

SERVICE ACTION

Reference number:	SA-19-1265	Issued: 24 June, 2019
Subject:	DSC Software Update	
Model(s):	Vanquish Zagato Shooting Brake	
VIN Range:	Refer to the separately published VIN list	
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

The Dynamic Stability Control (DSC) on some Vanquish Zagato Shooting Brake vehicles has its parameters set for the Coupe model. This procedure updates the DSC software from F06 level to F07 level.

Workshop Procedure

This Workshop Procedure has the parts that follow:

- **Part A – Car Config update**
- **Part B – DSC software update**

CAUTIONS: CONNECT A BATTERY CHARGER TO THE VEHICLE BATTERY WHEN YOU DO THE PROCEDURE THAT FOLLOWS. IF THE VEHICLE BATTERY DISCHARGES DURING THE PROCEDURE, THE SOFTWARE UPDATE CAN FAIL. THIS CAN CAUSE DAMAGE TO THE ENGINE MANAGEMENT SYSTEM (EMS).

CONNECT THE AMDS 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.

Notes: *A high output battery charger (minimum of 80 A) is necessary to meet the demand of the radiator cooling fan.*

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

Part A – Car Config update

1. Connect the VCI to the OBD II ports on the vehicle.
2. Start the AMDS software and update to latest version, if necessary.
3. On the main menu, click "Flash".

- Click "CAR CONFIG" (refer to Figure 1).

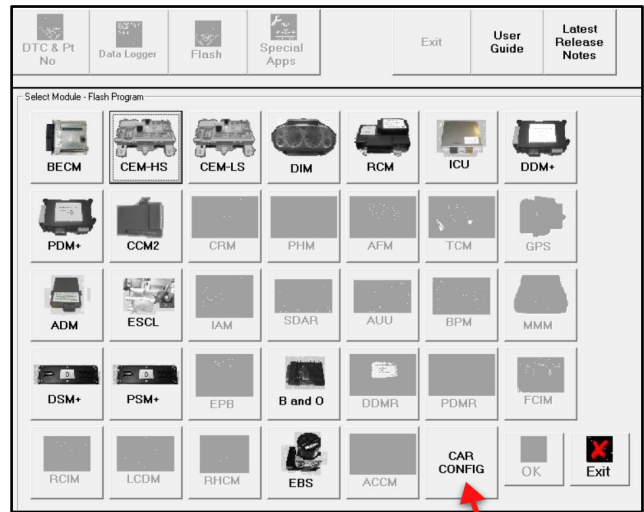


Figure 1

- Click "OK" to install the new Car Config data.
- Click "DCS" to download the Car Config from DCS (refer to Figure 2).

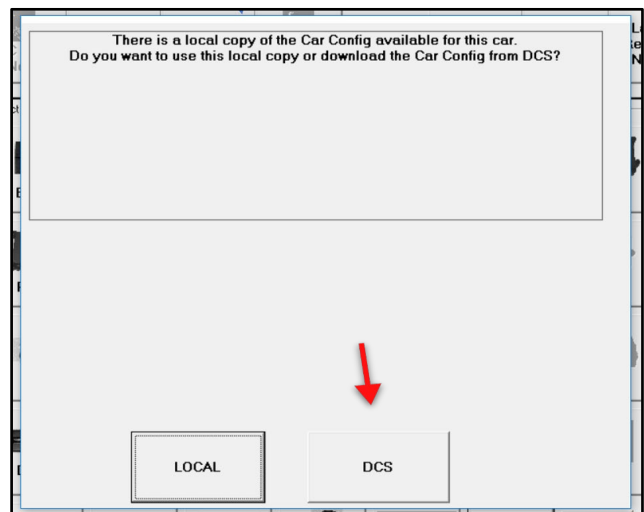


Figure 2

- Log in to the amdealers.com portal (refer to Figure 3).

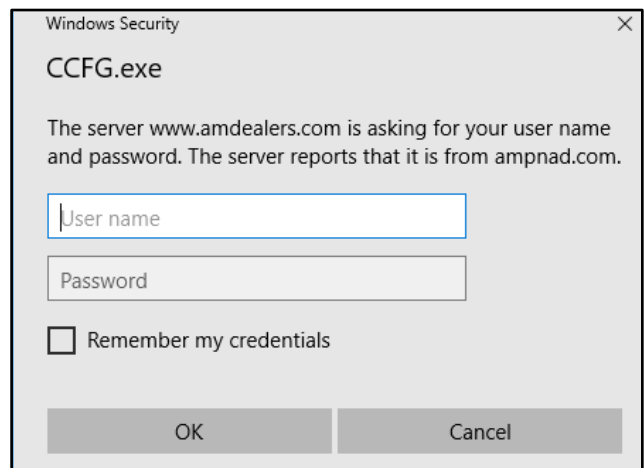


Figure 3

8. Click “Service Bay Tools” then “Download Car Config” (refer to Figure 4).

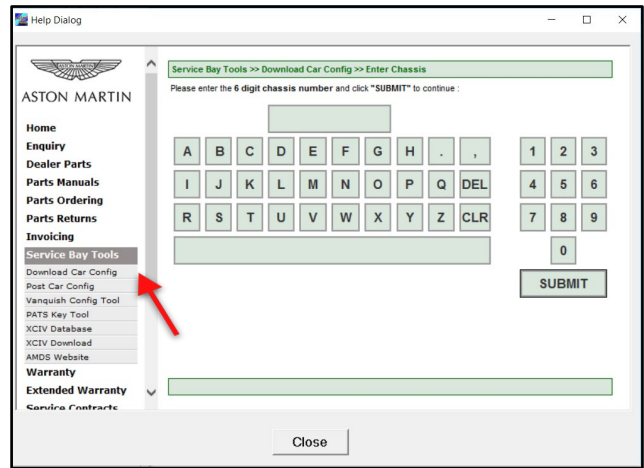


Figure 4

9. Enter the last 6 digits of the vehicle’s VIN and click “SUBMIT”.
10. Click “DOWNLOAD CONFIG FILE” (refer to Figure 5).

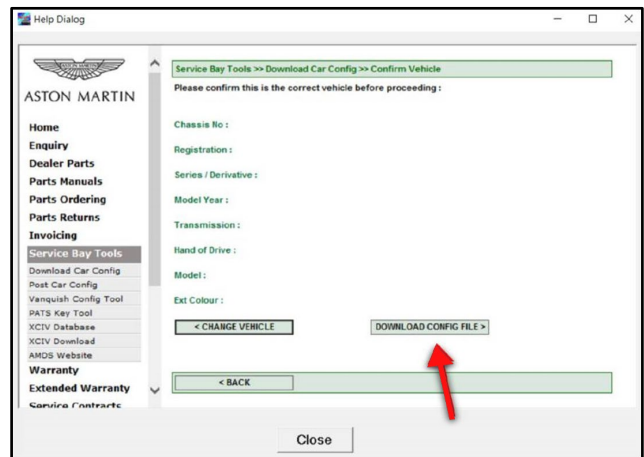


Figure 5

11. In the next pop-up window, follow the instructions to install the Car Config file (refer to Figure 6).

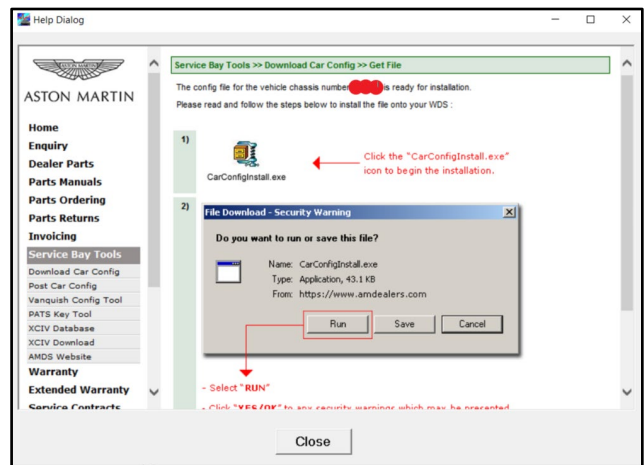


Figure 6

12. In the next two pop-up windows, click “No” (refer to Figure 7).

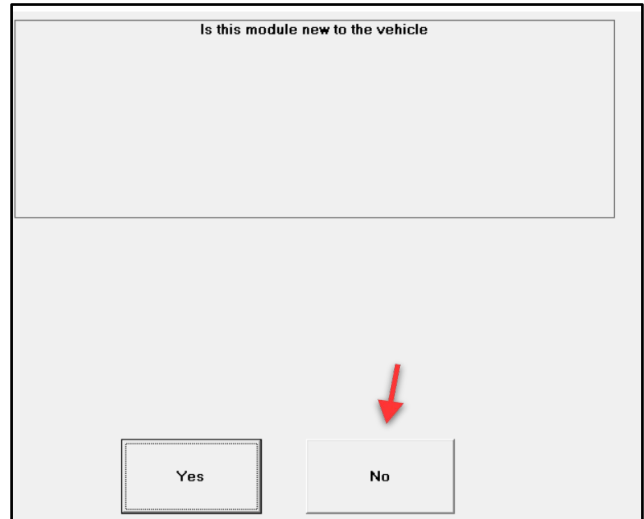


Figure 7

13. In the final pop-up window click “Yes” (refer to Figure 8). The Car Config file will be updated.

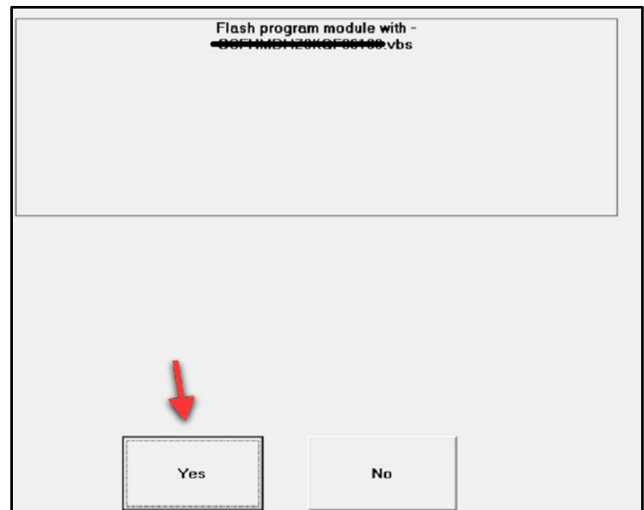


Figure 8

14. Once the flash update is complete, click “OK” (refer to Figure 9).

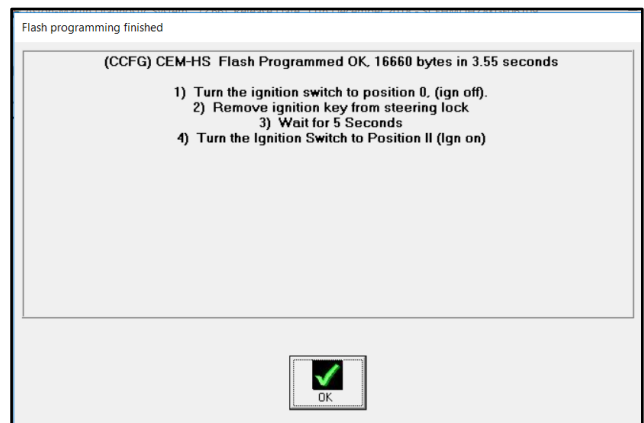


Figure 9

Part B – DSC software update

15. Click “Flash”.
16. From the Flash menu, press “ALT” on the keyboard and click “EBS” (refer to Figure 10).

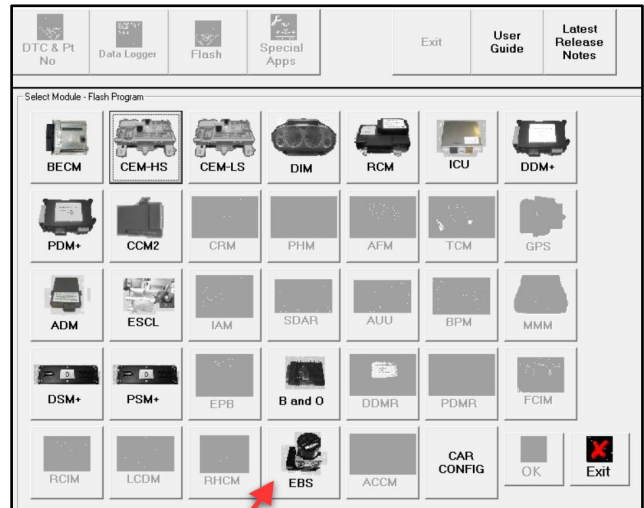


Figure 10

17. Type “HL4RBH00016.VBS” in the pop-up window (refer to Figure 11). Click “OK”. The software will update.

Note: *Type in capital letters.*

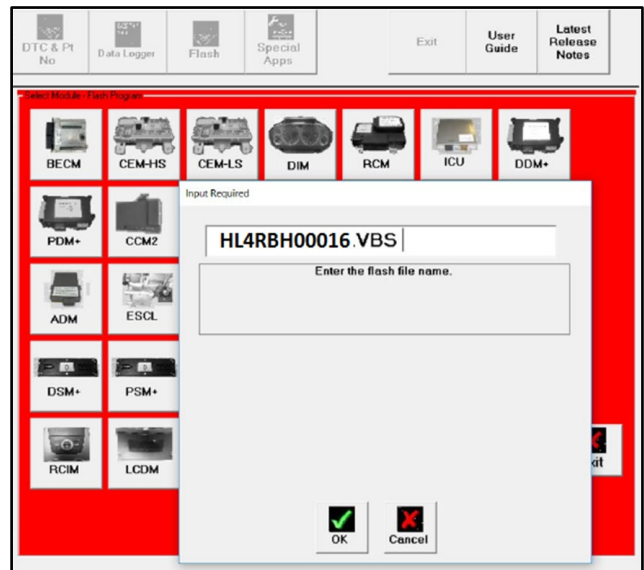


Figure 11

Note: *After the DSC software is updated, you must do the procedure that follows to calibrate the sensors.*

18. Make sure that the vehicle is parked on level ground.

Notes: *The calibration procedure must be done with the vehicle parked on level ground. This is important to make sure that the calibration procedure is completed accurately.*

In the procedure that follows, you will need to turn the steering wheel. Obey the instructions from AMDS at the correct time.

19. Click "Special Apps" (refer to Figure 12).

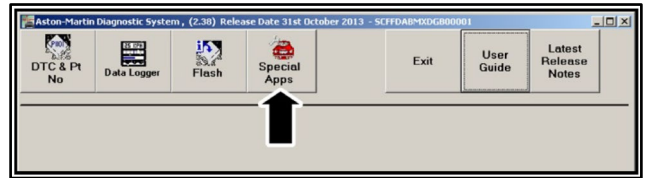


Figure 12

20. Click "DSC Utilities" (refer to Figure 13).

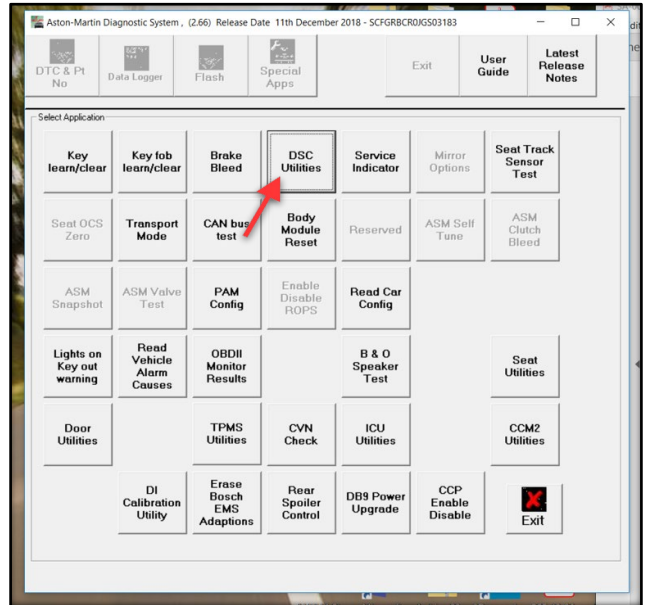


Figure 13

21. Select "Lateral Acceleration Sensor" (refer to Figure 14).

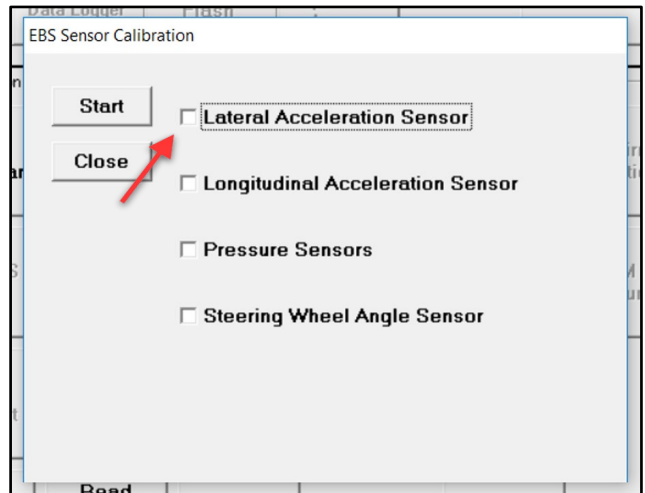


Figure 14

22. Click "Start" to start the calibration procedure.

23. Select "Longitudinal Acceleration Sensor" (refer to Figure 15).

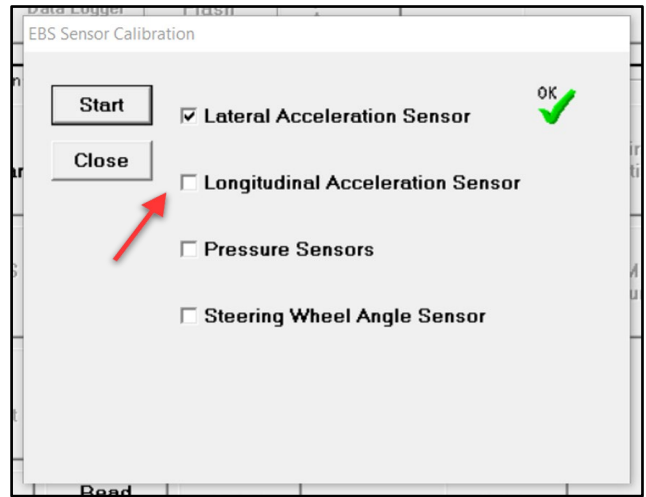


Figure 15

24. Click "Start" to start the calibration procedure.

25. Select "Pressure Sensors" (refer to Figure 16).

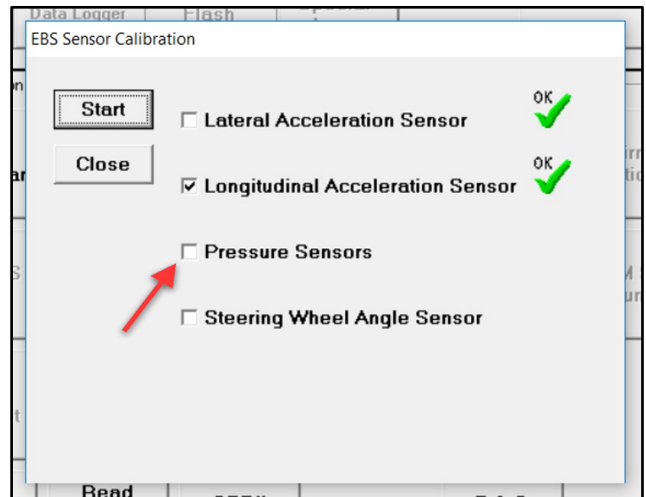


Figure 16

26. Click "Start" to start the calibration procedure.

27. Select "Steering Wheel Angle Sensor" (refer to Figure 17).

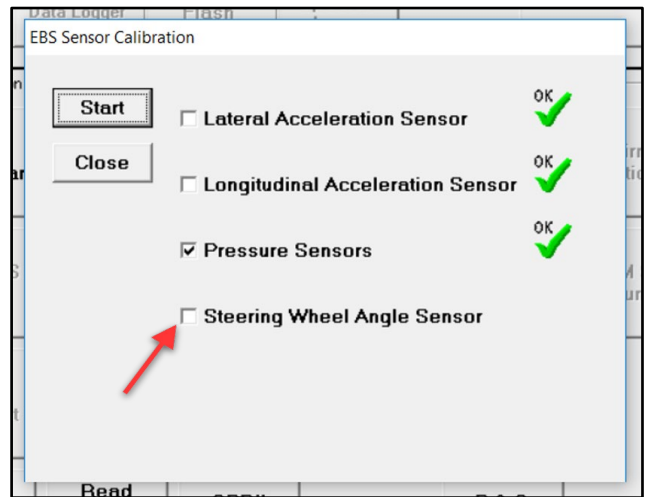


Figure 17

28. Click “Start” to start the calibration procedure (refer to Figure 18). The sensor calibration is now complete.

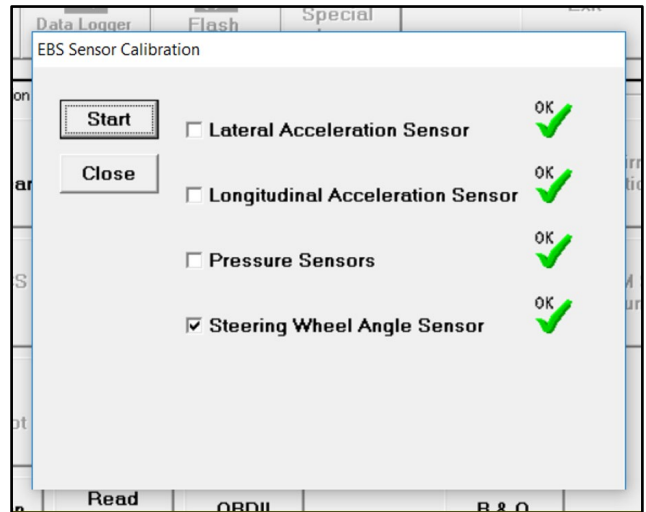


Figure 18

- 29. When the flash update procedure is complete, make sure all the DTCs are cleared.
- 30. Put the vehicle through an ignition cycle until no warnings remain on the dashboard.
- 31. Disconnect the AMDS from the vehicle.

Warranty Data

Procedure and Labour Time

Description	Labour Time
DSC software update	0.2 hours

If you have any questions related to this Service action, please contact: Aston Martin Technical Services on:
 +44 (0) 1926 644720, email: askamtech@astonmartin.com,
 Or contact your After Sales Manager.

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