SERVICE BULLETIN

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 14.01 OR HIGHER TO PERFORM THIS PROCEDURE.

SUBJECT:
Blue Smoke From Exhaust On Initial Start-up When Parked Facing Uphill On An Incline

OVERVIEW:
This bulletin involves selectively erasing and reprogramming the Powertrain Control Module (PCM) with new software and installing a revised engine oil pan.

MODELS:

2011 - 2014	(WK)	Grand Cherokee
2011 - 2014	(WD)	Durango

NOTE: This bulletin applies to vehicles equipped with a 5.7L engine (sales code EZH) built on or before October 1, 2013 (MDH 1001XX).

SYMPTOM/CONDITION:
A small number of customers may experience blue smoke from the exhaust tailpipe when engine is initially started after an extended cold soak period and vehicle has been parked facing uphill on a significant incline. This condition is typically the result of oil pull over on the rear cylinder walls. The revised oil pan incorporates an improved windage tray/oil scraper that helps reduce the condition. The associated PCM software update incorporates a reduced engine vacuum feature that is enabled under these conditions which lessens the effect of oil pull over.

DIAGNOSIS:
Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify all engine systems are functioning as designed. 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 the symptom/condition, perform the Repair Procedure.

NOTE: This bulletin only applies to a blue smoke complaint occurring under the above described conditions.

PARTS REQUIRED:

Qty.	Part No.	Description
1	68207352AA	Pan, Engine Oil

REPAIR PROCEDURE:
1. Replace the engine oil pan with revised p/n 68207352AA . Refer to the detailed removal and installation procedures available in DealerConnect> TechConnect> Service Info> Engine, 5.7L> Lubrication> Pan, Oil> Removal and Installation.
2. Is the vehicle a 2011 Model Year?
   a. Yes >>> Repair complete.
   b. No >>> Proceed to Step 3.

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.

3. 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.
4. **After PCM reprogramming, the following must be performed:**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	Skill Category	Amount
09-60-01-90	Pan, Engine Oil - Replace (2011 WK/WD) (1 - Semi-Skilled)	9 - Engine Repair	3.2 Hrs.
09-60-01-90	Pan, Engine Oil Replace (2012 - 2014 WK/WD) (1 - Semi-Skilled)	9 - Engine Repair	3.4 Hrs.
Optional Operation No:			
09-60-01-91	Pan, Oil - 4x4/AWD Equipped (2011-2014 WK/WD)	N/A	0.3 Hrs.

09-60-01-92	Pan, Oil - Skid Plate Equipped (2011 WK/WD)	N/A	0.1 Hrs.
Related Operation No:			
18-19-06-W6	Module, Powertrain Control (PCM) - Reprogram (2012 - 2014 WK/WD)	N/A	0.2 Hrs.

FAILURE CODE:

ZZ	Service Action