

675LT Vehicle Software Update to Platform 5.3

Bulletin type: Service Campaign Bulletin
Reference number: 11 M 102
Campaign reference: 04M
Attention: Retailer Service Managers and Retailer Technicians
Affected vehicles: 675LT Coupe & Spider
Situation: McLaren Automotive has released a new software platform for 675LT
Procedure: This software update must be completed on all vehicles at the next Service Centre visit
Date: 10th April 2018

This bulletin will cover:

1. Customer Benefits
2. Affected Software Part Numbers
3. Complete 5.3 Platform Software Part Numbers
4. Requirements
5. Software Update Procedure
6. Affected Vehicles

McLaren Automotive has released a new software platform for 675LT. This software update must be completed on all vehicles at the next Service Centre visit.

1. Customer Benefits

- Improved window short drop functionality when battery charge is very low
- Improved Powertrain Chassis Control Unit (PCCU) diagnostics for Second Gear Selection and Line Pressure Diagnostic Trouble Code (DTC)
- AIS max FM frequency extended to 95MHz in Japan
- Rectified AIS SiriusXM media player random pause condition in North America

2. Affected Software Part Numbers

Please refer to the table below to identify the software required, by cross referencing the MDS quick test page.

P11R PF 5.3	
BC	11M3188RP.04
DML	11M3196RP.02
DMR	11M3198RP.02
IBS	13M1080CP.13
PCCU	11M3215RP.08
AIS	13MA053CP.08 (EU)

	13MA054CP.08 (ROW) 13MA055CP.08 (CH) 13MA056CP.08 (JP)
SBC	11M3187RP.05

3. Complete 5.3 Platform Software Part Numbers

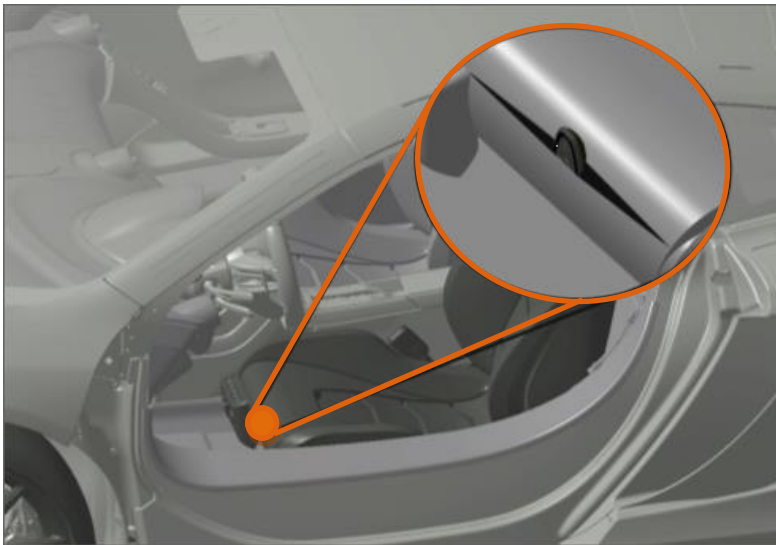
Refer to the table below to confirm that all control modules are reporting the correct software part number for platform 5.3. If needed, proceed to update any other control modules to the software part number according to the list below.

Platform Level	PF 5.3
Module	675LT Coupe & Spider
BC	11M3188RP.04
CRCM	11M2476SP.03
DML	11M3196RP.02
DMR	11M3198RP.02
ECM	11M3072RP.03 ROW/EU 11M2994RR.03 FED
EHPAS	11M3142RP.02
EPB	11M0935CP.04
ESP	13M3214RP.02
HU-02	13MA053CP.08 (EU) 13MA054CP.08 (ROW) 13MA055CP.08 (CH) 13MA056CP.08 (JP)
HVAC WITH A/C	11M3192RP.03
HVAC W/O A/C	11M3193RP.03
IC	11M3180RP.04
IBS	13M1080CP.13
ORC	11M3200RP.01 LHD FED 11M3199RP.01 LHD 11M3201RP.01 RHD
PCCU	11M3215RP.08
SAS	11M1099CP.04
SBC	11M3187RP.05
SCUG	11M3190RP.01
SCML	11N2324CP.04
SCMR	11N2320CP.04
TMPS	11M3460LP.01

4. Requirements

Care Points:

- Ensure your Deutronic battery charger settings have been updated as per Service Information Bulletin 11 M 001 - Battery and Charging Information (Version 3). The Deutronic charger must be connected to the 12V battery for the entire duration of the platform update procedure
- 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
- Prior to reprogramming the Intelligent Battery Sensor (IBS), the 12V battery must be fully charged. This is confirmed when the Deutronic battery charger displays >14.2 Volts and <5 Amps current
- If the VCI is connected to the MDS via the USB cable please ensure the wireless interface is disabled in the VCI Manager
- Both the driver and passenger windows must be in the fully open position during the software reprogramming procedure
- The vehicle must be in ignition state 5 during reprogramming of all modules
- The key must be positioned in the driver's seat front pocket



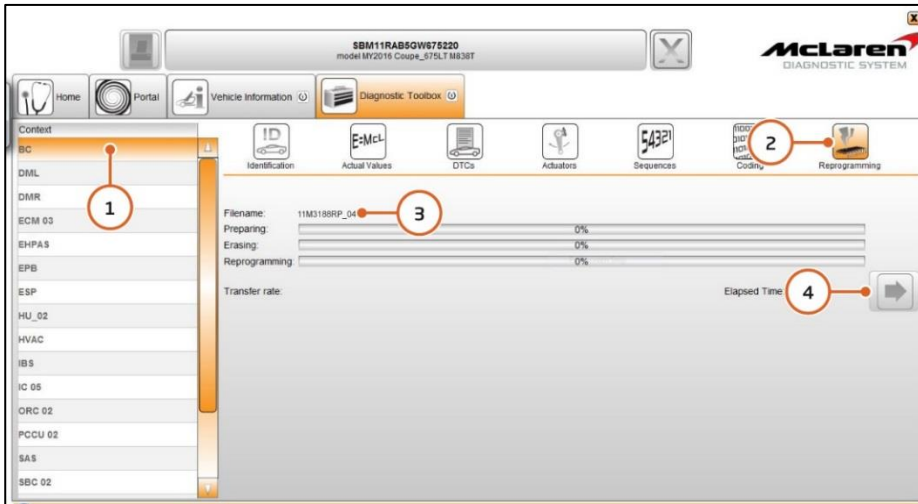
Location of driver's seat front pocket

5. Software Update Procedure

BC Software Update

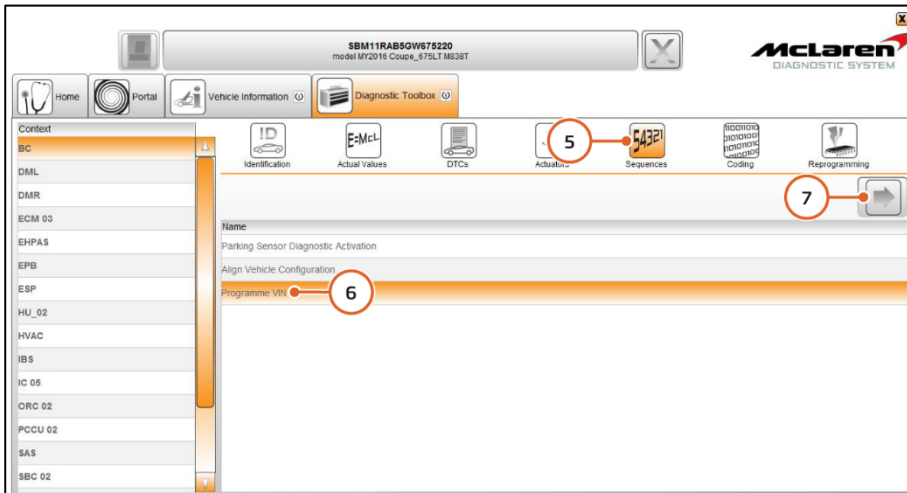
Step 1

Select 'BC' (1), then 'Reprogramming' (2), the software level 11M3188RP.04 will be displayed (3). Proceed to the software download by selecting the arrow button (4)



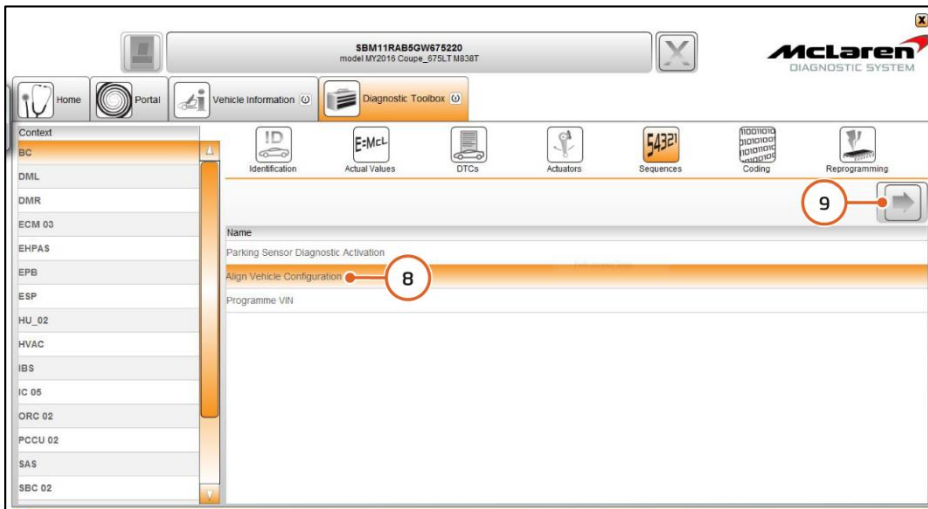
Step 2

Select 'Sequences' (5), then 'Programme VIN' (6), then select the arrow button to proceed (7)



Step 3

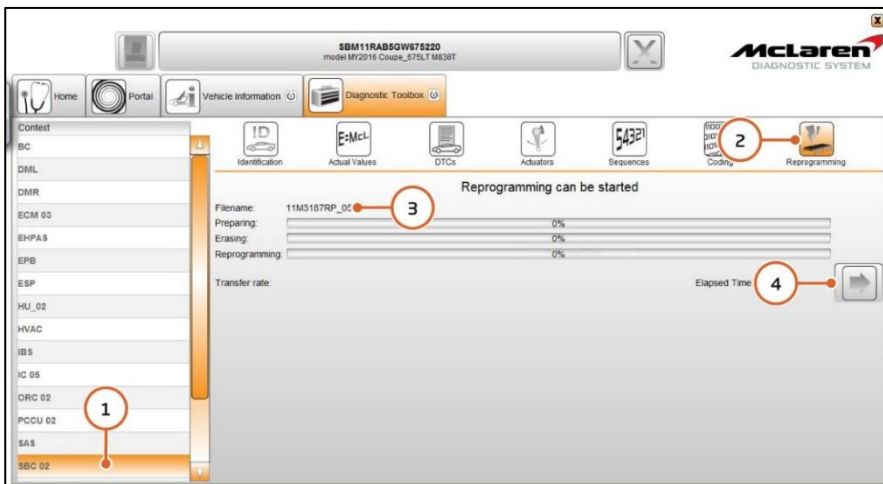
Select 'Align Vehicle Configuration' (8), followed by the arrow key (9)



SBC Software Update

Step 4

Select 'SBC' (1), then 'Reprogramming' (2), the software level 11M3187RP.05 will be displayed (3). Proceed to the software download by selecting the arrow button (4)

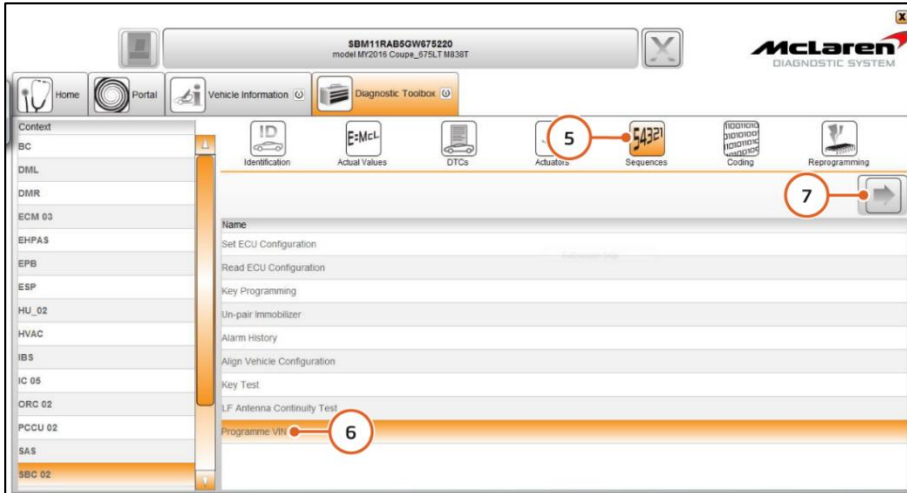


Step 5

The vehicle will automatically go to sleep. Wait until it is fully asleep and then press the unlock button on the key once to wake up the vehicle and then establish the vehicle into ignition state 5 before following the next steps

Step 6

Select 'Sequences' (5), then 'Programme VIN' (6) then select the arrow button to proceed (7). The programme VIN procedure will force a sleep cycle to occur

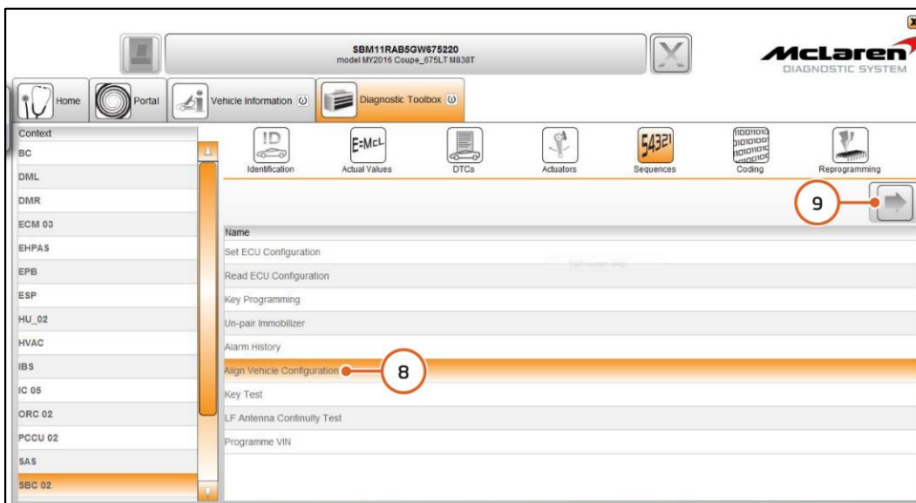


Step 7

Press the unlock button on the key once to wake up the vehicle and then establish the vehicle into ignition state 5 before following the next steps

Step 8

Select 'Align Vehicle Configuration' (8), followed by the arrow key (9)



Step 9

Press the unlock button on the key once to wake up the vehicle and then establish the vehicle into ignition state 5 before following the next steps

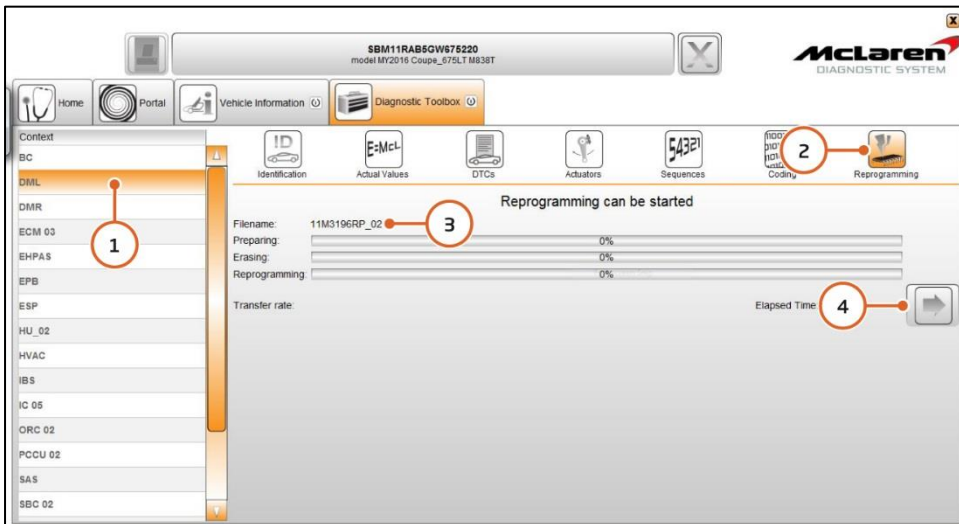
DML Software Update

Step 10

Connect the McLaren Diagnostic System (MDS) to the vehicle

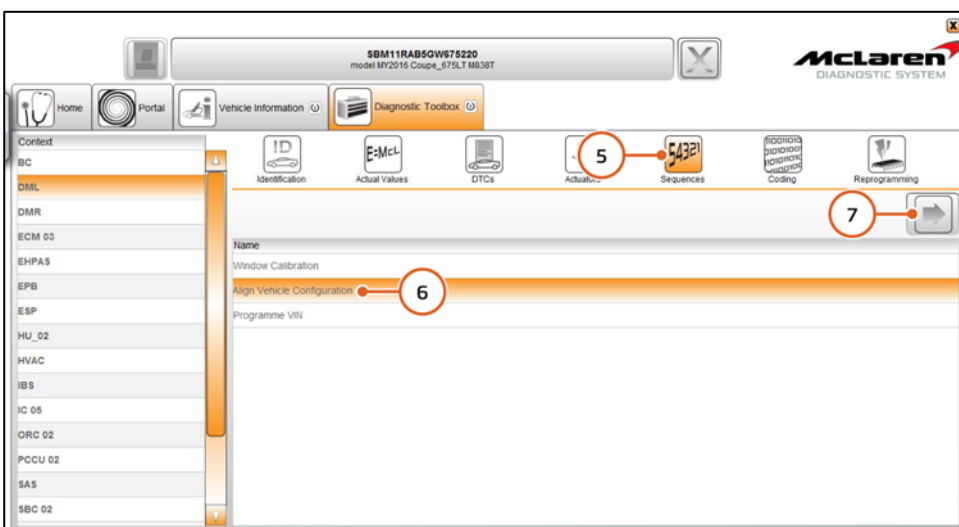
Step 11

Select 'DML' (1), then 'Reprogramming' (2), the software level 11M3196RP.02 will be displayed (3). Proceed to the software download by selecting the arrow button (4)



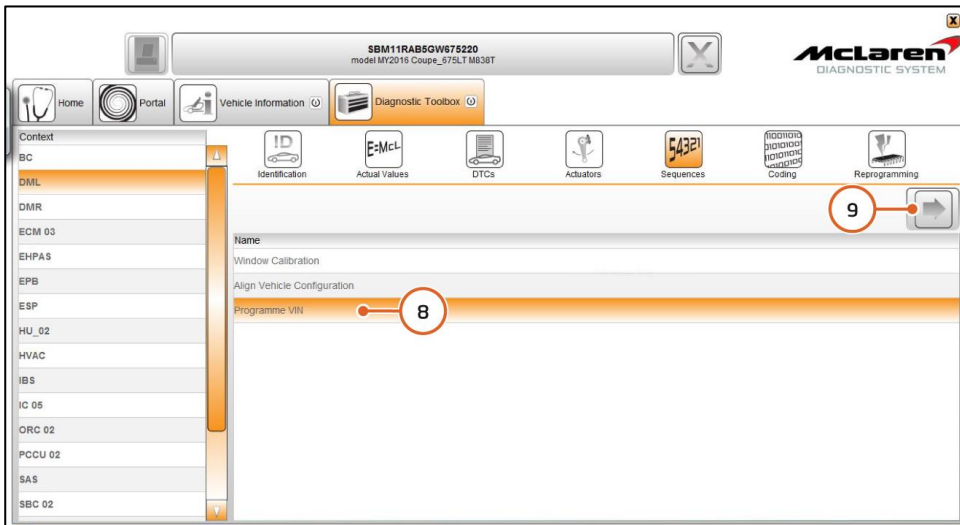
Step 12

Select 'Sequences' (5), select 'Align Vehicle Configuration' (6), followed by the arrow key (7)



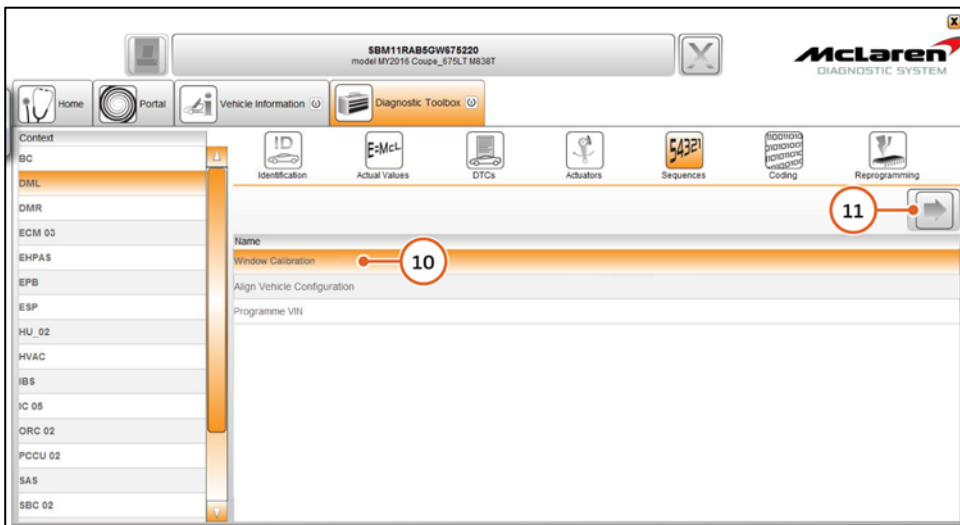
Step 13

Select 'Programme VIN' (8), followed by the arrow key (9)



Step 14

Select 'Window Calibration' (10), followed by the arrow key (11)



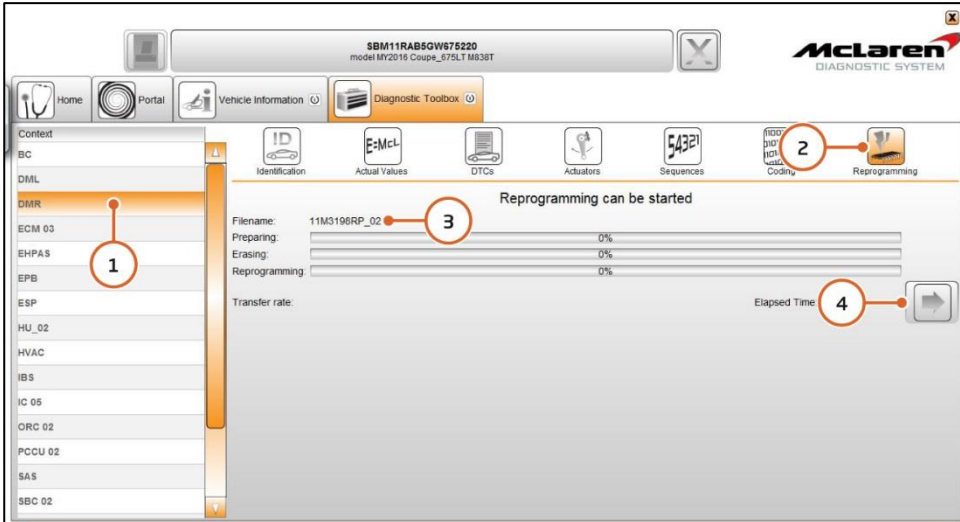
Step 15

Wait for 30 seconds before commencing reprogramming of the next control module

DMR Software Update

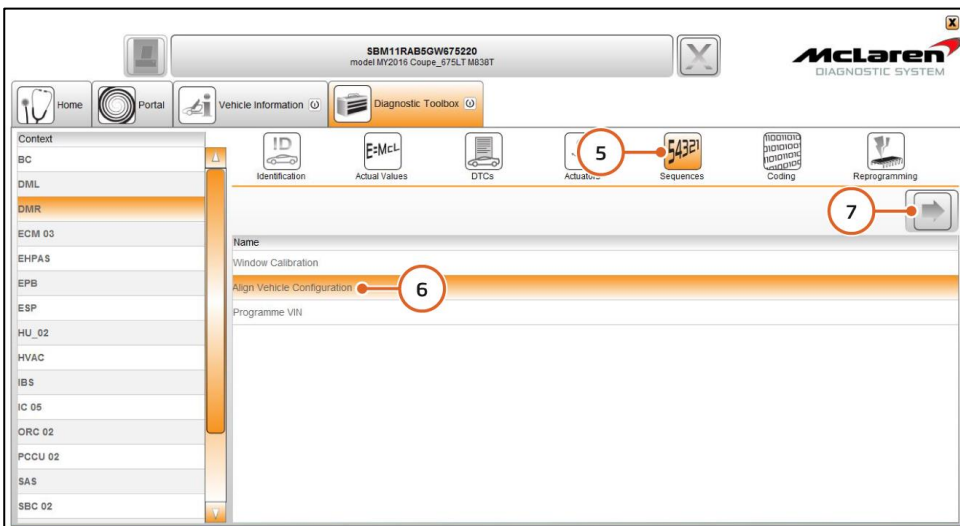
Step 16

Select 'DMR' (1), then 'Reprogramming' (2), the software level 11M3198RP.02 will be displayed (3). Proceed to the software download by selecting the arrow button (4)



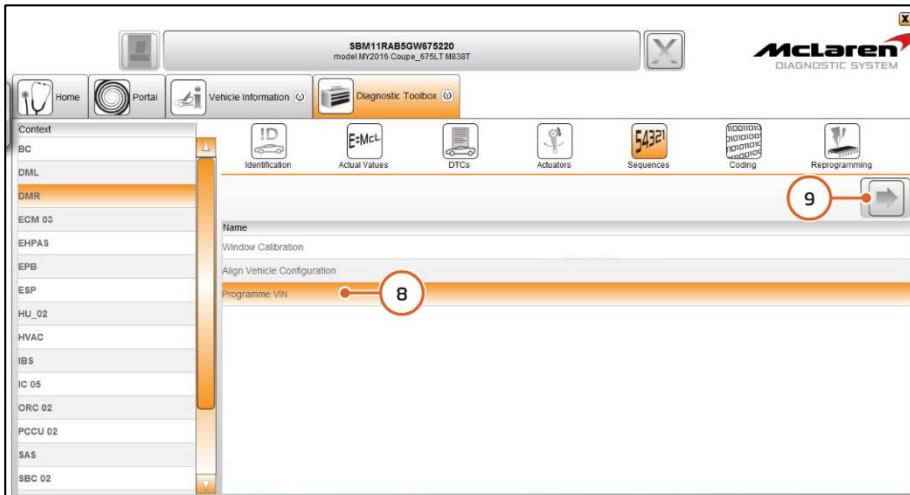
Step 17

Select 'Sequences' (5), select 'Align Vehicle Configuration' (6), followed by the arrow key (7)



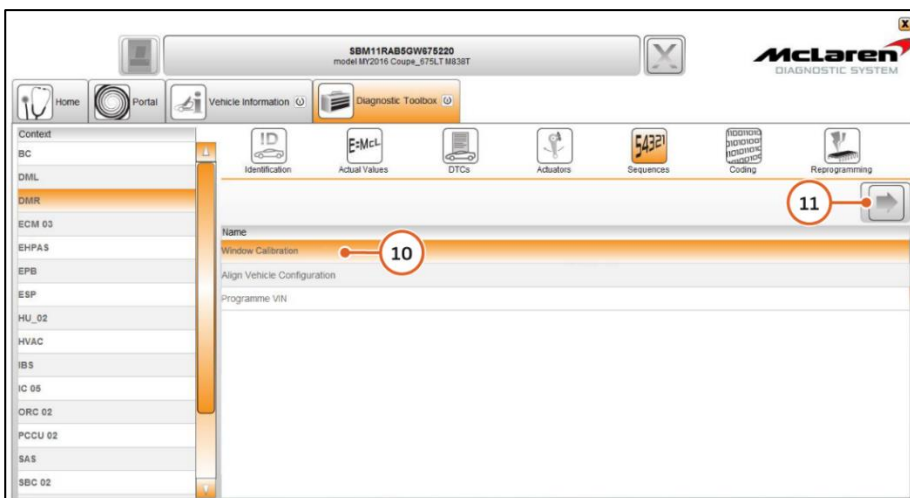
Step 18

Select 'Programme VIN' (8), followed by the arrow key (9)



Step 19

Select 'Window Calibration' (10), followed again by the arrow key (11)



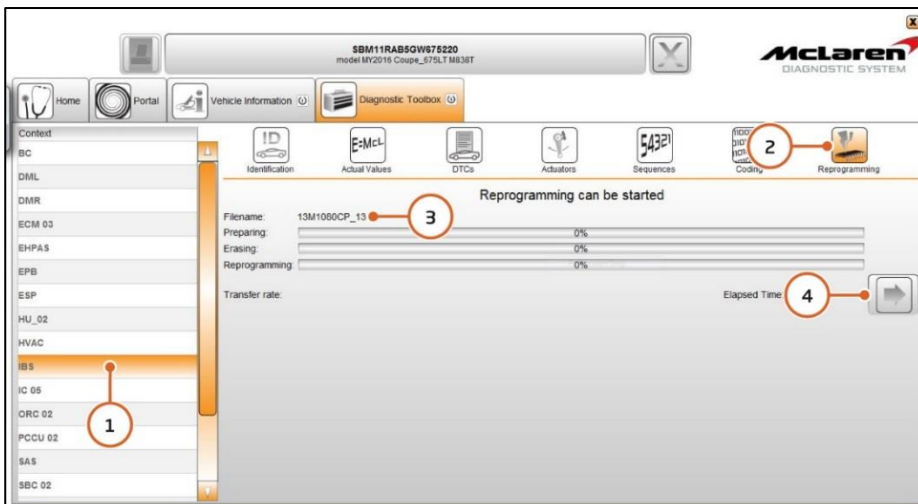
Step 20

Wait for 30 seconds before commencing reprogramming of the next control module

IBS Software Update

Step 21

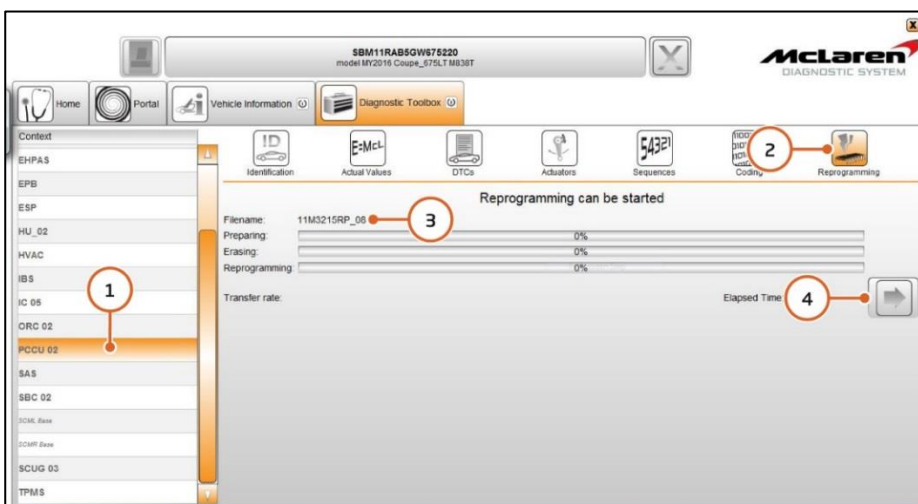
Select 'IBS' (1), then 'Reprogramming' (2), the software level 13M1080CP.13 will be displayed (3). Proceed to the software download by selecting the arrow button (4). Wait for 30 seconds before commencing reprogramming of the next control module



PCCU Software Update

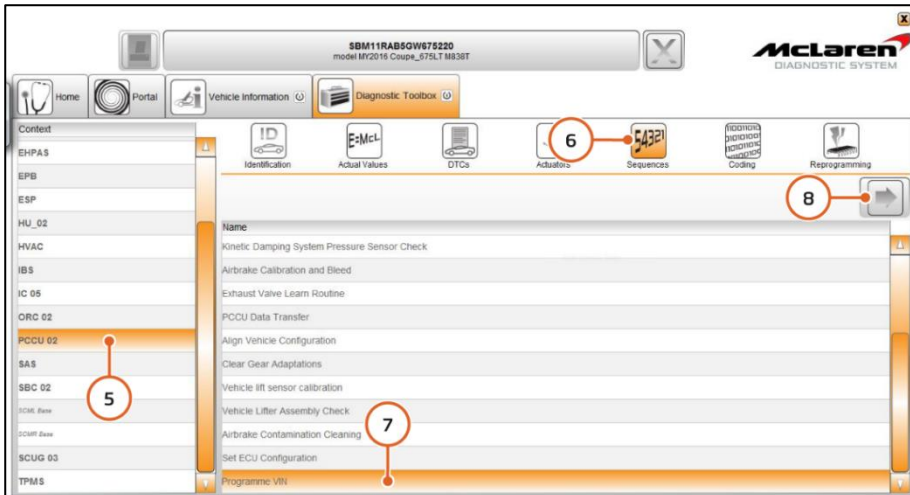
Step 22

Select 'PCCU_02' (1), then 'Reprogramming' (2), the software level 11M3215RP.08 will be displayed (3). Proceed to the software download by selecting the arrow button (4)



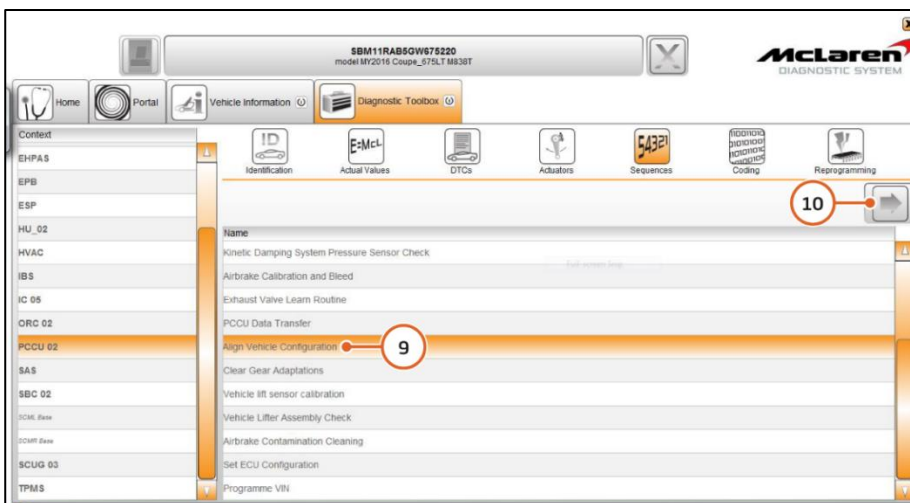
Step 23

Ensure the 'START/STOP' button is flashing and clear any DTC's before continuing with the procedure. Immediately after that, select 'PCCU' (5), then 'Sequences' (6), select 'Programme VIN' (7), followed by the arrow key (8)



Step 24

Select 'Align Vehicle Configuration' (9), followed by the arrow key (10)



Step 25

Press the 'START/STOP' button once to make the vehicle sleep and remove VCI

Step 26

Allow vehicle to sleep fully. Wait until the 'START/STOP' button stops being illuminated completely and wait a further 30 seconds

Step 27

After the 30 seconds period has elapsed, wake the vehicle up by pressing the 'START/STOP' button 3 times (2 times if a door is open)

Step 28

Ensure vehicle is in ignition state 5 and start the engine, then switch the engine off

Step 29

Perform a DTC read and clear from all modules. End the current MDS session to allow session feedback to be sent and stored at McLaren Automotive

HU Software Update:

Care Point:

- A USB memory stick with a minimum of 1GB capacity is required. The USB stick must be formatted in FAT32 and completely empty of any other content
- Do not turn off the engine or change the ignition state during the update process unless stated within this update procedure

The AIS application software is region specific and can be found in the following links which are password protected. The password will be supplied separately via email.

Select the appropriate link for your region from the table below:

Region	AIS Application Software Link
Europe	
North America, Asia Pacific (excluding Japan) Middle East, Africa and Latin America	
China	
Japan	

Download the compressed folder to your desktop and extract the 'fc6100_update.plf' file on your desktop. Then copy the 'fc6100_update.plf' file into the root folder of the USB memory stick.

Step 30

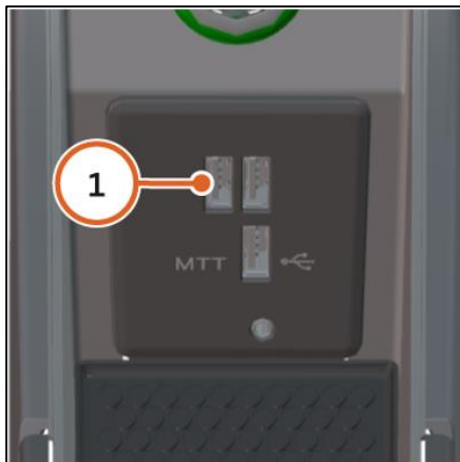
Switch the ignition on to ignition state 5 and start the engine

Step 31

Make a note of the options displayed on the Home Screen as this information will be required to configure the head unit (i.e. DAB, Navigation, SiriusXM etc.)

Step 32

Insert the USB memory stick with the application software into the USB socket (1)



USB socket location

Step 33

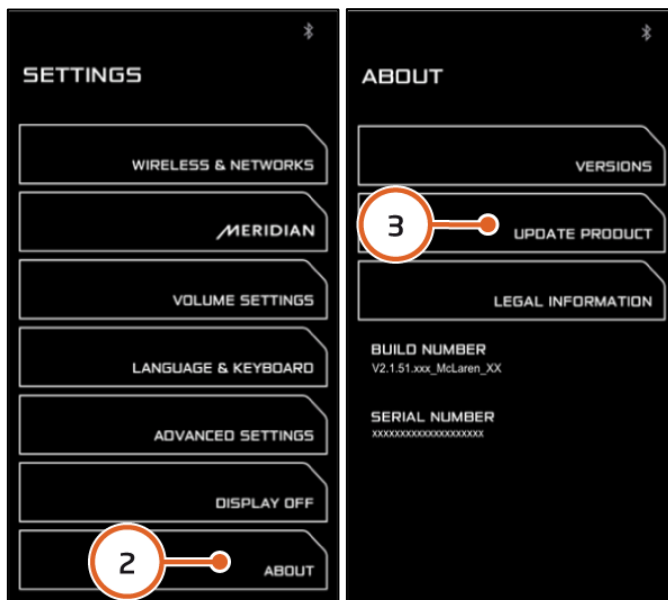
Once the USB has been inserted, the system should provide a message stating that a USB device has been detected

Step 34

Press the settings hard button on the IRIS console

Step 35

Select 'About' (2) and then 'Update Product' (3)



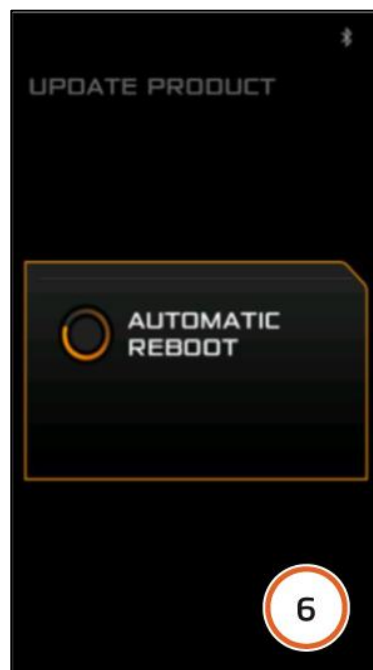
Step 36

On the following screen select 'Update by USB Stick' (4). A pop up message will be displayed. Press 'OK' (5) to start the loading operation



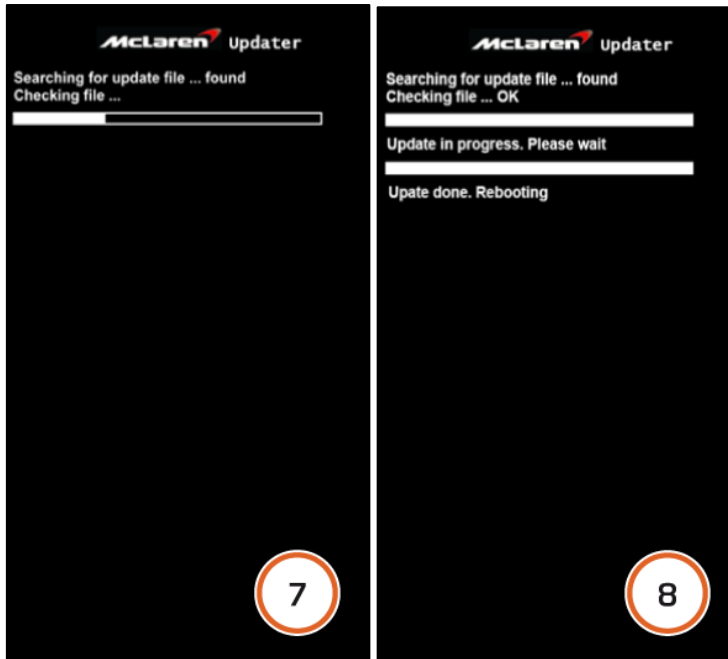
Step 37

The following screen will be displayed (6) and the system will reboot



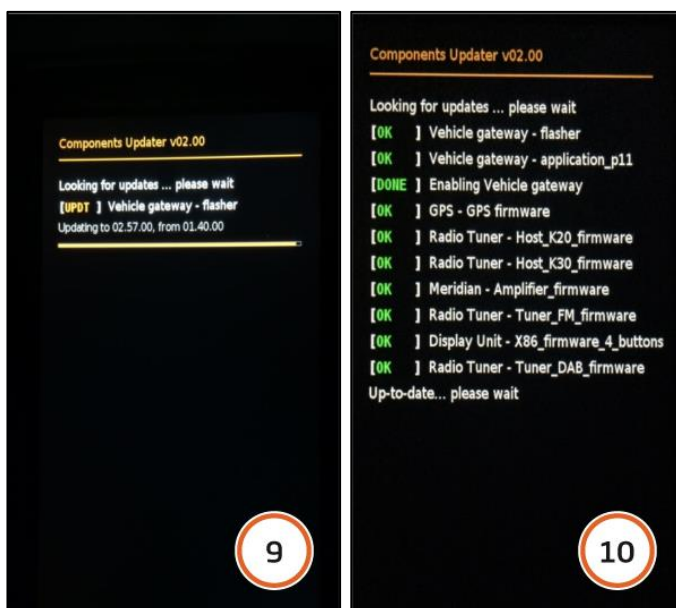
Step 38

After the system has rebooted it will search for and check the update file (7). Once the installation has finished the following screen will be displayed (8) and the system will reboot



Step 39

Following the reboot, the system will start to update the individual system components (9) and (10). During the update, the system may reboot multiple times. This is normal, do not attempt a manual reset



Care Point:

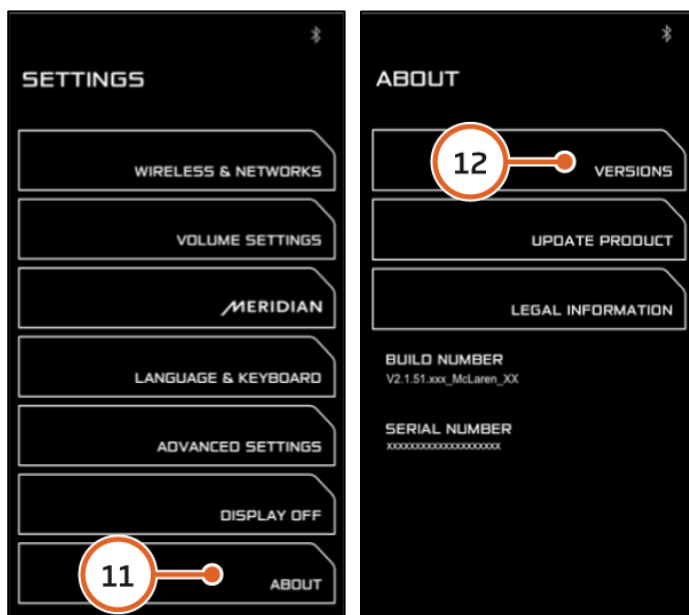
- In case the system should get stuck on the update screen if one of the component updates has failed, press and hold the home button for 45 seconds to force the system to reboot

Step 40

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

Step 41

Select 'About' (11) and then select 'Versions' (12)



Step 42

Confirm that the McLaren software part number matches the part number listed in the table on page 2 of this document

Step 43

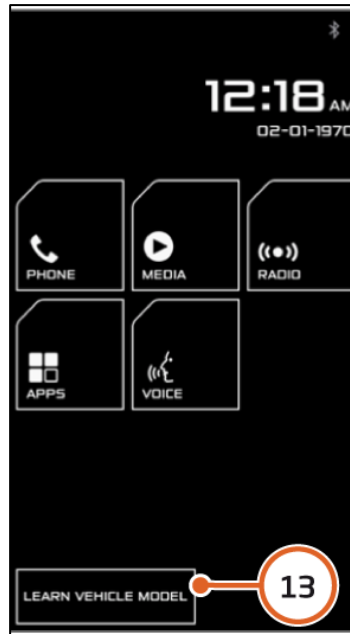
Press the Home button on the IRIS console to return to the home screen and remove the USB drive.

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 46

Step 44

Select 'Learn Vehicle Model' (13) 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

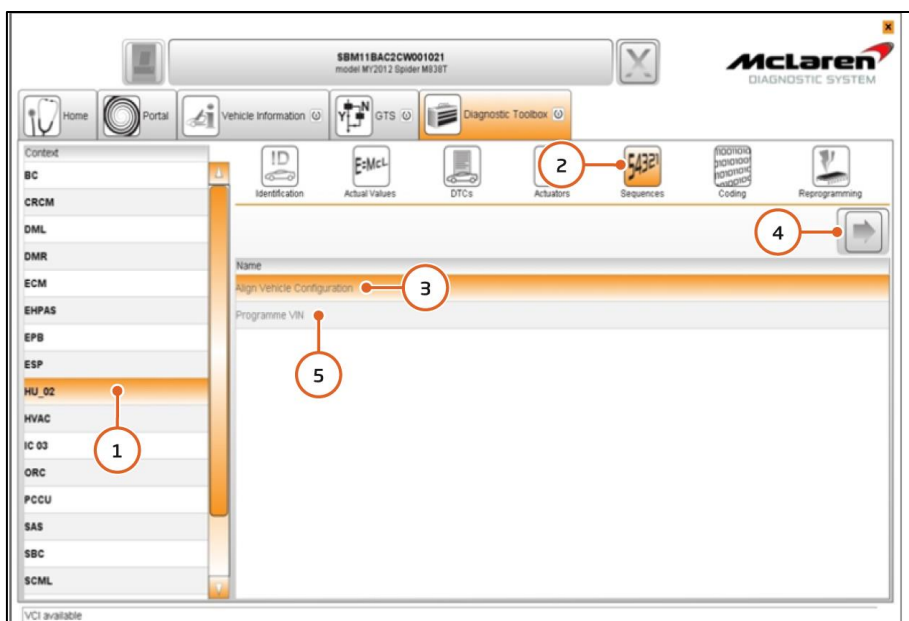


Care Point:

- The VCI must be connected to the MDS with the USB cable to perform the next steps

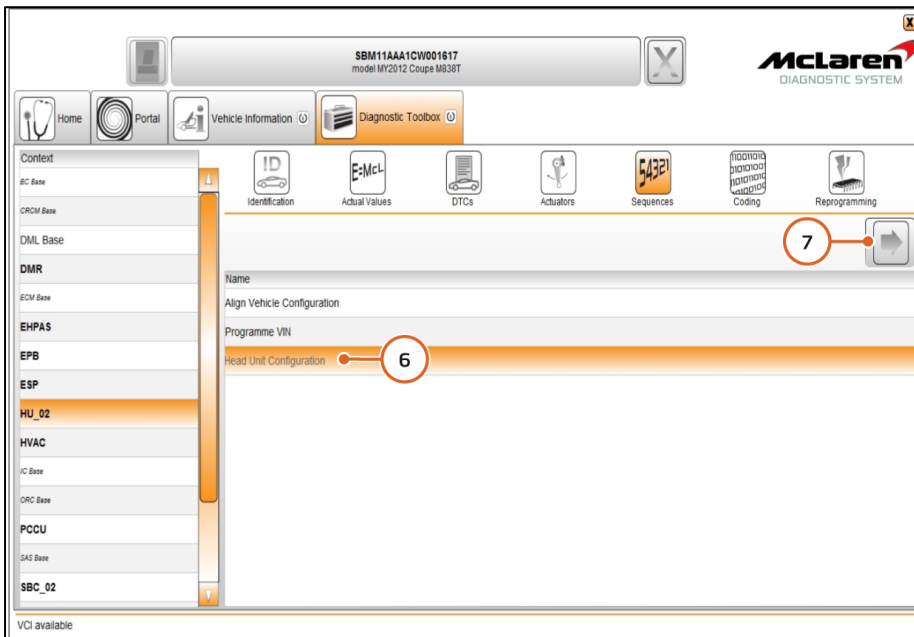
Step 45

Select 'HU' (1), then select 'Sequences' (2), select 'Align Vehicle Configuration' (3), followed by the arrow key (4). Then select 'Programme VIN' (5), followed by the arrow key (4)



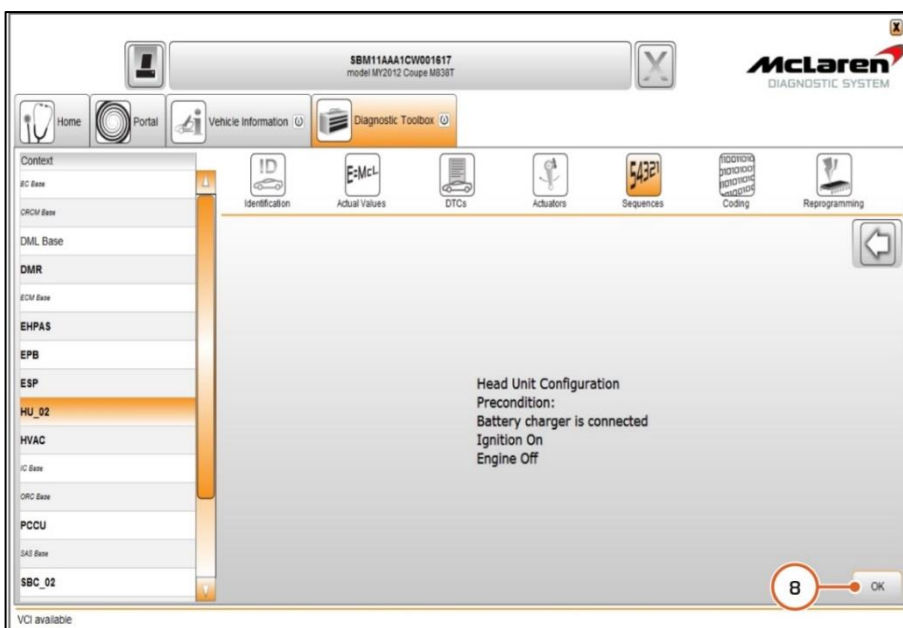
Step 46

Select 'Head Unit Configuration' (6), followed by the arrow key (7)



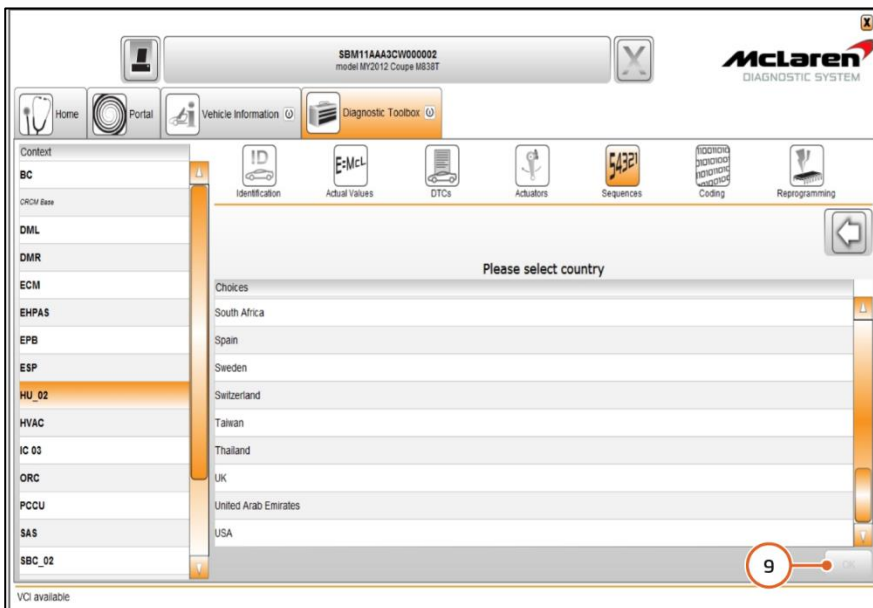
Step 47

The following screen will appear, select 'OK' (8)



Step 48

Select the relevant country, followed by 'OK' (9)

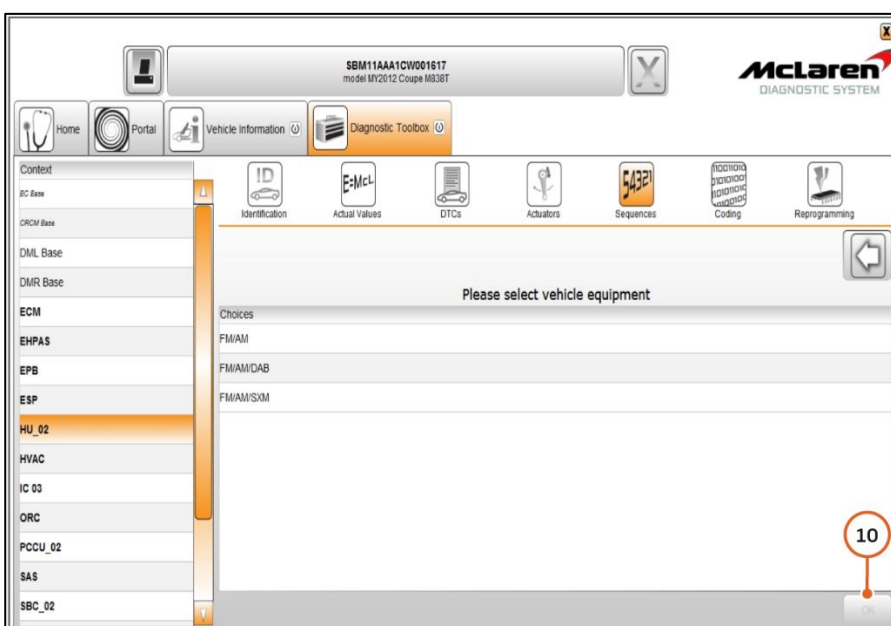


Care Point:

- The following screen may not appear if your market has no applicable options, proceed to step 52

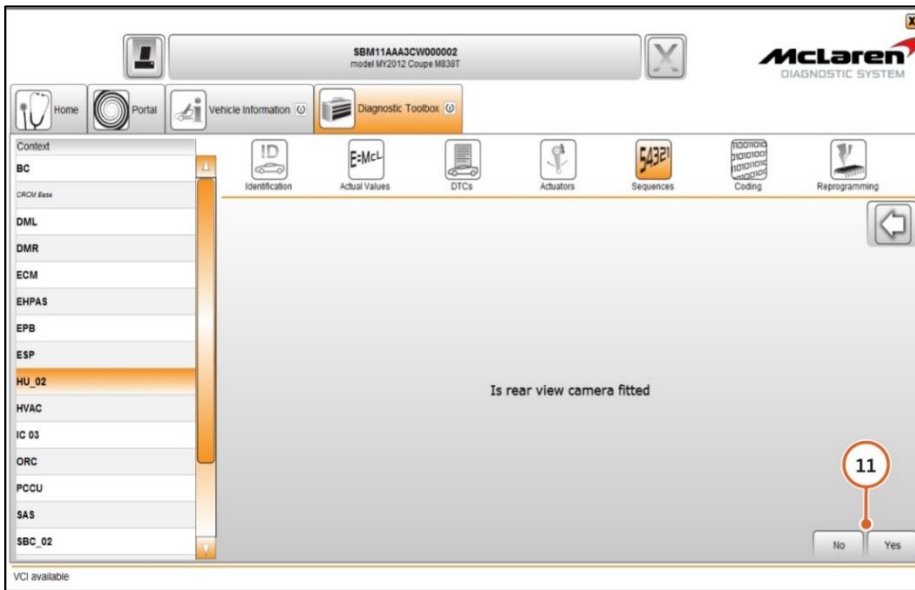
Step 49

Select the relevant radio frequency option, followed by 'OK' (10)



Step 50

Is rear view camera fitted, select 'Yes' or 'No' (11)

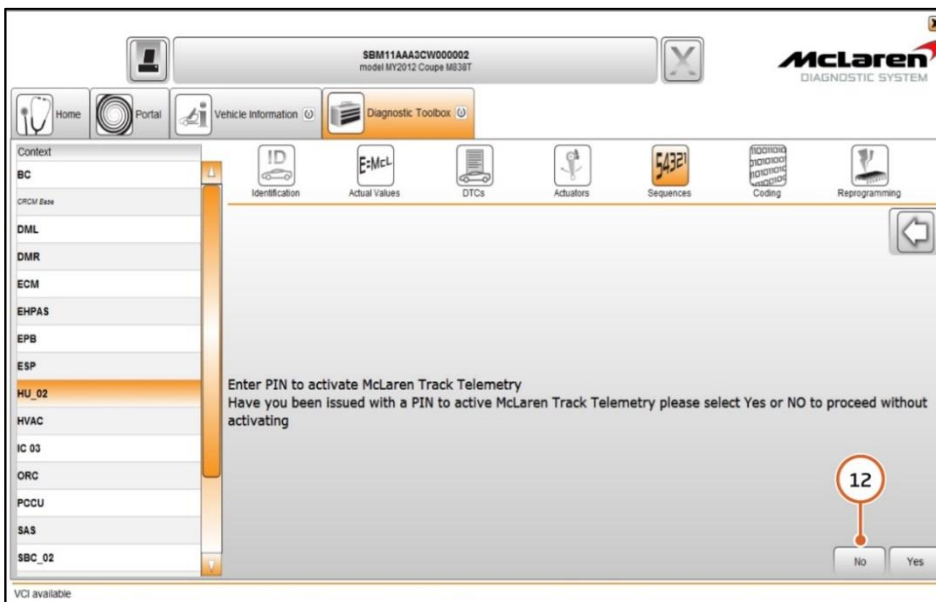


Care Point:

- The screenshot below may not appear as the database stored on the MDS may contain the VIN number

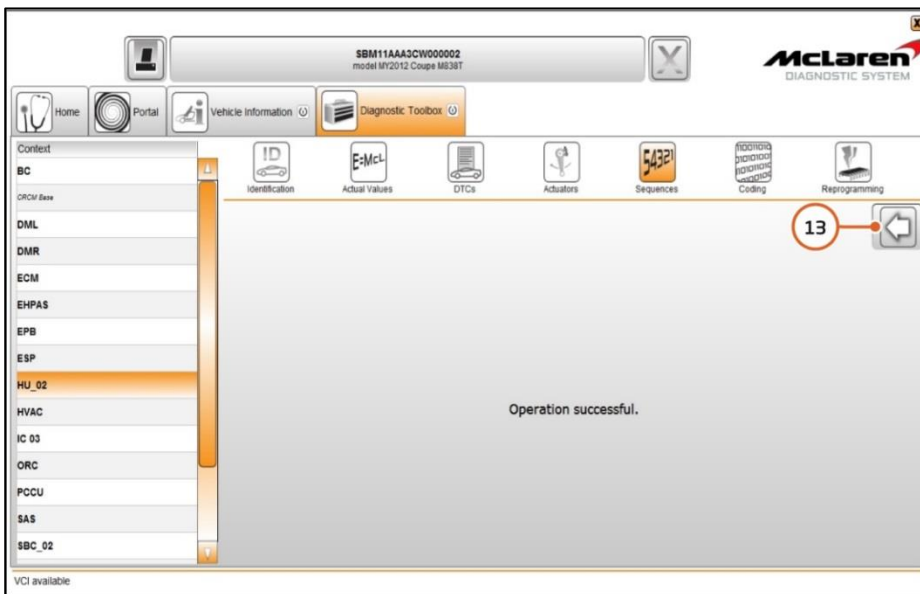
Step 51

Proceed and select 'No' (12)



Step 52

Operation successful will be displayed. Select the back arrow to exit the sequence (13)



Care Point:

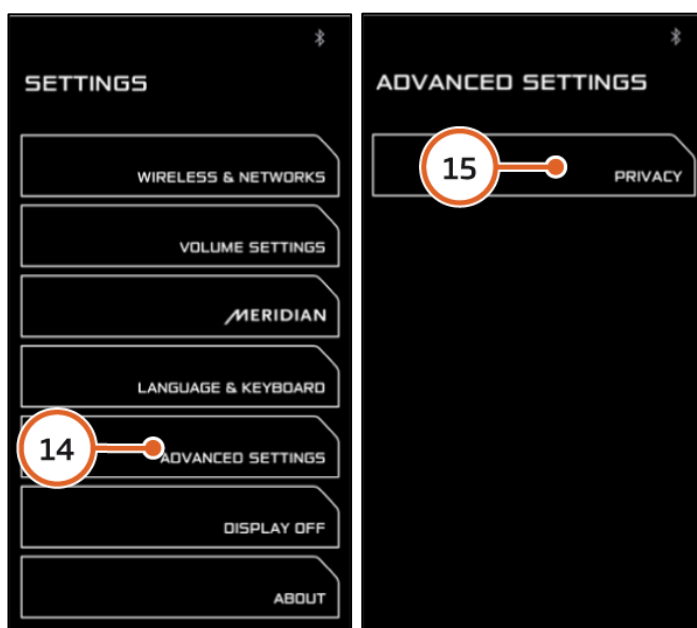
- Performing Factory Data Reset will delete the stored radio stations and paired phones

Step 53

Press the 'Settings hard button' on the IRIS console

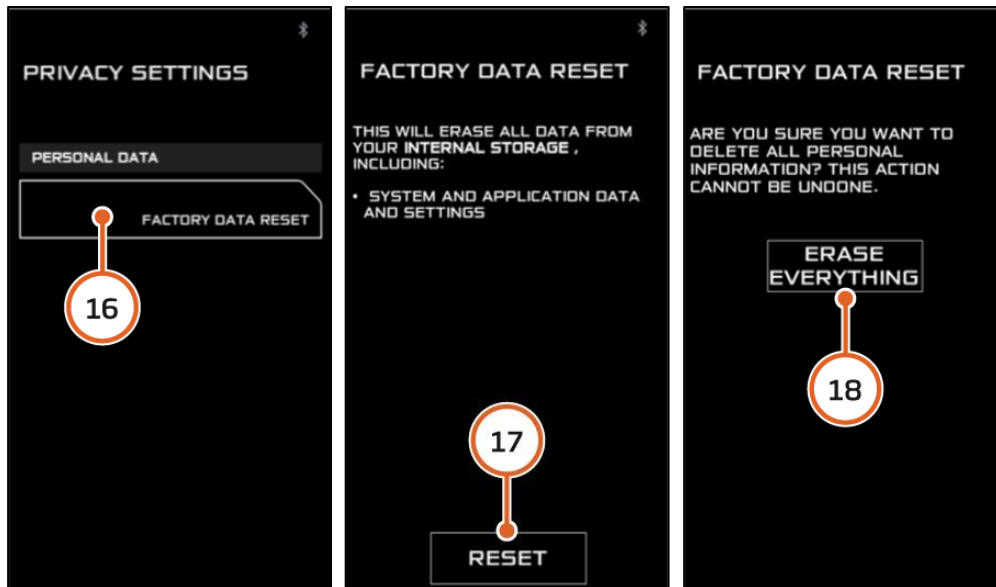
Step 54

Select 'Advanced Settings' (14) and then 'Privacy' (15) to access the Factory Data Reset



Step 55

Select 'Factory Data Reset' (16) followed by 'Reset' (17) and then 'Erase Everything' (18)



Step 56

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

Step 57

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

6. Affected Vehicles

Please contact your Regional Aftersales Manager for a list of affected vehicles.

If you have any questions, please speak to your Regional Aftersales Manager.

Best regards,

All bulletins (Information/Campaign/Recall) issued by McLaren Automotive Limited (“McLaren”) are intended only for use by technicians who have attended McLaren technical training courses. McLaren trained technicians have the equipment, tools, safety instructions and the know how to perform the job properly and safely. McLaren bulletins are written to inform McLaren technicians of conditions that may occur on some McLaren vehicles, or to provide information that could assist diagnosing a McLaren vehicle. Part numbers listed in McLaren bulletins are for reference only. Always check with the parts department to verify the latest part numbers.

Warranty Information

Description	Resolution Code	Repair Time
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Software Platform Update to 5.3	CPCPC302A33A4A01	1.25 Hours
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Please be aware the warranty claim for vehicles outside of the manufacturer’s warranty period will be accepted.

Parts Information

Description	Part Number	Quantity	Order Process
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N/A	N/A	N/A	N/A
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