



NUMBER: 08-032-22 REV. A

GROUP: 08 - Electrical

DATE: March 31, 2022

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This bulletin supersedes Technical Service Bulletin (TSB) 08-032-22, date of issue February 19, 2022, which should be removed from your files. All revisions are highlighted with **asterisks**** and include additional markets.**

This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 22-030, date of issue February 19, 2022. All applicable Un-Sold RSU VINs have been loaded. To verify this RSU service action is applicable to the Un-Sold vehicle, use VIP or perform a VIN search in DealerCONNECT/Service Library. This RSU will expire 18 months after the date of issue.

SUBJECT:

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

OVERVIEW:

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

MODELS:

2021 (JL) Jeep Wrangler

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

NOTE: This bulletin applies to vehicles equipped with a 2.0L I4 DOHC DI Turbo PHEV Engine(Sales Code ECX).

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:

- C055F-00 - ABS Hydraulic Unit Performance.

NOTE: The software update will correct C055F-00 if it is a stored fault. If the fault is active, follow normal DTC diagnostics in Service Library.

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 a customer's VIN is listed in VIP or your RSU VIN list, perform the repair. If any vehicle not on the VIN list exhibits the symptom/condition or DTC, perform the repair.

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. Is the vehicle on the RSU VIN list?
 - YES>>> Proceed to [Step 2](#).
 - NO>>> Proceed to [Step 3](#).
2. Does the ABS control module have the latest software already installed?
 - YES>>> This bulletin has been completed. Use inspect LOP (18-19-10-AJ) to close the active RSU.
 - NO>>> Proceed to [Step 3](#).
3. 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.
4. 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.
5. Perform ABS initialization routine under "Misc Functions" after software update using wiTECH.
6. Using wiTECH, check if C055F-00 has reset and is a active DTC. Did C055F-00 reset?
 - YES>>> Follow normal C055F-00 DTC diagnostic in Service Library.
 - NO>>> This bulletin has been completed.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-19-10-AJ	Module, Anti-lock Brake System (ABS) - Inspect (0 - Introduction)	6 - Electrical and Body Systems	0.2 Hrs.
18-19-10-AK	Module, Anti-lock Brake System (ABS) - Inspect and Reprogram (0 - Introduction)	6 - Electrical and Body Systems	0.3 Hrs.

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

FAILURE CODE:

The dealer must choose which failure code to use depending on if this is a Rapid Service Update (RSU) or Technical Service Bulletin.

- The “RF” failure code is required for essential module flash/reprogramming and can only be used after confirmation that the VIN is included on the RSU.
- The failure code “RF” (Required Flash) can no longer be used on Technical Service Bulletin flashes. **The “RF” failure code must be used on an RSU.**
- If the customer’s concern matches the SYMPTOM/CONDITION identified in the Technical Service Bulletin, failure code CC is to be used. When utilizing this failure code, the 3C’s must be supplied.

RF	Required Flash - RSU
CC	Customer Concern