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GROUP: Electrical

DATE: December 20, 2014

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HELP USING THE wiTECH DIAGNOSTIC APPLICATION FOR FLASHING AN ECU IS AVAILABLE BY SELECTING “HELP” THEN “HELP CONTENTS” AT THE TOP OF THE wiTECH DIAGNOSTIC APPLICATION WINDOW.

THE wiTECH SOFTWARE LEVEL MUST BE AT 15.02 OR HIGHER TO PERFORM THIS PROCEDURE.

SUBJECT:

Flash: BCM Diagnostic And System Improvements

OVERVIEW:

This bulletin involves updating the Body Control Module (BCM) software.

MODELS:

2014 (KL) Jeep Cherokee

NOTE: This bulletin applies to vehicles built on or before July 11, 2014 (MDH 00711XX).

SYMPTOM/CONDITION:

Customer and or Technician may notice one of more of the following:

- A message may be displayed in the cluster “Start/Stop Not Available”, this may have started after the battery was disconnected. On Further inspection the Technician may find DTC U0216 Lost Communication With Driver Door Switch.
- Intermittent No Start condition **Without** any DTCs (Vehicles with steering column lock, only).
- U1220-87 - Lost Steering Lock Request Message - Missing Message.
- U1517-87 - Body Controller Secret Code - Missing Message.
- B2199-17 - Battery Voltage - Circuit Voltage Above Threshold, set in the BCM.
- Day Time Running Lamps (DRL) will not turn on until the vehicle speed is 2 MPH (3 KPH), (Manual Transmission only).
- Puddle Lamps will not turn off when the engine is started, (Manual Transmission only).

NOTE: If battery system DTC P0562 Battery/System Voltage Low or P0563 Battery/System Voltage High are set, normal charging system diagnostics needs to be performed.

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available, verify all vehicle systems are functioning correctly. If any DTCs are present, other than the ones listed above, record them 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 DTCs 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. Reprogram the BCM with the latest software. Detailed instructions for flashing control modules using the wiTECH Diagnostic Application are available by selecting the "HELP" tab on the upper portion of the wiTECH window, then "HELP CONTENTS." This will open the Welcome to wiTECH Help screen where help topics can be selected.
2. Did the vehicle have the message "Start-Stop Not Available" displayed on the cluster?
 - a. Yes >>> Proceed to [Step #3](#).
 - b. No >>> Proceed to [Step #5](#).

NOTE: Make sure to follow all screen pop-ups.

3. Using wiTECH, perform a Restore BCM Proxi Configuration. This routine is available under the 'Vehicle Preparations' tab found on the home page of wiTECH.
4. Using wiTECH, perform a Proxi Configuration Alignment. This routine is available under the 'Vehicle Preparations' tab found on the home page of wiTECH.
5. Clear any 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 the DTCs to be cleared.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-19-02-Z9	Module, Body Control - Reprogram (0 - Introduction)	6 - Electrical and Body Systems	0.3Hrs.

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:

FM	Flash Module
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