

SERVICE ACTION

Reference number:	SA-61-1429	Issued: 30 September, 2020
Subject:	Introduction of Apple CarPlay	
Model(s):	DBX	
VIN Range:	Refer to the separately published list of affected Vehicle Identification Numbers (VINs)	
Applicable to:	All	
Distribute to:	After Sales Manager Executive Manager Service Manager Sales Manager	Warranty Staff Technician(s) Parts Staff

Reason for this Service Action

Aston Martin is pleased to announce a new software for the Head Unit (HU) which includes the introduction of Apple CarPlay.

Do the workshop procedure that follows to update the HU software.

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 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.

You will need a USB device that has a minimum of 3.4 GB storage space to do parts of this software update procedure.

Make sure that the USB device does not have files on it from other software updates.

1. On Technical Hub, navigate to 'Technical Communications > Campaigns > Campaign Support Files' and download the below ZIP files.

Title	Source ID
SA-QN-61-1429 Software part 1/2	SAQN611429zip1
SA-QN-61-1429 Software part 2/2	SAQN611429zip2

2. Extract the files from the ZIP files.

3. Make sure that there are no other files from previous updates on the USB device.
4. Copy the extracted files on to the USB device. (refer to Figure 1).

Note: Make sure that the files are copied to the top level of the USB device. Do not copy the files into a subfolder.

Name	Date modified	Type	Size
SWDL_2StepUpdate.txt	11/12/2018 13:21	Text Document	0 KB
0939023800_203200.bin	04/06/2020 04:19	BIN File	2,080,242 ..
0939024100_201910.bin	05/05/2020 08:17	BIN File	409,601 KB
0939031600_203200.bin	04/06/2020 04:17	BIN File	307,903 KB
0939031700_195100.bin	18/12/2019 05:33	BIN File	357,348 KB
0939031800_203200.bin	04/06/2020 05:56	BIN File	309,355 KB
0939040600_190200.bin	15/05/2019 07:32	BIN File	48,608 KB
FW_NT55_213_HU55_DOM1_EB31_0_09..	10/06/2020 09:04	ODXF File	11 KB
FW_NT55_222_HU55_BOOT_EB30_0_093..	10/06/2020 09:08	ODXF File	7 KB
FW_NT55_222_HU55_CLP_EB31_0_0930..	26/06/2020 08:28	ODXF File	7 KB
FW_NT55_222_HU55_CODE_EB32_0_093..	10/06/2020 09:03	ODXF File	7 KB
FW_NT55_222_HU55_HMI_EB32_0_0939..	10/06/2020 09:04	ODXF File	7 KB
FW_NT55_222_HU55_USC_EB32_0_0939..	10/06/2020 09:04	ODXF File	7 KB

Figure 1

5. Place the vehicle key in the space (A). (refer to Figure 2).



Figure 2

6. Set the ignition to ON but do not start the engine.
7. Connect the Vehicle Communication Interface (VCI) to the vehicle with the Diagnostic Link Cable (DLC).
8. Start the AMDS 2.0 software and, if necessary, update to the latest version.
9. In AMDS 2.0 click the "Special Apps" button (refer to Figure 3).

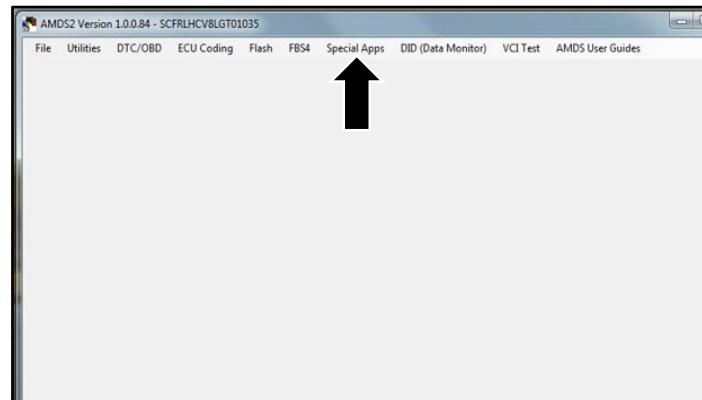


Figure 3

10. Select the "HU23" module then click the "OK" button (refer to Figure 4).

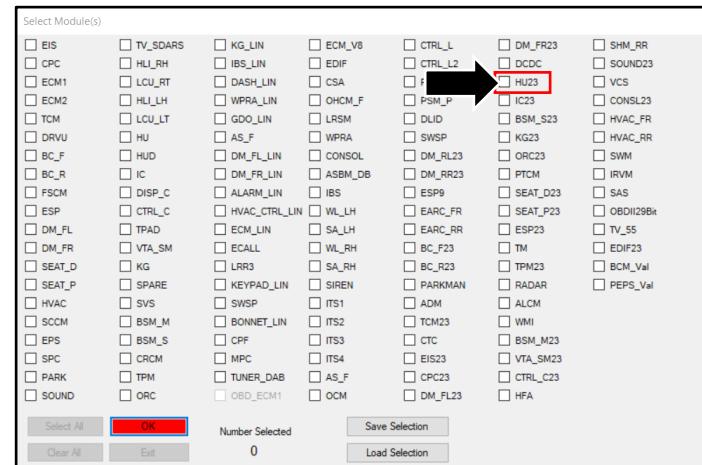


Figure 4

11. Select 'Read Engineering Mode' (refer to Figure 5).

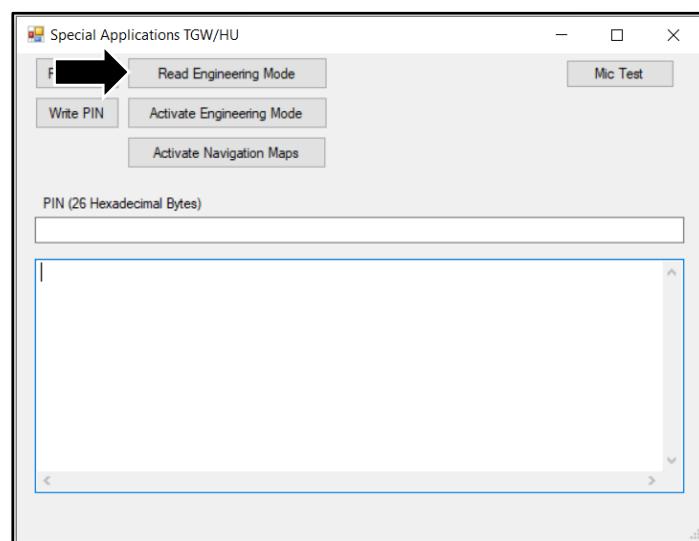


Figure 5

12. Select 'Activate Engineering Mode' (refer to Figure 6).

Note: The HU will start again.

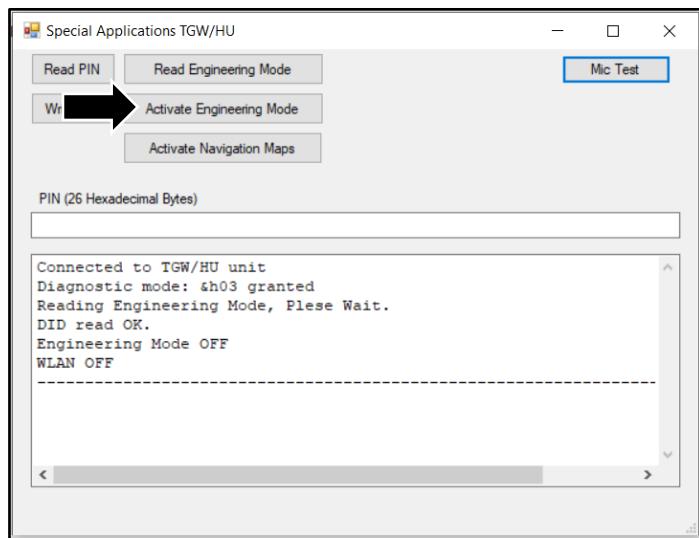


Figure 6

13. Check Engineering mode is active (refer to Figure 7).

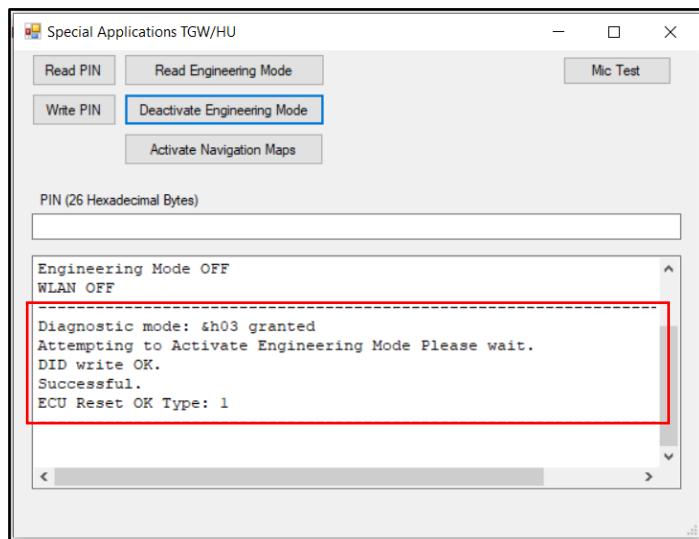


Figure 7

14. Disconnect the (VCI) from the vehicle and shut down AMDS 2.0.

15. Install the USB device into a vehicle USB port.

Note: Make sure that there are no other USB devices connected to USB ports in the vehicle.

16. In the Head Unit home screen, go to the 'System' icon, but do not select. (refer to Figure 8).

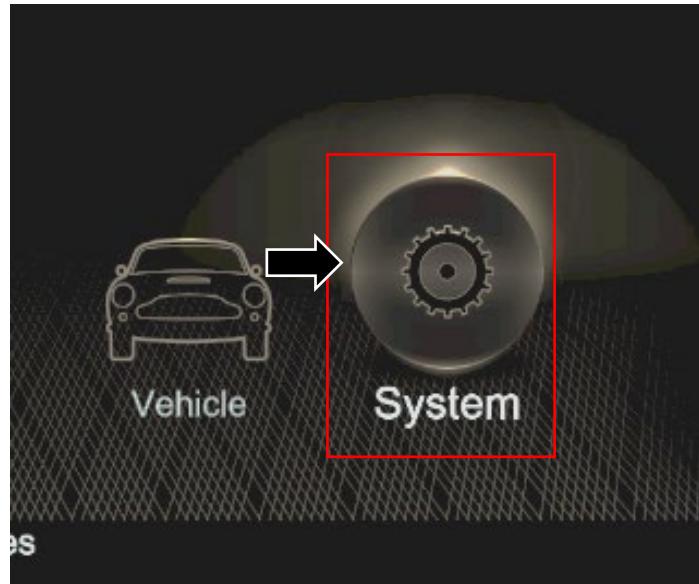


Figure 8

17. Press and hold 'Enter' on the Control Dial for a minimum of 6 seconds. The screen will display engineering mode.

Note: If engineering mode is not displayed, it may not be activated. Check the parameter using AMDS 2.0 and repeat this process.

18. Select '6. Update' (refer to Figure 9).

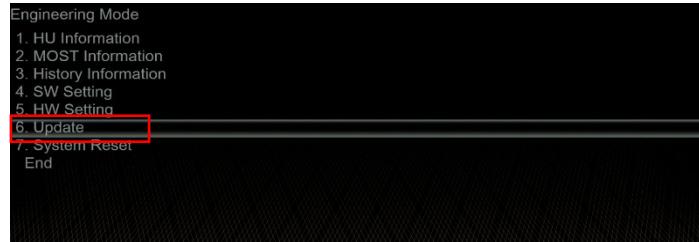


Figure 9

19. Select '6.1 Software Update' (refer to Figure 10).

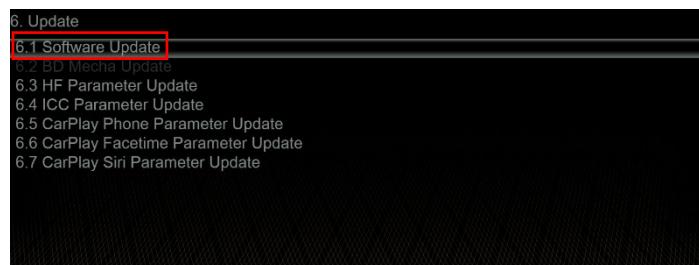


Figure 10

20. The HU will go into 'Bootloader active' mode.

The software version number will be shown.
(refer to Figure 11).

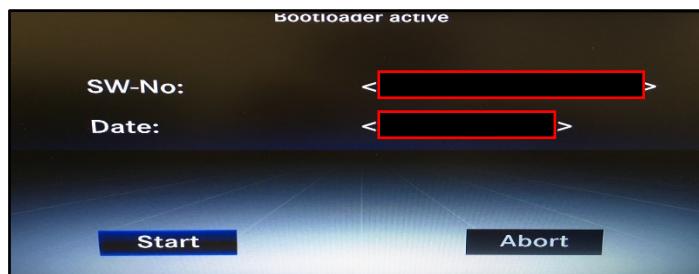


Figure 11

21. Select 'Start' to begin the update. (refer to Figure 12).

CAUTIONS: SWITCH THE IGNITION ON EVERY 15 MINUTES TO KEEP POWER SUPPLY TO THE HU WHEN YOU DO THIS UPDATE. IF YOU DO NOT, THE UPDATE PROCESS WILL NOT COMPLETE CORRECTLY.

DO NOT REMOVE THE USB DEVICE WHEN YOU DO THIS UPDATE. IF YOU DO, THE UPDATE PROCESS WILL NOT COMPLETE CORRECTLY.

Notes: Push left on the control dial to change selection.

The display will show which part of the software is being downloaded. Ignore all messages during this update.

The update will take approximately 40 minutes.

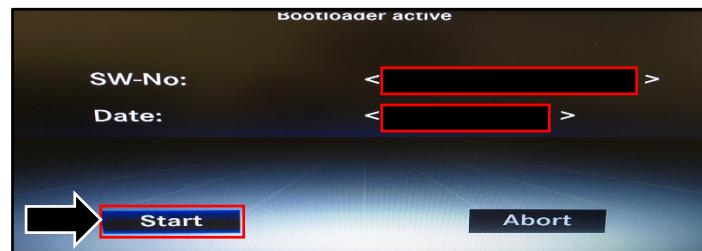


Figure 12

22. When the update has completed and the icons display on the screen, remove the USB device from the vehicle.

23. Connect the Vehicle Communication Interface (VCI) to the vehicle with the Diagnostic Link Cable (DLC).

24. Start the AMDS 2.0 software and, if necessary, update to the latest version.

25. In AMDS 2.0 click the "Special Apps" button (refer to Figure 13).



Figure 13

26. Select the "HU23" module then click the "OK" button (refer to Figure 14).

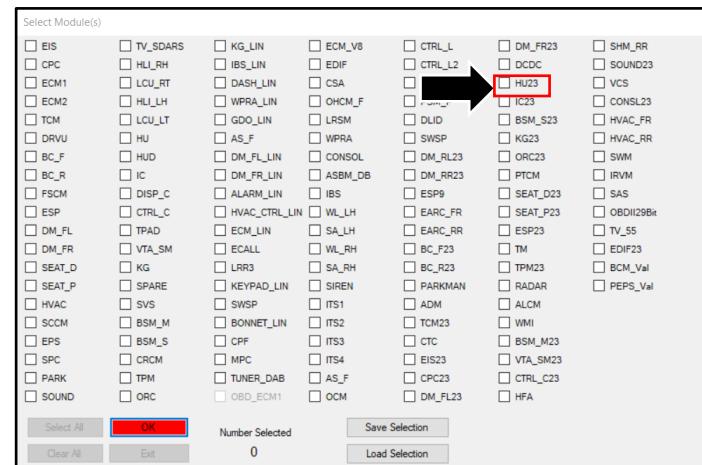


Figure 14

27. Select 'Read Engineering Mode' (refer to Figure 15).

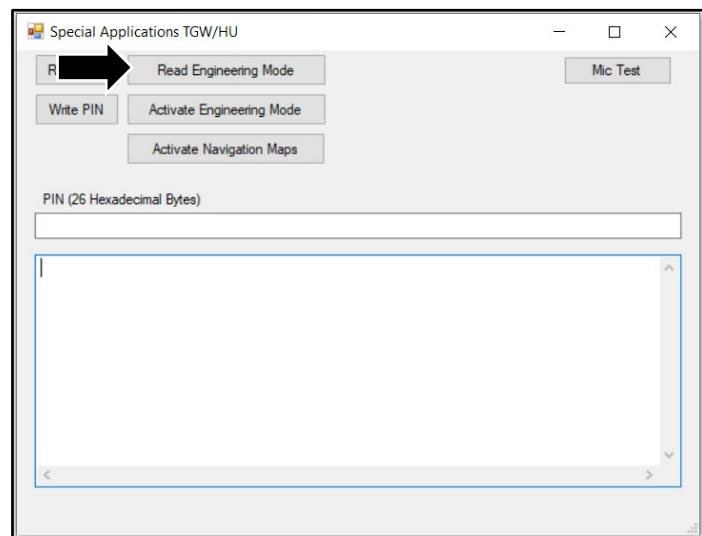


Figure 15

28. Select 'Deactivate Engineering Mode' (refer to Figure 16).
Note: The HU will start again.

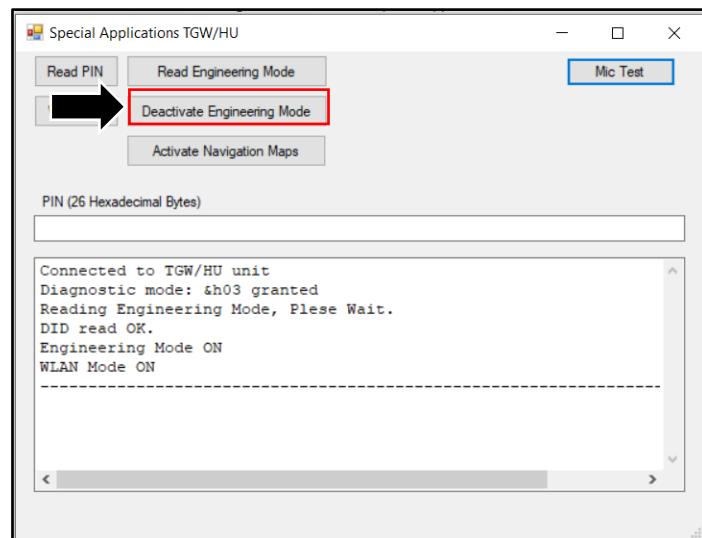


Figure 16

29. Check 'Engineering Mode' is off. (refer to Figure 17).

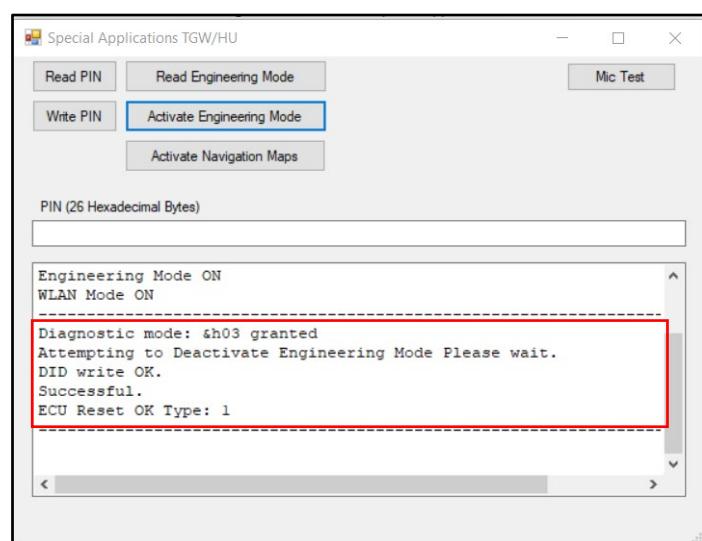


Figure 17

30. Select 'ECU Coding'. (Refer to Figure 18).



Figure 18

31. Select the "HU23" module then click the "OK" button (refer to Figure 19).

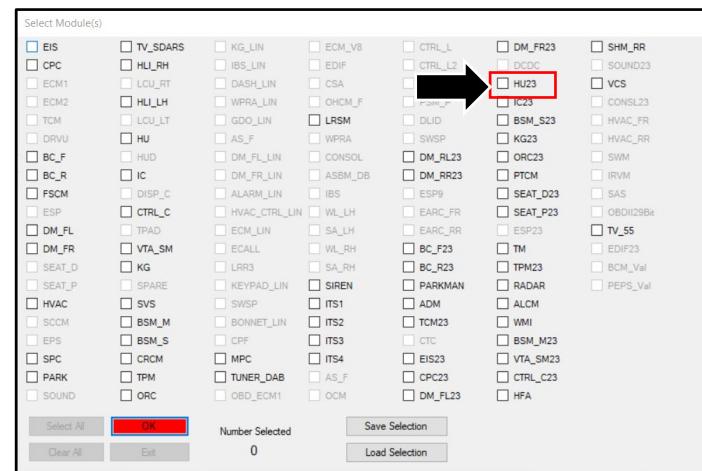


Figure 19

32. Select "Get coding from AML Server" (refer to Figure 20).

Coding will appear in the main display.

Note: Make sure the correct VIN is displayed.

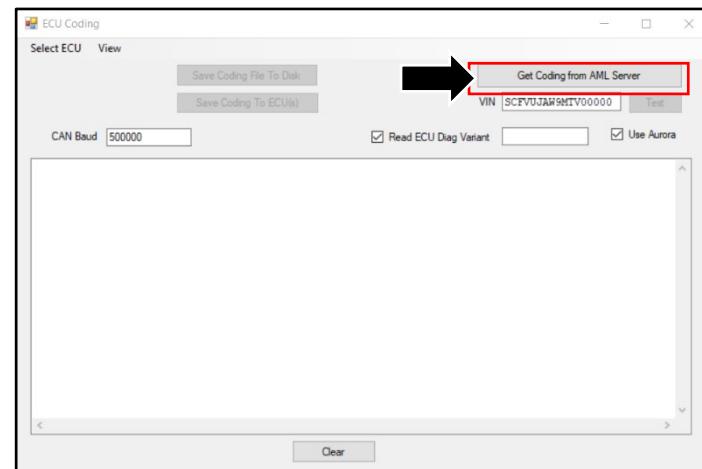


Figure 20

33. Select “Save Coding To ECU(s)” (refer to Figure 21).

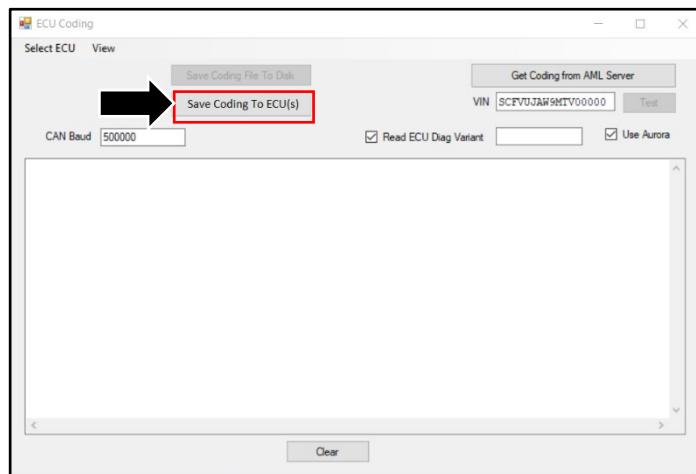


Figure 21

34. Click the “DTC/OBD” button (refer to Figure 22).

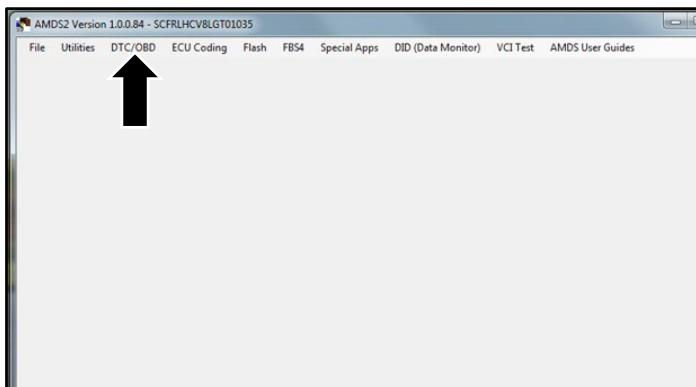


Figure 22

35. In the “DTC Read” window, click the ‘Read DTC’ button, (refer to Figure 23).

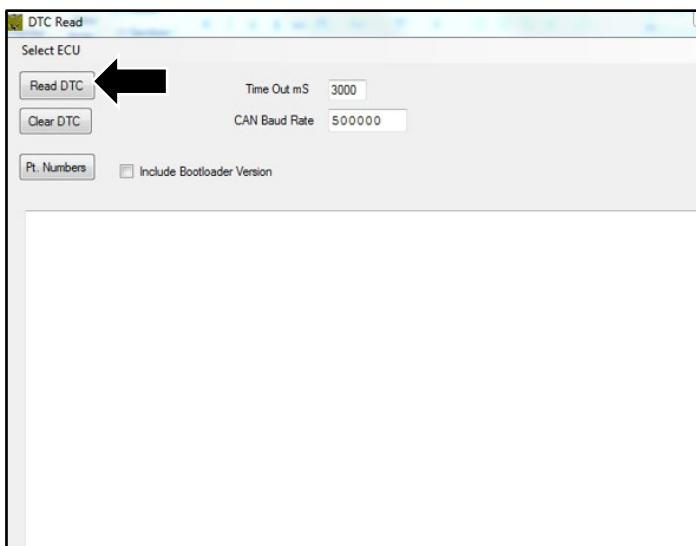


Figure 23

36. Check to make sure there are no diagnostic trouble codes (DTCs) stored for the HU module.
37. Disconnect the (VCI) from the vehicle and shut down AMDS 2.0.

38. In the Head Unit home screen, check that the 'Connect' icon is shown. (refer to Figure 24).

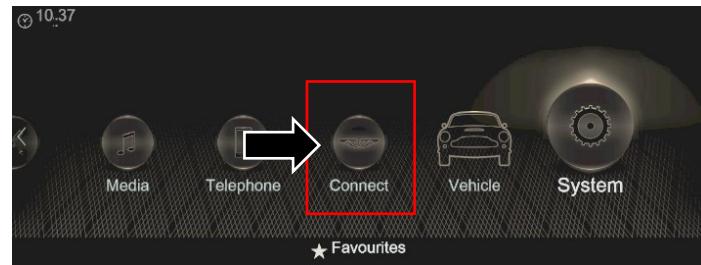


Figure 24

39. Set the ignition to Off.

Warranty Data

Procedure and Labour Time

Description	Labour Time
Head Unit Software Update.	0.7 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 Service Action is written in Simplified Technical English to ASD-STE100™.