



NUMBER: 08-124-15

GROUP: Electrical

DATE: December 19, 2015

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

SUBJECT:

Flash: Vehicle System Interface Module Enhancements

OVERVIEW:

This bulletin involves updating the Vehicle System Interface Module (VSIM) software.

MODELS:

2015 (LD) Dodge Charger

NOTE: This bulletin applies to vehicles built on or before August 09, 2015 (MDH 0809XX) equipped with Vehicle System Interface Module (sales code AHB).

SYMPTOM/CONDITION:

A customer may experience that the VSIM controlled systems become inoperative.

Upon further investigation the technician should find the following:

- There should be NO DTCs set, stored by or against the VSIM.
- VSIM's hard wired outputs should be locked, but VSIM should be alive and responsive on the bus.
- A battery hard reset restores the VSIM functionality.

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, If VSIM Diagnostic Trouble Codes (DTC's) are present other than the ones listed above, record them on the repair order and repair as necessary before proceeding further with this bulletin.

If a customer's VIN is listed in VIP or your RRT VIN list, perform the repair. For all other customers that describe the symptom/condition, 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. If the flash cannot be restarted because the module is now in a non-responsive state then the module may need to be replaced. This is not a service tool issue.

1. Verify that the VSIM outputs are functioning normally.
 - a. YES>>> This Bulletin does not apply.
 - b. NO>>> Normal diagnosis should be performed. Proceed to [Step #2](#).
2. Use the wiTECH Diagnostic Application to reflash the VSIM. Help using the wiTECH Diagnostic Application for flashing the VSIM 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.
3. Clear any DTC's that may have been set in all modules due to reprogramming. The wiTECH application will automatically present all DTCs after the flash and allow them to be cleared.
4. Check that all VSIM functions have been restored.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
18-19-19-92	Module, Vehicle System Interface Module (VSIM) - Reprogram (1 - Semi-Skilled)	6 - Electrical and Body Systems	0.2 Hrs.

FAILURE CODE:

The dealer must choose which failure code to use. If the customer came in with an issue and the dealer found updated software to correct that issue, use failure code CC, for all other use failure code RF.

- If the customer's concern matches the SYMPTOM/CONDITION identified in the Service Bulletin, failure code CC is to be used.
- If an available flash is completed while addressing a different customer concern, failure code RF is to be used.

CC	Customer Concern
RF	Routine Flash