

Technical Service Bulletin (TSB)

Flash: Ignition System Control Module (ISCM) Updates

REFERENCE:	TSB: 08-054-25 GROUP: 08 - Electrical	Date:	February 27, 2025	REVISION:	—
VEHICLES AFFECTED:	2024 (WS) Jeep Wagoneer / Grand Wagoneer This bulletin applies to vehicles equipped with a 3.0L I6 Hurricane SO Twin Turbo ESS (Sales Code EFH).			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): • P2C30-00 - Ignition Coil Primary Circuit Fuse A. • P2C31-00 - Ignition Coil Primary Circuit Fuse B. • P0300-00 - Multiple Cylinder Misfire. • P0301-00 - Cylinder 1 Misfire Detected. • P0302-00 - Cylinder 2 Misfire Detected. • P0303-00 - Cylinder 3 Misfire Detected. • P0304-00 - Cylinder 4 Misfire Detected. • P0305-00 - Cylinder 5 Misfire Detected. • P0306-00 - Cylinder 6 Misfire Detected. • P0420-00 - Catalyst System Efficiency Below Threshold Bank 1. • P0430-00 - Catalyst System Efficiency Below Threshold Bank 2. Customers may also comment on the following: • Engine hesitates/misfires.				
CAUSE:	ISCM software				

REPAIR SUMMARY:

This bulletin involves inspecting and possibly reprogramming the ISCM and the Powertrain Control Module (PCM) with the latest available software.

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
18-19-33-94	Powertrain Control Module (PCM) and Ignition System Control Module (ISCM) - 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 Diagnostic Trouble Codes (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 ISCM 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.

POLICY:

Reimbursable within the provisions of the warranty.

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