



**NUMBER:** 08-020-22

**GROUP:** 08 - Electrical

**DATE:** January 27, 2022

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**SUBJECT:**

Flash: Amplifier (AMP) Diagnostic and System Updates

**OVERVIEW:**

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

**MODELS:**

2021	(DJ)	RAM 2500 Pickup
2021	(DT)	RAM 1500 Pickup
2021	(JL)	Jeep Wrangler
2021	(WK)	Jeep Grand Cherokee
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 DJ vehicles built on or after June 09, 2021 (MDH 0609XX) and on or before September 06, 2021 (MDH 0906XX) equipped with Premium Alpine Speaker System (Sales Code RC3).
- This bulletin applies to DT vehicles built on or after June 17, 2021 (MDH 0617XX) and on or before September 20, 2021 (MDH 0920XX) equipped with Premium Alpine Speaker System (Sales Code RC3).
- This bulletin applies to JL vehicles built on or after June 21, 2021 (MDH 0621XX) and on or before September 06, 2021 (MDH 0906XX) equipped with Premium Alpine Speaker System (Sales Code RC3).
- This bulletin applies to WK vehicles built on or after June 21, 2021 (MDH 0621XX) and on or before September 20, 2021 (MDH 0920XX) equipped with Premium Alpine Speaker System (Sales Code RC3).
- This bulletin applies to WL vehicles built on or after May 17, 2021 (MDH 0517XX) and on or before June 28, 2021 (MDH 0628XX) equipped with Premium Alpine Speaker System (Sales Code RC3).

**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:

- B143B-12 - ANC Microphone 1-Circuit Short To Battery.
- B143C-12 - ANC Microphone 2-Circuit Short To Battery.
- B143E-12 - ANC Microphone 3-Circuit Short To Battery.

- B143F-12 - ANC Microphone 4-Circuit Short To Battery.

**NOTE: The DTCs are wrongly set and do not affect Active Noise Cancelation (ANC) performance.**

**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 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 the customer describes the symptom/condition listed above or if the technician finds the DTC, perform the Repair Procedure.

**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 DTC B143B-12 stored?
  - YES>>> Proceed to [Step 2](#).
  - NO>>> The DTC is not active. Follow all normal service diagnostic procedures in DealerCONNECT/Service Library.
2. Reprogram the AMP with the latest software. Detailed instructions for flashing control modules using the wiTECH Diagnostic Application are available by selecting the application's "HELP" tab.
3. Is this a WL vehicle?
  - YES>>> Proceed to [Step 4](#).
  - NO>>> Proceed to [Step 5](#).
4. To perform an EPS reset with wiTECH - Go to the "Guided Diagnostics" menu, select "Reset ECU", Select "EPS" from the list of modules, Click "Continue" at the bottom of the page then follow the wiTECH prompts.

**NOTE: If the Electric Power Steering (EPS) module is not reset, it may cause the EVIC to display a service the Ambient Light Module (ALM) message.**

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.

**POLICY:**

Reimbursable within the provisions of the warranty.

**TIME ALLOWANCE:**

Labor Operation No:	Description	Skill Category	Amount
18-60-07-9D	Amplifier (AMP) - 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 6 minutes. Actual flash download times may be affected by vehicle connection and network capabilities.**

***FAILURE CODE:***

**The dealer must use failure code CC with this Technical Service Bulletin.**

- 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 (customer's concern, cause and correction) must be provided for processing Technical Service Bulletin flash/reprogramming conditions.

CC	Customer Concern
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