

SERVICE BULLETIN

Reference number:	SB-15-1009	Issued: 05 April, 2018
Subject:	Aston Martin infotainment (AMi) II - SW update	
Model(s):	V8 Vantage (all variants), V12 Vantage (all variants), DB9 (all variants), Vanquish, Rapide (all variants)	
VIN Range:	16 MY only	
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 improved the AMi II software. The improvements include the correction of the Infotainment Control Unit (ICU) restarts caused by the Digital Audio Broadcast (DAB) station capacity limit of 20. Other improvements include radio updates for Japanese vehicles and minor bug fixes.

Do the workshop procedure that follows to update the AMi II software in the above models.

Note: *All of the new software files will download to your AMDS automatically from AMDS V2.61 onwards.*

Workshop Procedure

The Workshop Procedure has the parts that follow:

- **Part A: Do a check of the ICU Software Level**
- **Part B: Update the ICU Software**
 - Software Reflash Part 1
 - Software Reflash Part 2
 - Software Reflash Part 3

CAUTIONS: DO THE SOFTWARE UPDATES IN THE CORRECT SEQUENCE THAT FOLLOWS. IF YOU DO NOT, THE SYSTEMS WILL NOT OPERATE CORRECTLY.

CONNECT A BATTERY CHARGER TO THE VEHICLE WHEN YOU DO THE PROCEDURES THAT FOLLOW. IF THE VEHICLE BATTERY VOLTAGE DECREASES DURING THESE UPDATES IT WILL CAUSE THE SYSTEM TO MALFUNCTION.

DO NOT DO THIS PROCEDURE WITH THE ENGINE IN OPERATION.

CONNECT THE AMDS 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.

Notes: *You will need a USB device that has a minimum of 65 Mb 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.

Part A: Do a check of the ICU Software Level

1. Start the infotainment system.
2. Select the "System Settings".
3. Check the version numbers that are shown in the System information (refer to Figure 1).



Figure 1

4. If the software is already at the specified levels, (refer to Figure 1) the software has already been updated. Do not do the procedures that follow if the software has already been updated.

Part B: Update the ICU Software

CAUTION: THE ICU HAS THREE SOFTWARE PARTS. ALL THREE PARTS MUST BE FLASHED TO CORRECTLY UPDATE THE ICU SOFTWARE. THE ICU WILL NOT FUNCTION CORRECTLY IF IT IS NOT FULLY UPDATED.

Software Reflash Part 1

1. Make sure that your AMDS software is at Version 2.61 or newer.
2. Use the VCI box to connect the AMDS to the vehicle.
3. Set the ignition to ON.
4. Start the AMDS.
5. Use the AMDS to update the ICU. (This is shown as the S12 Version on the System Information Page of the Infotainment System).
6. Click on the "Flash" button (1) (refer to Figure 2).
7. Click "ICU" (2) from the Reflash menu in the AMDS (refer to Figure 2).

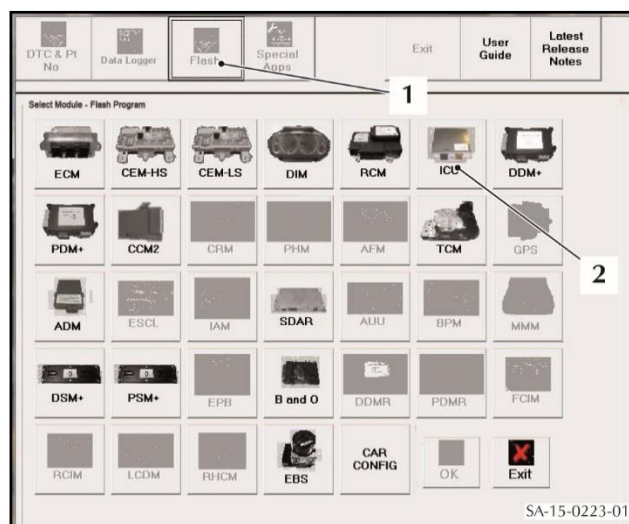


Figure 2

8. Click on "Yes" to accept the newest software (refer to Figure 3).

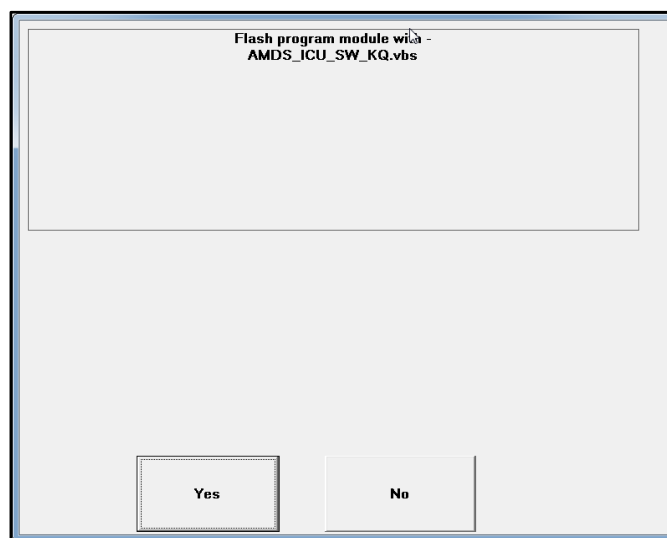


Figure 3

9. Click on "OK" to start the ICU software update.
10. When the software update is complete close the AMDS and disconnect the VCI box.

Note: *When the ICU software update is complete the display screen will go down into the closed position. This is because the ARM and S12 software is not matched. Please continue with the process, and when you update the new ARM software, the screen will come up.*

Software Reflash Part 2

Note: *If the software level is 7.11.784 go to step 18 in the procedure that follows*

11. On your AMDS laptop, navigate to C:\ADS\SW_ICU.
12. Make sure that there are no other .upd files from previous updates on the USB device.
13. Copy the file **AML_7.11.0784_MASTER.upd** on to the USB device. (refer to Figure 4).

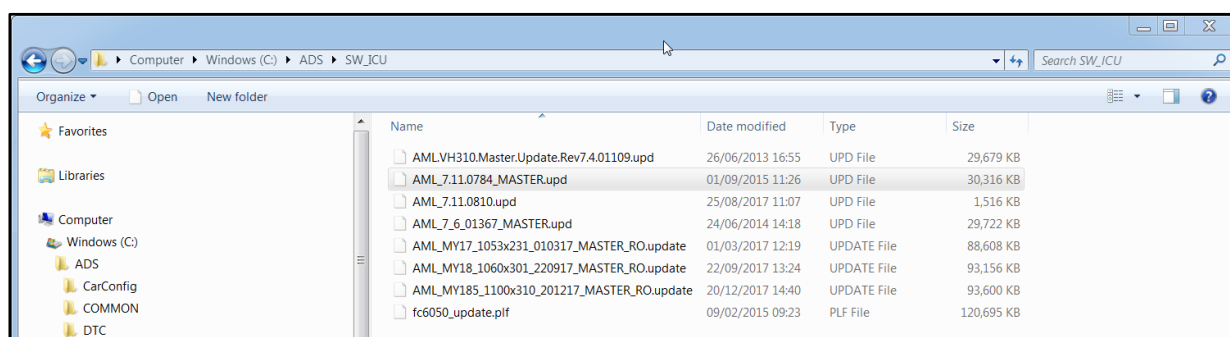


Figure 4

14. Make sure that there are no USB devices connected to the USB ports in the vehicle.
15. Install the USB device into the ICU. This will update the ARM processor.

CAUTION: **DO NOT REMOVE THE USB DEVICE DURING THE UPDATE PROCESS. IF YOU REMOVE THE USB DEVICE DURING THE UPDATE PROCESS IT WILL NOT COMPLETE CORRECTLY.**

16. Wait for the progress bar on screen to finish.

17. When the infotainment system has restarted, and you see the icons on the screen, remove the USB device from the ICU.
18. On your AMDS laptop, navigate to C:\ADS\SW_ICU.
19. Make sure that there are no other .upd files from previous updates on the USB device.
20. Copy the file **AML_7.11.0810.upd** on to the USB device. (refer to Figure 5).

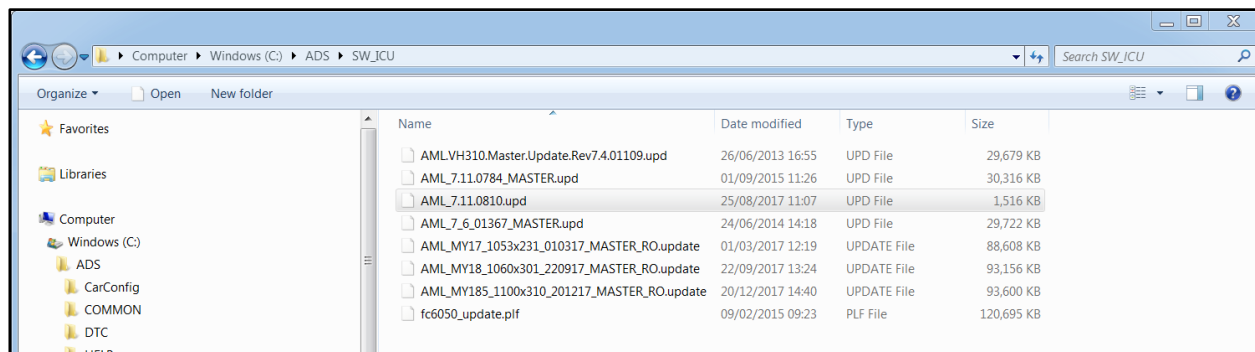


Figure 5

21. Make sure that there are no USB devices connected to the USB ports in the vehicle.
22. Install the USB device into the ICU. This will update the ARM processor.

CAUTION: DO NOT REMOVE THE USB DEVICE DURING THE UPDATE PROCESS. IF YOU REMOVE THE USB DEVICE DURING THE UPDATE PROCESS IT WILL NOT COMPLETE CORRECTLY.

23. Wait for the progress bar on screen to finish.
24. When the infotainment system has restarted, and the icons are on the screen, you can remove the USB device from the ICU.

Software Reflash Part 3

25. On your AMDS laptop, navigate to C:\ADS\SW_ICU.
26. Make sure that there are no other .plf files from previous updates on the USB device.
27. Copy the file **fc6050_update.plf** on to the USB device. (refer to Figure 6).

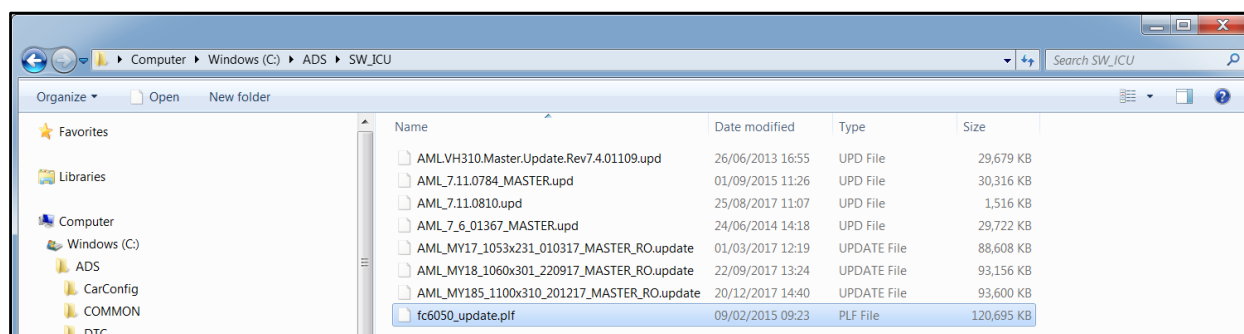


Figure 6

28. Make sure that there are no USB devices connected to the USB ports in the vehicle.
29. Insert the USB device into one of the customer USB ports.
30. Go to System Settings, press right and right again on the joystick.
31. Click on "Update Parrot Firmware". Wait for the progress bar to complete and the new part number (SW3.51.00) will be shown in the display.

CAUTION: DO NOT SET THE IGNITION TO OFF OR REMOVE THE USB MEMORY STICK DURING THE SOFTWARE UPDATE. IF YOU DO, THE SYSTEM WILL NOT OPERATE CORRECTLY.

32. When finished, make sure that the part numbers are:

- **S12 version:** 3105406KQ
- **BT Version:** HW05-SW03.51.00
- **UI version:** 7.11.0810

(refer to Figure 7).



Figure 7

33. If the update was apparently successful but the version numbers are still not correct, do the procedure again from step 5. It is possible that you must do this more than one time.
34. If the software levels shown are still incorrect, speak to AMTech.
35. If the software levels shown are correct remove the USB device from the ICU.
36. Set the ignition to off and remove the key from the docking station.
37. Lock the vehicle and wait 30 seconds
38. Unlock the vehicle. The update process is now complete.

Warranty Data

Procedure and Labour Time

Description	Labour Time	ROT Code
Update the ICU Software	0.6 hours	00.06.AH

Failure Mode Description

Select the failure modes that follow when you make a claim through the Warranty system:

Subsystem	Location	Component	Mode of Failure
ELECTRICAL	ELECTRICAL - CONTROL MODULE	CONTROL MODULE - INFOTAINMENT (ICM)	POOR PERFORMANCE - INCORRECT OPERATION

If you have any questions related to this Service Bulletin, 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 Bulletin is written in Simplified Technical English to ASD-STE100™.