This bulletin supersedes Technical Service Bulletin (TSB) 08-050-22 REV. A, date of issue July 20, 2022, which should be removed from your files. All revisions are highlighted with **asterisks** and include converting to a Rapid Service Update (RSU), repair steps and LOP.

This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 22-198, date of issue October 25, 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: Body Control Module (BCM) Updates

OVERVIEW:
This bulletin involves reprogramming the Body Control Module (BCM) with the latest available software.

MODELS:

2021	(WL)	Jeep Grand Cherokee

NOTE: This bulletin applies to vehicles within the following markets/countries: North America, South America, Enlarged Europe, China, India/Asia Pacific and Middle East/Africa.

SYMPTOM/CONDITION:
Customer may describe various LIN related functions (steering wheel, center stack, terrain or 4WD) switches and/or certain interior lamps not working. Upon further inspection the technician may also observe the following DTCs may have set without a MIL:

- U1223-00 - Lost Communication with Wireless Charging Pad Module.
- U121E-00 - Lost Communication With Steering Wheel Cruise Control Switch.
- U1207-00 - Lost Communication With Terrain Switch Bank Module.
- U1191-00 - Lost Communication with Switch Bank Module 2.
- U1153-00 - Lost Communication With Windshield Wiper Smart Module.
- U114F-00 - Lost Communication with LIN Overhead Console.
- U114D-87 - Lost Communication with Hands Free Liftgate Module-Missing Message.
- U113B-00 - Lost Communication With Switch Bank Module.
- U112D-00 - Lost Communication With EVIC Steering Wheel Switches.
- U1125-00 - Lost Communication With LIN ECU 5- (Ride Height Switch Module).
- U1123-00 - Lost Communication With LIN ECU 3- (Switch Bank Module Rear Right).
- U1122-00 - Lost Communication With LIN ECU 2- (Switch Bank Module Rear Left).
- U1008-00 - LIN 1 Bus Steering Column Control Module Electrical Diagnostic.
- U0231-00 - Lost Communication With Rain Sensing Module.

In addition, the customer may experience one or more of the following:

- Fuel Level and Range (distance to empty) (DTE) will both increase after sleep cycle.
- Fuel Level % would increase when parked on a slope.
- Fuel gauge remains at full for 107 km (67 miles) vs. 73 km (45 miles).
- After fueling up with 68 liters (18.1 gallons) of fuel, the fuel gauge only will read around 1/4 tank and the low fuel lamp is still illuminated. After 10 minutes of driving, the gauge only read around 3/4 tank and the fuel lamp is still on.
- Refuel button is pressed for a short duration of 500ms or less at key off, then the fuel door is not opened.
- When the phone is charging on the Wireless Charging Pad Module (WCPM) and the fob is near, the customer opens then closes the liftgate, the IPC will pop up "key fob has left the vehicle" message.
- On vehicles equipped with Electronic Steering Lock (ESL), it requires 3 Start/Stop button presses to transition from key off to key run when the vehicle was in deep sleep.

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 a Diagnostic Trouble code (DTC) 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 repair procedure.

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

NOTE: Advise the customer that any paired devices may need to be re-paired after this update.

1. **Is the vehicle on the RSU VIN list?
   - YES>>> Proceed to Step 2.
   - NO>>> Proceed to Step 3.

2. Does the BCM have the latest software already installed?
   - YES>>> This bulletin has been completed, use inspect LOP (18-19-02-HE) to close the active RSU.
   - NO>>> Proceed to Step 3.**

3. Reprogram the BCM with the latest software. Detailed instructions for flashing control modules using the wiTECH Diagnostic Application are available by selecting the application's "HELP" tab.

4. Clear any 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. Using wiTECH, restore vehicle configuration. This routine is available under the 'Guided Diagnostics' tab found on the home, 'Vehicle View' page of wiTECH.

6. Turn off the vehicle, unplug the wiTECH and open and close the driver door. Let all modules go to sleep (this should take approximately one minute).

7. Reconnect wiTECH and clear any DTCs which may have been set during the reconfiguration procedure.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
**18-19-02-HE	Module, Body Control (BCM) - Inspect (0 - Introduction)	6 - Electrical and Body Systems	0.2 Hrs.
18-19-02-HB	Module, Body Control (BCM) - Inspect, Reprogram and Restore Vehicle Configuration (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 2 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