



NUMBER: 08-170-22

GROUP: 08 - Electrical

DATE: September 10, 2022

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SUBJECT:

Flash: Electric Power Steering (EPS) Module Updates

OVERVIEW:

This bulletin involves updating the EPS module with the latest available software.

MODELS:

2022 (WL) Jeep Grand Cherokee

NOTE: This bulletin applies to vehicles within the following markets/countries: North America, Enlarged Europe, India/Asia Pacific, Middle East/Africa and South America.

NOTE: This bulletin applies to vehicles built on or before June 15, 2022 (MDH 0615XX).

SYMPTOM/CONDITION:

The customer may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the technician may find one or more of the following (DTCs):

- C1592-00 - Electronic Power Steering Motor Circuit.
- C2217-00 - Electric Power Steering Module Internal.
- C1593-00 - Steering Torque Sensor Circuit.

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 one listed 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.

CAUTION! The supplier of this EPS ECU has determined that this EPS will not recover if the flash reprogramming process is interrupted or aborted. Any interruptions of the flash process may render the ECU Inoperable. Please make sure the battery is sufficiently charged and complete the ECU flash without any interruptions This is an EPS ECU issue and should not be mistaken for a wiTECH tool issue.

1. Reprogram the EPS 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.
2. Wait 2 minutes after the EPS flash has been completed.
3. Perform a EPS reset in the Guided Diagnostics menu from wiTECH.

NOTE: If the EPS module is not reset, this may cause the EVIC to display a service the ALM (Active Lane Management) message.

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.
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
18-19-56-9L	Module, Electric Power Steering (EPS) - Reprogram and EPS Reset (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 2 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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