STELLANTIS PARTS & SERVICES

Technical Service Bulletin (TSB)

PHEV Engine Replacement XC2 Warranty Extension

REFERENCE:	**TSB:** 09-009-26 REV. A **GROUP:** 09 - Engine	**Date:**	November 7, 2026	**REVISION:**	09-009-26

VEHICLES AFFECTED:	**2024 - 2025 (JL) Jeep Wrangler** **2023 - 2025 (WL) Jeep Grand Cherokee / Grand Cherokee L** **This bulletin applies to vehicles equipped with a 2.0L I4 DOHC DI Turbo PHEV Engine (Sales Code ECX) and:** • **JL vehicles built on or after June 07, 2023 (MDH 0607XX) and built on or before May 30, 2025 (MDH 0530XX).** • **WL vehicles built on or after July 19, 2023 (MDH 0719XX) and built on or before April 10, 2025 (MDH 0410XX).**	**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 one or more of the following Diagnostic Trouble Codes (DTCs):** • P2336 - Cylinder 1 Above Knock/Combustion Vibration Sensor Threshold. • P2337 - Cylinder 2 Above Knock/Combustion Vibration Sensor Threshold. • P2338 - Cylinder 3 Above Knock/Combustion Vibration Sensor Threshold. • P2339 - Cylinder 4 Above Knock/Combustion Vibration Sensor Threshold. **The customer may also describe the following:** • A knocking noise from the engine compartment.	
CAUSE:	**Machining debris and sand from casting**	

This bulletin supersedes Technical Service Bulletin (TSB) 09-009-26, date of issue May 13, 2026, which should be removed from your files. All revisions are highlighted with **asterisks and include updated/new LOPs, Spare Parts Table, Special Tools table Repair Summary and a Repair Procedure step. Changes not highlighted by **asterisks** include updates to Market Applicability.**

REPAIR SUMMARY:

This bulletin involves replacing the **long-block engine**.

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
**09-01-70-9J	Long Block, 2.0L I4 DOHC DI Turbo PHEV Engine - **(JL Models Only)** (3 - Highly Skilled)	1 - Engine Repair and Performance	13.7 Hrs.
09-01-70-9K	Long Block, 2.0L I4 DOHC DI Turbo PHEV Engine - **(WL Model Only)** (3 - Highly Skilled)	1 - Engine Repair and Performance	15.2 Hrs.**
Failure Code	ZZ	Service Action	

**SPARE PARTS:

Qty	Part No.	Description	Notes
1 (AR)	CSMS78C2AA	Block, Long	WL
1 (AR)	CSMS78C6AA	Block, Long	JL
1 (AR)	CSMS78C4AA	Gasket Kit, Engine	WL
1 (AR)	CSMS78C7AA	Gasket Kit, Engine	JL
1 (AR)	CSMS78C3AA	Gasket Kit, Engine	WL/JL
1 Gal. (AR)	68163848AB	Antifreeze/Coolant Concentrate	MS-90032
4 Qts.(AR)	68523988AA	Mopar SAE 0w-30 Engine Oil	MS-13340
0.05 Lbs. (AR)	82300101AC	R-134A A/C Refrigerant	MS-50034
24 Oz. (AR)	04318080AD	Brake fluid DOT 3	MS-4574**

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/conditions listed above in the customer symptom section, perform the Repair Procedure.

**SPECIAL TOOLS/EQUIPMENT:

Description	Ref. No.	Notes
wiTECH or Equivalent**	-	-

REPAIR PROCEDURE:

1. Replace the engine. Refer to the detailed service procedures available in DealerCONNECT/Service Library under: Service Info> 09 - Engine, 2.0L / Engine Assembly / Removal and Installation.
2. Clear all DTCs that may have been set.

POLICY:

Warranty Extension to extend the current warranty period of unlimited years / unlimited miles/kilometers from vehicles in-service date. See Warranty Bulletins: U.S. D-26-11, Canada SAB 2026-13, PR/USVI ID-26-24, Enlarged Europe ID-26-25, China ID-26-26, APAC ID-26-27, Middle East & Africa ID-26-28 and South America ID-26-29 for details associated with the Warranty Extension.

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