

PIERCE MANUFACTURING INC.



# SERVICE BULLETIN

**TO:** Service Bulletin Distribution  
**FROM:** Pierce Customer Service  
**DATE:** 1-29-08 UPDATED 1/6/2016  
**RE:** SERVICE TOPIC# 256B Modine Radiator Service

**Modine radiator part number #1225672 installed in the Dash, Lance and Enforcer Chassis. Pages 1 and 2.**

**Modine radiator part 1760197 installed in Arrow XT Chassis. Page 3.**

Pierce recommends the following procedure when troubleshooting a potential radiator tank leak or loss of anti-freeze:

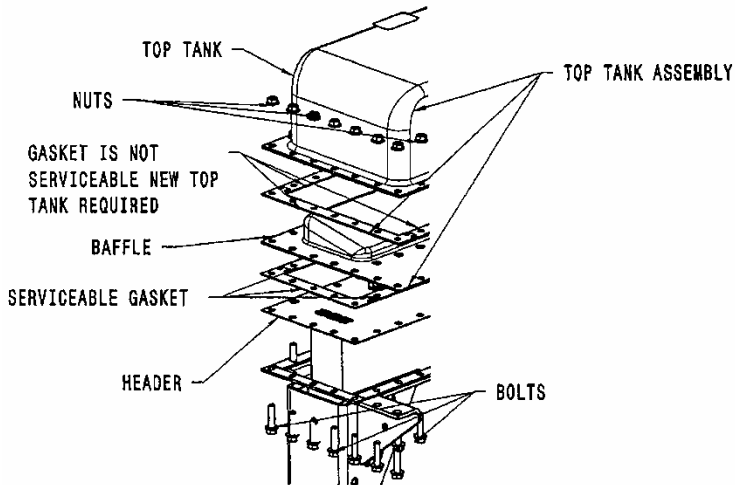
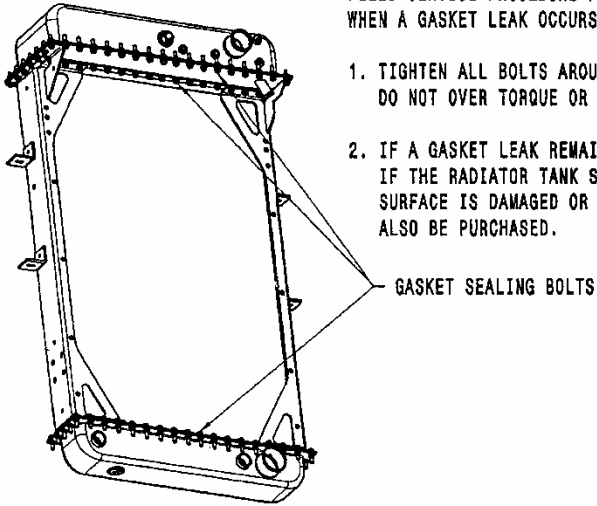
- Pressure test the radiator to determine the location of the leak. Do not exceed the pressure rating identified on the radiator cap
- If the sight glass is found to be leaking, remove it and disassemble the three-piece assembly. Check the condition of the o-ring seal on the glass. If the o-ring is flattened out, replace it with a locally purchased viton o-ring or order a new sight glass assembly from Pierce. (Part # 1471647)
- If no leak can be found, check the radiator cap to make sure it relieves at the proper pressure as listed on the cap. If it relieves too early, antifreeze will be lost through the over flow tube. If the cap does not relieve properly, excess pressure will build and may cause leaks. Replace cap if needed.
- If a leak is found at the upper or lower tank, follow the Modine repair procedure included with this bulletin.

Parts list (as required) **DASH ,LANCE, ENFORCER ONLY**

2 ea	1265557	Lower tank gasket
2 ea	1265556	Lower tank gasket
2 ea	1265557	Upper tank serviceable gaskets
2ea	1265555	Upper tank serviceable gaskets
1ea	1749357	Upper tank and baffle assembly

FIELD SERVICE PROCEDURE FOR TIGHTENING BOLTS ON THE 1225672 BOLTED RADIATOR WHEN A GASKET LEAK OCCURS.

1. TIGHTEN ALL BOLTS AROUND LEAK AREA TO 350 in-lbs. NO SPECIAL PATTERN IS REQUIRED, DO NOT OVER TORQUE OR DAMAGE TO THE GASKET WILL OCCUR.
2. IF A GASKET LEAK REMAINS, AT SERVICEABLE GASKET AREA YOU MUST PURCHASE NEW GASKETS. IF THE RADIATOR TANK SEALING SURFACE IS DAMAGED OR LEAK REMAINS AT THE NON SERVICEABLE GASKET, A SERVICE TANK ASSEMBLY MUST ALSO BE PURCHASED.



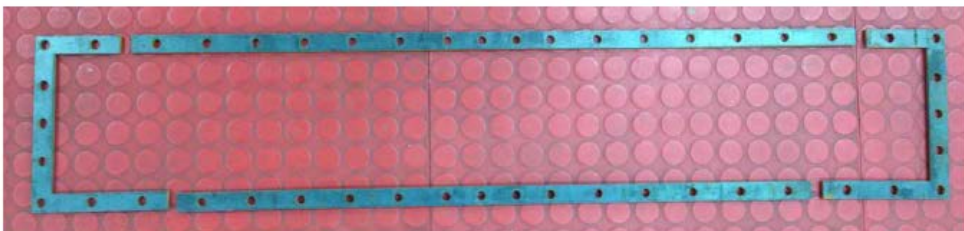
Please proceed with the following steps toward addressing any gasket joint leakage on the Arrow XT radiator #1760197.

1. When the radiator is determined to be leaking, and the radiator is not updated with the latest C-shape bolting bars (Image B), install service kit 2896576 (Kit, Gasket Service, Radiator) with C-shaped bolting bars and one piece gasket (Image B), torque the new bolts to 300 in-lbs.
2. If step one does not stop the leakage, remove and replace the radiator assembly with service part number 2896564 (Radiator,MOD,CU-BR,14-PLT CLR). This radiator includes the C-shaped bolting bars and one piece gasket installed directly from the supplier.

Image A: Without C-Shaped Bolting Bars



Image B: With C-Shaped Bolting Bars



C-Shaped Bars and Staggered Seams