

SERVICE ACTION

Reference number:	SA-03-0290V2	Issued: 23 November, 2017
Subject:	Stop/Start Battery Drain Problem	
Model(s):	DB11 V12	
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 Version 2 of this Service Action:

This release gives more information on the learn procedures necessary when the Engine Control Module (ECM) software is updated. This information is included as part of SB-03-0433. Amendments to this document have a black line against them in the left side margin. Please destroy all copies of SA-03-0290 that you have, and replace them with SA-03-0290V2.

Reason for this Service Action

This Service Action gives the procedure to correct a battery drain problem on DB11 vehicles. A symptom of this is that the headlamps do not switch off in a stop/start cycle. This will cause increased battery drain.

Workshop Procedure

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 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.

Notes: *Make sure that the AMDS 2.0 software has updated to the latest version. You must have Version 1.0.0.55 or later. 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). Refer to the Vehicle Owner's Guide.
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).

CAUTION: DO NOT START THE ENGINE AFTER YOU HAVE UPDATED THE SOFTWARE FOR THE ENGINE CONTROL MODULES TO THE LATEST RELEASE. THE ENGINE CONTROL MODULES MUST SHUT DOWN FULLY BEFORE YOU START THE ENGINE. IF YOU START THE ENGINE, IT WILL NOT OPERATE CORRECTLY.

4. Use AMDS 2.0 to connect to the internet and update the AMDS 2.0 database to the latest release.
5. Use AMDS 2.0 to update the software for the ECMs to the release that follows:
 - 1A170BP (or newer) for US and Canadian vehicles
 - 1A170AP (or newer) for Rest of World vehicles
6. Use AMDS 2.0 to do a check and erase applicable DTCs.
7. Do the steps in **Service Bulletin SB-03-0433** from step 7 until the end of the procedure.

Warranty Data

Procedure and Labour Time

Description	Labour Time
Update the ECM software and do the learn procedures.	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.

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™.