



NUMBER: 08-099-22 REV. C

GROUP: 08 - Electrical

DATE: October 27, 2022

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This bulletin supersedes Technical Service Bulletin (TSB) 08-099-22 REV. B, date of issue August 12, 2022, which should be removed from your files. All revisions are highlighted with **asterisks**** and Include a new Rapid Service Update (RSU) number, Diagnostic Trouble Code (DTC), symptom, updated build dates and LOP.**

This Technical Service Bulletin (TSB) has also been released as a Rapid Service Update (RSU) 22-189, date of issue October 27, 2022. All applicable Un-Sold 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.

SUBJECT:

Power Side Step Module (PSSM) Update

OVERVIEW:

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

MODELS:

2022 - 2023 (WS) Grand Wagoneer/Wagoneer

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

NOTE: This bulletin applies to vehicles built on or before **August 17, 2022 (MDH 0817XX)**** equipped with Power Deployable Running Boards (Sales Code MY7).**

SYMPTOM/CONDITION:

****Customers may experience a Malfunction Indicator Lamp (MIL) and/or Service Air Suspension Message In Cluster. Upon further investigation the technician may find the following Diagnostic Trouble Code (DTC):**

- U0422-00 Implausible Data Received From Body Control Module.

The customer may also experience one or more of the following:

- Power side step noise unacceptably loud.**
- The power side steps still deploy/retract after being disabled (i.e. Power Side Step Store Mode) from the radio settings, this is observed when the vehicle just wakes up from sleep.
- The PSSM will not be able to enter sleep mode (resulting in a battery drain) the moment the power side step radio setting is changed from "Auto" to "Store" mode and closing a door at the same time (changing radio setting within five seconds after a door is closed).

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 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, perform the repair.

REPAIR PROCEDURE:

1. Is the vehicle on the RSU VIN list?
 - YES>>> Proceed to [Step 2](#).
 - NO>>> Proceed to [Step 3](#).
2. Does the PSSM control module have the latest software already installed?
 - YES>>> This bulletin has been completed. Use inspect LOP ****(18-19-1B-92)**** to close the active RSU.
 - NO>>> Proceed to [Step 3](#).
3. Reprogram the PSSM 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. Open then close the driver's and passenger's doors to complete the PSSM self - calibration.
5. 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.
6. Open then close the driver's and passenger's doors normally to confirm the functionality of the side steps.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
**18-19-1B-92	Module, Power Side Step (PSSM) – Inspect (0 - Introduction)	6 - Electrical and Body Systems	0.2 Hrs.
18-19-1B-93	Module, Power Side Step (PSSM) - Inspect and 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 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