



NUMBER: 08-041-22

GROUP: 08 - Electrical

DATE: March 1, 2022

This bulletin is supplied as technical information only and is not an authorization for repair. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without written permission of FCA US LLC.

SUBJECT:

Flash: Amplifier (AMP) Diagnostic and System Updates

OVERVIEW:

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

MODELS:

2021 (WL) Jeep Grand Cherokee

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

NOTE: This bulletin applies vehicles built on or before August 05, 2021 (MDH 0805XX) equipped with 19 SPKRS SRT High Perf Audio (Sales Code RCA).

SYMPTOM/CONDITION:

Customers may experience the following:

- Active Noise Cancellation (ANC) drone noise at 950 between 1,000 RPM, during a start up.

NOTE: The AMP may set B221F-00 (Amplifier Internal) erroneously, it does not affect Active Noise Cancellation (ANC) performance.

NOTE: If B221F-00 is a stored fault update the AMP with appropriate software. If fault is active, follow normal DTC diagnostics.

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 B221F-00 stored?
 - YES>>> Proceed to [Step 2](#).
 - NO>>> The DTC is 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.

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.

3. 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.
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
18-60-07-AJ	Amplifier (AMP) - Reprogram (0 - Introduction)	6 - Electrical and Body Systems	0.6 Hrs.

NOTE: The expected completion time for the flash download portion of this procedure is approximately 20 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
----	------------------