

REFERENCE:	TSB: 18-046-26 GROUP: 18 - Vehicle Performance	Date:	April 16, 2026	REVISION:	18-041-24 18-090-25
VEHICLES AFFECTED:	2023 (JL) Jeep Wrangler This bulletin applies to vehicles equipped with a 3.6L V6 24V VVT Engine UPG 1 W/ESS (Sales Code ERC).			MARKET APPLICABILITY: ☐ NA☐ MEA ☐ SA☐ CH ☐ EE☐ IAP NOTE: This bulletin applies to the **Enlarged Europe, China, India & Asia Pacific, Middle East & Africa, South America** and North America markets.	
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): • **P0300 - Multiple Cylinder Misfire (Active or Stored status set during cold start catalyst heating). • P0301 - Cylinder 1 Misfire (Active or Stored status set during cold start catalyst heating). • P0302 - Cylinder 2 Misfire (Active or Stored status set during cold start catalyst heating). • P0303 - Cylinder 3 Misfire (Active or Stored status set during cold start catalyst heating). • P0304 - Cylinder 4 Misfire (Active or Stored status set during cold start catalyst heating). • P0305-00 - Cylinder 5 Misfire (Active or Stored status set during cold start catalyst heating). • P0306-00 - Cylinder 6 Misfire (Active or Stored status set during cold start catalyst heating).** • P08A6 - Gear Lever Position Sensor System - Multiple Sensor Correlation. • P152F - Engine Hood Switch 2 / Engine Hood Switch 1 Correlation. • P1129 - Closed Loop Fueling Not Achieved - Bank 2 Upstream. • P0152-02 - O2 Sensor 2/1 Circuit High. • P0158-02 - O2 Sensor 2/2 Circuit High. • P2504 - Charging System Output High. • P0563 - Battery/System Voltage High. Customers may also comment on one or more of the following: • **The vehicle has a rough idle. • The engine has a miss. • Noisy valvetrain. • "Service Transmission" message in the Instrument Panel Cluster (IPC) due to clutch slip detection with the transfer case in neutral. NOTE: Some customers may experience wheel spin or traction loss. In these situations, the Powertrain Control Module (PCM) may interpret the event as excessive clutch slip. To prevent potential clutch damage, a message may be displayed in the Instrument Panel Cluster (IPC).** • Clutch is overheating. • Clutch is slipping on engagement. • Inability to accelerate uphill.				

	• Vehicle does not start. • Vehicle is stuck in limp-home mode. • The engine runs rough. **The following software enhancement is also available: • Engine oil pump operation is commanded to high-pressure mode when engine oil is cold to improve valvetrain component durability.**
CAUSE:	PCM software

This bulletin supersedes Technical Service Bulletin (TSB) 18-041-24, date of issue May 03, 2024 and 18-090-25, date of issue October 03, 2025 which should be removed from your files. All revisions are highlighted with **asterisks**** and include additional DTCs, Customer Symptoms, Software Enhancement, Markets, new LOP and Repair Procedure Note. Revisions not highlighted with asterisks include removal of the transmission Sales Codes.**

REPAIR SUMMARY:

This bulletin involves reprogramming the PCM with the latest available software.

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
18-19-06-N1	Module, Powertrain Control (PCM) - Reprogram (0 - Introduction)	1 - Engine Repair and Performance	**0.3 Hrs.**
Failure Code	CC	Customer Concern	

The dealer must use failure code CC with this Technical Service Bulletin.

- If the customer's concern matches the SYMPTOM identified in the Technical Service Bulletin, failure code CC is to be used.
- When utilizing this failure code, the 3C's (customer's concern, cause and correction) must be provided for processing Technical Service Bulletin flash/reprogramming conditions.

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: Install a battery charger to ensure battery voltage does not drop below 13.2 volts. Do not allow the charging voltage to climb above 13.5 volts during the flash process.

NOTE: If this flash process is interrupted/aborted, the flash should be restarted.

1. Reprogram the PCM with the latest available software. If issues arise when flashing a module using the wiTECH Diagnostic Application, please submit a ticket to the Helpdesk. The helpdesk can be found within the Help menu.
2. Clear all DTCs that may have been set in any module due to reprogramming. The wiTECH application will automatically present all DTCs after the flash and allow them to be cleared.

NOTE: ****For SA market only, after applying this TSB, it is not necessary to send DID-I or DID-A.****

POLICY:

Reimbursable within the provisions of the warranty.

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