

SERVICE ACTION

Reference number:	SA-41-1568	Issued: 18 November, 2021
Subject:	Flash the eARC Module	
Model(s):	DBX	
VIN Range:	Refer to the separately published list of affected Vehicle Identification Numbers (VINs)	
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 Action

Aston Martin has released a software update for the Electronic Anti Roll Control (eARC) module.

Do the workshop procedure that follows to flash the eARC module.

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 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. Set the ignition to on but do not start the engine.
2. Connect the Vehicle Communication Interface (VCI) to the vehicle by using the Diagnostic Link Cable (DLC).
3. Start the AMDS 2.0 software and, if necessary, update to the latest version.
4. Select “Flash” (refer to Figure 1).

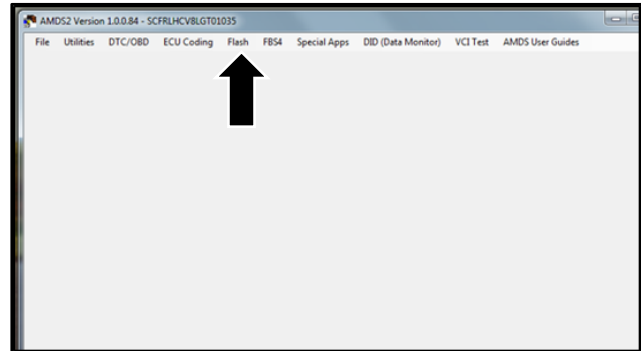


Figure 1

5. Select the “EARC_FR” module then click “OK” (refer to Figure 2).

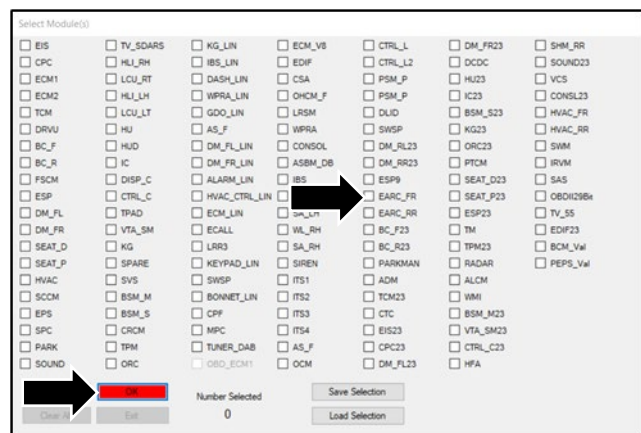


Figure 2

6. Select “Flash Download” (refer to Figure 3).

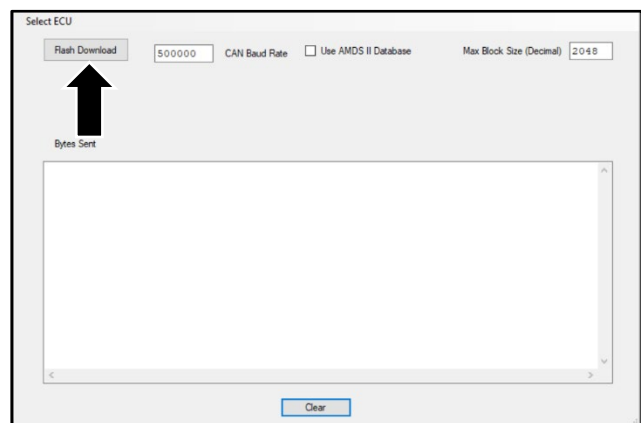


Figure 3

7. When the software update is complete, close the “Flash” window.

Note: The update is complete when “Post-programming sequence completed OK.”

8. Select "Flash" (refer to Figure 4).

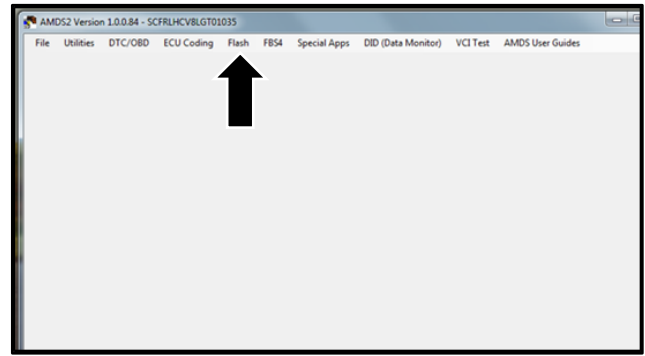


Figure 4

9. Select the "EARC_RR" module then click "OK" (refer to Figure 5).

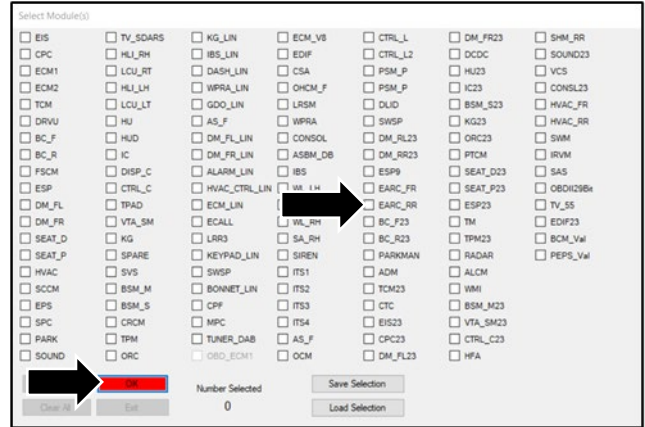


Figure 5

10. Select "Flash Download" (refer to Figure 6).

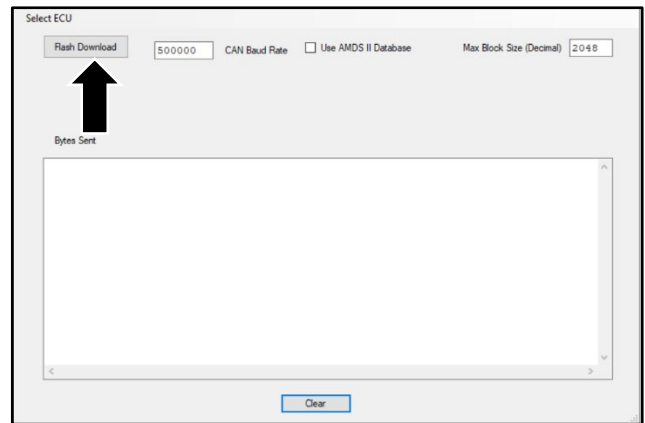


Figure 6

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

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

12. Select "DTC/OBD" (refer to Figure 7).

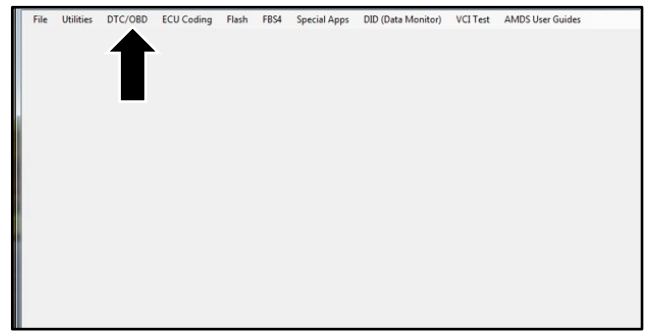


Figure 7

13. Select "Read DTC" (refer to Figure 8).

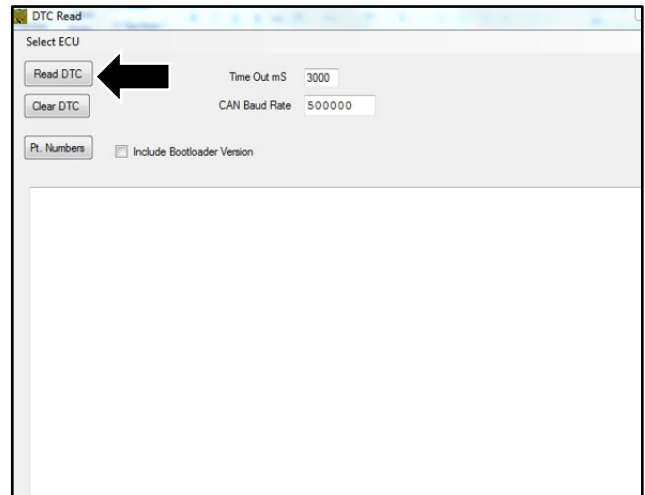


Figure 8

- 14. Make sure there are no Diagnostic Trouble Codes (DTCs) stored for the "EARC_FR" and "EARC_RR" modules.
- 15. Set the ignition to off.
- 16. Disconnect the VCI from the vehicle and shut down AMDS 2.0.

Warranty Data

Procedure and Labour Time

Description	Labour Time
Flash the EARC modules	0.2 hours

Please Note:

When you have completed this Service Action, make sure that you make an entry in Section A of the Vehicle Owner's Guide to show that the procedure is completed.

Yours faithfully

John Cranfield

Senior Manager - Client Technical Services

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™.