

Technical Service Bulletin (TSB)

Transmission Auxiliary Oil Pump Failure

REFERENCE:	TSB: 21-038-25 GROUP: 21 - Transmission and Transfer Case	Date:	August 16, 2025	REVISION:	—
VEHICLES AFFECTED:	2021 - 2024 (JL) Jeep Wrangler 2022 - 2025 (WL) Jeep Grand Cherokee/Grand Cherokee L This bulletin applies: - JL vehicles built on or before March 19, 2025 (MDH 0319XX) equipped with a 2.0L I4 DOHC DI Turbo PHEV Engine (Sales Code ECX). - WL vehicles built on or before April 08, 2025 (MDH 0408XX) equipped with a 2.0L I4 DOHC DI Turbo PHEV Engine (Sales Code ECX).			MARKET APPLICABILITY: ☒ NA☐ MEA ☐ SA☐ IAP ☐ EE☐ CH NOTE: This bulletin applies to North America markets.	
CUSTOMER SYMPTOM:	Customers must experience a Malfunction Indicator Lamp (MIL) illumination and the vehicle must exhibit/set the following Diagnostic Trouble Code (DTC): - P0B0D-00 - Electric/Auxiliary Transmission Fluid Pump Motor Control Module. Customers may also comment on the following: - Vehicle is in limp mode.				
CAUSE:	Electric auxiliary transmission oil pump failure				

This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 25-170, date of issue August 16, 2025.

REPAIR SUMMARY:

This bulletin involves replacing the transmission oil pump.

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
21-92-01-90	Pump, In-Pan Electric - Replace WL (3 - Highly Skilled)	2 - Automatic Transmission	2.4 Hrs.
21-92-01-91	Pump, In-Pan Electric - Replace JL (3 - Highly Skilled)	2 - Automatic Transmission	2.0 Hrs.
Failure Code	ZZ	Service Action	

SPARE PARTS:

Qty	Part No.	Description	Notes
1	68597449AA	Pump Kit, Transmission Oil	
7	68218925AB	Fluid, Automatic Transmission, Quart	

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:

NOTE: This is not a proactive repair. This Repair Procedure is to only be performed under this RSU if the vehicle exhibits the symptom/conditions listed in this document.

1. Perform the "P0B0D-00 - Electric/Auxiliary Transmission Fluid Pump Motor Control Module" diagnostic test. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info> 28 - DTC-Based Diagnostics / Module, Transmission Control (TCM), 8P75PH / Diagnosis and Testing.
2. Does the DTC diagnostic test lead to transmission oil pump replacement?
 - YES>>> Proceed to [Step 3](#).
 - No>>> This bulletin does not apply. Perform the recommended diagnostic test repair.
3. Replace the transmission oil pump. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info> 21 - Transmission and Transfer Case / Automatic - 8P75PH / Pump, Electric Transmission Oil / Removal and Installation.
4. Clear DTCs.

POLICY:

Reimbursable within the provisions of the warranty.

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