

Technical Service Bulletin (TSB)

Various Models - Auxiliary Water Pump Blocked - MIL Light On - Service Solution

REFERENCE:	TSB: 07-001-25 GROUP: 07 - Cooling	Date:	April 12, 2025	REVISION:	—
VEHICLES AFFECTED:	2022 - 2024 (BV) Jeep Renegade 2022 - 2024 (MV) Jeep Compass This bulletin applies to vehicles built on before May 16, 2024 (MDH 0516XX) equipped with a 1.5L I4 DOHC Turbo MHEV Engine (Sales Code EYP).			MARKET APPLICABILITY: ☐ NA☒ MEA ☐ SA☐ IAP ☒ EE☐ CH	
CUSTOMER SYMPTOM:	Customers must experience a Malfunction Indicator Lamp (MIL) illumination and the vehicle must exhibit/set the following Diagnostic Trouble Code (DTC): P2601-00 - Electric Coolant Pump Control Circuit Performance/Stuck Off.				
CAUSE:	Auxiliary coolant pump blockage				

REPAIR SUMMARY:

This bulletin involves replacing the auxiliary coolant pump and the pump inlet pipe.

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
07-52-01-91	Auxiliary Coolant Pump and Pump Inlet Pipe - Replace (0 - Introduction)	7 - Cooling	1.1 Hrs.
Failure Code	ZZ	Service Action	

SPARE PARTS:

Qty	Part No.	Description	Notes
1	68675214AA - NA 52245191 - EMEA	Hose, Heater	Pump Inlet Pipe
1	68523309AA - NA 52180304 - EMEA	Pump, Auxiliary Coolant	
AR	68163848AB	Mopar Antifreeze/Coolant 10 Year/150,000 Mile Formula OAT	

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in DealerCONNECT/Service Library, verify all related systems are functioning as designed. If DTCs or symptom conditions, other than the ones listed above are present, record the issues on the repair order and repair as necessary before proceeding further with this bulletin.

If the customer describes any of the symptoms listed above in the customer symptom section, perform the Repair Procedure.

SPECIAL TOOLS/EQUIPMENT:

Description	Ref. No.	Notes
wiTECH or equivalent	-	-

REPAIR PROCEDURE:

- Using wiTECH, check for DTCs.
- Is DTC P2601-00 - Electric Coolant Pump Control Circuit Performance/Stuck Off set in the Hybrid Control Processor (HCP)?
 - YES>>> Proceed to [Step 3](#).
 - NO>>> This bulletin does not apply.
- Perform the following preliminary P2601-00 - Electric Coolant Pump Control Circuit Performance/Stuck Off diagnostics:
 - Check that the high-temperature circuit coolant is at the correct level and of the indicated type.
 - Check for leaks, twisting and holes in the high temperature coolant circuit piping.
 - Check the correct operation of the power supply fuse of the auxiliary water pump supplementary heater pump.
 - Disconnect the connector of the auxiliary water pump supplementary heater pump and the connector for the HCP.
 - Check the condition of the wire harness connectors and confirm that the connector terminals are not damaged, deformed, corroded, bent or disconnected.
 - Check for an open circuit in the auxiliary water pump supplementary heater pump supply line. Check for presence of open circuit in the wiring of the LIN line between the auxiliary water pump supplementary heater pump and the HCP.
 - Check for presence of a short circuit the auxiliary water pump supplementary heater pump power supply line wiring. Check for presence of a short circuit in the wiring of the LIN line between the auxiliary water pump supplementary heater pump and the HCP.
 - For further information, refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info> 28 - DTC-Based Diagnostics / Module, Hybrid Control Processor (HCP) / Diagnosis and Testing / P2601-00 - Electric Coolant Pump Control Circuit Performance/Stuck Off.
- Did the DTC diagnostics indicate no trouble found?
 - YES>>> Proceed to [Step 5](#).
 - NO>>> Perform the repair indicated in the DTC diagnostics then proceed to [Step 7](#).
- Replace the auxiliary coolant pump. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info> 1088C16 Additional Water Pump R.R.
- Replace the pump inlet pipe. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info> 1088H93 Coolant Sleeve From Supplementary Coolant Pump To Thermostat -R.R.

7. Clear DTCs.

POLICY:

Reimbursable within the provisions of the warranty.

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