

**NUMBER:** 18-009-13 REV. A**GROUP:** Vehicle Performance**DATE:** September 12, 2013

This bulletin is supplied as technical information only and is not an authorization for repair. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without written permission of Chrysler Group LLC.

THIS BULLETIN SUPERSEDES SERVICE BULLETIN 18-009-13, DATED FEBRUARY 22, 2013 WHICH SHOULD BE REMOVED FROM YOUR FILES.

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:

Flash: Various Drivability Improvements

OVERVIEW:

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

MODELS:

2012 - 2013 (DJ) Ram 2500 CNG

NOTE: This bulletin applies to vehicles equipped with a 5.7L CNG engine (sales code EZF) built on or before June 20, 2013 (MDH 0620XX).

SYMPTOM/CONDITION:

A small number of customers may experience a Malfunction Indicator Lamp (MIL) illumination. Upon further investigation the Technician may find that the following Diagnostic Trouble Code (DTC) has been set:

- P1004 - Short Runner Valve Control Performance
- P2016 - Intake Manifold Runner Position Sensor Circuit Low
- P2017 - Intake Manifold Runner Position Sensor Circuit High
- P0456 - Evap System Small Leak
- P0300 - Multiple Cylinder Misfire

Customers may also experience any of the following conditions:

- Excess gasoline mode operation under normal operating conditions (switching to gasoline mode too often)
- Slight hesitation on initial acceleration when starting in gasoline mode
- Engine speed fluctuation on first gasoline to CNG mode transition under extremely

- low ambient temps
- Engine idle speed drop with power steering application

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 other than the ones listed above are present, record them on the repair order and repair as necessary before proceeding further with this bulletin.

If a customer describes the symptom/condition or if the technician finds the listed 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. Using the wiTECH Diagnostic Application for flashing a HVAC is made 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:** 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
18-19-06-V9	Module, Powertrain Control (PCM) - Reprogram (1 - Semi-Skilled)	8 - Engine Performance	0.2 Hrs.

FAILURE CODE:

FM	Flash Module
----	--------------