



PERSONAL SERVICE LAB

MASTERS OF CARE

Grecale - Radiator Leak Diagnostic Procedure

DATE: NOVEMBER 19, 2025

This bulletin provides instructions for checking engine radiator leaks. The purpose of this procedure is to confirm leaks with clear evidence, prevent unnecessary component replacement, and ensure accurate diagnosis.

SECTION: 01.70-1 – COOLING: RADIATORS AND AIR CONDUCTORS.

MODELS INVOLVED: M182 Grecale (All MY)

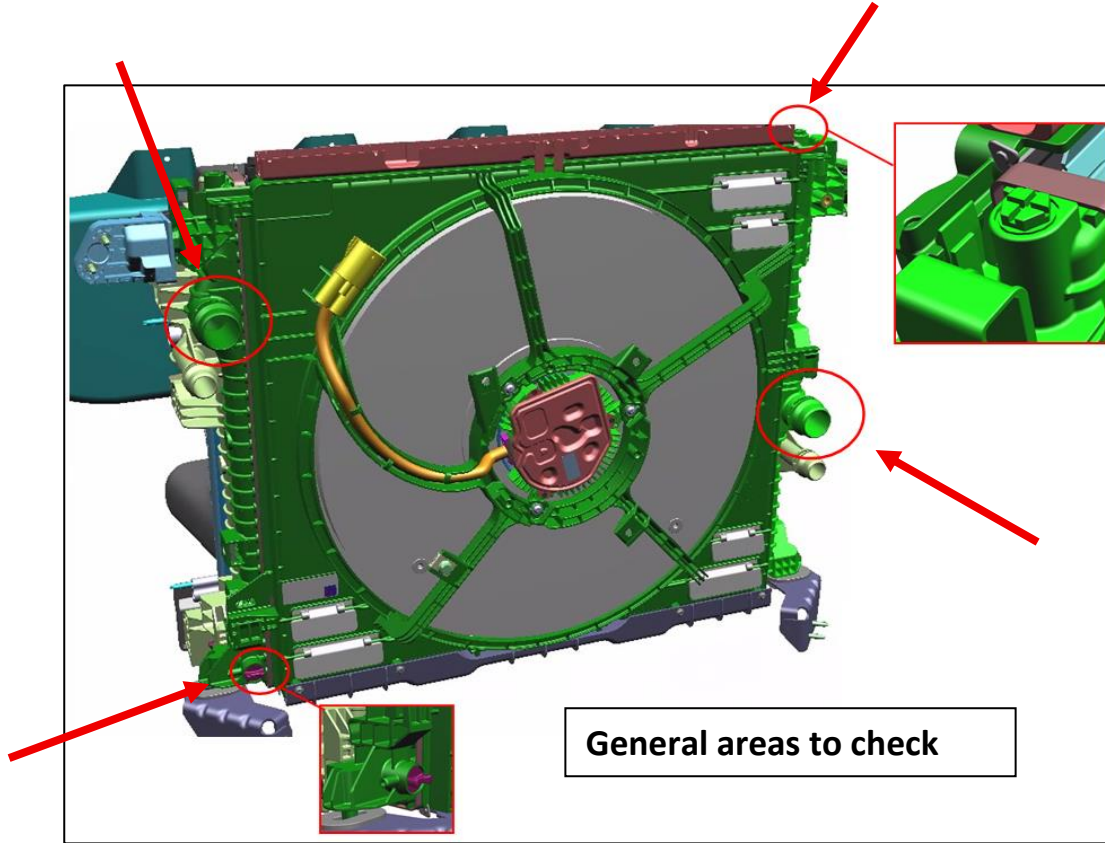
ISSUE DESCRIPTION: Coolant traces under the vehicle, in the engine compartment.

REPAIR PROCEDURE: If there is a suspicion that the leak originates from the engine radiator, follow these steps:

1. With the engine cold, remove the expansion tank cap and store it safely.
2. Install the tool specified in procedure #00.20.021-53 for cooling system refill on the expansion tank as described in that procedure.



3. Pressurize the cooling system to 150–200 kPa.
4. Verify system integrity after pressure stabilizes. No pressure drop is acceptable within 30 seconds.
5. If the system is tight, release pressure, remove the tool, and reinstall the expansion tank cap.
6. If pressure decreases, inspect the radiator for fresh coolant drops indicating a leak.
7. If no active leak is found but previous coolant marks are visible, check adjacent connections for the source.



General areas to check

Complete the warranty claim as follows:

Description	Code
Defective Code	59-LEAKS / BAD SEALING
Defective Component	1.70.001 (WATER COOLING RADIATOR)
Operation Code	
<ul style="list-style-type: none"> Leakage Check 	1.70.001.A
<ul style="list-style-type: none"> Lower Engine Guard (if necessary for inspection of lower radiator hose) 	9.14.076.0 (for MHEV), 9.14.001.0 (for V6 and BEV)
<ul style="list-style-type: none"> Water Cooling Radiator (only if part is confirmed defective) 	1.70.001.X (Replacement)

Any warranty repairs must include clear evidence of the above steps, attaching the relevant documentation either to the associated Blue on Line case (if required by current Blue on Line Policies) or to the warranty claim, in accordance with the guidelines outlined in bulletin MAS004908.

We remain available for any further clarifications.

Best regards

TECHNICAL SERVICE OPERATIONS