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GROUP: Vehicle Performance

DATE: June 30, 2011

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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 12.01 OR HIGHER TO PERFORM THIS PROCEDURE.

SUBJECT:

Flash: Driveability And Transmission And Heating And A/C Improvements

OVERVIEW:

This bulletin involves flash reprogramming the Powertrain Control Module (PCM) with new software.

MODELS:

2011	(WD)	Durango
2011	(WK)	Grand Cherokee

NOTE: This Service Bulletin applies to WK vehicles equipped with a 5.7L engine (Sales Code EZH) and 545RFE transmission (Sales Code DGJ) built before April 4, 2011 (MDH 0404XX).

NOTE: This Service Bulletin applies to WD vehicles equipped with a 5.7L engine (Sales Code EZH) and 545RFE transmission (Sales Code DGJ) built before May 10, 2011 (MDH 0510XX).

SYMPTOM/CONDITION:

Some customers may notice any of the following;

Heating And A/C Improvements

- a. A/C not cooling enough or feel a warm air burst. This condition happens if 3 to 4 wide open throttle event happen during the same drive cycle or when towing a trailer. **(WK Body Only)**
- b. Heater warm-up time is too slow at or below 14° F (-10° C). Idle RPM has been increased for improved heater warm-up times. **(WK Body Only)**
- c. Loud cooling fan or fan run on high for long periods with the A/C on. **(WK and WD Bodies)**

Driveability Improvements

- a. Fuel odor. This condition is noticeable in hot ambient temperatures, while towing a trailer or in stop or go city traffic. Purge flow has been increased. **(WK Body Only)**
- b. Lacks Performance. Some driving conditions can produce circumstances where some customers may perceive more pedal effort is required to get the Powertrain to accelerate the vehicle as desired. The PCM calibration for pedal vs. torque relationship was changed to allow for more torque delivery at less pedal effort/travel. **(WK Body only)**
- c. Knock sound. This condition happens on heavy throttle input or entry into or out of MDS modes. The spark knock calibration has been changed to accommodate these conditions. **(WK Body Only)**
- d. Drone sound while operating in MDS V4 mode at steady state driving, anywhere between the speeds of 35 to 60 mph (56 to 96 kph). **(WD Body Only)**
- e. EVIC fuel economy calculation improvements. **(WD Body Only)**
- f. Cruise Control cancels without driver input while in ACC mode at about 5800 RPM. To correct this condition the cruise control cancel mode RPM limit has been raised. **(WK Body Only)**

Transmission Improvements:

- a. Bump feeling or clunk sound in 4WD Low during a coast down. This condition happens at speeds between 5 to 30 mph followed by the driver letting off on the throttle (Decel). **(WK Body International Vehicles Only)**
- b. Too high vehicle speed needed before shifting from 3rd - 4th gear. **(WK and WD Bodies)**
- c. Shudder or shake feeling on wide open throttle stab. **(WK and WD Bodies)**
- d. Harsh 1-2 upshift. **(WK and WD Bodies)**
- e. Unexpected or busy downshift with a raise in engine speed while coasting at between 45 and 48 mph (72 to 77 kph). **(WD Body Only)**

DIAGNOSIS:

Using a Scan Tool (wiTECH™) with the appropriate Diagnostic Procedures available in TechCONNECT, verify no DTC's are set. If DTC's are present record them on the repair order and repair as necessary before proceeding further with this bulletin.

If the customer describes any of the symptoms, perform the Repair Procedure.

PARTS REQUIRED:

Qty.	Part No.	Description
1	04275086AB	Label, Authorized Modification

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 an ECU is available by selecting “Help” then “Help Contents” at the top of the wiTECH diagnostic application window. **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 DTCs after the flash and allow the tech to clear them.
2. Type the necessary information on the “Authorized Modification Label” and attach it near the VECI label.

NOTE: Clear any DTC's that may have been set in other modules due to reprogramming. The wiTECH application will automatically present all DTCs after the flash and allow the tech to clear them.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Amount
18-19-06-L9	Module, Powertrain Control (PCM) - Reprogram (C)	0.2 Hrs.

FAILURE CODE:

FM	Flash Module
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