

## SERVICE BULLETIN

Reference number:	SB-03-1481	Issued: 12 January, 2021
Subject:	Process to Update the V8 ECM Software	
Model(s):	DB11 V8, Vantage and DBX	
Applicable to:	All Dealers	
Distribute to:	After Sales Manager Executive Manager Service Manager Sales Manager	Warranty Staff Technician(s) Parts Staff

### Reason for this Service Bulletin

This bulletin gives the process for when you update the Engine Control Module (ECM) software for V8 engines.

Do the workshop procedure that follows:

### Workshop Procedure

**CAUTIONS:** CONNECT THE AMDS 2.0 EQUIPMENT TO AN ELECTRICAL SUPPLY WHEN YOU DO THE PROCEDURE THAT FOLLOWS. IF THE LAPTOP BATTERY VOLTAGE DECREASES DURING THE SOFTWARE UPDATE, THE UPDATE CAN FAIL AND CAN CAUSE DAMAGE TO THE MODULE.

**YOU MUST CONNECT A BATTERY CHARGER TO THE VEHICLE BEFORE YOU DO DIAGNOSTIC PROCEDURES. IF THE VEHICLE BATTERY VOLTAGE DECREASES DURING THE PROCEDURE, THE SOFTWARE UPDATE CAN FAIL AND CAN CAUSE DAMAGE TO THE MODULE.**

**Notes:** *Make sure that the vehicle has a minimum of half a tank of fuel before you do this procedure.*

*Make sure that the AMDS 2.0 software has updated to the latest version. The AMDS 2.0 software will need a good Internet connection (minimum broadband speed of 2 Mbit/second) to make sure that the software is updated correctly.*

*A high output battery charger (minimum of 80 A) is necessary to meet the demand of the radiator cooling fan. The battery charger must also be compatible with Absorbent Glass Mat (AGM) type batteries.*

1. Insert the vehicle key in the Electronic Ignition Switch (EIS).  
**Note: This step is only applicable to DB11 & Vantage.**
2. Set the ignition to on, but do not start the engine.
3. Connect the Vehicle Communication Interface (VCI) to the vehicle by using the Diagnostic Link Cable (DLC).
4. Start the AMDS 2.0 software and, if necessary, update to the latest version.
5. Before you update the ECM in AMDS 2.0 you must do a read and save of the injector coding.
6. In AMDS 2.0 click “Special Apps” (refer to Figure 1).

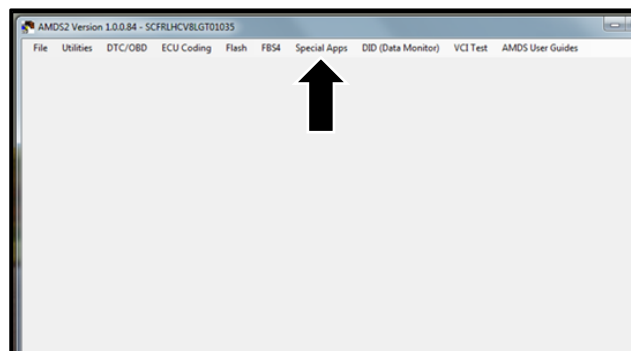


Figure 1

7. Select “ECM\_V8” then “OK” (refer to Figure 2).

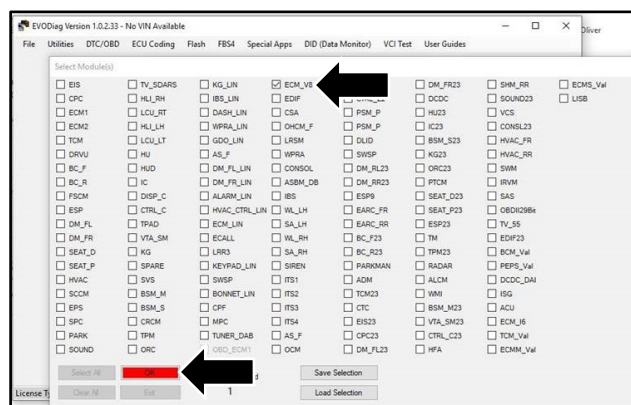


Figure 2

8. Select “Read from EMS” (refer to Figure 3).

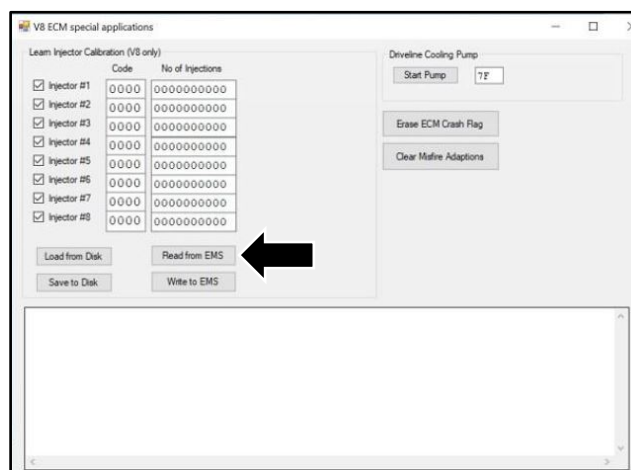


Figure 3

9. Select "Save to Disk" to store the injector coding (refer to Figure 4).

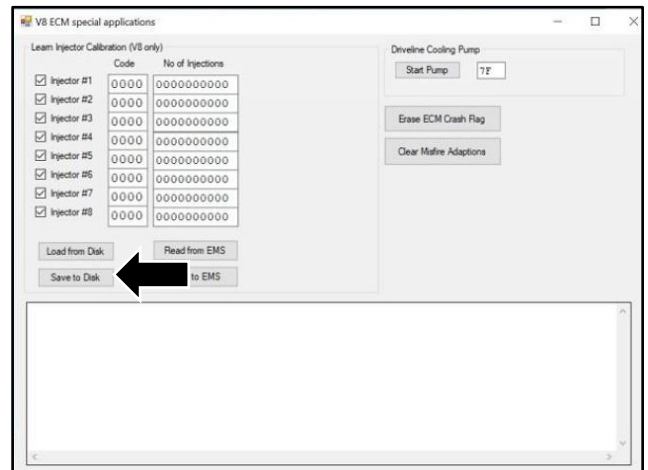


Figure 4

10. Select "Flash" (refer to Figure 5).

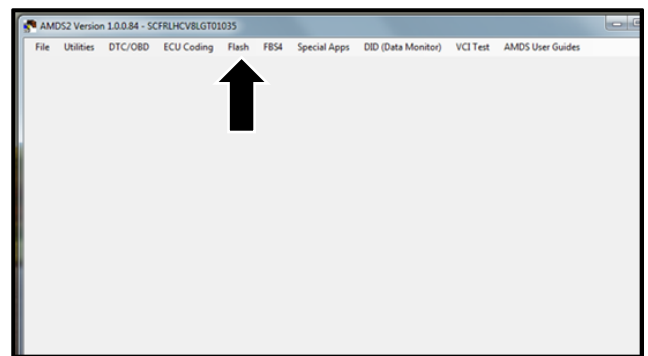


Figure 5

11. Select "ECM\_V8" and click "OK" (refer to Figure 6).

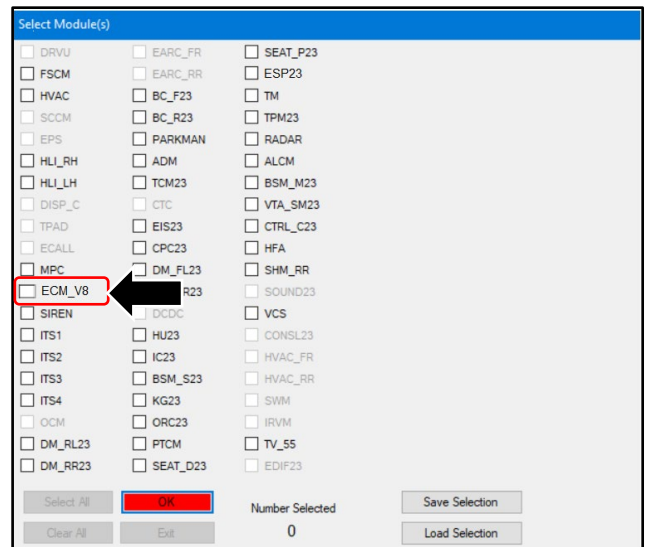


Figure 6

12. Select "Flash Download" (refer to Figure 7).

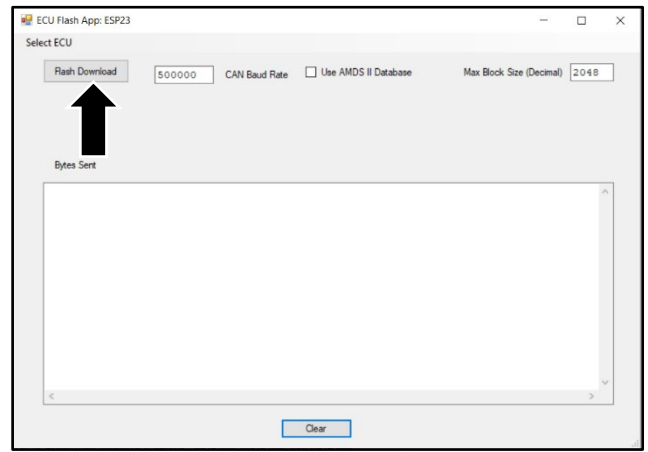


Figure 7

13. When the software update is complete, close the "Flash" window.

**Note:** The update is complete when "Post-programming sequence completed OK. VCI Disconnected. DRVU reset OK" is shown.

14. After you have flashed the ECM do a check to make sure the injector codes are shown. Select "Special Apps" (refer to Figure 8).

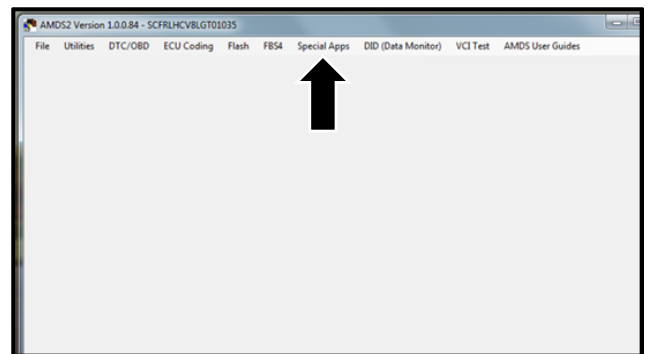


Figure 8

15. Select "ECM\_V8" then "OK" (refer to Figure 9).

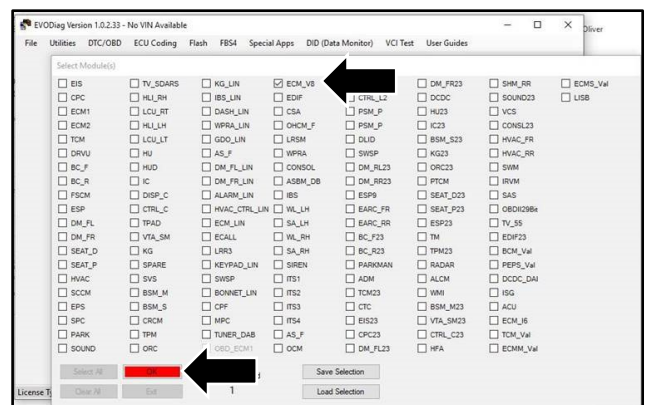


Figure 9

16. If the injector codes from step 8 are shown select "Write to EMS" (refer to Figure 10).

**Note: If the injector codes are not shown or show: 0000 select "Load from Disk" to load the injector codes from step 9 and then select "Write to EMS".**

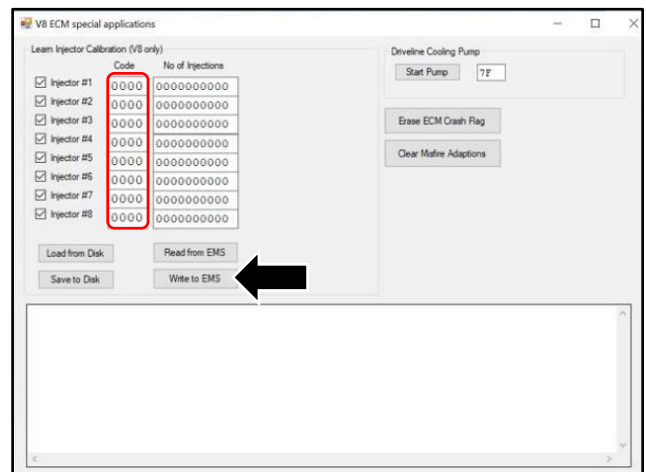


Figure 10

17. Select "DTC/OBD" (refer to Figure 11).

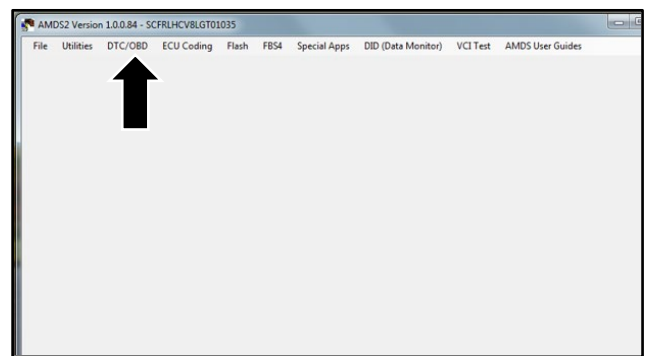


Figure 11

18. Select "Read DTC" (refer to Figure 12).

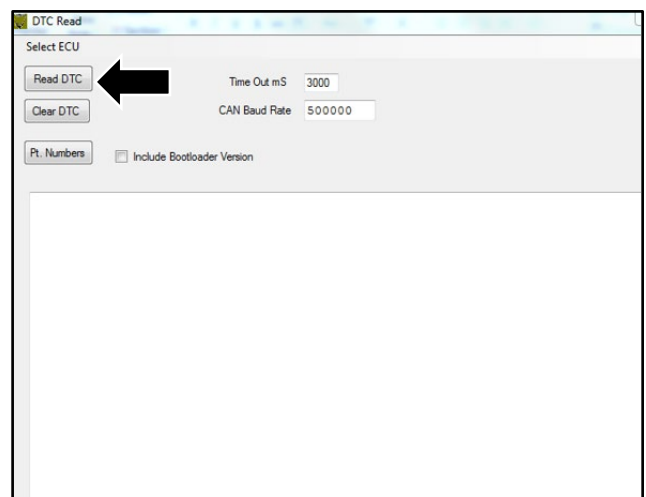


Figure 12

19. Use AMDS 2.0 to do a check and erase DTCs.
20. Set the ignition to OFF.
21. Wait a minimum of 20 minutes to let the ECM\_V8 fully shut down.
22. Start and let the engine run for 20 seconds.
23. Do the applicable procedure to learn engine misfire corrections.
  - For DBX refer to: SA-03-1447 (Part B: Procedure to Learn Engine Misfire Correction).
  - For DB11 V8 and Vantage refer to: SB-03-1141.

**Warranty Data****Procedure and Labour Time**

Description	Labour Time
Update the ECM_V8 Software.	0.3 hours

If you have any questions related to this document, please refer to the 'Contact Us' link on this webpage, or contact your local Dealer or After Sales Manager.

The English version of this document is written in Simplified Technical English to ASD-STE100™.