



TECHNICAL SERVICE BULLETIN

Classification: EM24-002	Reference: NTB25-003	Date: January 9, 2025
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CHARGE AIR COOLER SYSTEMS SERVICE INFORMATION

APPLIED VEHICLES: 2021-2025 Rogue (T33)
APPLIED ENGINES: KR15DDT

SERVICE INFORMATION

If a body shop or dealer performs a repair affecting the charge air cooler (Figure 1), please be aware of the following information regarding the charge air cooler coolant refill procedure.

IMPORTANT: If the charge air cooler coolant reservoir (Figure 2 on page 2) is not filled properly per details in this bulletin, spark plug and/or engine damage may occur.

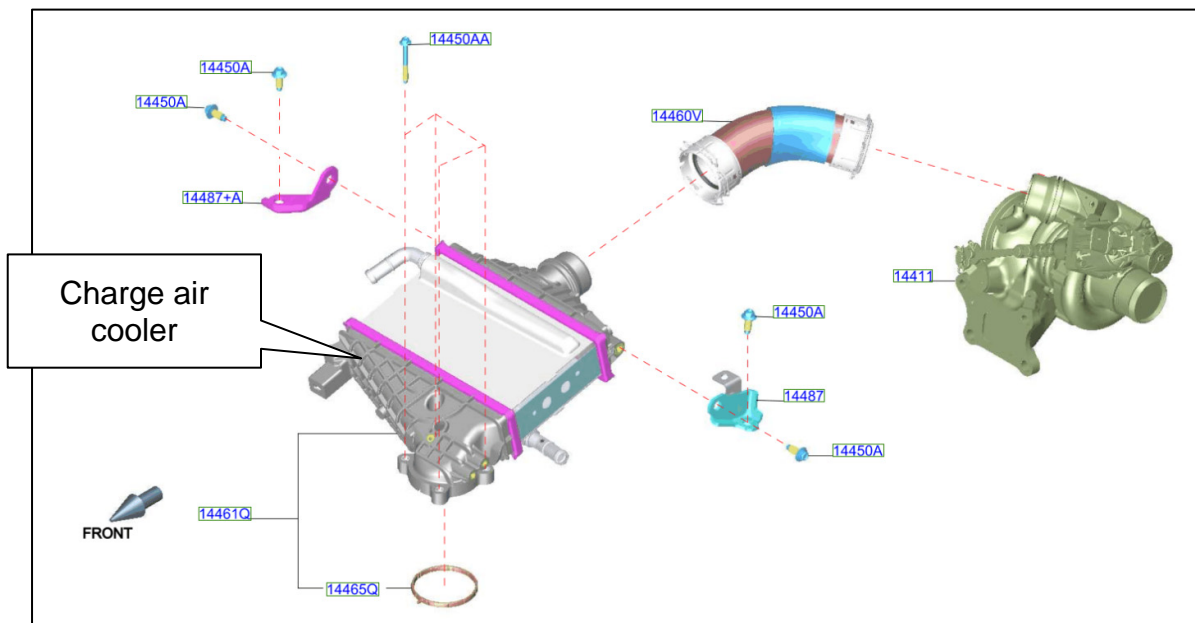


Figure 1

Bulletins are intended for use by qualified technicians, not 'do-it-yourselfers'. Qualified technicians are properly trained individuals who have the equipment, tools, safety instruction, and know-how to do a job properly and safely. **NOTE:** If you believe that a described condition may apply to a particular vehicle, DO NOT assume that it does. See your Nissan dealer to determine if this applies to your vehicle.

- The engine coolant system and charge air cooler coolant system are two (2) separate systems, and the coolant reservoirs are separate for each (Figure 2).

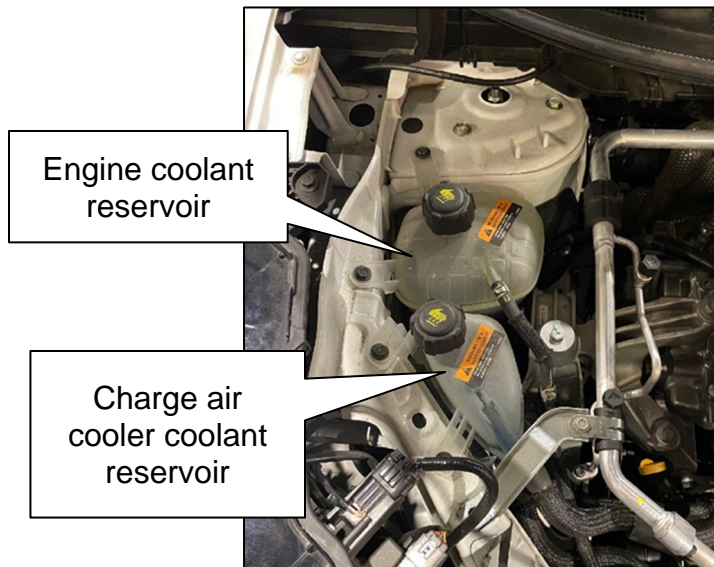


Figure 2

- When refilling the charge air cooler coolant reservoir after a repair or during diagnosis, use the correct refill procedure.
 - Refer to the ESM: **ENGINE > ENGINE COOLING SYSTEM > KR15DDT > PERIODIC MAINTENANCE > SUB RADIATOR COOLANT > Refilling**
- First, check for any engine related DTCs other than the following DTCs and diagnose those DTCs before proceeding.
 - P14A4 - CHARGE AIR COOLER COOLING ELECTRIC W/P
 - P14A5 - CHARGE AIR COOLER COOLANT PUMP
 - P14A6 - CHARGE AIR COOLER COOLING ELECTRIC W/P
 - P14A7 - CHARGE AIR COOLER COOLING ELECTRIC W/P
 - P14A8 - CHARGE AIR COOLER COOLING ELECTRIC W/P
 - P14A9 - CHARGE AIR COOLER COOLING ELECTRIC W/P
 - P14AA - CHARGE AIR COOLER COOLING ELECTRIC W/P
 - P14AC - CHARGE AIR COOLER COOLING ELECTRIC W/P
- If any of the DTCs listed above are stored in Consult, perform the DTC Diagnosis Procedure in the ESM.

HINT: For any of the DTCs listed above, there may be an issue with the charge air cooler coolant system such as an air pocket, coolant leak, or water pump concern.

- Refer to ESM: **ENGINE > ENGINE CONTROL SYSTEM > KR15DDT > DTC/CIRCUIT DIAGNOSIS > P14A4 / P14A5 / P14A6 / P14A7 / P14A8 / P14A9 / P14AA / P14AC CHARGE AIR COOLER COOLING ELECTRIC WATER PUMP > DTC Diagnosis Procedure**

- For the following DTCs, follow the complete ESM refilling procedure to check the charge air cooler water pump duty cycle.

IMPORTANT: Before performing any diagnosis for the following DTCs, verify the engine is at operating temperature and the intake air temperature is greater than 40°C (104°F).

- P14A9 - CHARGE AIR COOLER COOLING ELECTRIC W/P
- P14AA - CHARGE AIR COOLER COOLING ELECTRIC W/P
- P14AC - CHARGE AIR COOLER COOLING ELECTRIC W/P

➤ Refer to the ESM: **ENGINE > ENGINE COOLING SYSTEM > KR15DDT > PERIODIC MAINTENANCE > SUB RADIATOR COOLANT > Refilling**

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
January 9, 2025	NTB25-003	Original bulletin published