

Service Information

Workshop Equipment

Number: VSE-13-17

Subject: Programming Control Modules using wiTECH

Date: October 2, 2013



Note:

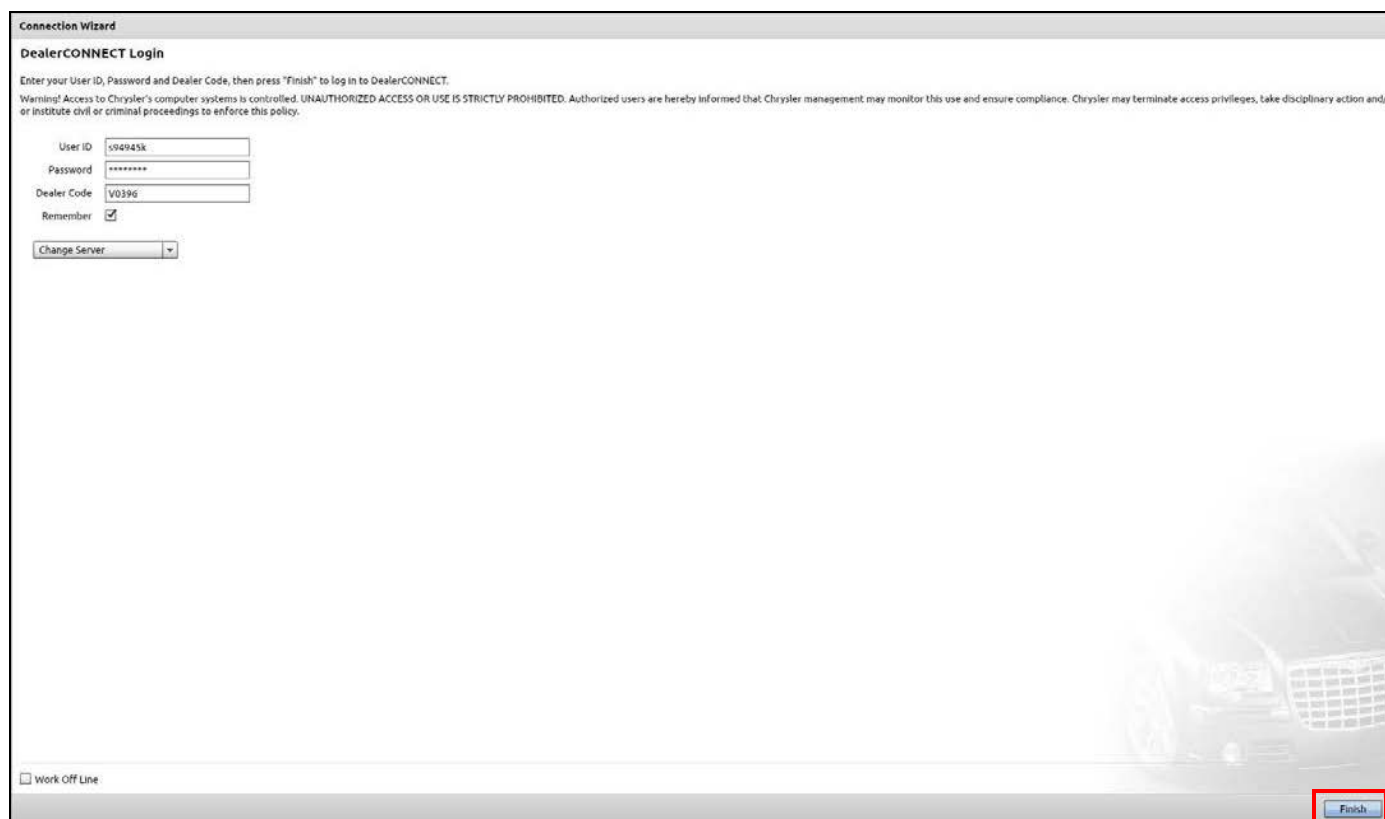
Be sure the wiTECH Desk Top client is at its latest version V13.04.7.

As of Sept 15th 2013 wiTECH V13-03.214 is incompatible and needs to be updated to avoid flash download errors.

Refer to VSE -13-14 for instructions on removing and installing latest version of wiTECH.

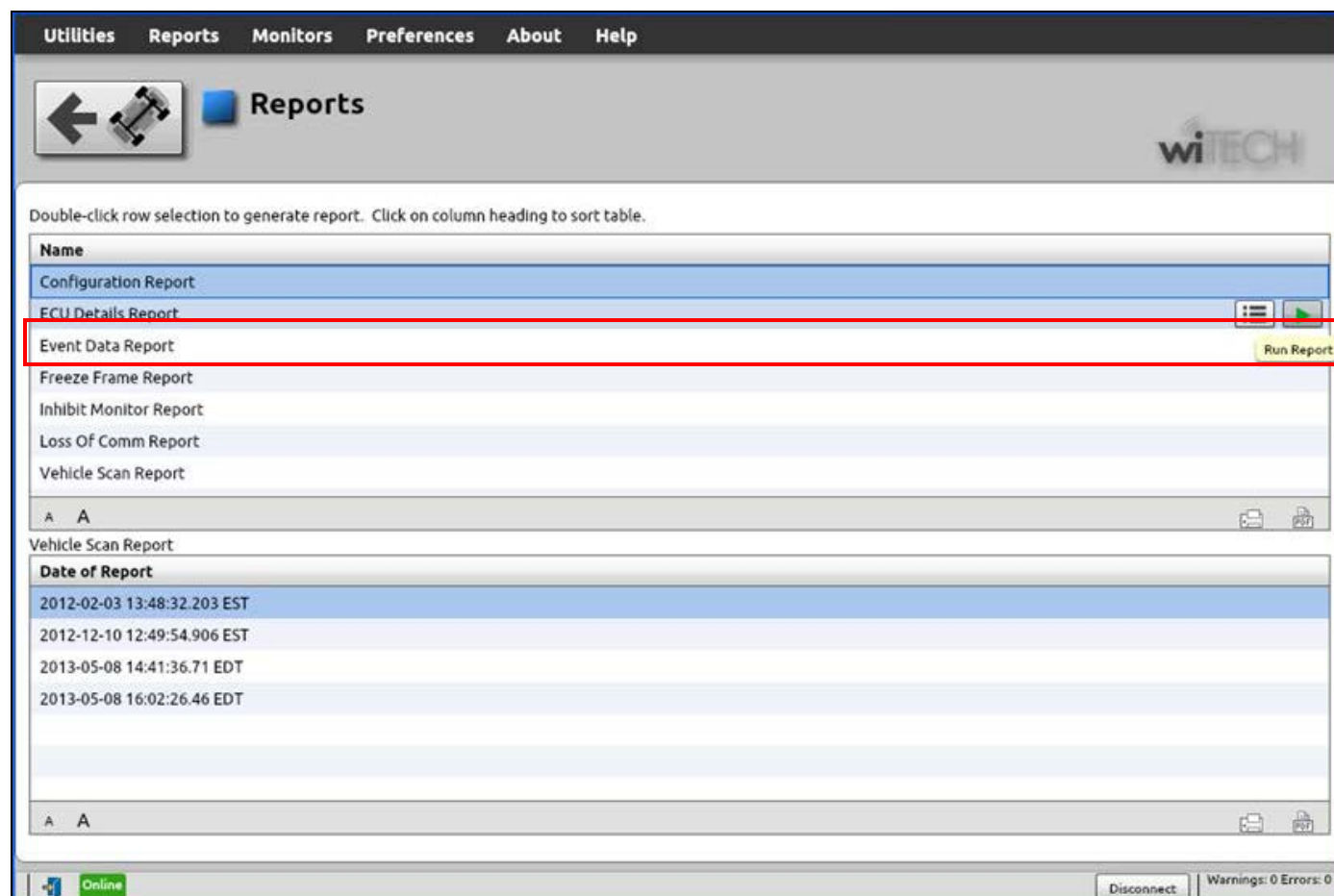
Procedure:

1. Connect STAR Mobile pass through to vehicle / Key On.
2. Launch wiTECH application on laptop.
3. Login to Dealer Connect and press Finish



Service Information

4. Select the Reports tab.
5. Record any DTCs by selecting and saving the Event Data Report.
6. Select the vehicle back button to go back to the home page.



Service Information

7. Click on the ECU to check the flash part number.



Tip:

During a programming event you may notice updated programming available for other control modules. Available updated programming **MUST** be supported by a technical bulletin which will contain the necessary labor operations and time units to be submitted for reimbursement.



Note:

Always connect a battery charger or maintainer when performing ECU updates.

Utilities
Reports
Monitors
Preferences
About
Help

Vehicle View
Roll over an ECU to see full name. Click on an ECU for complete details.

2012 RM 3.6L
VIN: 2C4RVADG7CR100080
Battery: 11.89 volts

The diagram shows a network of ECUs connected to a central TIPMCGW (Transmission Input/Output Module Control Gateway). The PCU (Powertrain Control Unit) is highlighted with a red box. Other ECUs include CCN, HFM, RADIO, HVAC, DMRR, PSDMR, BSM, PTS, HSM, SUNR, DMFR, DVD, VES2, VES3, SAS, ORC, WCM, TPM, ABS, PEM, DMFL, MSMD, FSM, PSDML, DMRL, AMP, and PLGM.

Legend
Active ECU
Non-responsive ECU
DTCs Present
ECU Not Built
Scanning ECU
Diag CAN-C
CAN-C
CAN-IHS

All DTCs
Diagnostic Procedures
Customer Preferences
Vehicle Preparations

Double-click row selection to view environmental data. Click on column heading to sort table.

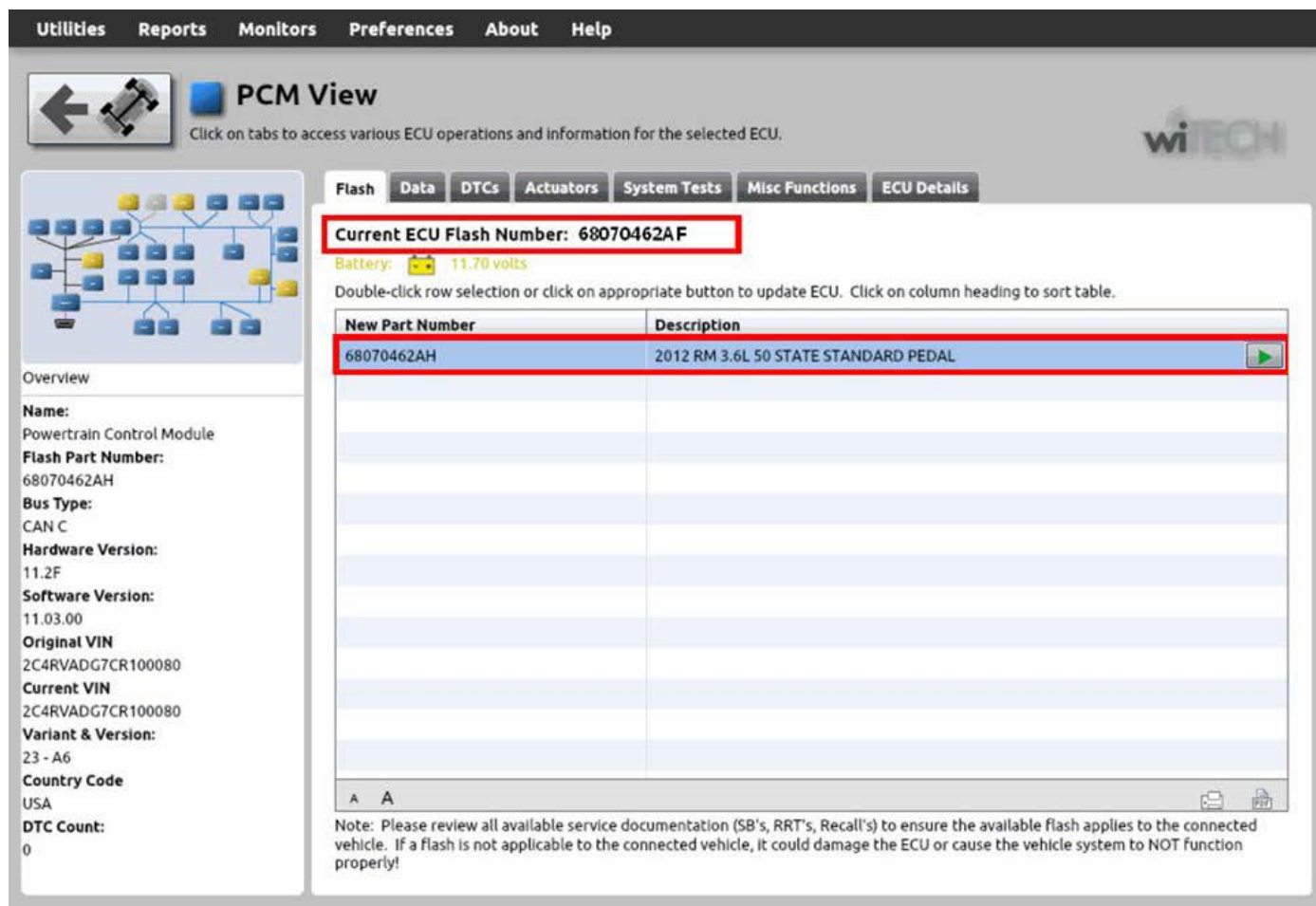
View Freeze Frame
 View Event Data
 Clear Stored DTCs

ECU	Code	Status	Description
ABS	C212A-16	Stored	System Voltage-Circuit Voltage Below Threshold
CCN	B168F	Stored	Front Fog Lamp Switch Circuit Stuck
HSM	R1F8A.1R	Stored	Rear Right Seat Heater Sensor Circuit Resistance Above Threshold

A
A

Service Information

8. Check the current ECU part number and compare to the New part Number.
9. If the number is the same the update is not needed.
10. Proceed with update if new part number supersedes current part number.
11. Highlight the flash file and then click on the arrow button at the end of the row to begin the reprogramming process.



The screenshot shows the 'PCM View' software interface. The top menu bar includes 'Utilities', 'Reports', 'Monitors', 'Preferences', 'About', and 'Help'. Below the menu is a navigation bar with tabs: 'Flash', 'Data', 'DTCs', 'Actuators', 'System Tests', 'Misc Functions', and 'ECU Details'. The 'Flash' tab is selected.

On the left side, there is a tree view of the vehicle's ECU system. Below it, the 'Overview' section displays the following information:

- Name:** Powertrain Control Module
- Flash Part Number:** 68070462AH
- Bus Type:** CAN C
- Hardware Version:** 11.2F
- Software Version:** 11.03.00
- Original VIN:** 2C4RVADG7CR100080
- Current VIN:** 2C4RVADG7CR100080
- Variant & Version:** 23 - A6
- Country Code:** USA
- DTC Count:** 0

The main area displays the 'Current ECU Flash Number: 68070462AF' and a battery status of 11.70 volts. Below this, a table lists available flash files:

New Part Number	Description
68070462AH	2012 RM 3.6L 50 STATE STANDARD PEDAL

A red box highlights the first row of the table. At the end of this row is a green arrow button. Below the table, a note states: 'Note: Please review all available service documentation (SB's, RRT's, Recall's) to ensure the available flash applies to the connected vehicle. If a flash is not applicable to the connected vehicle, it could damage the ECU or cause the vehicle system to NOT function properly!'.