

Technical Service Bulletin (TSB)

Coolant Valve Clogged

REFERENCE:	TSB: 07-008-23 GROUP 07 - Cooling	Date:	June 21, 2023	REVISION:	—
VEHICLES AFFECTED:	2022 - 2023 (RU) Chrysler Pacifica This bulletin applies to vehicles built on and after November 3, 2022 (MDH 1103XX) and on and before February 10, 2023 (MDH 0210XX) equipped with the 3.6L V6 PHEV Hybrid Engine (Sales Code EH3).			MARKET APPLICABILITY: ☒ NA☐ MEA ☐ SA☐ IAP ☐ EE☐ CH	
CUSTOMER SYMPTOM:	The customer may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find one or more of the following Diagnostic Trouble Codes (DTCs): - P0E80-00 - Coolant Bypass Valve B Control Stuck Closed. - P0E7F-00 - Coolant Bypass Valve B Control Stuck Open. Customer may also experience the following: - Electric mode may be disabled but vehicle can still be driven in gas mode.				
CAUSE:	Possible debris in cylinder head water jackets after machining process accumulating at the coolant valve.				

This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 23-188, date of issue June 21, 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. This RSU will expire 18 months after the date of issue.

REPAIR SUMMARY:

This bulletin involves possibly replacing the Three Way Coolant Valve.

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
07-46-01-92	Three Way Coolant Valve - Inspect (1 - Semi-Skilled)	7 - Cooling	0.5 Hrs.
07-46-01-93	Three Way Coolant Valve - Inspect and Replace (1 - Semi-Skilled)	7 - Cooling	1.4 Hrs.
Failure code	ZZ	Service Action	

SPARE PARTS:

Qty	Part No.	Description	Notes
1 (AR)	68237835AB	Three-Way Coolant Valve	
(AR)	68163848AA	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. If any vehicle not on the VIN list exhibits 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:

1. Are DTCs P0E80-00 and/or P0E7F-00 present?
 - YES>>> Proceed to [Step 5](#).
 - NO>>> Proceed to [Step 2](#).
2. Allow vehicle to idle for 10 minutes in gas mode (open hood to force gas mode).
3. Close hood and ensure the vehicle is in battery-only mode for five minutes with HVAC heat on and blower speed set to less than 50%.
4. After the 15 minutes cycle, are DTCs P0E80-00 and/or P0E7F-00 present?
 - YES>>> Proceed to [Step 5](#).
 - NO>>> This bulletin is complete. Use Inspect LOP (07-46-01-92) to close this active RSU.
5. Replace the Three-Way Coolant Valve. Refer to the detailed service procedures listed in DealerCONNECT>Service Library under: 07 - Cooling / Engine / Valve, High Temperature Shut Off / Removal and Installation.
6. Refill coolant and inspect for leaks.
7. Clear all DTCs that have been set in any module.

POLICY:

Reimbursable within the provisions of the warranty.

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