



**NUMBER:** 18-019-14

**GROUP:** Vehicle Performance

**DATE:** March 18, 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 RELEASE 14.03 OR HIGHER TO PERFORM THIS PROCEDURE.**

**SUBJECT:**

Flash: Cruise Control Inoperative and/or Knocking (Detonation) Sound

**OVERVIEW:**

This bulletin involves selectively erasing and reprogramming the Powertrain Control Module (PCM) with new software.

**MODELS:**

2014                      (WK)                      Grand Cherokee (International Markets)

**NOTE: This bulletin applies to WK vehicles equipped with a 3.0L engine (sales code EXF) and Euro 5 OR Euro Stage 4 Emissions (sales code NBC or NB4) built on or before 2/7/2014 (MDH 0207XX).**

**SYMPTOM/CONDITION:**

A small number of customers may experience Cruise Control lock out (inoperative) after several "+" cruise button inputs attempting to increase Cruise Set Speed. Turning the ignition off and back on will clear the condition.

Some vehicles equipped with Euro 4 Emissions (sales code NB4) may experience a knocking noise due to detonation.

**DIAGNOSIS:**

If the customer experiences the SYMPTOM/CONDITION, 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 PCM with the latest software. Help using the wiTECH Diagnostic Application for flashing control modules is available through the wiTECH Diagnostic Application. For instructions select the "HELP" tab on 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. **After PCM reprogramming, the following must be performed:**
  - a. Clear any DTC's that may have been set in other modules due to reprogramming. The wiTECH application will automatically present all DTC's after the flash and allow the tech to clear them.
  - b. Perform Reset Zero Fuel Quantity Calibration Procedure. With Key on, engine off proceed as follows;
  - c. In topology page, select > PCM
  - d. Select > Misc. Functions.
  - e. Select > Reset Zero Fuel Quantity Calibration
  - f. Display will show; "Have the injector quantity adjustment values already been programmed?" Select > Yes
  - g. Display will show; "In Order To Perform This Test, The Engine Must NOT Be Running" Select > Continue
3. Repair complete.

**POLICY:**

Reimbursable within the provisions of the warranty.

**TIME ALLOWANCE:**

Labor Operation No:	Description	Skill Category	Amount
18-19-04-AD	Module, Powertrain Control (PCM) - Reprogram (1 - Semi-Skilled)	8 - Engine Performance	0.2 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:**

FM	Flash Module
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