

**Technical Service Bulletin (TSB)**  
**Broken Internal Coolant Valve Gear**

<b>REFERENCE:</b>	<b>TSB:</b> 07-005-24 <b>GROUP:</b> 07 - Cooling	<b>Date:</b>	May 14, 2024	<b>REVISION:</b>	07-009-23
<b>VEHICLES AFFECTED:</b>	<b>2022 - 2023 (DS) RAM 1500 Pickup</b> This bulletin applies to vehicles built on and after August 01, 2022 (MDH 0801XX) and on and before January 13, 2023 (MDH 0113XX) equipped with a 3.6L V6 24V VVT Engine (Sales Code ERB).	<b>MARKET APPLICABILITY:</b>			
		<input type="checkbox"/> **NA** <input type="checkbox"/> MEA <input checked="" type="checkbox"/> SA <input type="checkbox"/> IAP <input type="checkbox"/> EE <input type="checkbox"/> CH			
<b>CUSTOMER SYMPTOM:</b>	<b>**Customers must experience a Malfunction Indicator Lamp (MIL) illumination and the vehicle must exhibit/set one or more of the following Diagnostic Trouble Codes (DTCs):**</b> <ul style="list-style-type: none"> <li>● P26A3 - Engine Coolant Bypass Valve A Range-Performance.</li> <li>● P26A6 - Engine Coolant Bypass Valve Position Sensor Circuit Low.</li> <li>● P2681 - Engine Coolant Bypass Valve Control Circuit Open.</li> </ul>				
<b>CAUSE:</b>	Cracked gear				

This bulletin supersedes Technical Service Bulletin (TSB) 07-009-23, date of issue August 05, 2023, which should be removed from your files. All revisions are highlighted with **\*\*asterisks\*\*** and includes removing a market, updating the Customer Symptom statement and adding a NA RSU cancellation note.

This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 23-236, date of issue August 05, 2023. All applicable RSU VINs have been loaded. To verify this RSU service action is applicable to the vehicle, use VIP or perform a VIN search in DealerCONNECT/Service Library. All repairs are reimbursable within the provisions of warranty.

**NOTE: \*\*This proactive service action no longer applies for North America. Please follow published service procedures in Service Library to diagnose and repair the vehicle. \*\***

**REPAIR SUMMARY:**

This bulletin involves replacing the 3-way coolant valve.

**CLAIMS DATA:**

Labor Operation No:	Labor Description	Skill Category	Labor Time
07-46-01-95	Valve, Coolant - Replace (1 - Semi-Skilled)	7 - Cooling	0.7 Hrs.
Failure Code	ZZ	Service Action	

## SPARE PARTS:

Qty	Part No.	Description	Notes
1	52014892AC	Valve, Coolant 3-Way	
(AR)	68163849AB	Engine Coolant	

## 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 one listed are present, record the issues on the repair order and repair as necessary before proceeding further with this bulletin.

If a customer's VIN is listed in VIP or your RSU VIN list, perform the Repair Procedure. (This RSU only applies to RSU VIN list vehicles).

## SPECIAL TOOLS/EQUIPMENT:

Description	Ref. No.	Notes
wiTECH or Equivalent	–	–

## REPAIR PROCEDURE:

1. Replace the 3-way coolant valve. Refer to the detailed service procedures listed in DealerCONNECT>Service Library under: 21 - Transmission and Transfer Case / Automatic - 8HP50/850RE / Valve, 3-Way Coolant / Removal and Installation.
2. Clear all DTCs that have been set.

## POLICY:

Reimbursable within the provisions of the warranty.

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