

SERVICE CAMPAIGN BULLETIN

CAMPAIGN REF: 020
TITLE : Module Software Platform Update to 8
DOCUMENT # : 11 M 070
AFFECTED VEHICLES : 650S Coupe and Spider

SITUATION : Quality Engineering at McLaren Automotive have released a new software platform for the McLaren 650S.

The most noticeable customer benefits of this software are:

- Fuel level full is now displayed when brimmed.
- HVAC flutter.
- Intermittent loss of Meridian sound.
- Navigation day and night debounce corrected.
- SiriusXM module identification number now being displayed.
- Left-Hand IC displayed maybe become inverted.
- Reverse camera picture frozen.

PROCEDURE : 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.

MODULE	NEW SOFTWARE PART NUMBERS
Instrument Cluster (IC)	11M3204CP.02 Coupe 11M3203CP.02 Spider
Door Module Left (DML)	11M2984CP.03
Door Module Right (DMR)	11M2986CP.03
Heating Ventilation and Air-Conditioning (HVAC)	11A4742CP.17
Powertrain Chassis Control Unit (PCCU)	11M3070CP.06
Head Unit (HU) Application Software	11M2909CP.46 Europe 11M2910CP.46 Rest of World 11M2911CP.46 China/Hong Kong

REMOVAL:

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

Care Point: In order to avoid personal injury and damage to the vehicle, do not connect the positive terminal (+) 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.

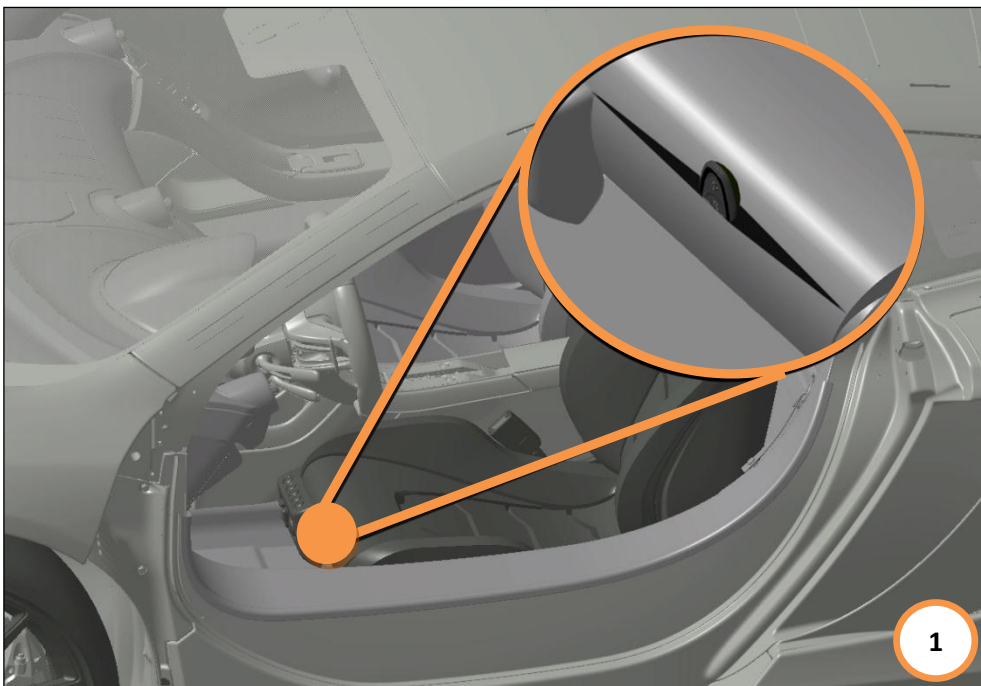
2. Keep the battery on charge, using a Deutronic battery charger during the software downloading procedure.

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

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

Care Point: During the software download process, it is normal for the instrument cluster displays to extinguish temporarily and display the IC software levels.

Care Point: The key must be positioned in the driver's seat front pocket, picture below (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.07.

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
SCM Base				none

IC SOFTWARE UPDATE:

1. Connect the McLaren Diagnostic System (MDS) to the vehicle.
2. Select IC_04 (1), then Reprogramming (2), the correct software variant applicable to your vehicle will be displayed (3), then proceed to the software download by selecting the arrow button (4).

Context: BC, DML, DMR, ECM_02, EHPAS, EPB, ESP, HU_02, HVAC, **IC_04**, ORC_02, PCCU_02, SAS, SBC_02, SCM Base, SCMR Base, SCUG_02, TPMS

Reprogramming can be started

Filename: 11M3204CP_02

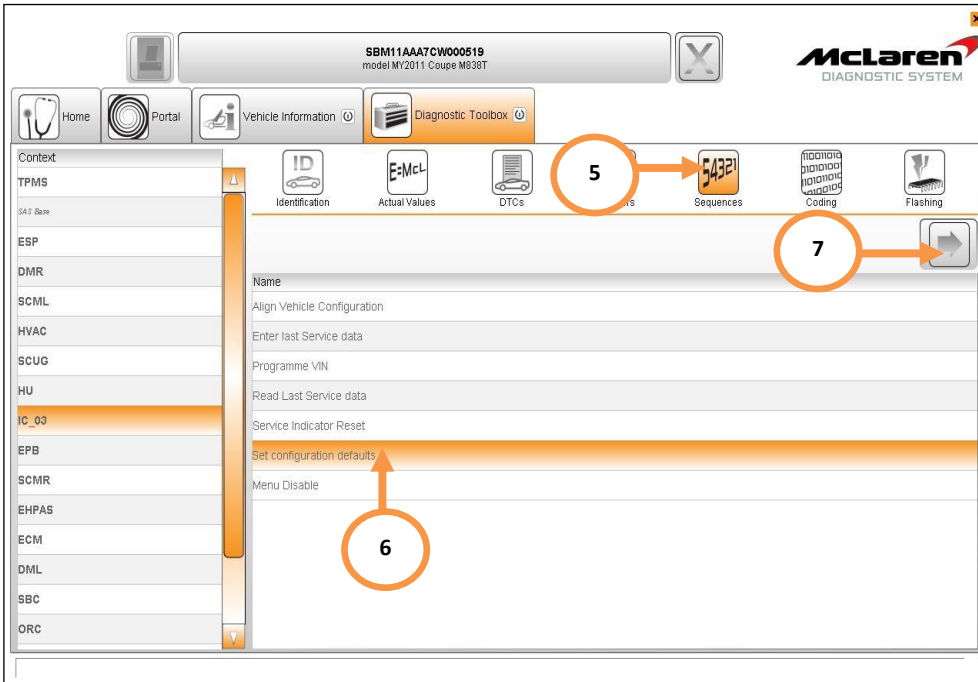
Preparing: 0%

Erasing: 0%

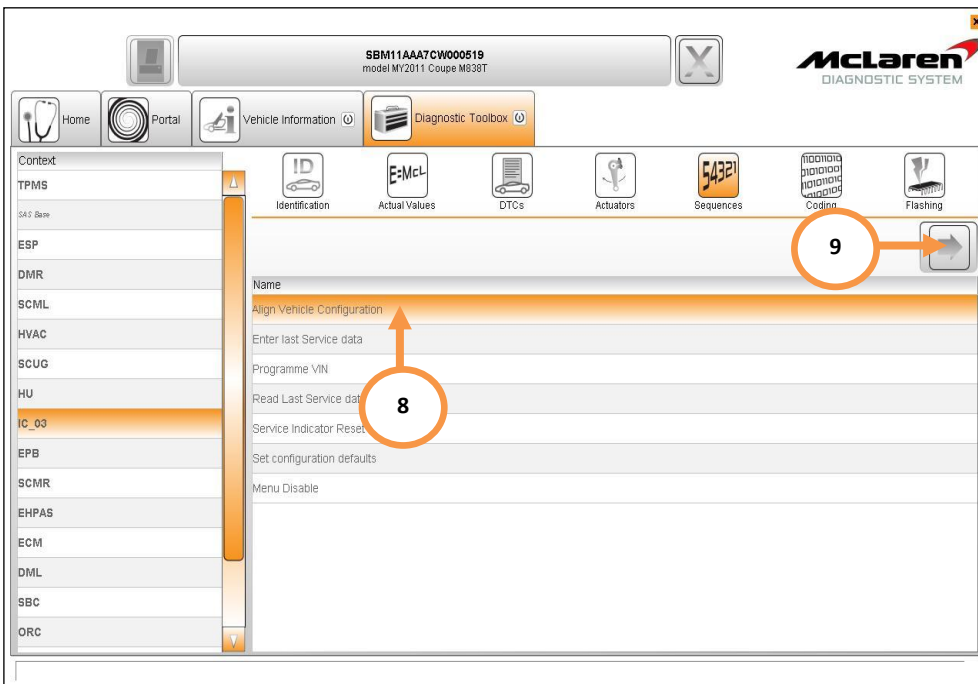
Reprogramming: 0%

Transfer rate: Elapse

3. Select Sequences (5), select set configuration defaults (6) then select the arrow button to proceed (7).

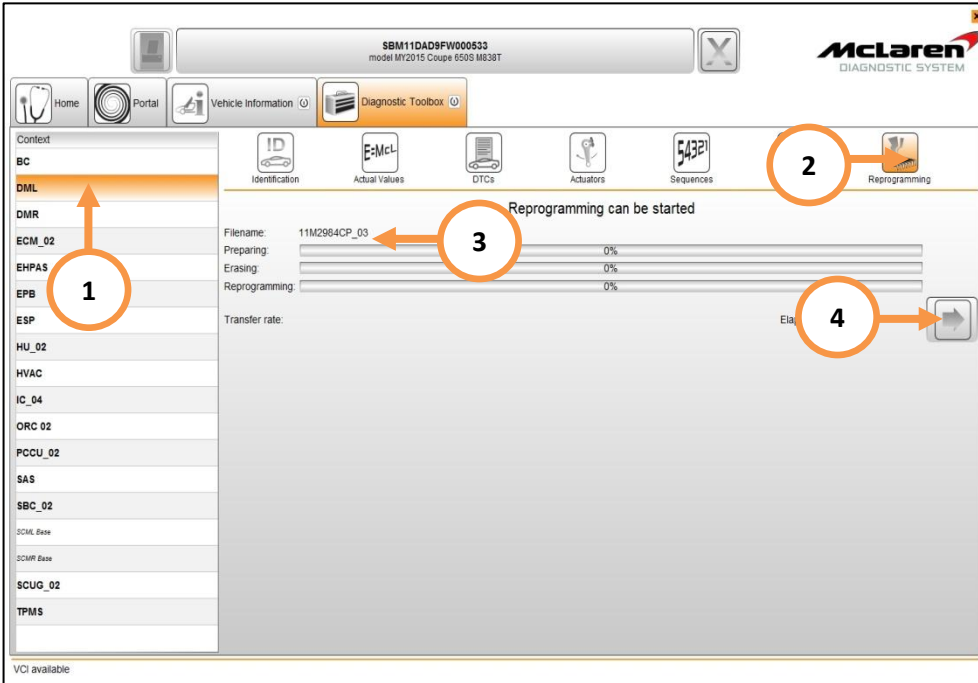


4. Select Align Vehicle Configuration (8), followed by the arrow key (9).

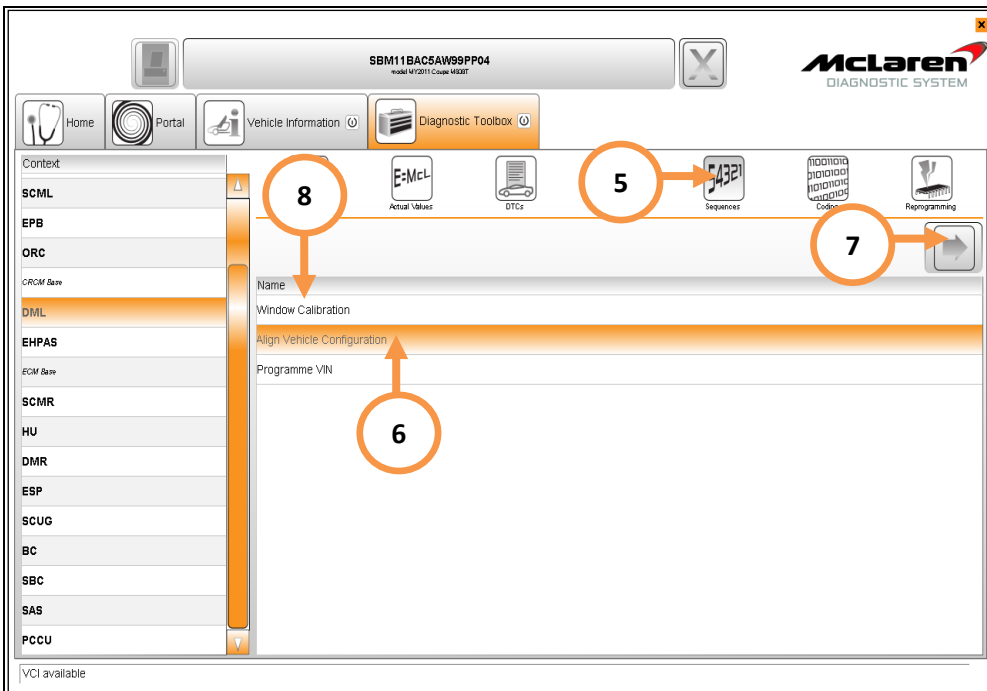


DML SOFTWARE UPDATE:

5. Select DML (1), then Reprogramming (2), the software level 11M2984CP.04 will be displayed (3) then proceed to the software download by selecting the arrow button (4).



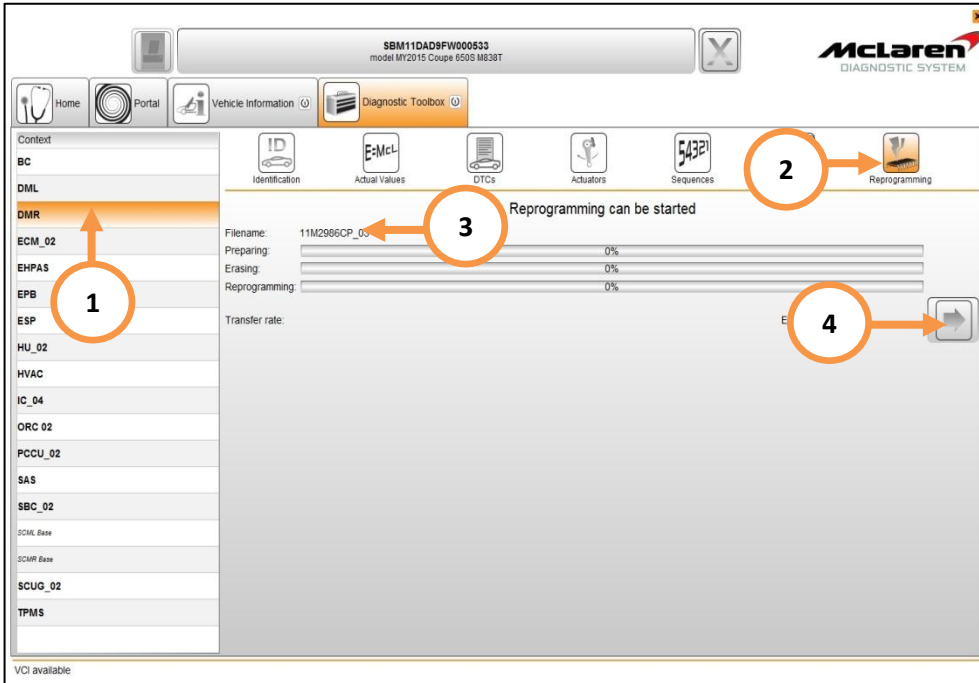
6. Select Sequences (5), select Align Vehicle Configuration (6), followed by the arrow key (7).



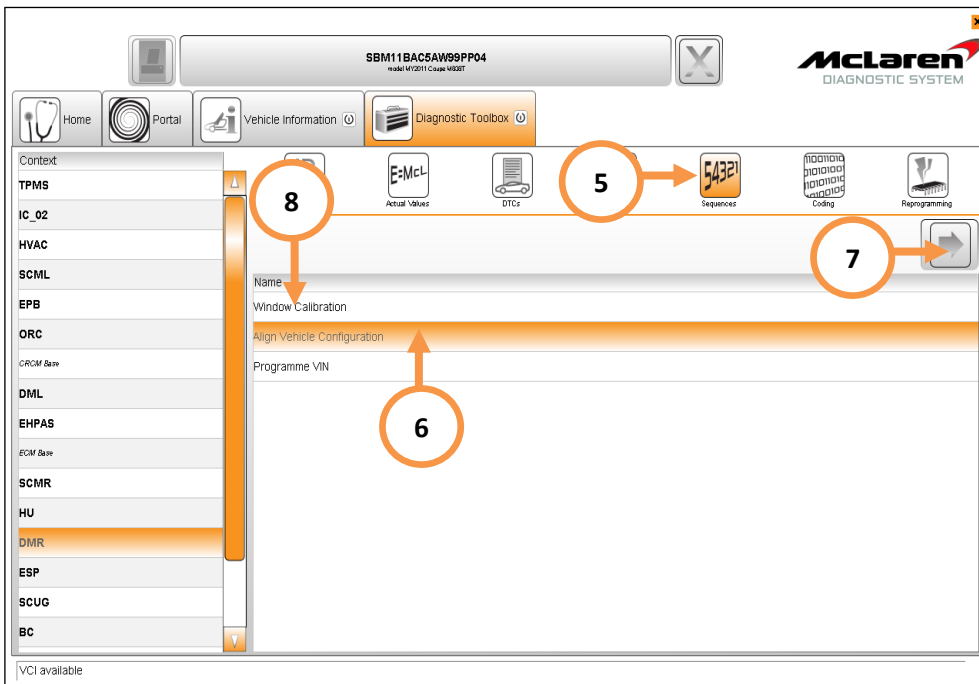
7. Select Window Calibration (8), followed by the arrow key (7).

DMR SOFTWARE UPDATE:

8. Select DMR (1), then Reprogramming (2), the software level 11M2986CP.03 will be displayed (3), and then proceed to the software download by selecting the arrow button (4).



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

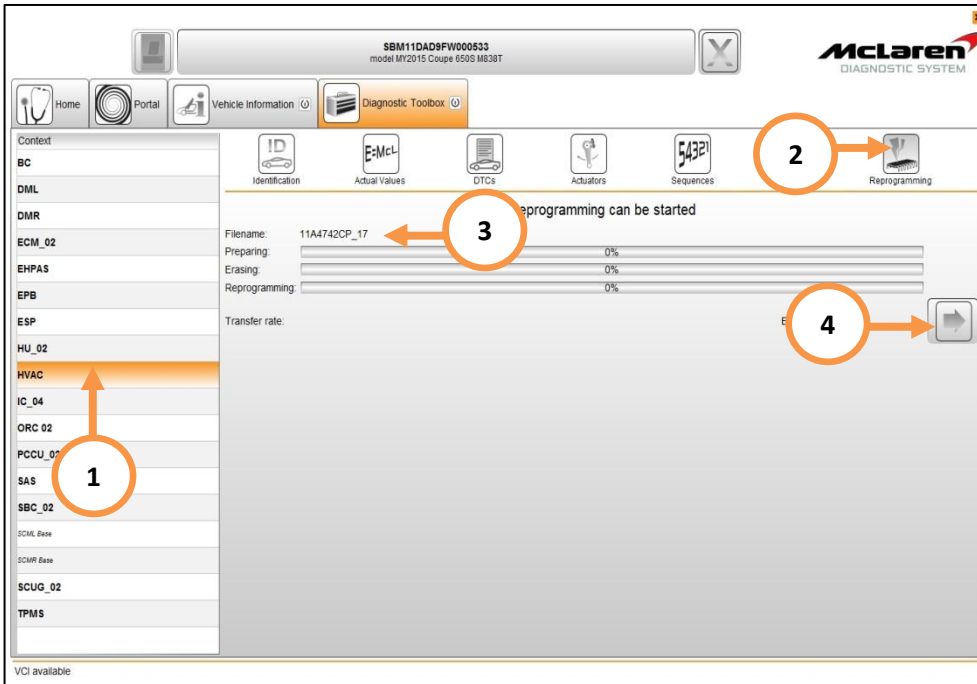


10. Select Window Calibration (8), followed by the arrow key (7).

HVAC SOFTWARE UPDATE:

Care Point: DTC B1A3A00 HVAC: Config Reset can be ignored.

11. Select HVAC (1) then Reprogramming (2), the software level 11A4742CP.17 will be displayed (3), and then proceed to the software download by selecting the arrow button (4).

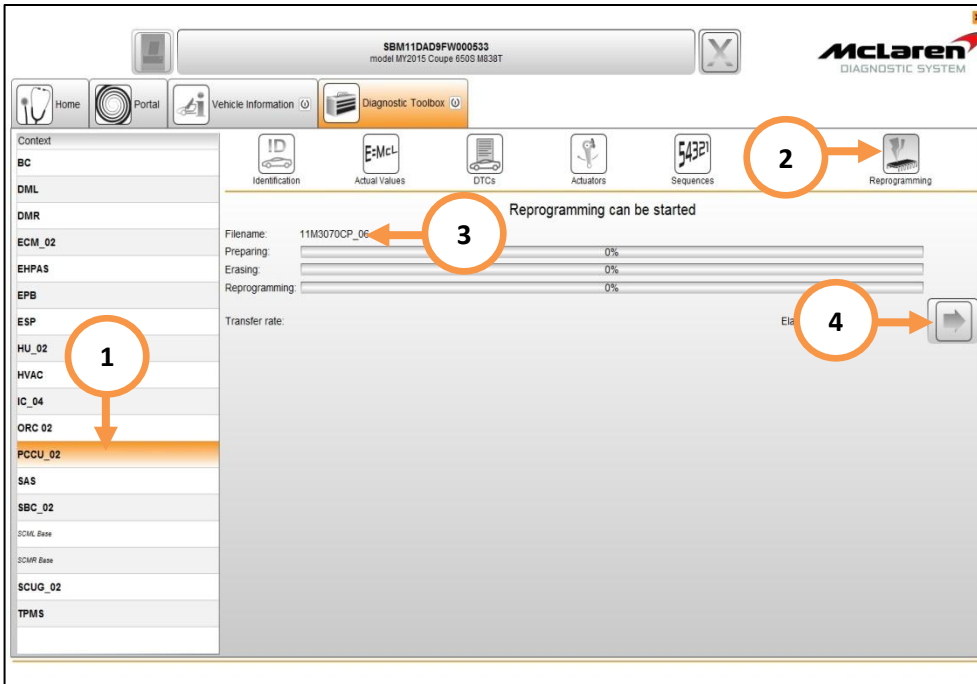


12. After the HVAC has been updated, the HVAC display panel may show the CAL symbol while the system performs a self calibration. When completed, the CAL symbol will disappear from the display.

PCCU SOFTWARE UPDATE

Care Point: During the downloading sequence the system may state preconditions or post conditions failed. These are erroneous messages and can be ignored. Only a programming failed message should be noted as a legitimate failure.

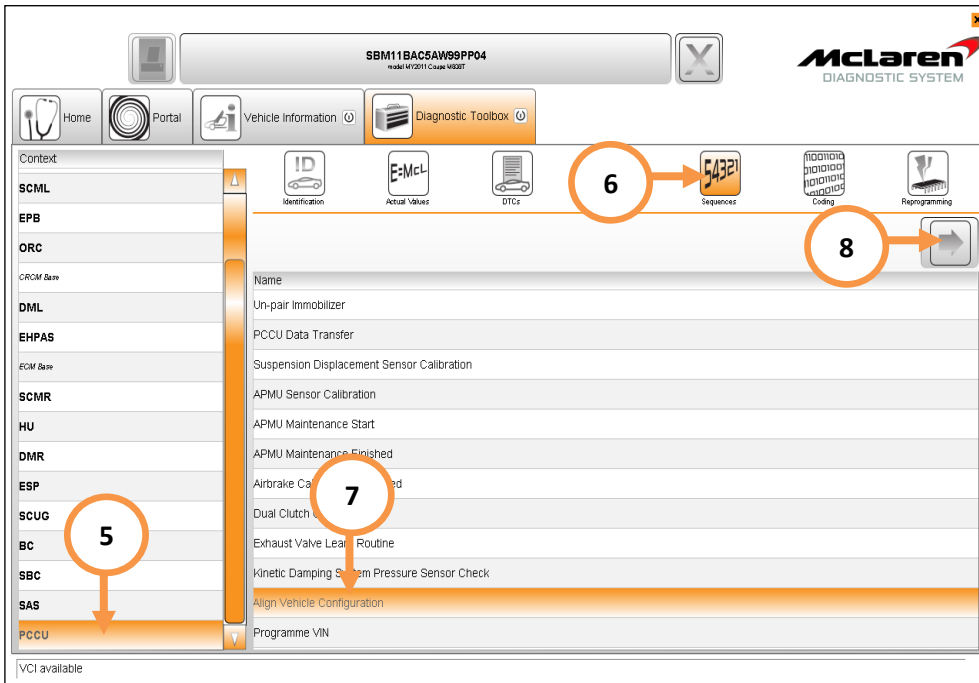
13. Select PCCU_02 (1), then Reprogramming (2), the software level 11M3070CP.06 (3), then proceed to the software download by selecting the arrow button (4).



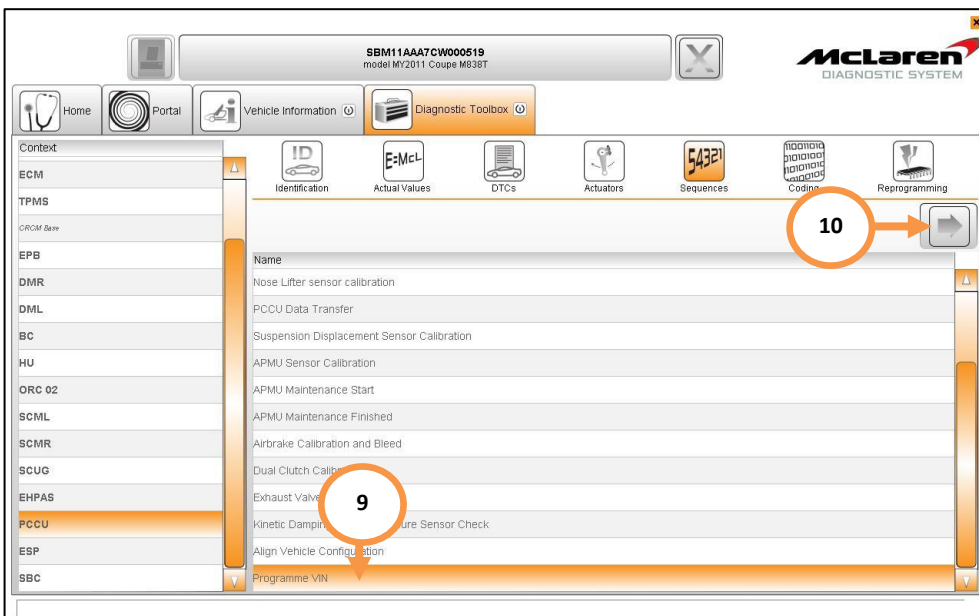
Care Point: HVAC DTC's U015500 CAN Missing IC and B1A3700 Kept Awake may not delete these can be ignored.

14. Cycle the ignition (off on off on) and wait for 30 seconds. Place the vehicle into a sleep mode, and then establish the vehicle back into ignition state 5. Clear any DTC's before continuing on with the procedure.

15. Select PCCU (5), then Sequences (6), select Align Vehicle Configuration (7), followed by the arrow key (8).



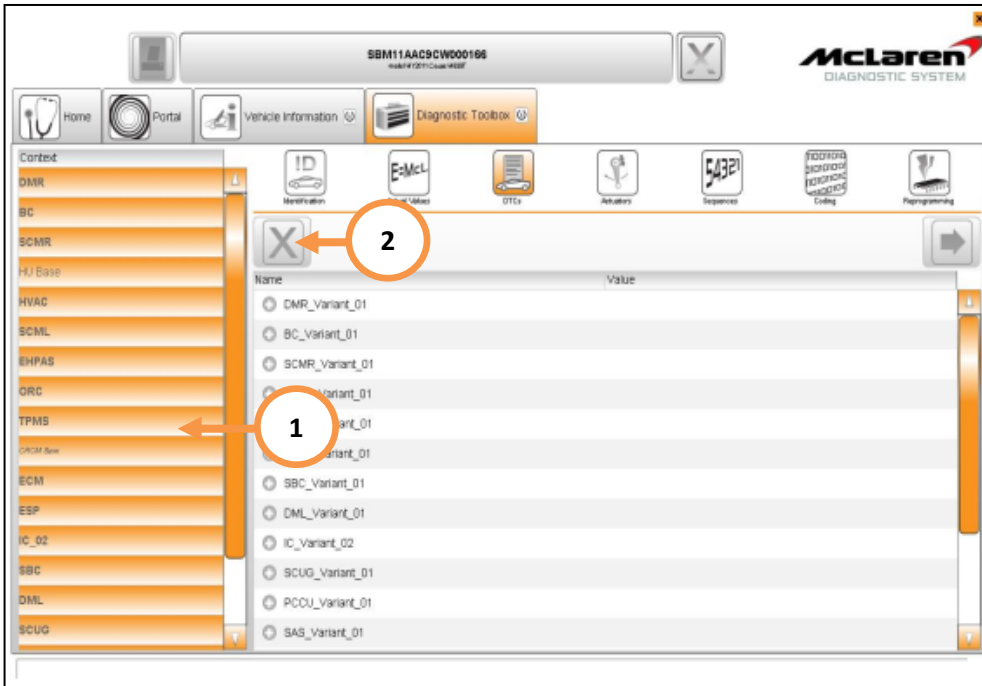
16. Select Programme VIN (9), followed by the arrow key (10).



17. Cycle the ignition (off on off on) and wait for 30 seconds.

IRIS AIS APPLICATION SOFTWARE UPDATE

18. Please refer to Service Campaign Bulletin - 11 M 078 AIS Infotainment IRIS System Update to Platform 8.5 to update the Application and Map software.
19. Select and highlight all items within the context fields (1) and perform a global clear of all DTC's (2).



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

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

WARRANTY INFORMATION

DESCRIPTION	RESOLUTION CODE	TOTAL REPAIR TIME
Module Platform Update to 8	M0M30126A33A4A07	0.75 hours

PARTS INFORMATION

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