



NUMBER: 08-019-21

GROUP: 08 - Electrical

DATE: January 30, 2021

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SUBJECT:

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

OVERVIEW:

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

MODELS:

2020 (JL) Jeep Wrangler

NOTE: This bulletin applies to vehicles within the following markets/countries: North America.

SYMPTOM/CONDITION:

Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find that one of the following Diagnostic Trouble Code (DTC) has been set:

- B1783-01 - Stop Lamp Control - General Electrical Failure.

The customer may also comment or note that the DTC set after the installation of a Mopar or an aftermarket trailer brake controller.

NOTE: The 12 volt back feed of the aftermarket trailer brake controller into the redundant connection between the Body Control Module (BCM) and the Anti Lock Brake Module (ABS) is causing a design intent diagnostic detection of the stop lamps.

Software enhancement includes:

- Removal of the warning lamp associated with this DTC so an aftermarket trailer brake controller can be used.

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 the symptom/condition listed above or if the technician finds the DTC, perform the Repair Procedure.

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.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-19-10-AH	Module, Anti-lock Brake System (ABS) - Reprogram (0 - Introduction)	6 - Electrical and Body Systems	0.2 Hrs.

NOTE: The expected completion time for the flash download portion of this procedure is approximately 3 minutes. Actual flash download times may be affected by vehicle connection and network capabilities.

FAILURE CODE:

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

- If the customer's concern matches the SYMPTOM/CONDITION identified in the 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 Service Bulletin flash/reprogramming conditions.

CC	Customer Concern
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