



NUMBER: 18-023-13

GROUP: Vehicle Performance

DATE: May 25, 2013

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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 13.03 OR HIGHER TO PERFORM THIS PROCEDURE.

SUBJECT:

Flash: Erroneous P0633 - SKIM Secret Key Not Stored in PCM And P0513 - Invalid SKIM Key

OVERVIEW:

Previous DTC assignment incorrectly associates the wrong DTC to immobilizer hand-shake failures with the WCM. To correct DTC assignment this bulletin involves selectively erasing and reprogramming the Powertrain Control Module (PCM) with new software. An additional code may be present U0168 - Lost Communication With Vehicle Security Control Module. This code is another indicator that there is an issue occurring during the ignition hand shake.

MODELS:

2012 - 2013	(RT)	Chrysler Grand Voyager (International Only)
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NOTE: This bulletin applies to vehicles equipped with a 2.8L 4 CYL Turbo Diesel (sales code ENS), export emissions (sales code NA1), with Diesel Particulate Filter (DPF) (sales code XD4) and 6 - Speed Automatic 62TE Transmission (sales code DG2) built on or before August 28, 2012 (MDH 0828XX).

SYMPTOM/CONDITION:

Technician may find that the following Diagnostic Trouble Codes have been set:

- P0633 - SKIM Secret Key Not Stored in PCM
- P0513 - Invalid SKIM Key
- U0168 - Lost Communication With Vehicle Security Control Module

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 one listed above are present record them on the repair order and repair as necessary

before proceeding further with this bulletin.

If the technician finds the listed DTC, 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. Follow the detailed service procedures available in DealerCONNECT/TechCONNECT, Refer To Group 8 - Electrical > Electronic Control Modules - Service Information > Module - Powertrain Control > Standard Procedures > PCM/ECM Programming.
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.
3. Type the necessary information on the "Authorized Modification Label" and attach it near the VECI label.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Amount
18-19-06-U8	Module, Powertrain Control (PCM) Reprogram (1 - Semi-Skilled)	0.2 Hrs.

FAILURE CODE:

FM	Flash Module
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