

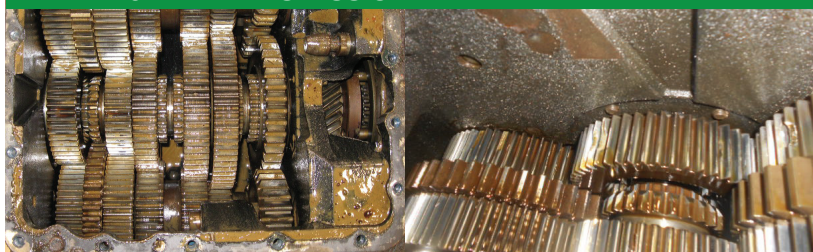
External Heat Exchanger Test Procedure

The following test procedure will confirm an internal heat exchanger leak and must be run before filing a warranty claim. If the heat exchanger passes bench testing, further vehicle troubleshooting will be needed to determine the cause of engine coolant loss and the exchanger can be mounted back on the transmission.

LEAKING HEAT EXCHANGER SYMPTOMS:

- Coolant loss/low radiator reservoir
- Engine coolant in transmission, lube level above fill plug
- Transmission internal component corrosion

CONTAMINATION CAUSED BY ENGINE COOLANT ENTERING THE TRANSMISSION:



TESTING PROCEDURE:

- Step 1: Cap one lube port and install an adapter to the other port to allow shop air connection. Lube port size: 7/8"-14 37° JIC
- Step 2: Place balloons or latex gloves over both coolant ports.
- Step 3: Apply shop air to the exchanger, 90-120 psi. An internal leak will be confirmed if the balloons inflate.

STEP 1 AND 2:



STEP 3:



Source: Eaton/Roadranger Service Bulletin TMIB0320 EN-US

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