TECHNICAL SERVICE BULLETIN

NUMBER: 08-127-21

GROUP: 08 - Electrical

DATE: August 4, 2021

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This Technical Service Bulletin (TSB) has also been released as a Rapid Response Transmittal (RRT) 21-109, date of issue August 04, 2021. All applicable Sold and Un-Sold RRT VINs have been loaded. To verify this RRT 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 RRT will expire 18 months after the date of issue.

SUBJECT:

Flash: Smart Lighting Module Left (SLML) and Smart Lighting Module Right (SLMR) Updates

OVERVIEW:

This bulletin involves reprogramming the SLML and SLMR with the latest available software.

MODELS:

2021	(WL)	Jeep Grand Cherokee

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

NOTE: This bulletin applies to vehicles built on or after June 29, 2021 (MDH 0629XX) and on or before July 27, 2021 (MDH 0727XX) without LED Low/Highbeam Projector Headlamps (Sales Code LM6).

SYMPTOM/CONDITION:

Customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find that one or more of the following Diagnostic Trouble Codes (DTCs) have been set:

- B2834-00 - Right Headlamp Assembly Performance.
- B2835-00 - Left Headlamp Assembly Performance.

Customers may experience one or more of the following:

- “Service Headlamp” message appears in the information cluster.
- Headlamps only function on low beam, park lamp and side marker lamps.

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 RRT VIN list or if the technician finds the DTC, perform the Repair Procedure. **This RRT only applies to vehicles on the RRT VIN list**.

REPAIR PROCEDURE:

1. Check the SLML and SLMR software version to see if it is the latest available.
2. Does the vehicle have the latest software?
   - YES>>> This bulletin has been completed, use inspect LOP (18-19-32-90) to close the active RRT.
   - NO>>> Proceed to Step 3.
3. Reprogram the SLML and SLMR with the latest software. Detailed instructions for flashing control modules using the wiTECH Diagnostic Application are available by selecting the application's "HELP" tab.

NOTE: This flash reprogramming will update both the SLML and SLMR simultaneously. Once the flash reprogramming session is complete please verify the SLML and SLMR have been updated.

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.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-19-32-90	Module, Smart Lighting Left and Right (SLML and SLMR) - Inspect Both (0 - Introduction)	6 - Electrical and Body Systems	0.2 Hrs.
18-19-32-91	Module, Smart Lighting Left and Right (SLML and SLMR) - Inspect and Reprogram Both (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 choose which failure code to use depending on if this is a Rapid Response Transmittal (RRT) or 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 RRT.
- The failure code "RF" (Required Flash) can no longer be used on Service Bulletin flashes. **The "RF" failure code must be used on an RRT.**
- 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 must be supplied.

RF	Required Flash - RRT
CC	Customer Concern