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GROUP: 18 - Vehicle Performance

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THIS BULLETIN SUPERSEDES SERVICE BULLETINS 18-002-17 DATED JANUARY 13, 2017, WHICH SHOULD BE REMOVED FROM YOUR FILES. ALL REVISIONS ARE HIGHLIGHTED WITH **ASTERISKS**** AND INCLUDE AN ADDITIONAL DIAGNOSTIC TROUBLE CODE (DTC) FOR THE 3.6L ENGINE, UPDATED FAILURE CODE STATEMENT AND LOP.**

FOR HELP WITH USING wiTECH FOR ECU FLASH REPROGRAMMING, CLICK ON THE APPLICATION'S "HELP" TAB.

THE wiTECH SOFTWARE IS REQUIRED TO BE AT THE LATEST RELEASE BEFORE PERFORMING THIS PROCEDURE.

SUBJECT:

Flash: Powertrain Diagnostic and System Improvements

OVERVIEW:

This bulletin involves reprogramming the Powertrain Control Module (PCM) with the latest available software.

MODELS:

2014 (JK) Jeep Wrangler

NOTE: This bulletin applies to vehicles equipped with a 3.6L V6 24V VVT Engine (Sales Code ERB) or a 3.0L V6 24V VVT Engine (Sales Code EHD) and a 5-Speed Auto W5A580 Transmission (Sales Code DGJ) or a 6-Speed Manual NSG370 Transmission (Sales Code DEH).

SYMPTOM/CONDITION:

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

- ****P1239 - Engine Oil Temperature Too Low (Sales Code ERB).****
- P0116 - Engine Coolant Temperature Sensor Performance (Sales Code ERB).
- P0335 - Crankshaft Position Sensor Circuit (Sales Code ERB).
- P0300 - Multiple Cylinder Misfire (Sales Code ERB).
- P0306 - Cylinder 6 Misfire. With automatic transmission (Sales Code DGJ) and (Sales Code ERB).
- P0456 - EVAP System Small Leak (Sales Code ERB).
- P2097 - Downstream Fuel Trim System 1 Rich.
- P2099 - Downstream Fuel Trim System 2 Rich.
- P0830 - Clutch Pedal Switch "A" Circuit. With manual transmission (Sales Code DEH).
- U0140 - Lost Communication With Body Control Module.

Customers may also describe one or more of the following conditions:

- Less than desired shift points during Wide Open Throttle (WOT) operation.
- Perceived misfire under normal acceleration.

In addition, the following software updates are also available:

- Corrected a generic scan tool display issue regarding Mode 6 data accuracy.
- Starter disable feature for Rock Crawling and vehicles equipped with a Manual Transmission (**Sales Code DEH**).

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all related systems are functioning as designed. If DTCs 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. Reprogram the PCM 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. 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
18-19-06-UH	Module, Powertrain Control (PCM) - Reprogram (0 - Introduction)	1 - Engine Repair and Performance	0.2 Hrs.

NOTE: The expected completion time for the flash download portion of this procedure is approximately 5 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 Service Bulletin.**

- If the customer's concern matches the SYMPTOM/CONDITION identified in the 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 Service Bulletin flash/reprogramming conditions.**

CC	Customer Concern
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