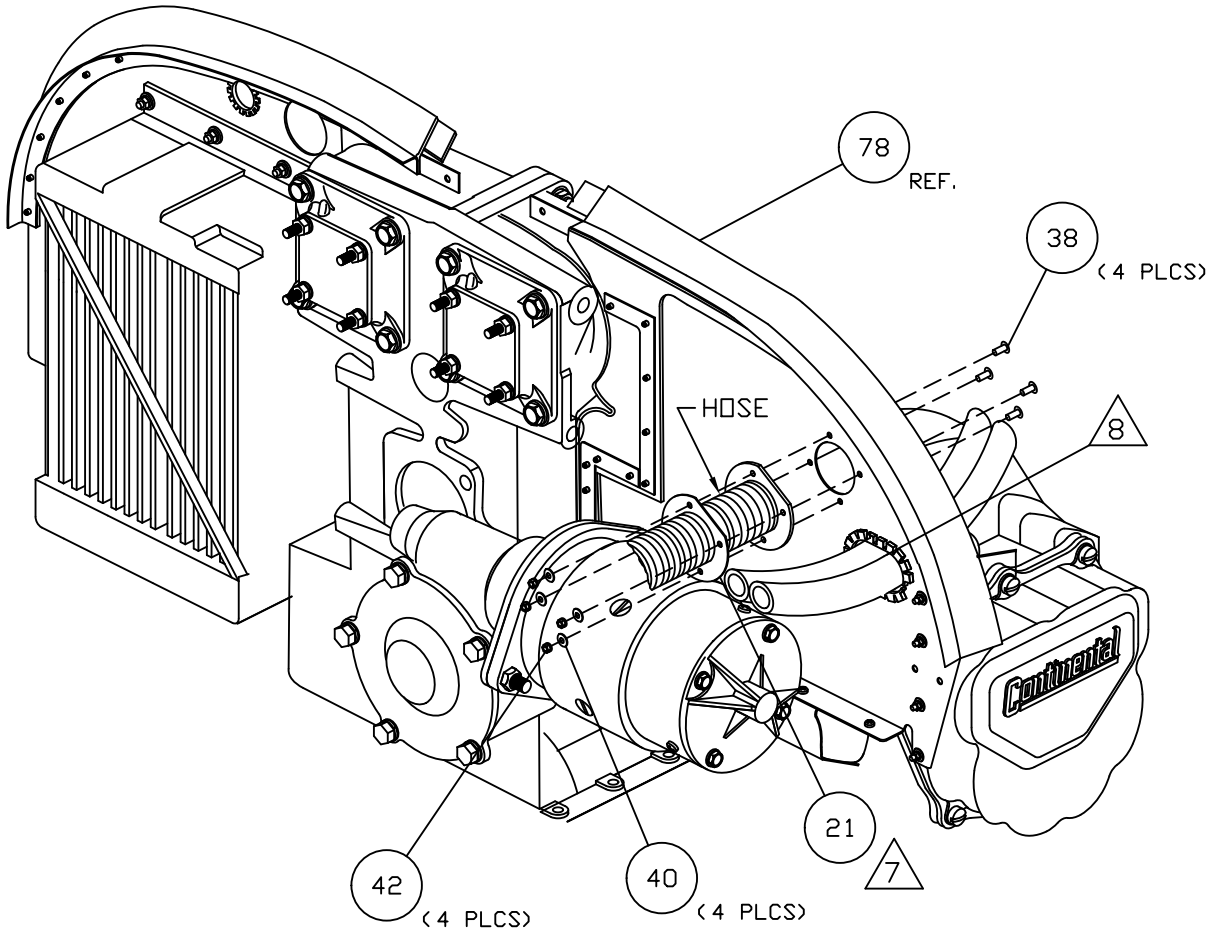
| | | | |
|---|---|---|---|
| NEXT ASSY:<br>DRAWN BY: W. E.<br>ENGINEER: R. R.<br>CHECKED BY: L. L. | INSTALLATION BAFFLE<br>REAR RIGHT WITH AIR CONDITIONING | | |
| TOLERANCES<br>.X___.10 .XXX___.01<br>.XX_.03 .XXXX_.001<br>ANGLES ±5%<br>UNLESS STATED | *D'SHANNON PRODUCTS, LTD* | | |
| | DWG. No. DSP-IM95-4-17A | REVISION A | |
| | SCALE: NONE | DATE 7/8/15 | SH 4 OF 6 |




6 ALIGN HOLES IN ITEM (20) WITH HOLES ON ITEM (78). SECURE WITH ITEMS (39), (41) AND (43) AND TIGHTEN.

NOTES:

| | |
|---|---|
| NEXT ASSY:<br>DRAWN BY: W. E.<br>ENGINEER: R. R.<br>CHECKED BY: L. L. | INSTALLATION BAFFLE<br>REAR RIGHT WITH AIR CONDITIONING |
| TOLERANCES<br>.X___.10 .XXX___.01<br>.XX_.03 .XXXX_.001<br>ANGLES ±5%<br>UNLESS STATED | *D'SHANNON PRODUCTS, LTD* |
| DWG. No. DSP-IM95-4-17A | REVISION A |
| SCALE: NONE | DATE 7/8/15 |
| SH 5 OF 6 | |



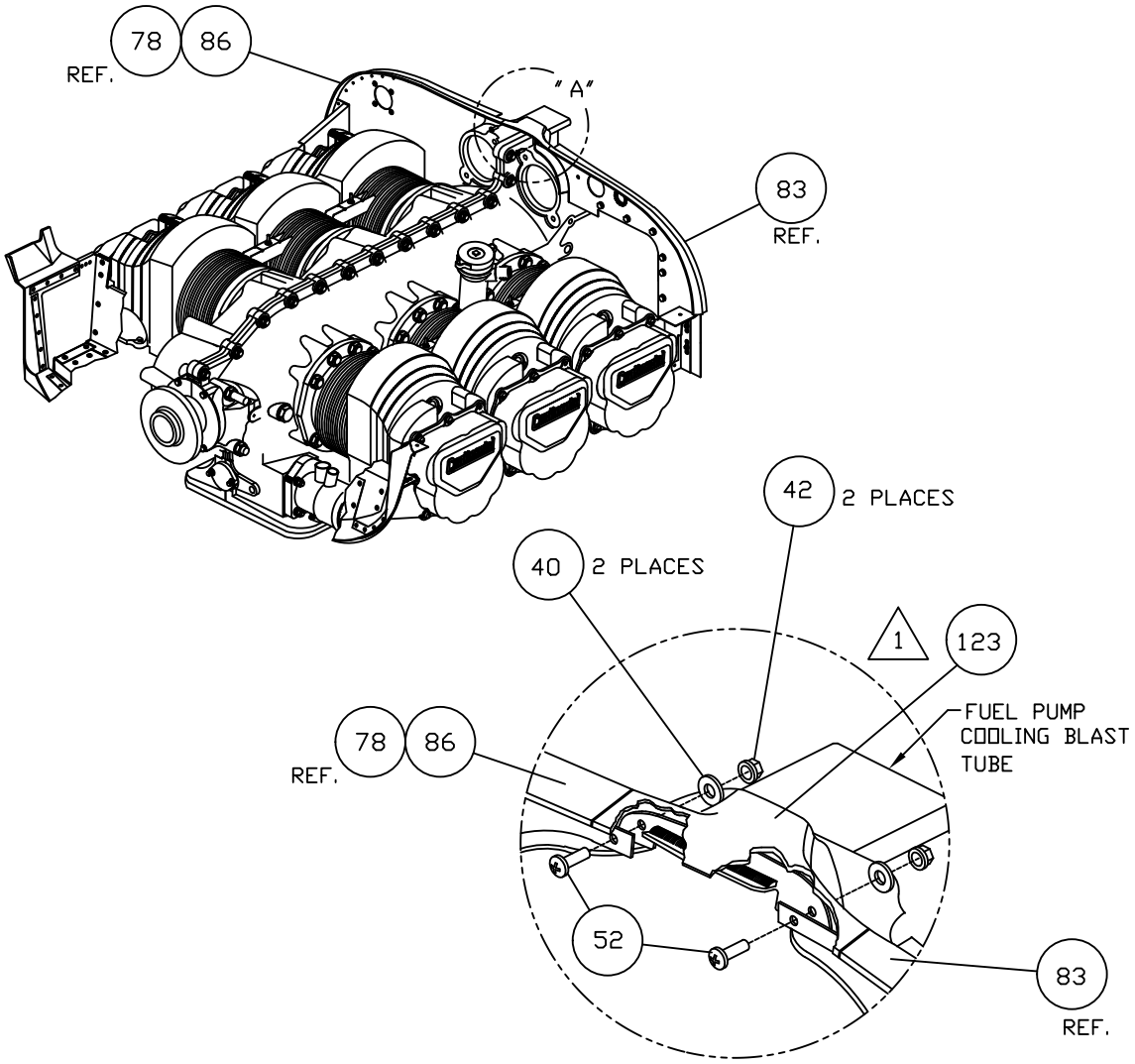

△8 FILL GAPS AT AIR CONDITIONING HOSES WITH ITEM (51) SILICONE AS NEEDED.

△7 ALIGN HOLES IN ITEM (78) WITH HOLES IN ITEM (21) AND HOSE AS SHOWN ON DRAWING. SECURE WITH ITEMS (38), (40) AND (42) AND TIGHTEN.

NOTES:

| | | | |
|---|---|---|---|
| NEXT ASSY:<br>DRAWN BY: W. E.<br>ENGINEER: R. R.<br>CHECKED BY: L. L. | INSTALLATION BAFFLE<br>REAR RIGHT WITH AIR CONDITIONING | | |
| TOLERANCES<br>.X___.10 .XXX___.01<br>.XX_.03 .XXXX_.001<br>ANGLES ±5%<br>UNLESS STATED | D'SHANNON PRODUCTS, LTD | | |
| | DWG. No. DSP-IM95-4-17A | REVISION A | |
| | SCALE: NONE | DATE 7/8/15 | SH 6 OF 6 |

| REVISION RECORD | | | |
|---|---|---|---|
| LTR. | CHANGES | BY | DATE |
| NC | RELEASED. MOVED NOTE. REMOVE SH 2. | D. B. | 03/08/10 |
| A | AIR CONDITIONING CHANGES | D. B. | 11/11/10 |
| B | RESIZE SCREW | W. E. | 7/8/15 |




DETAIL A

| ITEM | QTY | PART No. | DESCRIPTION |
|---|---|---|---|
| 42 | 2 | MS21042-06 | REDUCED DIMENSION LOCKNUT |
| 40 | 2 | AN960C6 | FLAT WASHER |
| 52 | 2 | AN526C632R12 | TRUSS HEAD MACHINE SCREW |
| 123 | 1 | BRG-006-2 | GASKET BAFFLE REAR CENTER |

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

INSTL GASKET BAFFLE REAR CENTER

TOLERANCES
.X___.10 .XXX___.01
.XX__.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

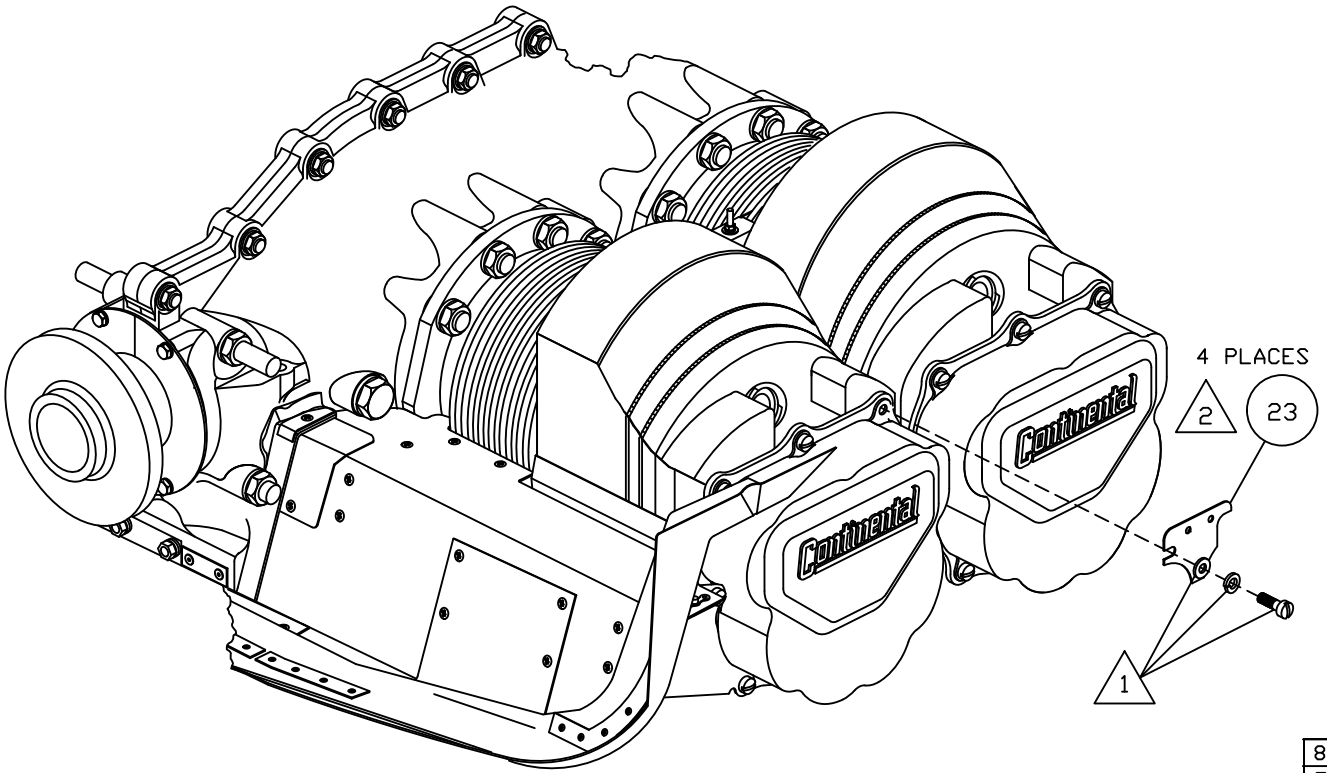
D'SHANNON PRODUCTS, LTD

DWG. No. DSP-IM95-4-18 | REVISION B
SCALE: NONE | DATE 7/8/15 | SH 1 OF 1

1 ATTACH ITEM (123) WITH ITEMS (86) OR (78) AND (83). USE ITEMS (52), 40 AND (42) AND TIGHTEN.

NOTES:

| REVISION RECORD | | | |
|---|---|---|---|
| LTR. | CHANGES | BY | DATE |
| NC | RELEASED. MOVED NOTES. REMOVE SH 6. | D. B. | 03/08/10 |
| A | AIR CONDITIONING CHANGES | D. B. | 11/11/10 |
| B | REMOVE NUTS AND WASHER | W. E. | 7/8/15 |




TYP. INSTALLATION
(4 PLACES)

| ITEM | QTY | PART No. | DESCRIPTION |
|---|---|---|---|
| 89 | 29 | MS35206-227 | PAN HEAD MACHINE SCREW |
| 51 | A. R. | G. E. SILICONE II | SILICONE |
| 48 | 4 | AN931-4-7 | ELASTIC GROMMET |
| 42 | 2 | MS21042-06 | REDUCED DIMENSION LOCKNUT |
| 40 | 3 | AN960C6 | FLAT WASHER |
| 26 | 1 | BS-A02 | BAFFLE SIDE LEFT ASSEMBLY |
| 25 | 1 | BS-A01 | BAFFLE SIDE RIGHT ASSEMBLY |
| 24 | 4 | 244047 | BRACKET BAFFLE SIDE |
| 23 | 4 | 244045 | BRACKET BAFFLE SIDE |

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

INSTALLATION OF SIDE BAFFLES

TOLERANCES
.X___.10 .XXX___.01
.XX_.03 .XXXX_.001
ANGLES ±5%
UNLESS STATED

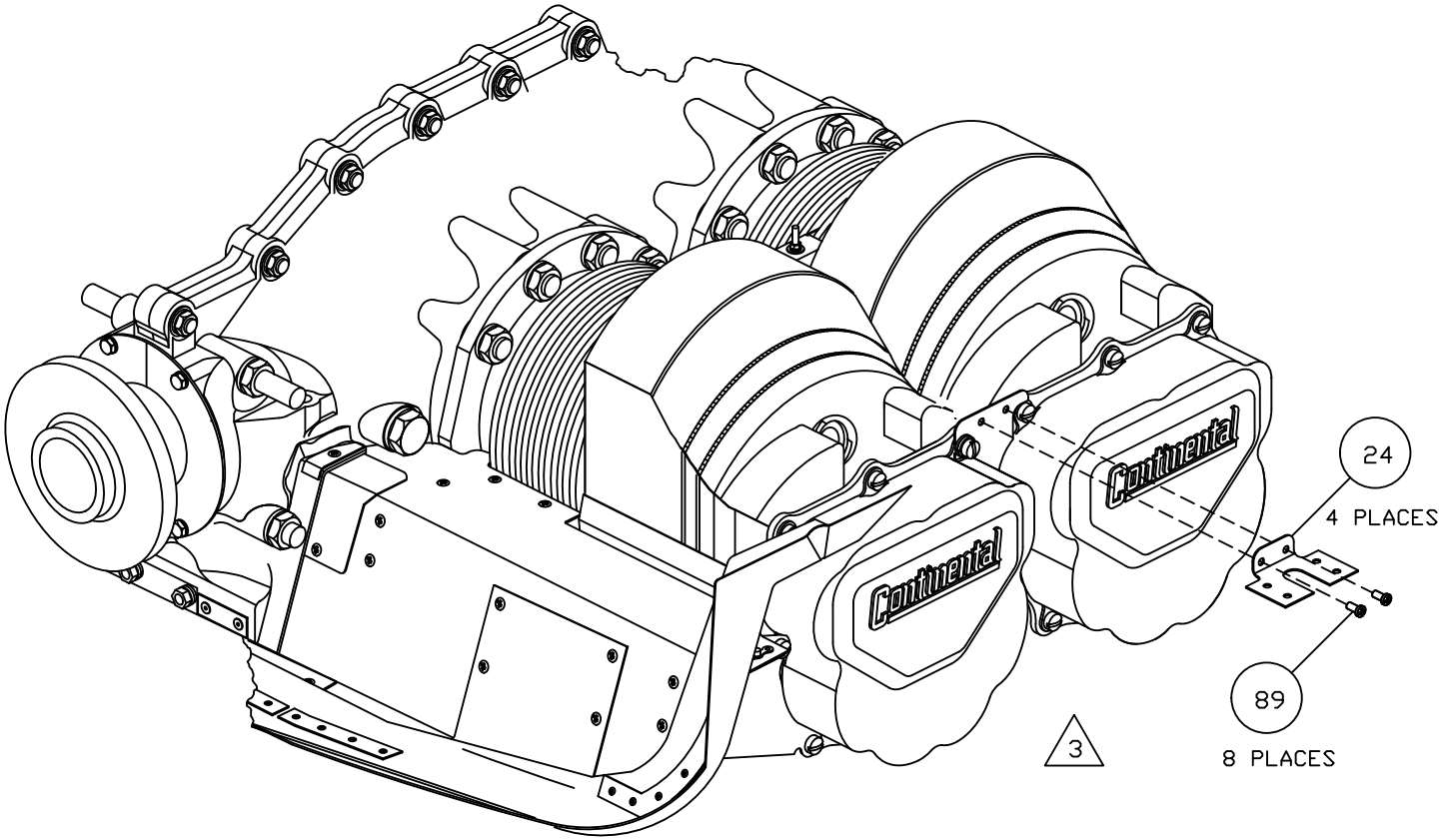
D'SHANNON PRODUCTS, LTD

DWG. No. DSP-IM95-4-19 | REVISION B
SCALE: NONE | DATE 7/8/15 | SH 1 OF 5

NOTES:

2 REMOVE MAGNETO WIRE SUPPORTS FROM THE CYLINDERS AND INSTALL ITEM (23) USING ORIGINAL ROCKER COVER HARDWARE.

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

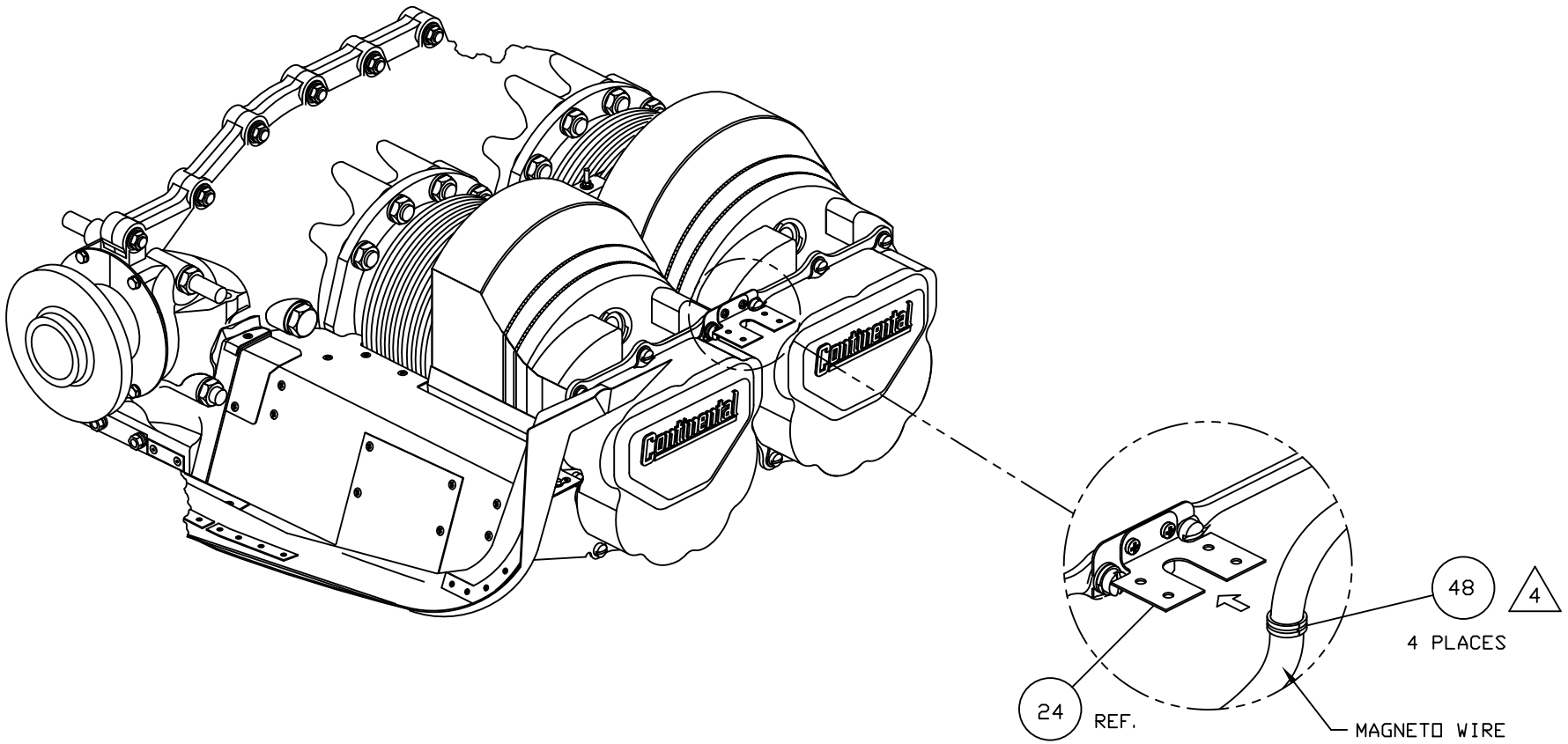



TYP. INSTALLATION
(4 PLACES)

NOTES:

3 INSTALL ITEM (24) USING ITEM (89) AS SHOWN ON DWG.

| | |
|---|---|
| NEXT ASSY:<br>DRAWN BY: W. E.<br>ENGINEER: R. R.<br>CHECKED BY: L. L. | INSTALLATION OF SIDE BAFFLES |
| TOLERANCES<br>.X___.10 .XXX___.01<br>.XX_.03 .XXXX_.001<br>ANGLES ±5%<br>UNLESS STATED | *D'SHANNON PRODUCTS, LTD* |
| DWG. No. DSP-IM95-4-19 | REVISION B |
| SCALE: NONE | DATE 7/8/15 |
| SH 2 OF 5 | |



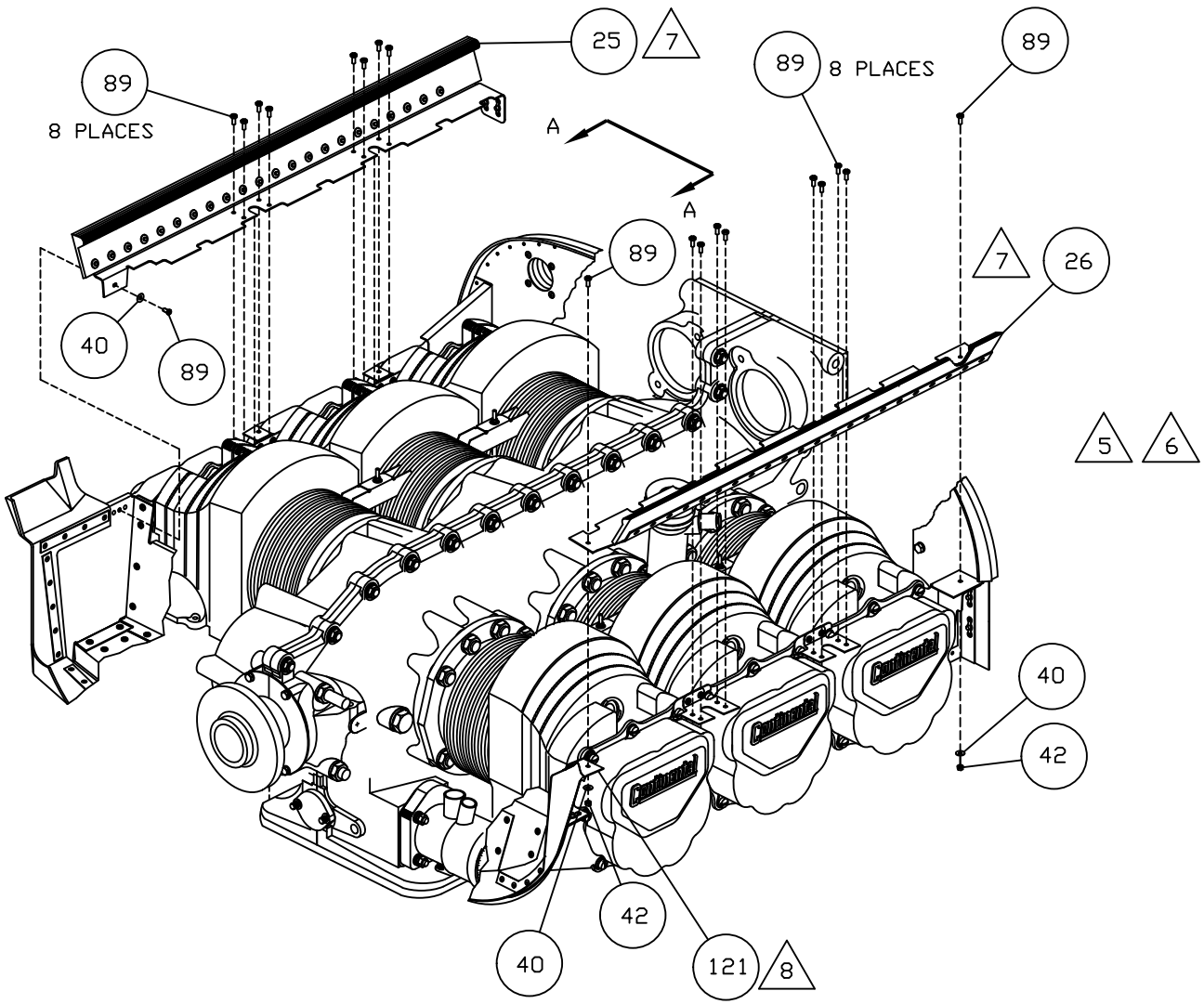

TYP. MAGNETO WIRE INSTALLATION

(4 PLACES)

NOTES:

4 INSTALL ALL NEW ITEM (48) ELASTIC GROMMETS. ITEM (48) MUST BE INSTALLED ON THE MAGNETO WIRE SLOTS IN THE SUPPORT BRACKETS.

| | |
|---|---|
| NEXT ASSY: | INSTALLATION OF SIDE BAFFLES |
| DRAWN BY: W. E. | |
| ENGINEER: R. R. | |
| CHECKED BY: L. L. | |
| TOLERANCES .X___.10 .XXX___.01 .XX__.03 .XXXX_.001 ANGLES ±5% UNLESS STATED | D'SHANNON PRODUCTS, LTD |
| DWG. No. DSP-IM95-4-19 | REVISION B |
| SCALE: NONE | DATE 7/8/15 SH 3 OF 5 |




8 PIERCE THROUGH ITEM (26) TO ITEM (121) (USE DRILL 5/32)

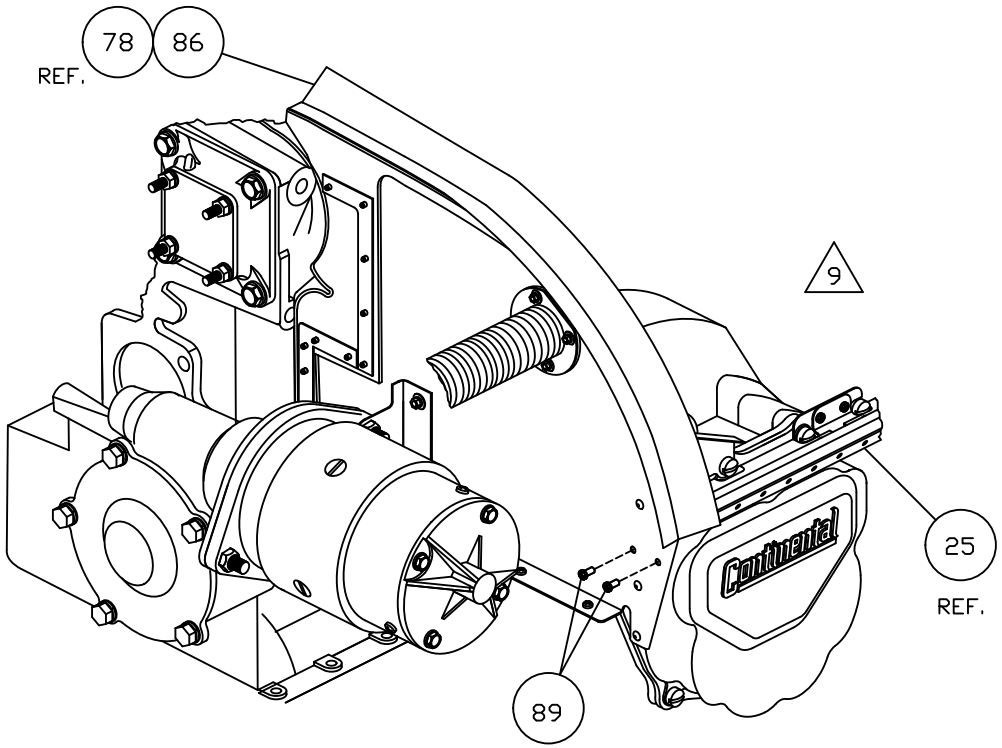
7 ALL REMAINING GAPS AND OPENINGS SHOULD BE SEALED WITH CLEAR SILICONE ITEM (51) (-65 TO +400°) OR EQUIVALENT.

6 TIGHTEN SNUGLY AND BACK-OFF A 1/4 TURN TO ALLOW FOR EXPANSION.

5 AS NOTED THE LEFT-HAND IS THE ITEM (26), RIGHT-HAND IS ITEM (25). ATTACH SIDE BAFFLE ASSEMBLY TO SUPPORT BRACKETS USING ITEM (89) SCREWS, THROUGH ITEM (40) AND ITEM (42).

NOTES:

| | | |
|---|---|---|
| NEXT ASSY:<br>DRAWN BY: W. E.<br>ENGINEER: R. R.<br>CHECKED BY: L. L. | INSTALLATION OF SIDE BAFFLES | |
| TOLERANCES<br>.X___.10 .XXX___.01<br>.XX_.03 .XXXX_.001<br>ANGLES ±5%<br>UNLESS STATED | D'SHANNON PRODUCTS, LTD | |
| | DWG. No. DSP-IM95-4-19 | REVISION B |
| | SCALE: NONE | DATE 7/8/15 SH 4 OF 5 |




VIEW A-A

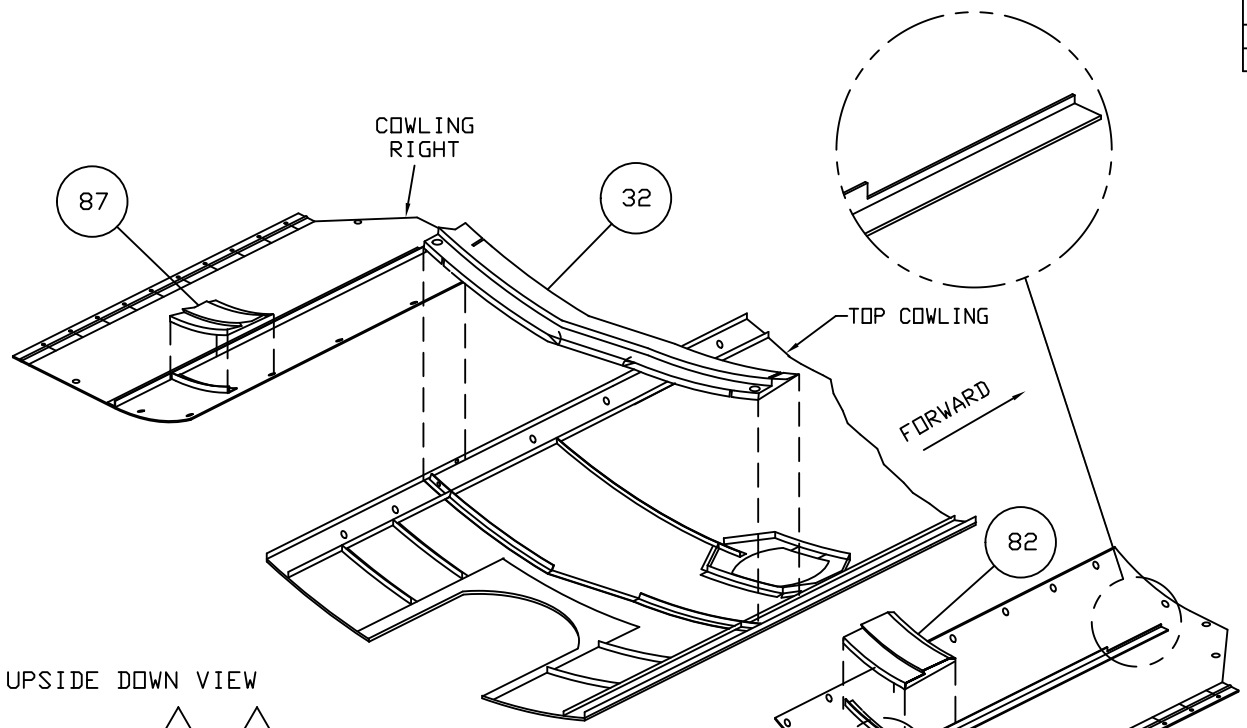
COMES FROM SHEET 4 OF 5

NOTES:

9 RUN ITEM (89) THROUGH ITEMS (86) OR (78) AND (25) AND TIGHTEN.

| | | |
|---|---|---|
| NEXT ASSY:<br>DRAWN BY: W. E.<br>ENGINEER: R. R.<br>CHECKED BY: L. L. | INSTALLATION OF SIDE BAFFLES | |
| TOLERANCES<br>.X___.10 .XXX___.01<br>.XX__.03 .XXXX_.001<br>ANGLES ±5%<br>UNLESS STATED | *D'SHANNON PRODUCTS, LTD* | |
| | DWG. No. DSP-IM95-4-19 | REVISION B |
| | SCALE: NONE | DATE 7/8/15 SH 5 OF 5 |

| REVISION RECORD | | | |
|---|---|---|---|
| LTR. | CHANGES | BY | DATE |
| NC | RELEASED. MOVED NOTES. REMOVE SH 4. | D. B. | 03/08/10 |




UPSIDE DOWN VIEW

△1 △2

TYPICAL INSTALLATION
ALL TOP ENGINE COWLINGS

△2 APPLY SILICON TO ALL GAPS AND CRACKS AS NECESSARY; PRIOR TO INSTALLATION APPLY SEALANT ITEM (50) ON ALL CONTACT SURFACES BETWEEN ITEMS (32), (82), (87) AND COWLINGS

△1 REMOVE OLD ENGINE SEALS FROM SIDE DOORS BY CUTTING THE SECURING STAPLES AWAY WITH A DIE GRINDER CUTOFF WHEEL. IT MAY BE NECESSARY TO TRIM EXCESS MATERIAL TO PREVENT THE SEALS FROM WEARING ON NEW SEAL PLATES. THE SAME MUST BE DONE WITH THE TOP COWLING TO ACCOMMODATE THE NEW COWLING SEAL PLATES AS SHOWN IN THE INSTALLATION MANUAL DRAWINGS.

NOTES:

| ITEM | QTY | PART No. | DESCRIPTION |
|---|---|---|---|
| 51 | A. R. | G. E. SILICONE II | SILICONE |
| 50 | A. R. | CS3204 B2 | SEALANT (OR EQUIV.) |
| 46 | 18 | AD44H | POP RIVET |
| 87 | 1 | BCP-003 | COWLING PLATE RIGHT |
| 82 | 1 | BCP-002 | COWLING PLATE LEFT |
| 32 | 1 | BCP-001 | COWLING PLATE MAIN |

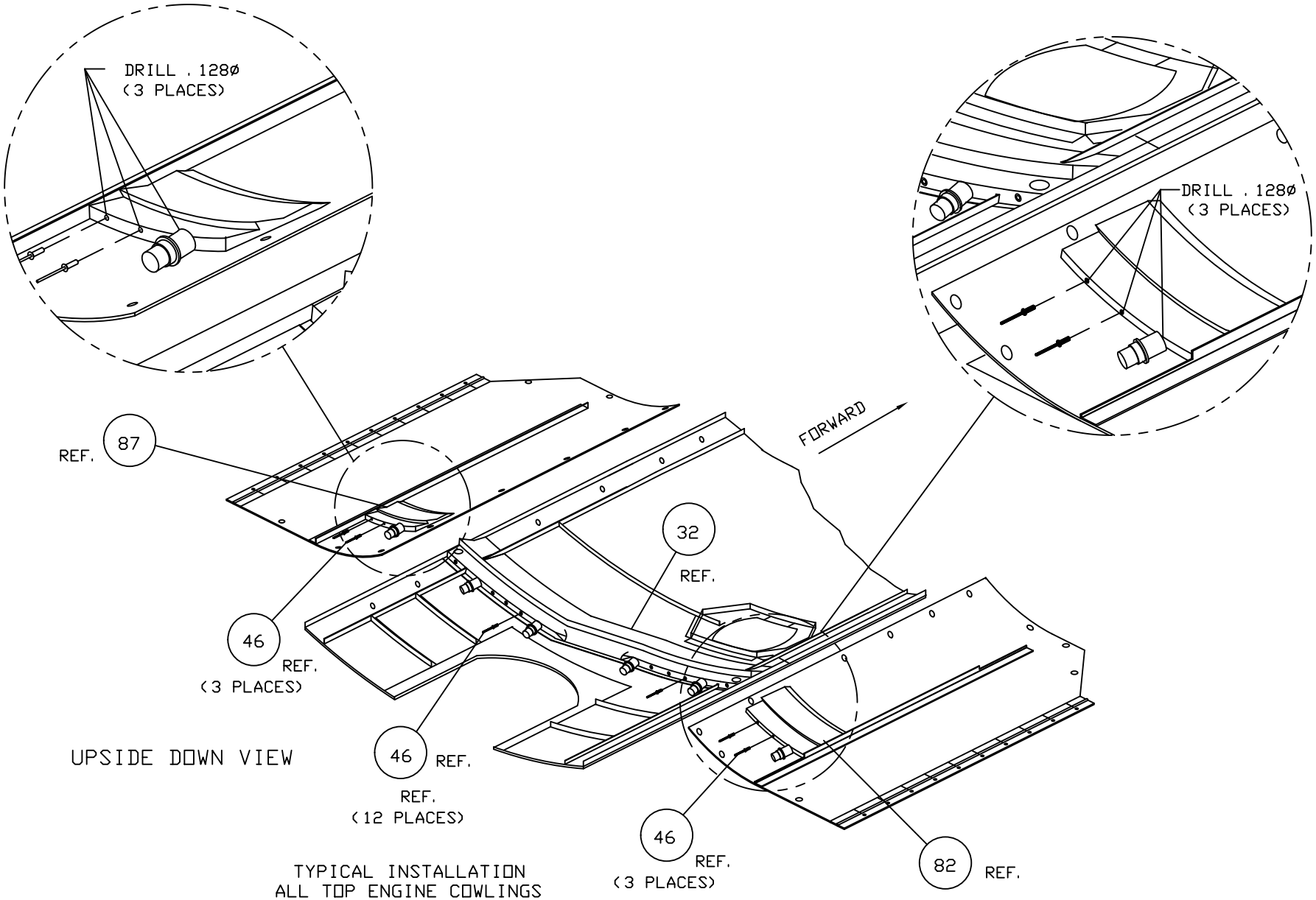
NEXT ASSY:
DRAWN BY: D. B.
ENGINEER: D. BRAUN
CHECKED BY: D. B.

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-IM95-4-20 | REVISION NC
SCALE: NONE | DATE 03/08/10 | SH 1 OF 3

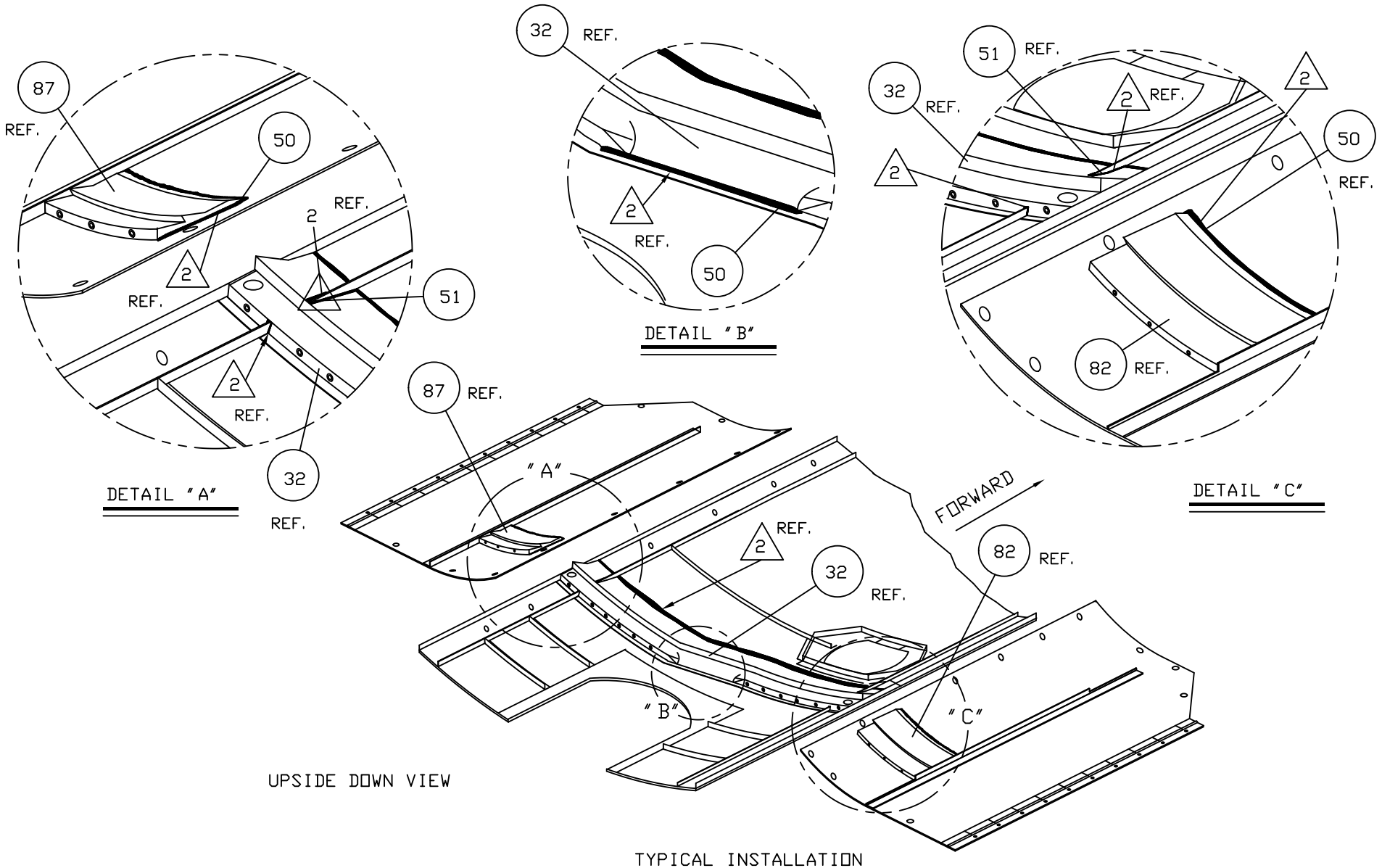



UPSIDE DOWN VIEW

TYPICAL INSTALLATION
ALL TOP ENGINE COWLINGS

NOTES:

| | |
|---|---|
| NEXT ASSY:<br>DRAWN BY: D. B.<br>ENGINEER: D. BRAUN<br>CHECKED BY: D. B. | INSTL OF BAFFLE COWLING PLATES |
| TOLERANCES<br>.X___.10 .XXX___.01<br>.XX__.03 .XXXX_.001<br>ANGLES ±5%<br>UNLESS STATED | *D'SHANNON PRODUCTS, LTD* |
| | DWG. No. DSP-IM95-4-20 \| REVISION NC |
| | SCALE: NONE \| DATE 03/08/10 \| SH 2 OF 3 |



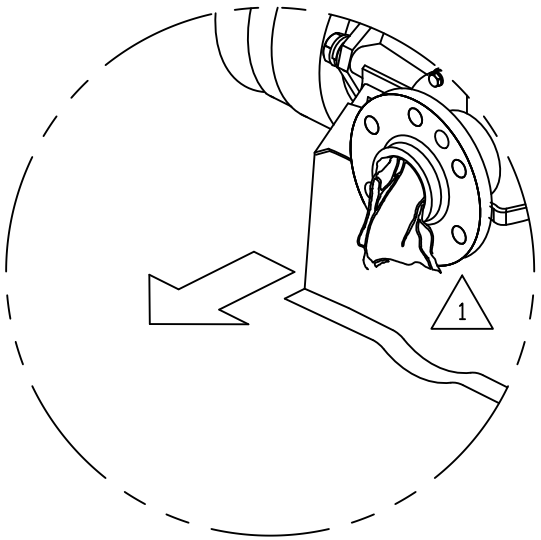

TYPICAL INSTALLATION
ALL TOP ENGINE COWLINGS

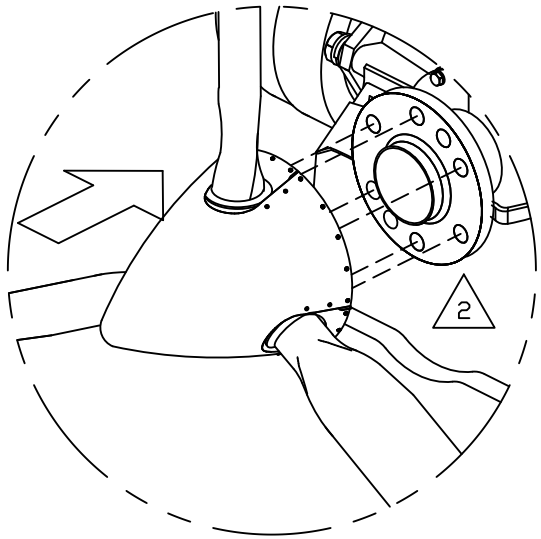
NOTES:

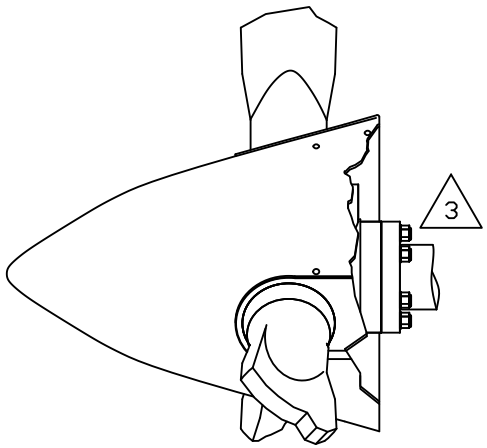
2 APPLY SILICON TO ALL GAPS AND CRACKS AS NECESSARY; PRIOR TO INSTALLATION APPLY SEALANT ITEM (50) ON ALL CONTACT SURFACES BETWEEN ITEMS (32), (82), (87) AND COWLINGS

| | |
|---|---|
| NEXT ASSY: | INSTL OF BAFFLE COWLING PLATES |
| DRAWN BY: D. B. | |
| 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-IM95-4-20 | REVISION NC |
| SCALE: NONE | DATE 03/08/10 SH 3 OF 3 |

| 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: 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 |