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Coding Information

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Title: EGR Cooler Leak Test Tool Leaking

Applies To: 2010 and 2013 Emissions MaxxForce DT, 9 and 10

DESCRIPTION

The 2010 and newer DT, 9, and 10 EGR cooler leak testing tool can provide false positives if the fittings are not maintained and leaking. This article addresses the areas of concern and how to ensure robustness of the testing results.

REPAIR PROCEDURE

Steps:

1. Always clean the exhaust inlet face with a brush, emory cloth or sand paper. Any soot or corrosion build-up can cause the tool plug to leak.



Figure 1: EGR Cooler inlet with build-up

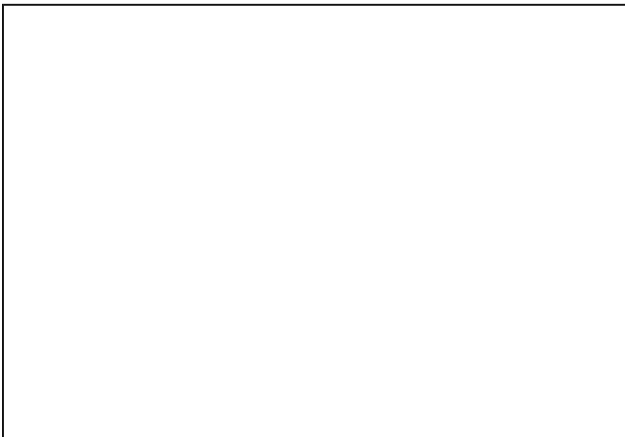


Figure 2: EGR Cooler inlet leak test

A soap test reveals that the **uncleaned** flange cannot be sealed completely with the leak test plate.

The same procedure should be followed for the AFI coolant lines--any corrosion should be cleaned before threading the plugs in.

2. When testing the cooler with the leak testing tool, use soapy water to check for leaks at the joints. If any are found; remove, use thread tape/sealant and retighten the respective fittings. If the leaks are non-repairable, please contact the Navistar Tool Group for assistance.



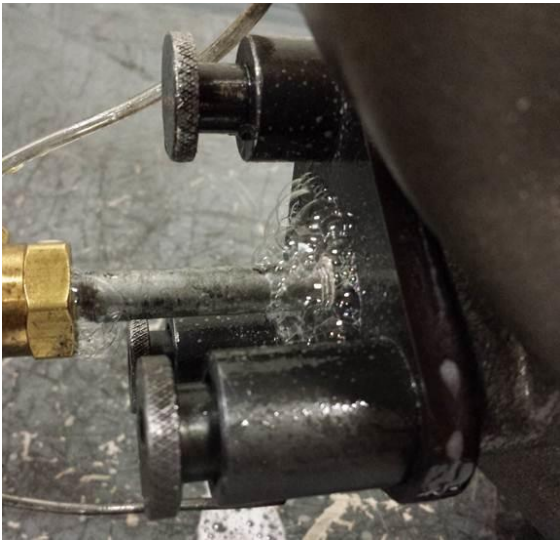


Figure 3: Air fitting leaking at test plate



Figure 4: Air fitting leaking at "T" connector

All leaks will (falsely) appear to be a failed cooler during leak decay testing, so it's important to periodically ensure your tool is not defective.

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