



NUMBER: 21-009-13

GROUP: Transmission and Transfer Case

DATE: August 23, 2013

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THE wiTECH SOFTWARE LEVEL MUST BE AT RELEASE 14.01 OR HIGHER TO PERFORM THIS PROCEDURE.

SUBJECT:

Flash: Transmission Shift Enhancements

OVERVIEW:

This bulletin involves flash reprogramming the Transmission Control Module (TCM) with new software.

MODELS:

2013 PF Dart

NOTE: This bulletin applies to vehicles built on or before August 2, 2013 (MDH 0802XX) equipped with the 1.4L Engine (Sale Code EAF) and the Dual Dry Clutch Transmission (Sales Codes DA1).

SYMPTOM/CONDITION:

Some customers may experience any or all of the following transmission shift concerns:

- Hesitation or delay when shifting between gears
- Slips/shifts erratically
- Shift between gears is rough/harsh under normal driving conditions
- Transmission makes abnormal/excessive noise
- Shifts at wrong times

DIAGNOSIS:

Using a Scan Tool (wiTECH™) with the appropriate Diagnostic Procedures available in TechCONNECT, verify no Diagnostic Trouble Codes (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 any of the above condition are present, 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. Ensure that Recall N32 has been performed and/or the Powertrain Control Module (PCM) software calibration is at the latest level.

NOTE: In order for the transmission enhancements to function properly, the Powertrain Control Module (PCM) software calibration must be at the latest level.

2. Reprogram the TCM 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.
3. **After TCM reprogramming**, 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
18-19-05-9A	Module, Transmission Control (TCM) - Inspect (1 - Semi-Skilled)	2- Automatic Transmission	0.2 Hrs.
18-19-05-9B	Module, Transmission Control (TCM) - Reprogram (1 - Semi-Skilled)	2- Automatic Transmission	0.4 Hrs.

FAILURE CODE:

FM	Flash Module
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