STELLANTIS
PARTS & SERVICES

Technical Service Bulletin (TSB)

Flash: Memory Seat Module (MSM) Updates

REFERENCE:	**TSB:** 08-163-22 REV. B **GROUP** 08 - Electrical	**Date:**	December 16, 2022	**REVISION:**	**08-163-22 REV. A**
VEHICLES AFFECTED:	**2022 (WS) Grand Wagoneer/Wagoneer** **This bulletin applies to vehicles built on or after December 23, 2021 (MDH 1223XX) and on or before October 13, 2022 (MDH 1013XX) equipped with Driver Seat Memory (Sales Code LEQ), Memory Steering Column (Sales Code LEW).**			**MARKET APPLICABILITY:** ☒NA ☐MEA ☐SA ☐IAP ☐EE ☐CH	
CUSTOMER SYMPTOM:	**Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find the following Diagnostic Trouble Code (DTC).** • B1D9B-54 - Seat Horizontal Front Stop Not Learned-Missing Calibration. **Customers may experience the following:** • Memory seat do not save on profiles 1 or 2. • Easy entry/exit functionality is inoperative.				
CAUSE:	**MSM Software**				

This bulletin supersedes Technical Service Bulletin (TSB) 08-163-22 REV. A, date of issue December 13, 2022, which should be removed from your files. All revisions are highlighted with **asterisks and include updating the Rapid Service Update (RSU) number.**

This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) **22-234, date of issue December 13, 2022. All applicable Sold and UnSold RSU VINs have been loaded. To verify this RSU service action is applicable to the vehicle, use VIP or perform a VIN search in DealerCONNECT/Service Library. All repairs are reimbursable within the provisions of warranty. This RSU will expire 18 months after the date of issue.**

REPAIR SUMMARY:

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

CLAIMS DATA:

Labor Operation No:	Labor Description	Skill Category	Labor Time
18-52-33-9A	Module, Memory Seat (MSM) - Inspect (0 - Introduction)	6 - Electrical and Body Systems	0.2 Hrs.
18-52-33-9B	Module, Memory Seat (MSM) - Inspect and Reprogram (0 - Introduction)	6 - Electrical and Body Systems	0.3 Hrs.
Failure code	RF	Required Flash	
	CC	Customer Concern	

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.

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.

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. Is the vehicle on the RSU VIN list?
   - YES >>> Proceed to Step 2.
   - NO >>> Proceed to Step 3.
2. Does the MSM have the latest software already installed?
   - YES >>> This bulletin has been completed, use inspect LOP (18-52-33-9A) to close the active RSU.
   - NO >>> Proceed to Step 3.
3. Reprogram the MSM module 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. Using wiTECH, perform a proxi configuration alignment. This routine is available under the ’Diagnostic Procedures’ tab found on the home, ’Vehicle View’, page of wiTECH.
5. Go to the MSM in the vehicle topology, go to Misc Functions, Perform the ″Calibration/Standardization MSM. Follow the wiTECH prompts.
6. 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.
7. Perform an ignition cycle.
8. Check for any DTCs that may have appeared after reprogramming.

POLICY:

Reimbursable within the provisions of the warranty.