

SERVICE CAMPAIGN BULLETIN

TITLE:	Vehicle Software Update to Platform 14
CAMPAIGN REFERENCE	03K
DOCUMENT NUMBER:	11 M 091
AFFECTED VEHICLES:	McLaren 12C Coupe and Spider
SITUATION:	<p>Quality Engineering at McLaren Automotive have released a new software platform for the McLaren 12C.</p> <p>The most noticeable customer benefits of this software are:</p> <ul style="list-style-type: none">• Improved Bluetooth performance• Tuner not requesting software update in Chile on every ignition cycle• AIS IRIS update dimming control in line with Instrument Cluster
PROCEDURE:	<p>It is necessary to update the software on all vehicles within your Aftersales car parc, both when carrying out Pre-Delivery Inspections (PDI) and at the next service centre visit.</p>

Module	New software part numbers
Door Module Left (DML)	11M1071CP.14
Door Module Right (DMR)	11M1070CP.14
Head Unit / IRIS (HU)	11M2909CP.56 Europe 11M2910CP.61 Rest of World
Satellite Navigation	11M3056CP.01 North America 11M3058CP.01 Australia/New Zealand 11M3059CP.01 Singapore/Malaysia/Indonesia/Thailand 11M3057CP.01 Middle East 11M3060CP.01 South Africa 11M3061CP.01 West/East Europe 11M3062CP.01 West Europe

Removal:

1. Please refer to AA-RM-02A02-03-004 - Remove/Install luggage bin – rear.

Requirements:

Care Point: In order to avoid personal injury and damage to the vehicle, do not connect the positive terminal (+) of the charger to the negative terminal (-). Ensure that the connections are secure. Do not place any metal objects near the battery when charging and do not place the Deutronic battery charger directly onto the battery unit.

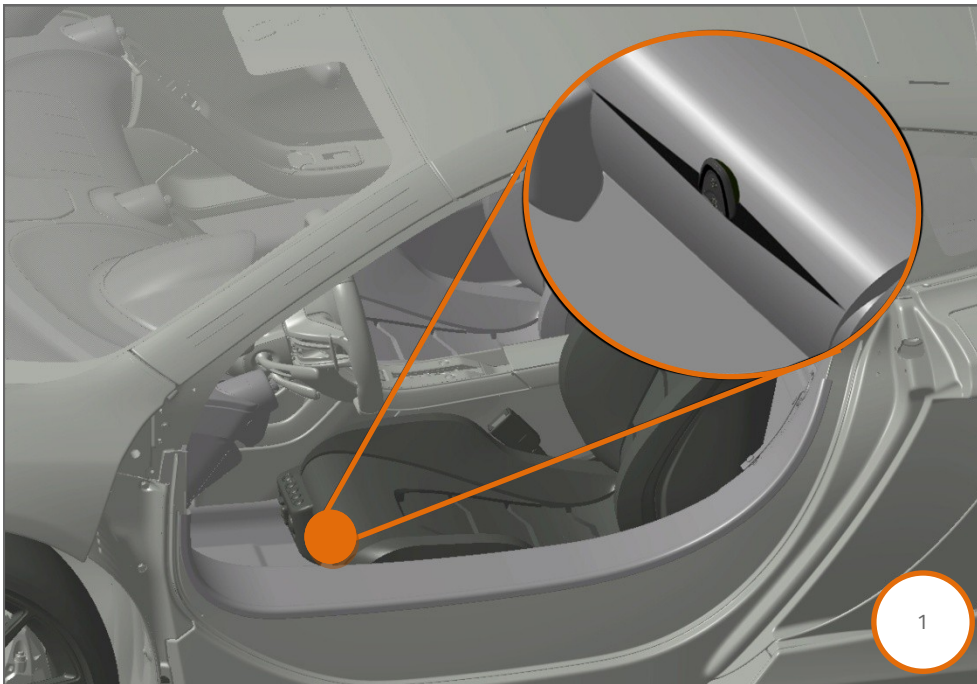
2. Connect Deutronic battery charger to the 12V battery and leave it connected during software reprogramming procedure.
3. Connect the McLaren Diagnostic System (MDS) to the vehicle.

Care Point: If the VCI is connected to the MDS via the USB cable please ensure the wireless interface is disabled in the VCI manager.

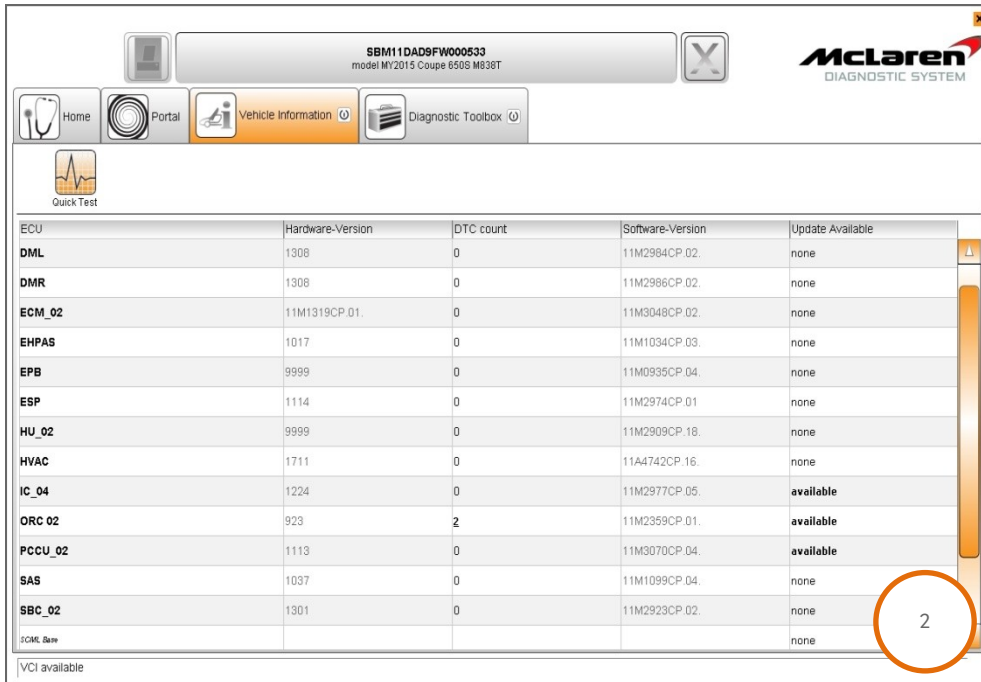
Care Point: Both the driver and passenger windows must be in the fully open position during software reprogramming procedure.

Care Point: All software downloads require the vehicle to be in ignition state 5.

Care Point: The key must be positioned in the driver's seat front pocket (1).



Care Point: The IC, ORC and PCCU will display software update is still available after they have been reprogrammed, this should be ignored. Check that the Software-Version matches the table below (2) to confirm the modules are at the latest level. IC software level displayed after this update will be 11M2977CP.09.



SBM11DAD9FW00533
model MY2015 Coupe 650S M838T

Home Portal Vehicle Information Diagnostic Toolbox

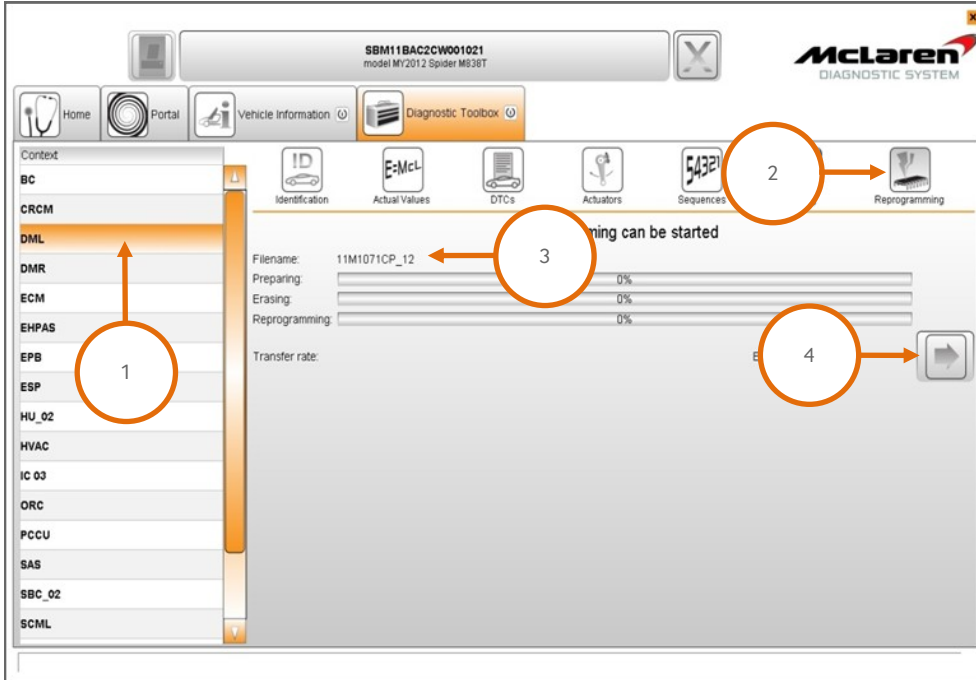
Quick Test

ECU	Hardware-Version	DTC count	Software-Version	Update Available
DML	1308	0	11M2984CP.02.	none
DMR	1308	0	11M2986CP.02.	none
ECM_02	11M1319CP.01.	0	11M3048CP.02.	none
EHPAS	1017	0	11M1034CP.03.	none
EPB	9999	0	11M0935CP.04.	none
ESP	1114	0	11M2974CP.01	none
HU_02	9999	0	11M2909CP.18.	none
HVAC	1711	0	11A4742CP.16.	none
IC_04	1224	0	11M2977CP.05.	available
ORC_02	923	2	11M2359CP.01.	available
PCCU_02	1113	0	11M3070CP.04.	available
SAS	1037	0	11M1099CP.04.	none
SBC_02	1301	0	11M2923CP.02.	none
ICM_Rate				none

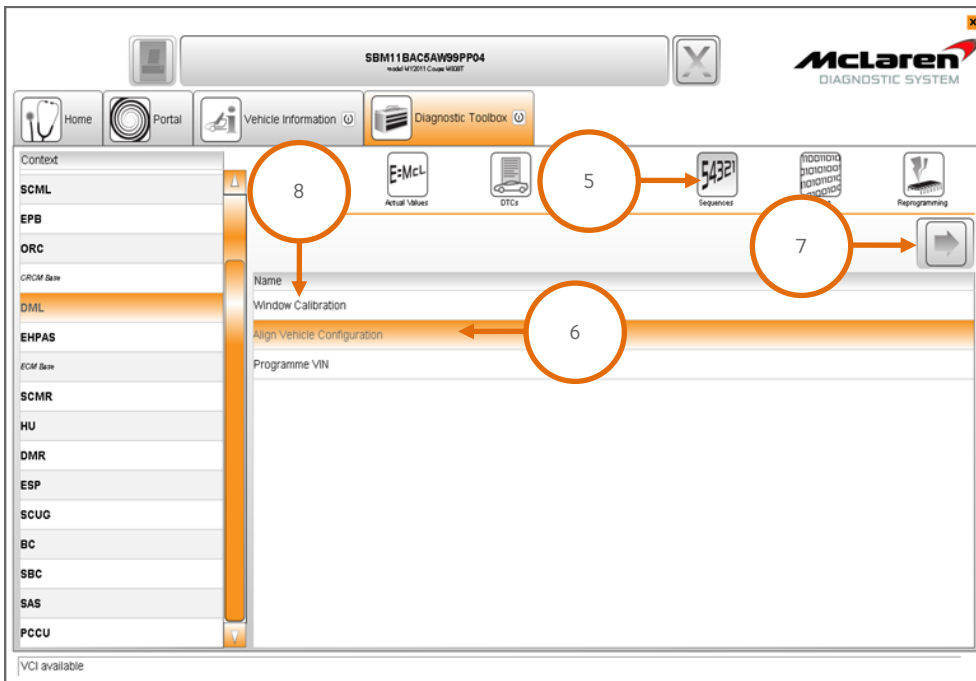
VCI available

DML Software Update:

4. Select DML (1), then Reprogramming (2), the software level 11M1071CP.14 will be displayed (3). Proceed to the software download by selecting the arrow button (4).

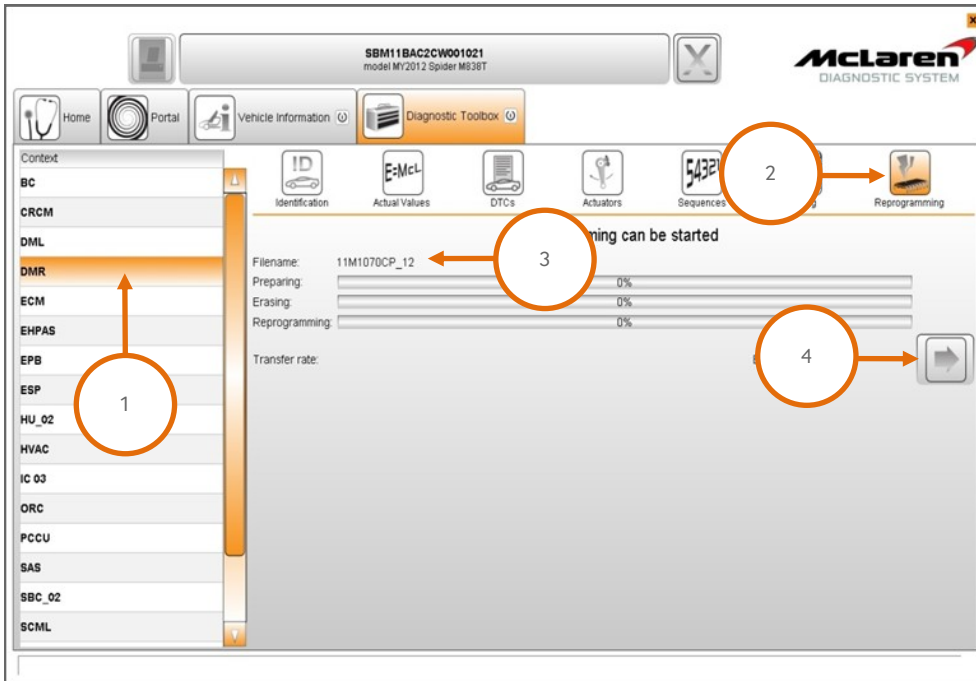


5. Select Sequences (5), select Align Vehicle Configuration (6), followed by the arrow key (7).
6. Select Window Calibration (8), followed again by the arrow key (7).

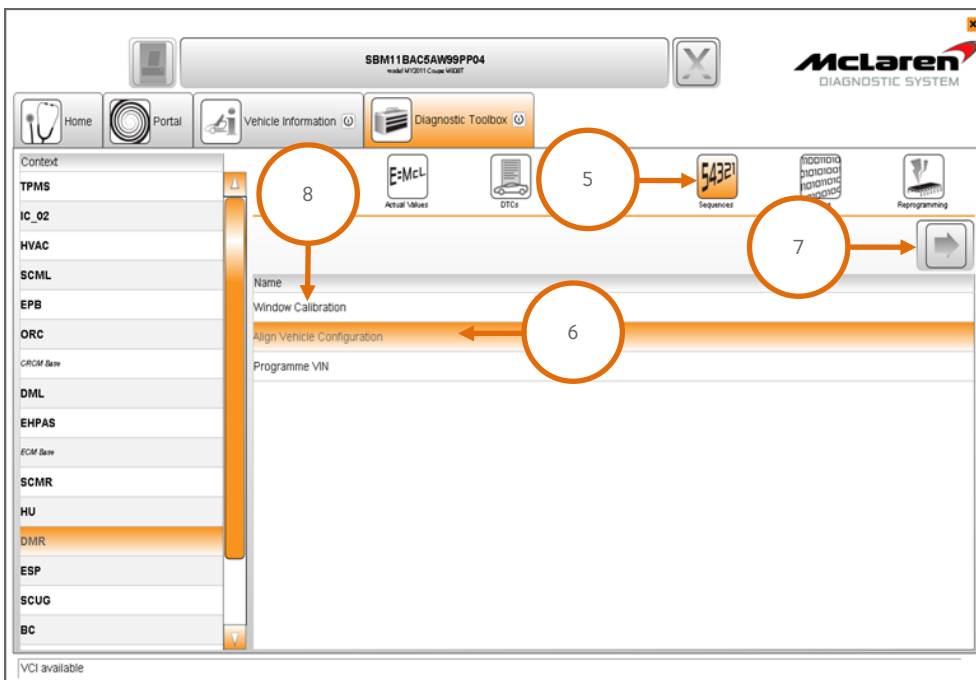


DMR Software Update:

7. Select DMR (1), then Reprogramming (2), the software level 11M1070CP.14 will be displayed (3). Proceed to the software download by selecting the arrow button (4).



8. Select Sequences (5), select Align Vehicle Configuration (6), followed by the arrow key (7).
 9. Select Window Calibration (8), followed again by the arrow key (7).



10. End the current MDS session to allow session feedback to be sent and stored at McLaren.

Care Point: IRIS AIS software update only applicable to vehicles installed with the model year 2014 IRIS.

IRIS AIS Application Software:

Care Point: The Application Software will be supplied via USB to dealers.

Care Point: Do not turn off the engine or change the ignition state during the update process unless stated within this update procedure.

11. Switch the ignition ON to ignition state 5 and start the engine.

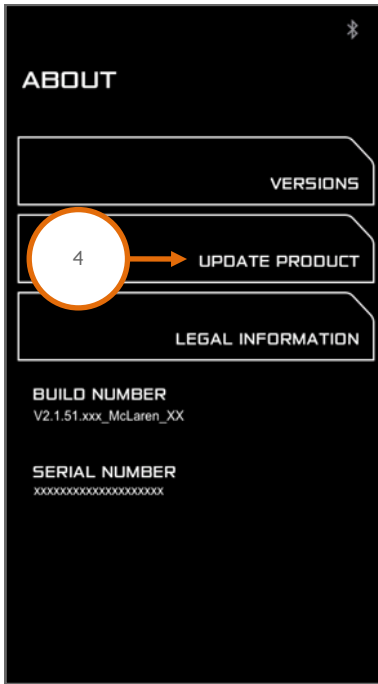
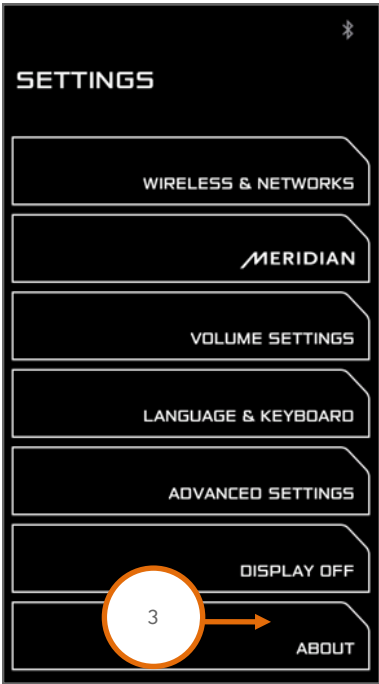
12. Make a note of the options displayed on the Home Screen as this information will be required to configure the head unit. Example screen below of the home page (1).



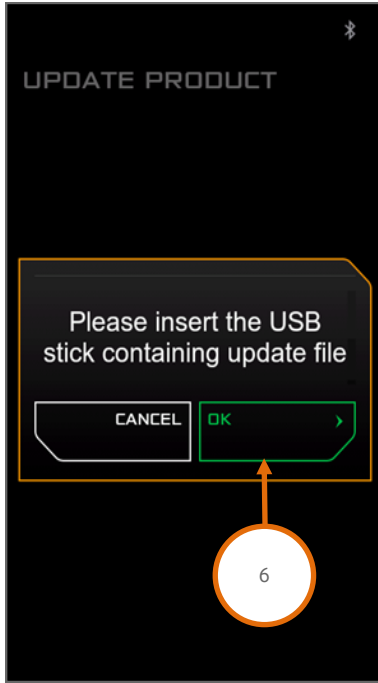
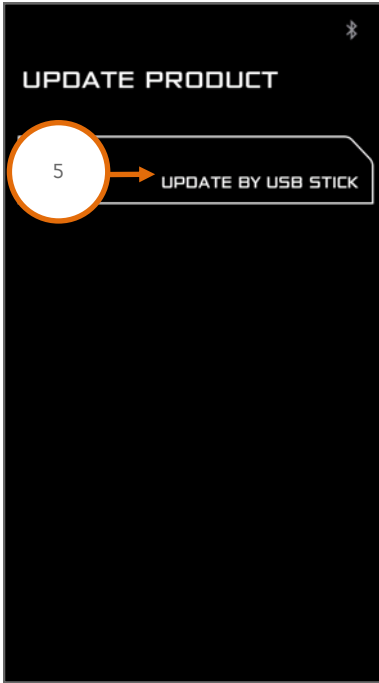
13. Insert the USB drive with the application software into the USB socket (2).



- 14. Once the USB has been inserted, the system should provide a message stating a USB device has been detected.
- 15. Press the Settings hard button on the IRIS console.
- 16. Select About (3) and then Update Product (4).



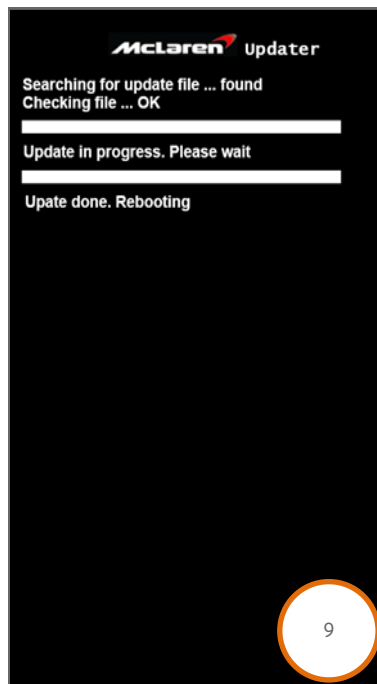
- 17. On the following screen select Update by USB Stick (5). A pop up message will be displayed. Press OK (6) to start the loading operation.



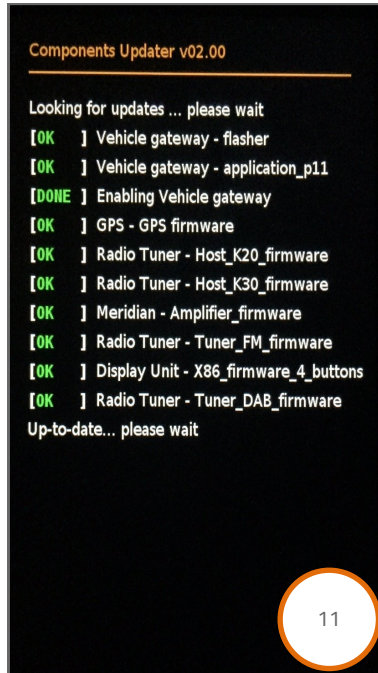
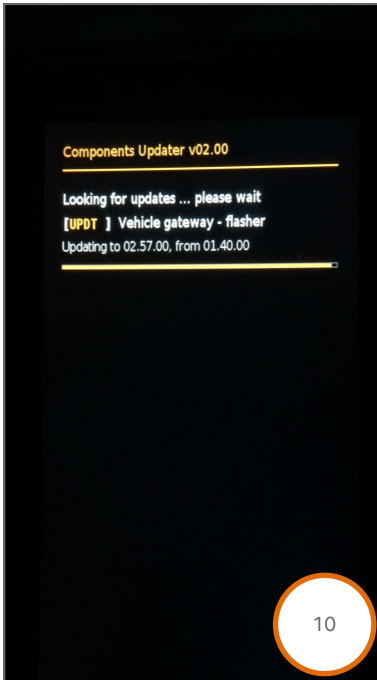
18. The following screen will be displayed (7) and the system will reboot.



19. After the system has rebooted it will search for and check the update file (8). Once the installation has finished the following screen will be displayed (9) and the system will reboot.



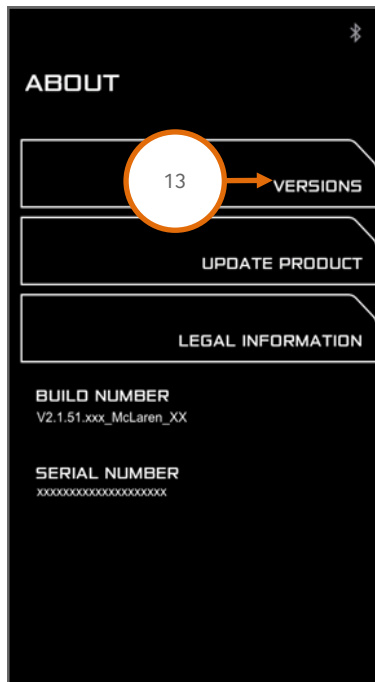
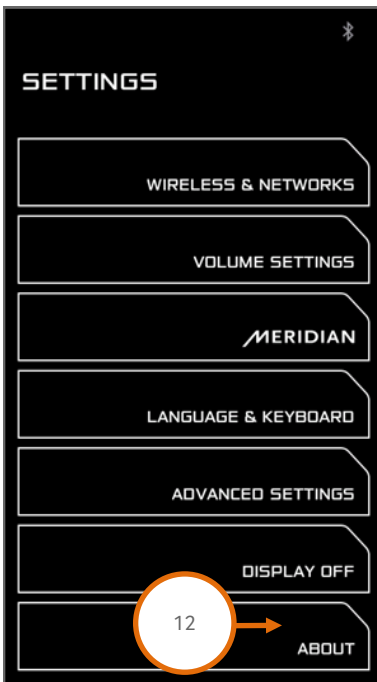
20. Following the reboot the system will start to update the individual system components (10), (11). During the update the system may reboot multiple times. This is normal, **do not attempt a manual reset.**



Care Point: In case the system should get stuck on the update screen if one of the component updates has failed, press and hold the home button for 45s to force the system to reboot.

21. Once all components have been updated and the system has fully rebooted, press the Settings hard button on the IRIS console.

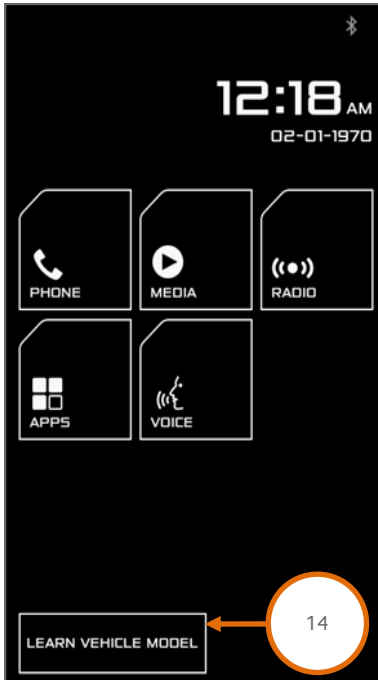
22. Select About (12) and then select Versions (13).



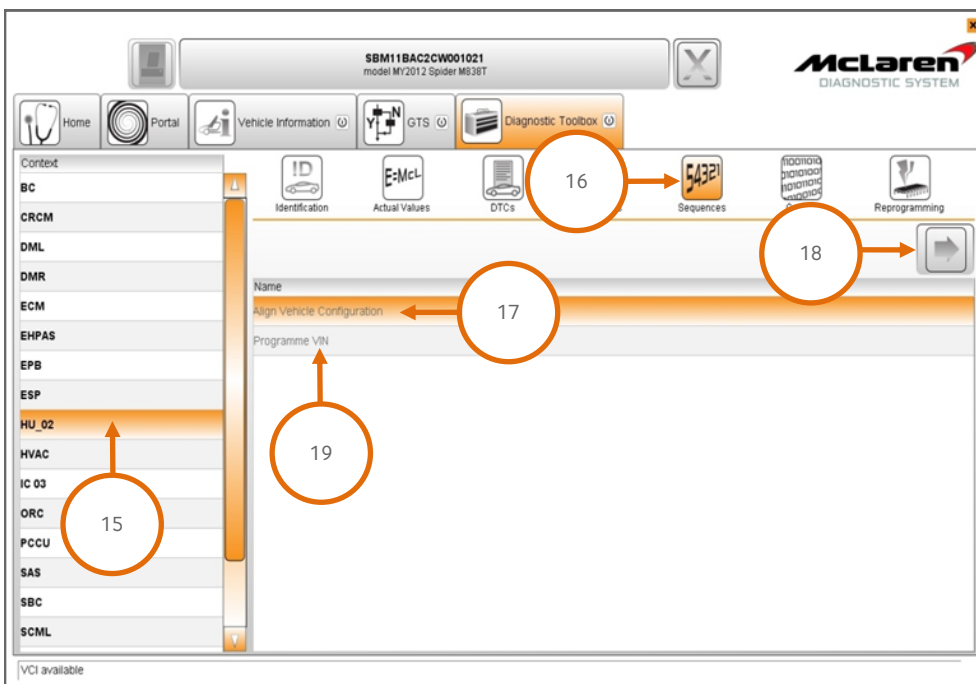
23. Confirm that the McLaren Software Part Number matches the Part Number listed in Table at Page 2 of this document.
24. Press the Home button on the IRIS console to return to the Home screen and remove the USB drive.

Care Point: For vehicles where the Learn Vehicle Model process has been completed previously the option will not be available on the Home screen. In this case go to step 26.

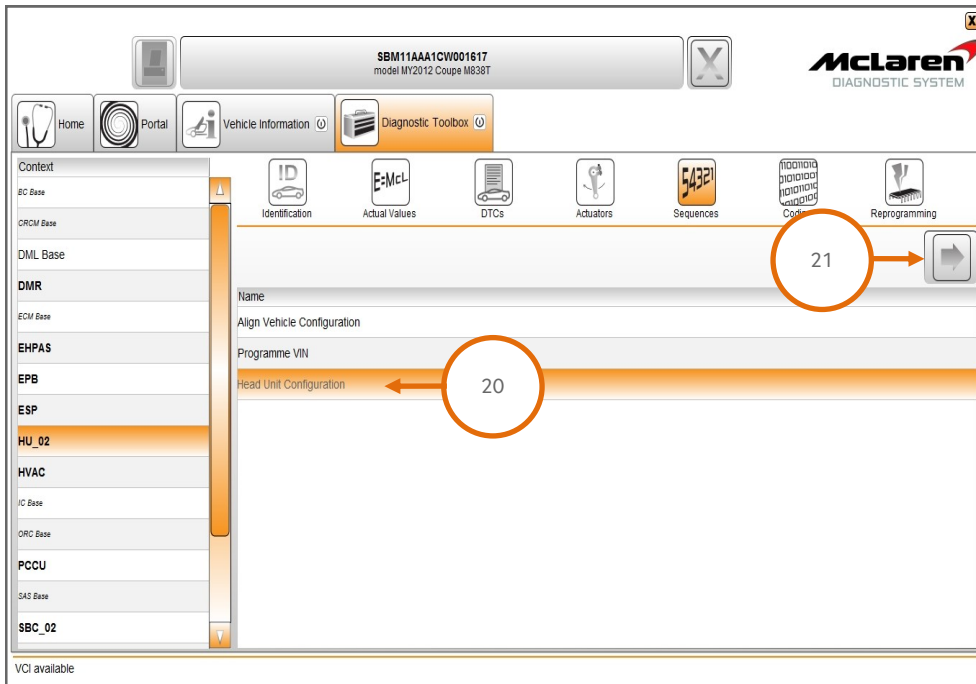
25. Select Learn Vehicle Model (14) from the Home Screen. The system will perform a configuration update and reboot. Wait until the system has fully booted to the Home screen before proceeding to the next step.



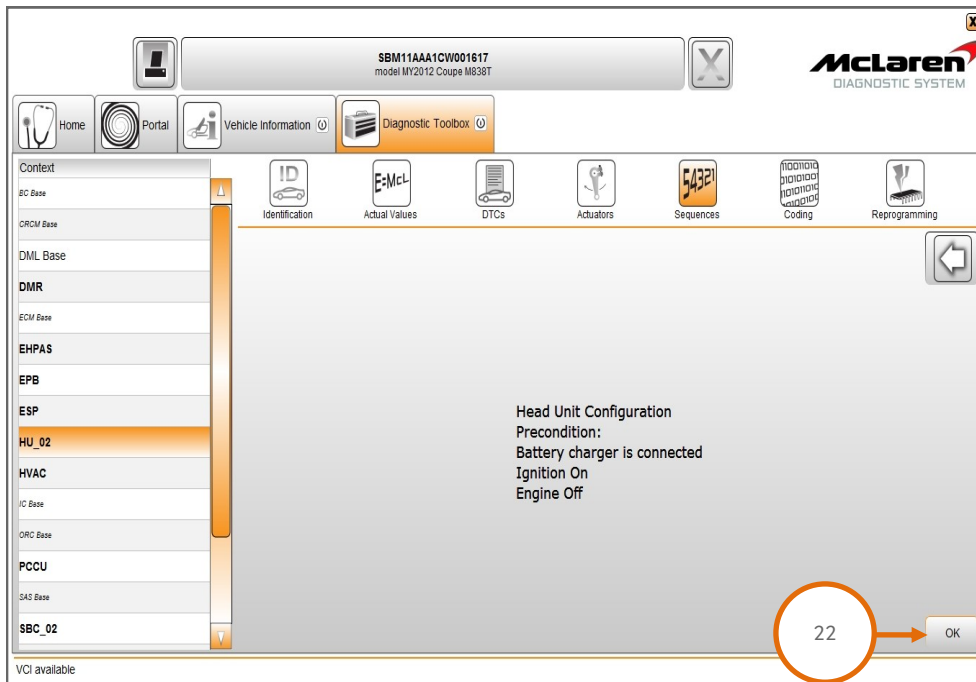
26. Start a new MDS diagnostic session.
27. Select HU_02 (15), then select Sequences (16), select Align Vehicle Configuration (17), followed by the arrow key (18).
28. Select Programme VIN (19), followed by the arrow key (18).



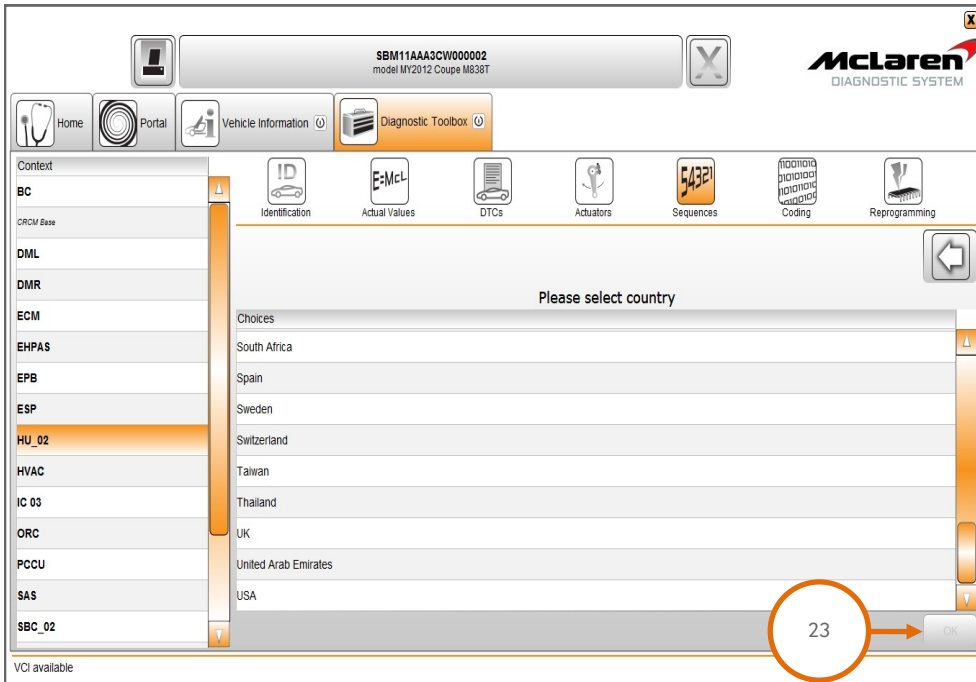
29. Select Head Unit Configuration (20), followed by the arrow key (21).



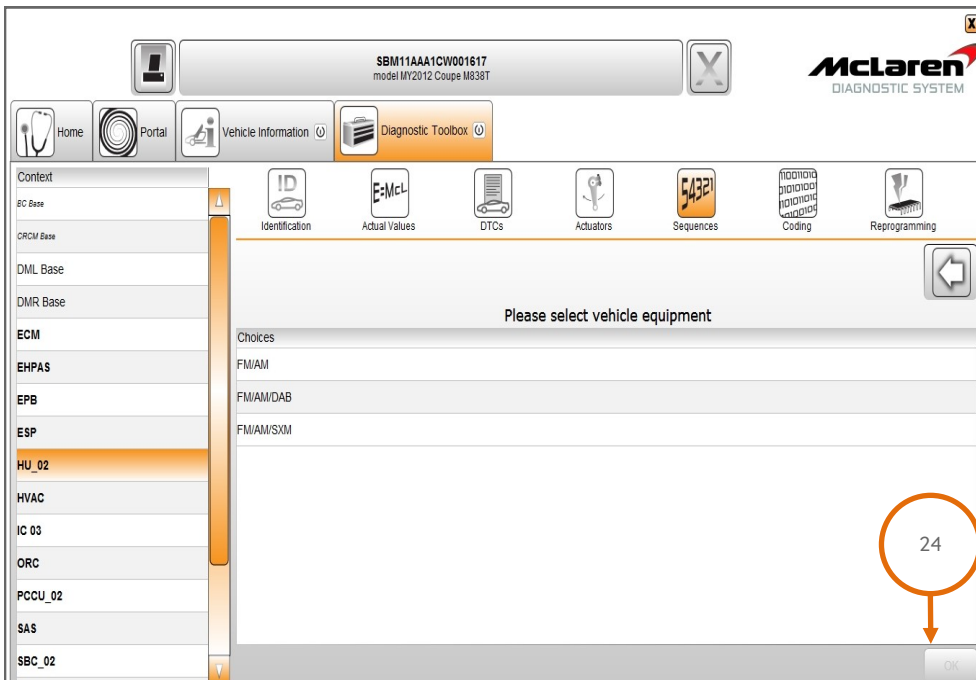
30. The following screen will appear, select OK (22).



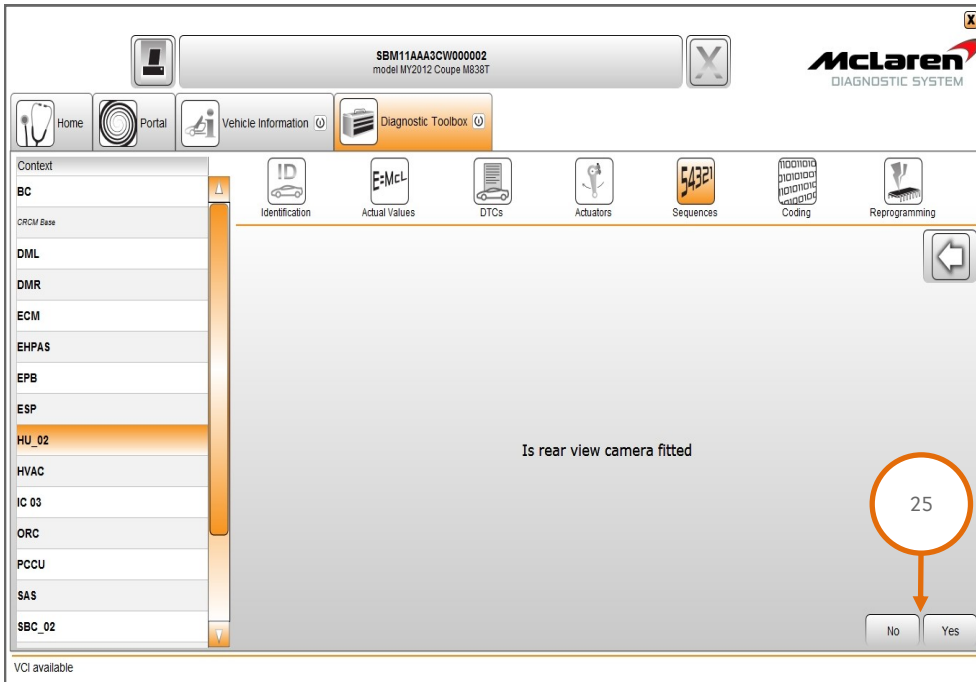
31. Select the relevant country followed by OK (23).



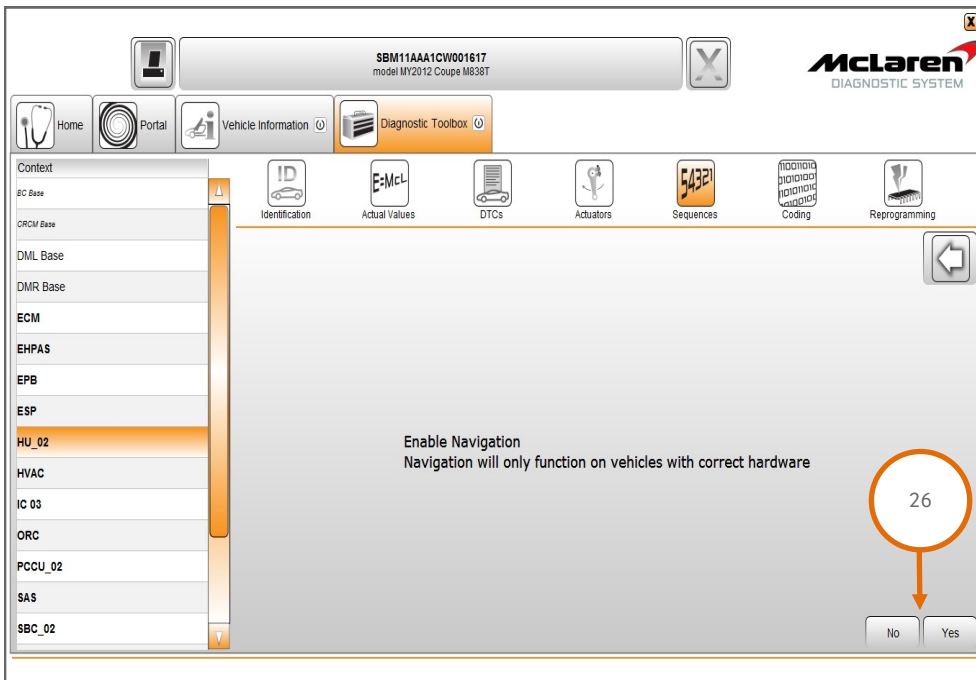
32. Select the relevant radio frequency Values option, followed by OK (24).



33. Is rear view camera fitted, select Yes or No (25).

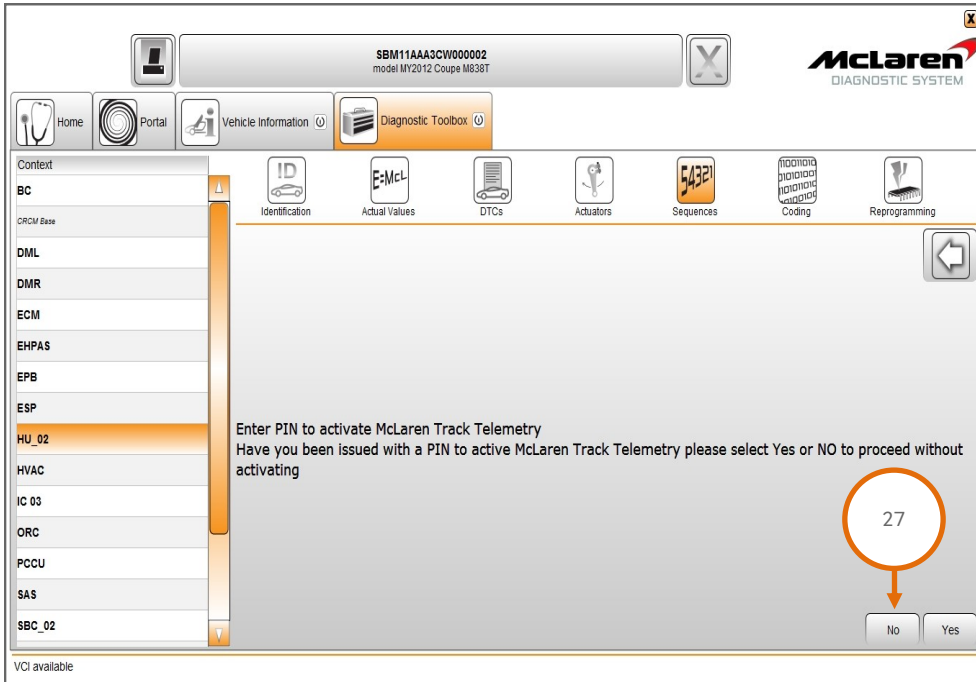


34. Is navigation fitted, select Yes or No (26).

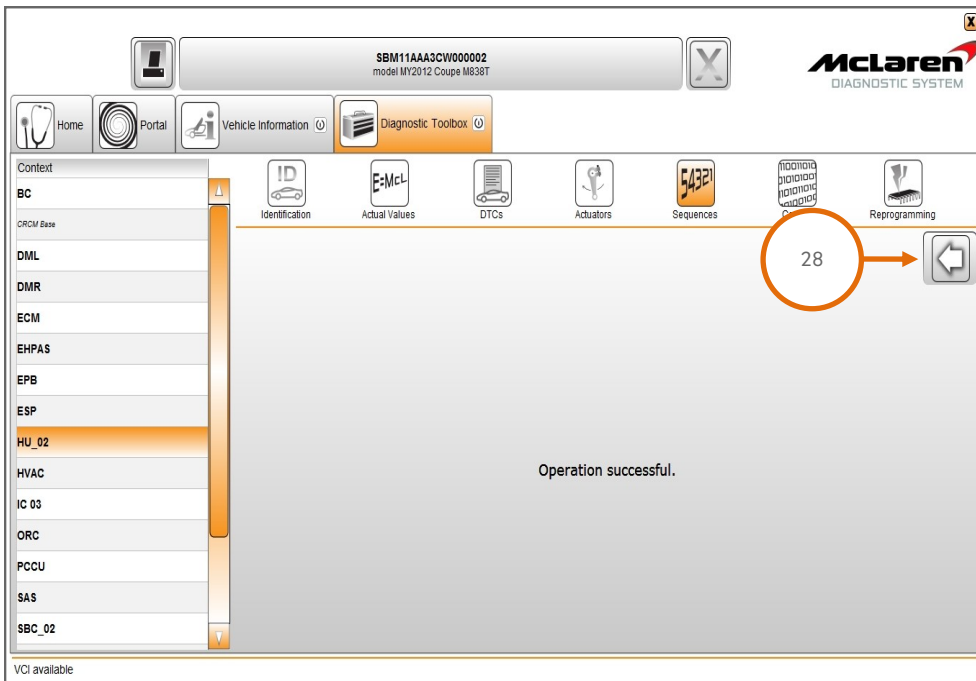


Care Point: McLaren Track Telemetry is not available option for McLaren 12C.

35. Proceed and select No (27).



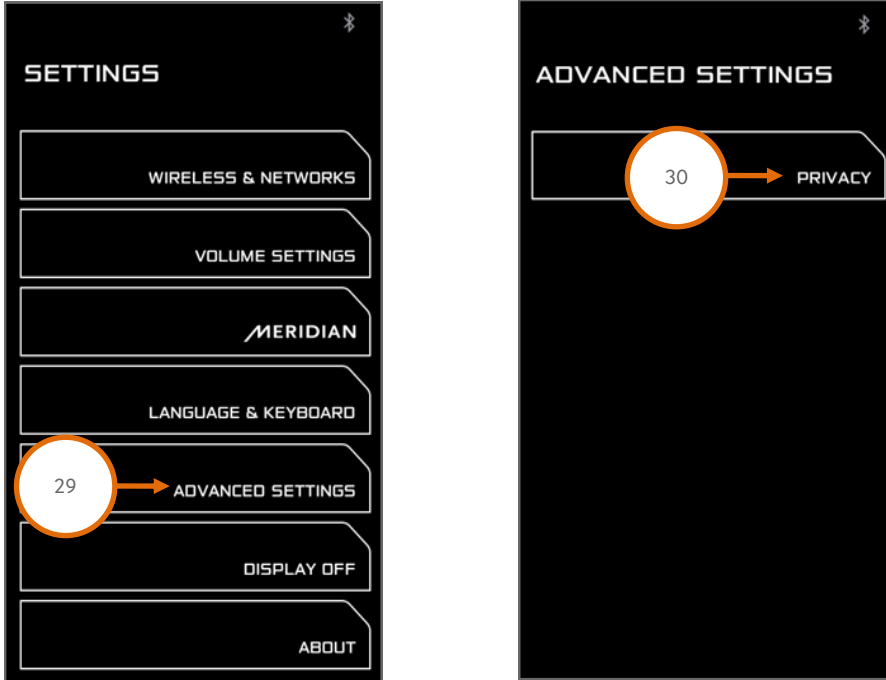
36. Operation successful will be displayed. Select the back arrow (28) to exit the sequence.



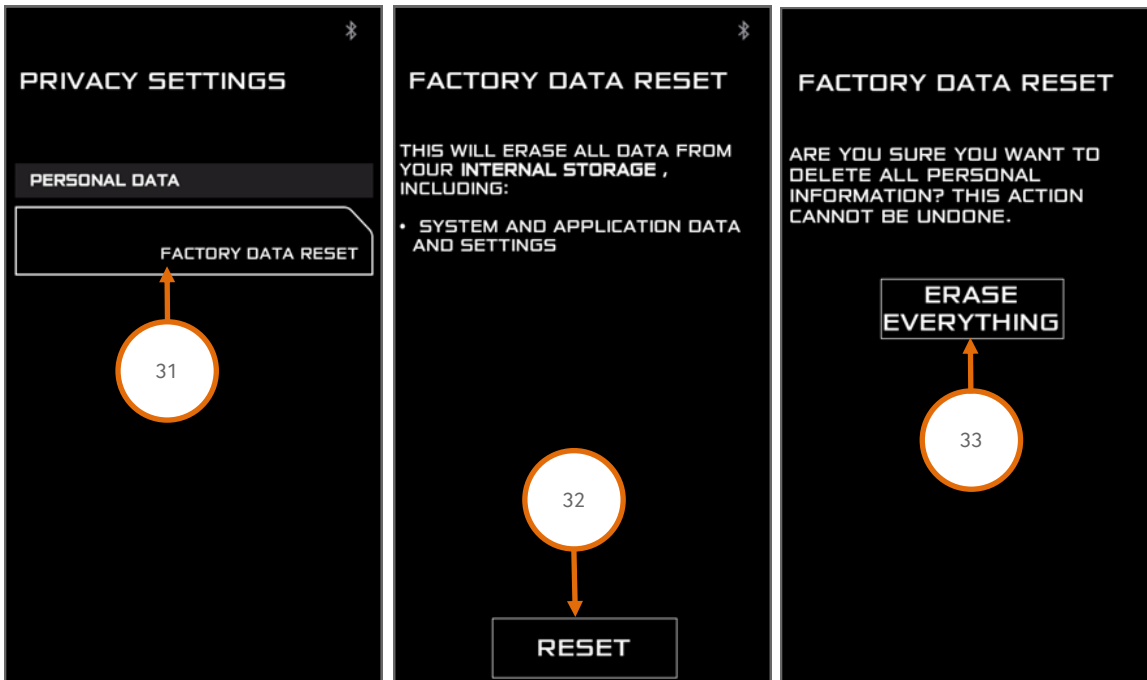
Care Point: Performing Factory Data Reset will delete the stored radio stations and paired phones.

37. Press the Settings hard button on the IRIS console.

38. Select Advanced Settings (29) and then Privacy (30) in order to access the Factory Data Reset.



39. Select Factory Data Reset (31) followed by Reset (32) and then Erase Everything (33).



40. The system will reboot. The Factory Data Reset will be completed once the system has returned to the Standby Screen.

41. Wait until the system has fully rebooted, then switch the engine off and ignition back on.

Navigation Software Update:

Care Point: The Navigation maps have been provided via USB stick as part of a previous software update and should be reused.

Care Point: Navigation software update only needs to be performed on vehicles that have not previously had platform 13.2 campaign completed. This can be confirmed by checking the application software level part number suffix does not end in .46.

Care Point: The Navigation map installation is only applicable for markets with navigation support. Please refer to Table at Page 2 of this document to determine whether navigation is available for the respective market.

Care Point: Do NOT turn off the engine or change the ignition state during the update process unless stated within this update procedure.

42. Switch the ignition ON to ignition state 5 and start the engine.

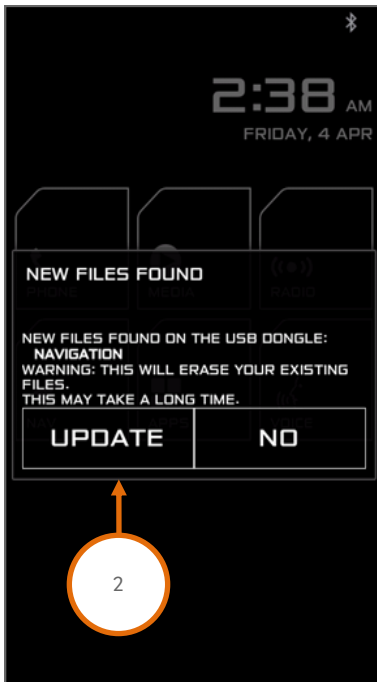
43. Insert the USB drive with the Navigation Maps into the USB socket (1).

44. Once the USB has been inserted, the system should provide a message indicating that a USB device has been detected.



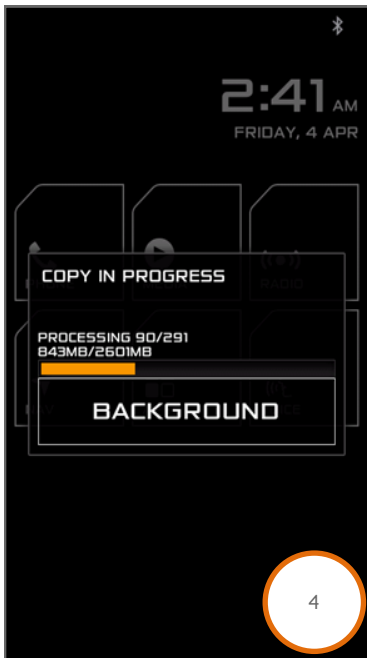
45. After 1-2 minutes the screen below will be displayed. Select Update (2).

46. The following screen (3) will appear when old files have been detected and need to be removed before new files are loaded.



47. The following screen (4) will be displayed, stating the number of files to be copied and the current progress. Depending on the map region to be installed, the number of files may differ from the example below.

48. Press Done to complete the installation (5) and remove the USB drive.



49. Complete a Factory Data Reset by following steps 37-41 in the IRIS AIS Application Software Installation section.

50. Wait until the system has fully rebooted, then turn the engine and ignition off.

Please contact your Regional Aftersales Manager should you have any questions relating to the information contained in this bulletin.

Warranty Information: An additional time of 0.50 hours to update the AIS software (if required) can only be claimed in the Additional Costs section of the warranty claim.

Warranty Information: An additional time of 0.25 hours to update the Navigation software (if required) can only be claimed in the Additional Costs section of the warranty claim.

WARRANTY INFORMATION

DESCRIPTION	RESOLUTION CODE	TOTAL REPAIR TIME
Software Platform Update to 14	M0M30110A3314A07	0.5 hours

PARTS INFORMATION

DESCRIPTION	PART NUMBER	QUANTITY	ORDER PROCESS
N/A	N/A	N/A	N/A