

D

C

B

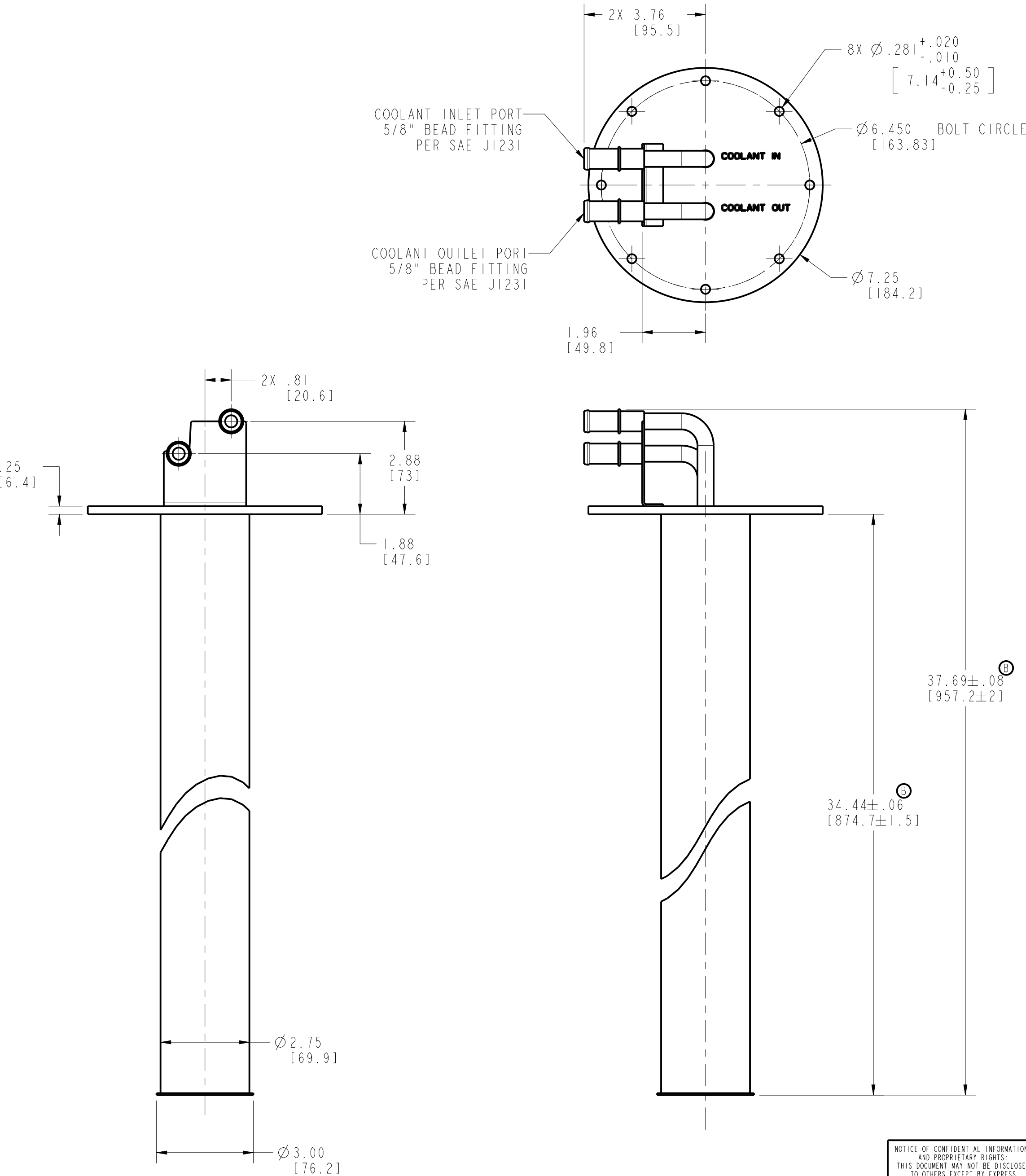
A

D

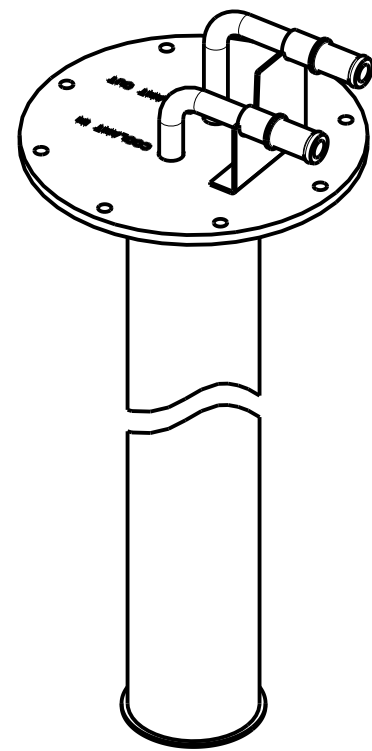
C

B

A



REVISIONS						
RELEASE	LTR	DESCRIPTION	DRAWN/REV. BY	ENGINEER	DATE	APPROVALS ON FILE
ER15/068	A	RELEASE FOR PRODUCTION	A.VARMA	J.NAVASUNDI	041715	
EC15/113	B	COOLANT PRESSURE DROP VALUES CHANGED FROM ESTIMATED TO ACTUAL AFTER FUNCTIONAL TESTING & DIM. 34.44 WAS 33.94, 37.69 WAS 37.19	J.NAVASUNDI	J.NAVASUNDI	10-SEP-2015	



SCALE 0.250

NOTES:

- ALL MATERIALS ARE COMPATIBLE WITH AUS 32, DEF (DIESEL EXHAUST FLUID), DIESEL FUEL, ANTIFREEZE
 - OPERATING TEMPERATURE:
-40°F TO +160°F (-40°C TO +71°C)
 - COOLANT HEATER DESIGNED FOR:
TEMPERATURE: -40°F TO +200°F (-40°C TO +93°C)
PRESSURE: 0 TO 40 psig (0 TO 276 kPa)
 - COOLANT FITTINGS SUITABLE FOR: 5/8" BEAD FITTING
MATERIAL: STAINLESS STEEL 304L OR 316L
 - COOLANT PRESSURE DROP THROUGH HEATER: (REFERENCE ONLY)
- | GPM | PSID | LPM | kPa |
|------|------|-------|------|
| 1.00 | 0.90 | 3.80 | 6.20 |
| 2.00 | 1.10 | 7.60 | 7.58 |
| 3.00 | 1.80 | 11.40 | 12.4 |
| 4.00 | 2.70 | 15.10 | 18.6 |
- MATERIAL OF ALL COMPONENTS ARE EITHER STAINLESS STEEL 304L OR STAINLESS STEEL 316L
 - UNLESS OTHERWISE SPECIFIED, BLOCK TOLERANCES DO NOT APPLY TO REFERENCE DIMENSIONS.
 - CLEANLINESS:
COOLANT LINES ARE INTERNALLY CLEAN WHEN ASSEMBLED AND ARE FREE FROM ANY CONTAMINATION, VISIBLE PARTICLES, FIBERS AND DEBRIS.

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TOLERANCES (UNLESS OTHERWISE NOTED)
DECIMALS .XX ±.030 .XXX ±.010
ANGLES ±1/2° .X ±.76 .XX ±.254
REMOVE ALL BURRS AND SHARP EDGES TO .010 R MAX.
MACHINED SURFACES SHALL HAVE A 125 MICRO-FINISH OR BETTER.
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES.
DIMENSIONS DESIGNATED [XX] ARE IN MILLIMETERS.
DRAWING SCALE: 0.375 SHOWN FOR REFERENCE ONLY DO NOT SCALE DRAWING

NEXT ASSY 908M1403-01
E-JOB 3455
MANUFACTURING DRAWING 908M1406-01
CUSTOMER REFERENCE
ORIGINAL RELEASE DATE 17-APR-2015
THIS DRAWING CONFORMS TO ASME Y14.5-2009 AND SHAW DEVELOPMENT ES-2030
THIRD ANGLE PROJECTION

Shaw Development
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Bonita Springs, FL 34135
WWW.SHAWDEV.COM
TITLE HEATER ASSEMBLY
CODE IDENT NO. 59647
SIZE C
DRAWING NO. 908-1406-01
REVISION B
DRAWING STATE Released
SHEET 1 OF 1

DRAWING NO.

908-1406-01

REV. B