

Technical Service Bulletin (TSB)

Flash: Anti-Lock Brake System (ABS) Module Updates

REFERENCE:	TSB: 08-099-23 GROUP 08 - Electrical	Date:	April 15, 2023	REVISION:	–
VEHICLES AFFECTED:	2021 - 2022 (JL) Jeep Wrangler This bulletin applies to vehicles equipped with a 2.0L I4 DOHC DI Turbo PHEV Engine (Sales Code ECX).			MARKET APPLICABILITY: ☒ NA ☐ SA ☐ EE ☐ MEA ☐ IAP ☐ CH	
CUSTOMER SYMPTOM:	Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find the following DTC has been set: - C2206-00 - Vehicle Configuration Mismatch. Customer may also experience one or more of the following: - Inconsistent or unexpected brake performance is perceived in slow speed situations. - Feels like the brake pedal needs to be pressed harder just before the vehicle comes to a stop (actual braking distance is not affected and driver is able to step further into the pedal for more brake pressure).				
CAUSE:	These symptom/conditons or DTC may arise after a customer changes the gearing in their vehicle past a 4.5:1 gear ratio. (This will allow up to a final drive ratio of 6:1 with this software flash). ABS software				

REPAIR SUMMARY:

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

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
18-19-10-AQ	Module, Anti-lock Brake System(ABS) - Reprogram (0 - Introduction)	6 - Electrical and Body Systems	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 ABS with the latest available software. Detailed instructions for flashing control modules using the wiTECH Diagnostic Application are available by selecting the application's "HELP" tab.
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.
3. Perform ABS initialization routine under "Misc Functions" after software update using wiTECH.
4. Perform brake pedal calibration under "Misc Functions" after software update using wiTECH.

POLICY:

Reimbursable within the provisions of the warranty.

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