



SERVICE BULLETIN

Reference number:	SB-19-1072	Issued: 05 June, 2018
Subject:	AMDS procedure to code the SCN	
Model(s):	DB11	
VIN Range:	All DB11 vehicles	
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

Aston Martin has changed the Aston Martin Diagnostic System (AMDS) procedure to apply the Software Calibration Number (SCN) code. The changed procedure is easier to use and has “dynamic validation” of the software and hardware levels on a vehicle.

Do the procedure that follows to code the SCN onto a module if:

- A module is replaced.
- There are new vehicle options or regional market changes and Client Services tell you to do so.

Workshop Procedure

CAUTIONS: DO NOT APPLY SCN CODE TO AN ELECTRONIC CONTROL UNIT (ECU) UNLESS IT IS NEW OR CLIENT SERVICES TELL YOU TO.

MAKE SURE THAT THE MODULE SOFTWARE HAS THE NEWEST SOFTWARE RELEASE BEFORE THE SCN CODE IS APPLIED TO IT. IF YOU DO NOT, IT IS POSSIBLE THAT THE SCN CODE WILL NOT BE ACCESSED CORRECTLY.

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 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. Remove the armrest (standard armrest). Open the armrest to position “1” (powered armrest).
2. Remove the end cap from the vehicle key. Install the vehicle key in the Electronic Ignition Switch (EIS).
3. Turn the vehicle key clockwise to set the ignition to “On”.

CAUTION: MAKE SURE THAT THE IGNITION STAYS SET TO “ON” DURING THE FULL PROCEDURE. IF YOU DO NOT DO THIS, THE POWER SUPPLY TO SOME COMPONENTS OF THE VEHICLE’S ELECTRICAL SYSTEM CAN SHUT DOWN. IF THE SYSTEM VOLTAGE DECREASES DURING THE PROCEDURE, THE SOFTWARE UPDATE CAN FAIL AND CAN CAUSE DAMAGE TO THE SYSTEM.

Note: The “Start” button is disabled when the vehicle key is used to start the engine.

4. Connect the AMDS 2.0 equipment to the vehicle. Make sure that the laptop is connected to an electrical supply during the procedure.
5. When the AMDS 2.0 software has identified the vehicle’s VIN, navigate to the home page of AMDS 2.0.
6. Select ECU Coding (refer to Figure 1).



Figure 1

7. Select Module to code and select ‘OK’ (refer to Figure 2).

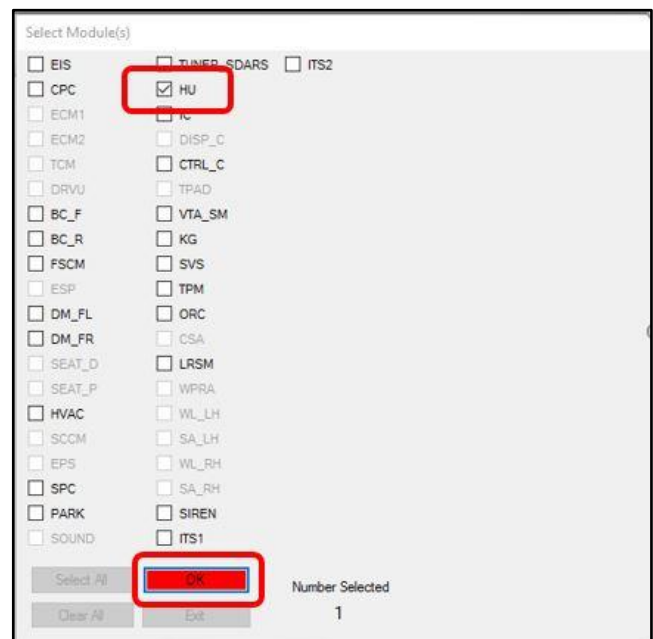


Figure 2

- 8. Select 'Get coding from AML Server' (refer to Figure 3).

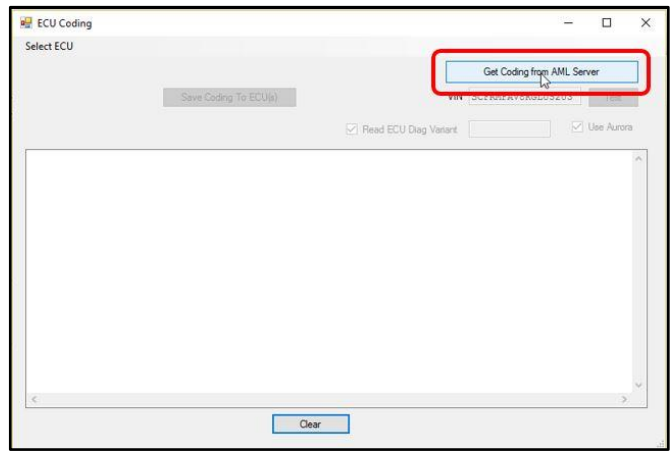


Figure 3

- 9. Success message will appear. Select "OK" (refer to Figure 4).

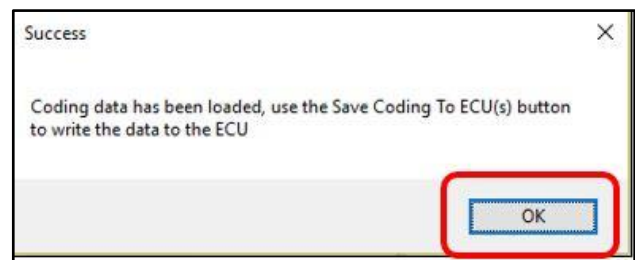


Figure 4

- 10. Coding will be in the scroll window (refer to Figure 5).

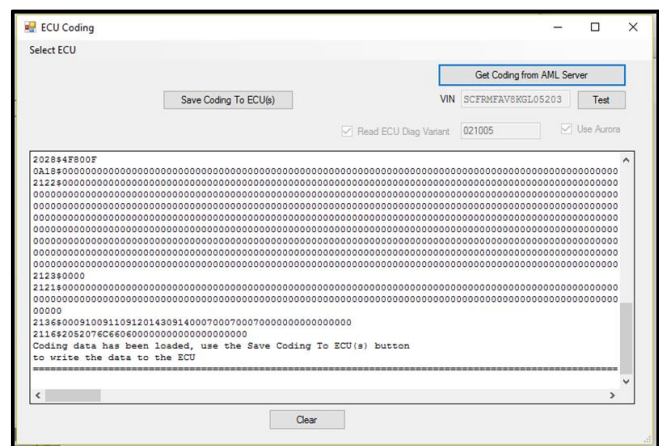


Figure 5

- 11. Select 'Save Coding to ECU(s)' (refer to Figure 6).

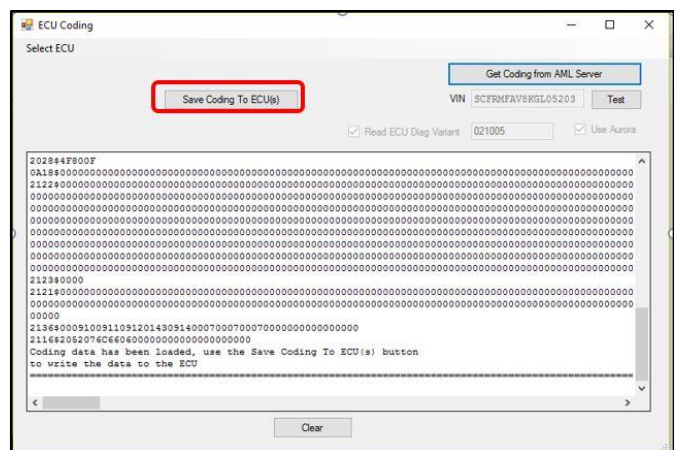


Figure 6

12. Select "Yes" (refer to Figure 7).

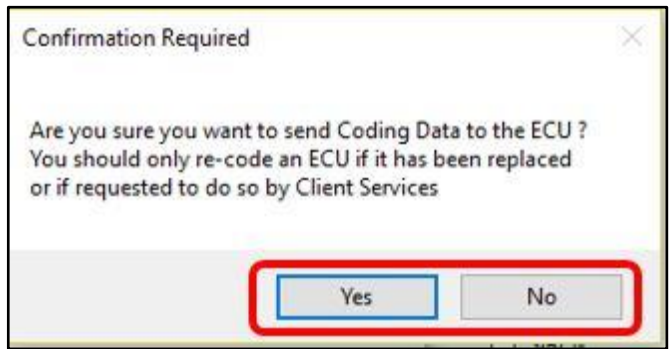


Figure 7

13. Coding will start writing process (refer to Figure 8).

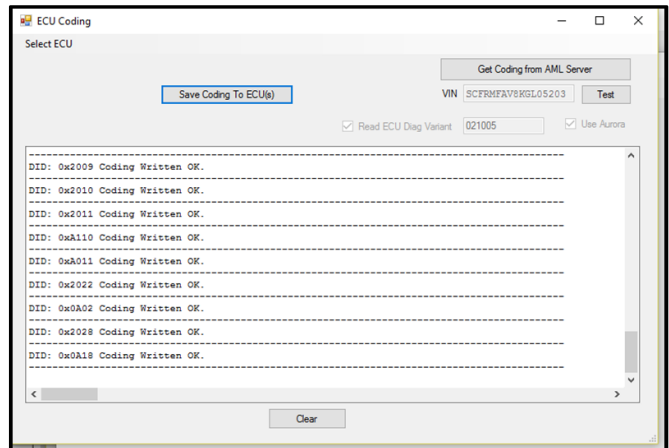


Figure 8

14. End of coding download will have a finished message (refer to Figure 9).

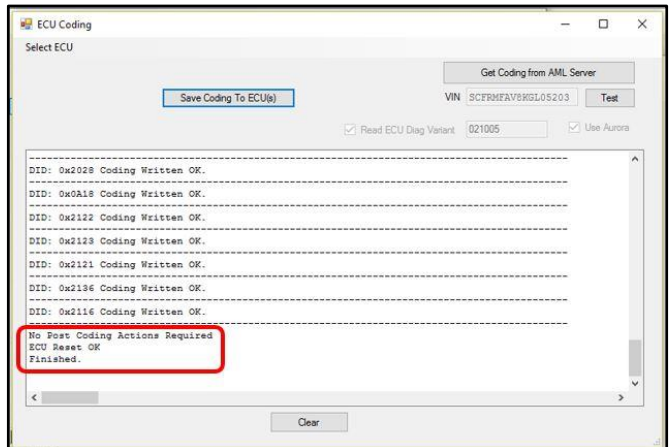


Figure 9

15. When the procedure is completed do a check for Diagnostic Trouble Codes (DTCs) stored by other modules.
16. Erase all the DTCs that the modules have stored.
17. Set the ignition to "Off".
18. Remove the vehicle key and install the key cap.
19. Install or close the armrest.
20. Disconnect the AMDS 2.0 equipment and the battery charger.

Warranty Data**Procedure and Labour Time**

Description	Labour Time	ROT Code
AMDS procedure to code the SCN	0.2 hours	00.06.AH

If you have any questions related to this Service Bulletin, please contact: Aston Martin Technical Services
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Or contact your After Sales Manager.

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