

SERVICE CAMPAIGN BULLETIN

TITLE:	Vehicle Software Update to Platform 6.2
CAMPAIGN REFERENCE:	04D
DOCUMENT NUMBER:	13 M 010
AFFECTED VEHICLES:	Sports Series
SITUATION:	<p>McLaren Automotive have released a new software platform for Sports Series vehicles.</p> <p>The customer improvements included in this software update are:</p> <ul style="list-style-type: none">• Heating Ventilation and Air-Conditioning (HVAC) flutter reduced.• Changes to the battery management strategy.
PROCEDURE:	<p>This software update must be completed on all vehicles within your Aftersales car parc, when carrying out Pre-Delivery Inspections (PDI) or at the next service centre visit.</p>

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

Software Part Numbers	
Module	Platform 6 - 6.2
BC	13M1276CP.07
DML	13M0778CP.05
DMR	13M0779CP.05
ECM	13M1465CP.04 570S European/ROW 13M1340CP.04 570S Federal 13M1470CP.04 540C European/ROW 13M1469CP.04 540C Federal
EPB	
EHPAS	
ESP	
FWM	
HU_02	
HVAC	13M0489CP.09 13M0489GP.04 570GT
IC	
IBS	13M1080CP.13
ORC	
PCCU	
SAS	
SBC	13M1275CP.09
SCUG	
SCML	
SCMR	
TPMS	

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.

Care Point: Ensure your Deutronic battery charger settings have been updated as per Service Information Bulletin 11 M 001 - Battery and Charging Information (Version 3).

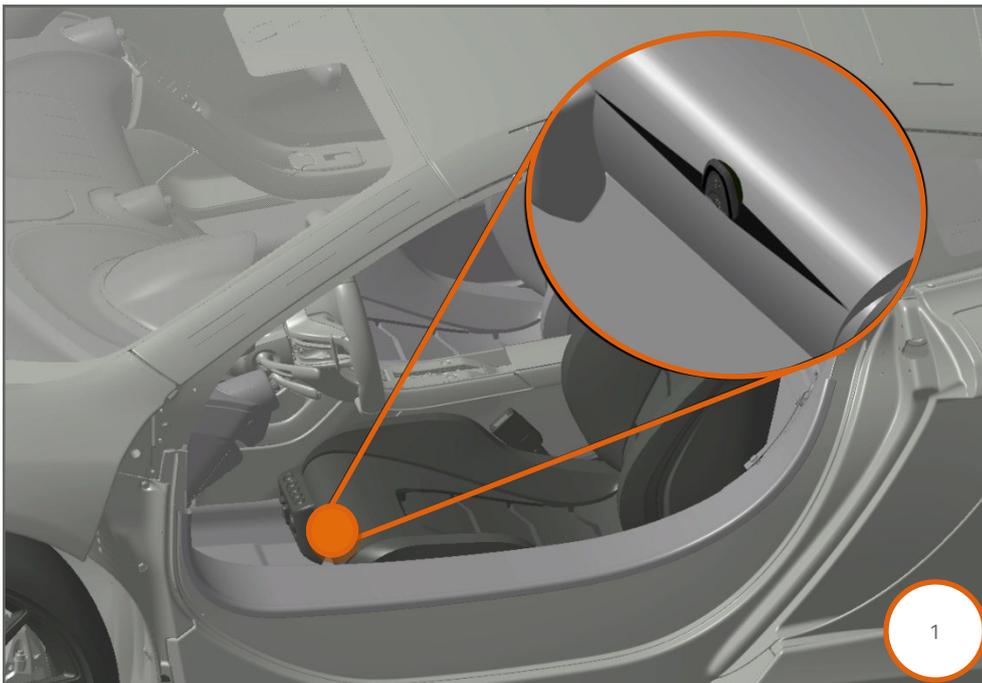
Care Point: Prior to reprogramming the IBS, the 12V battery must be fully charged. This is confirmed when the Deutronic battery charger displays >14.2 Volts and < 5 Amps current.

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 the software reprogramming procedure.

Care Point: The vehicle must be in ignition state 5 during reprogramming of all modules.

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

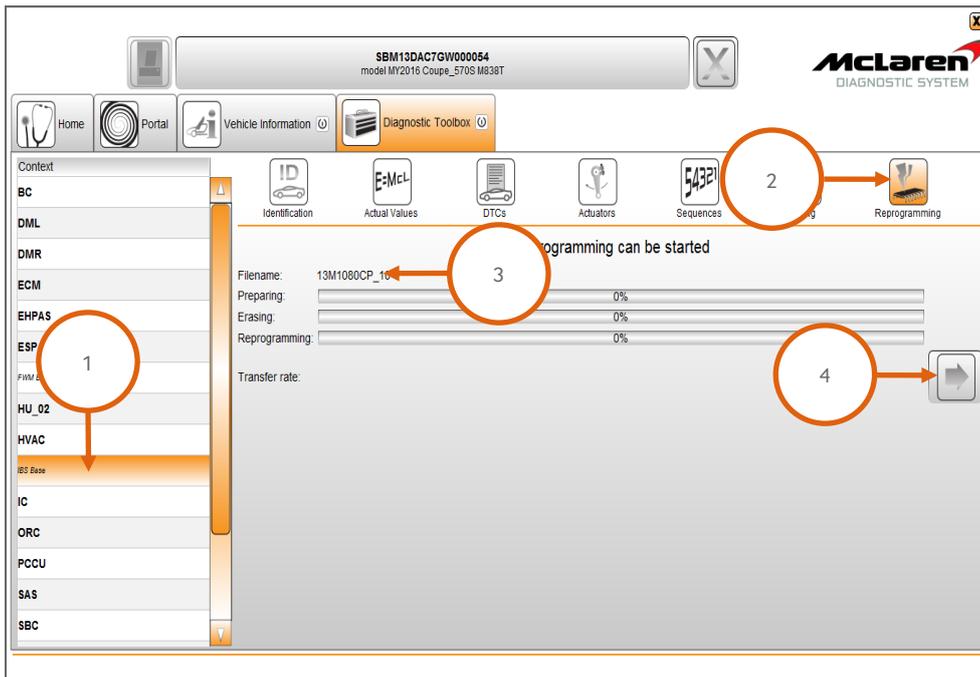


IBS Software Update:

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

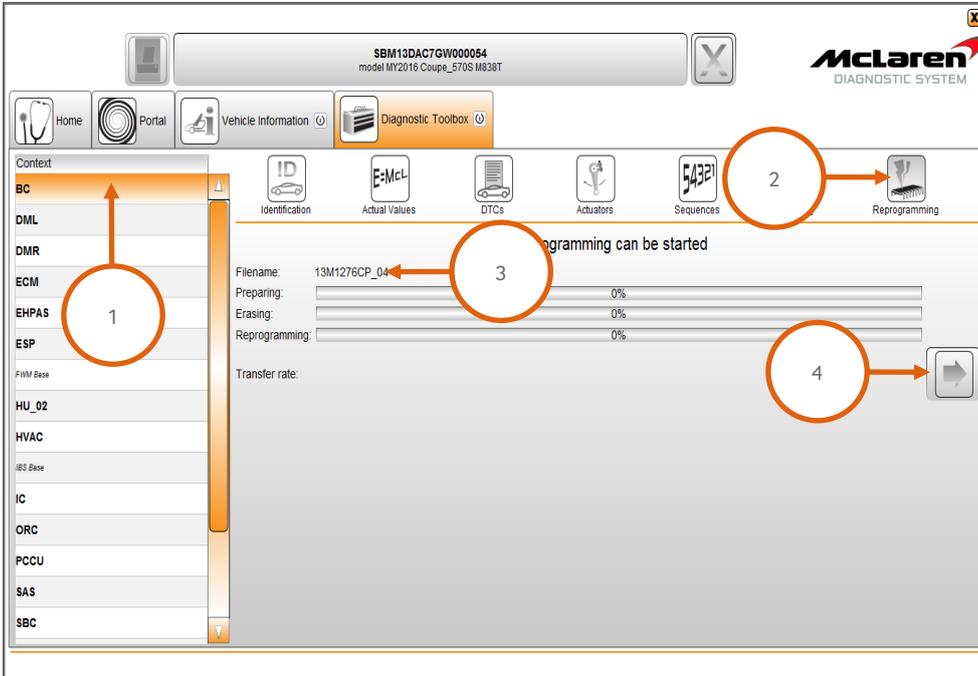
Care Point: *IBS_Base* may be displayed in italics.

3. 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).

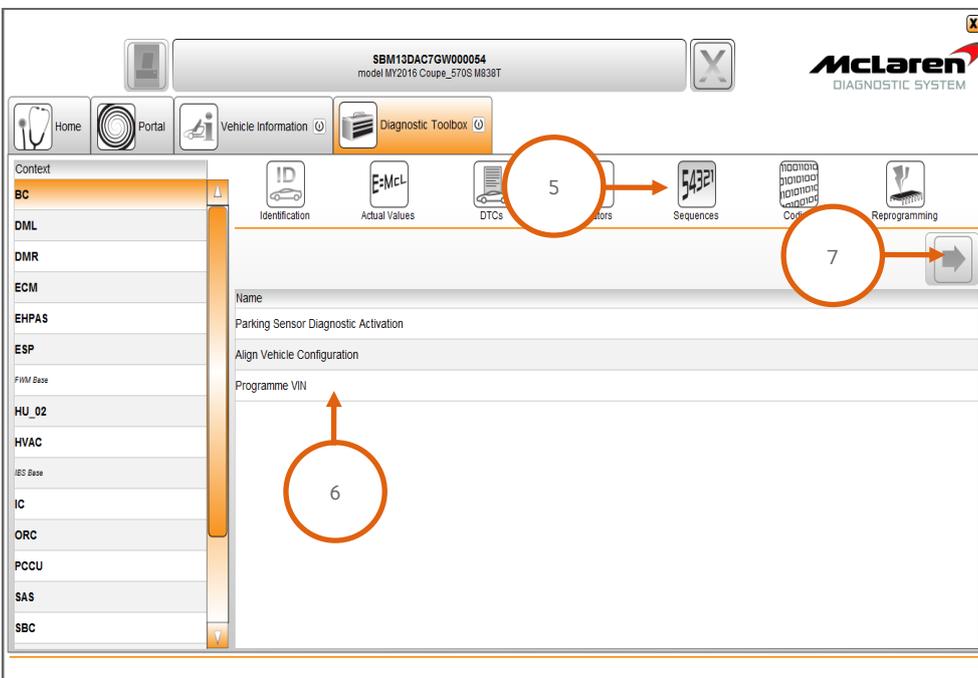


BC Software Update:

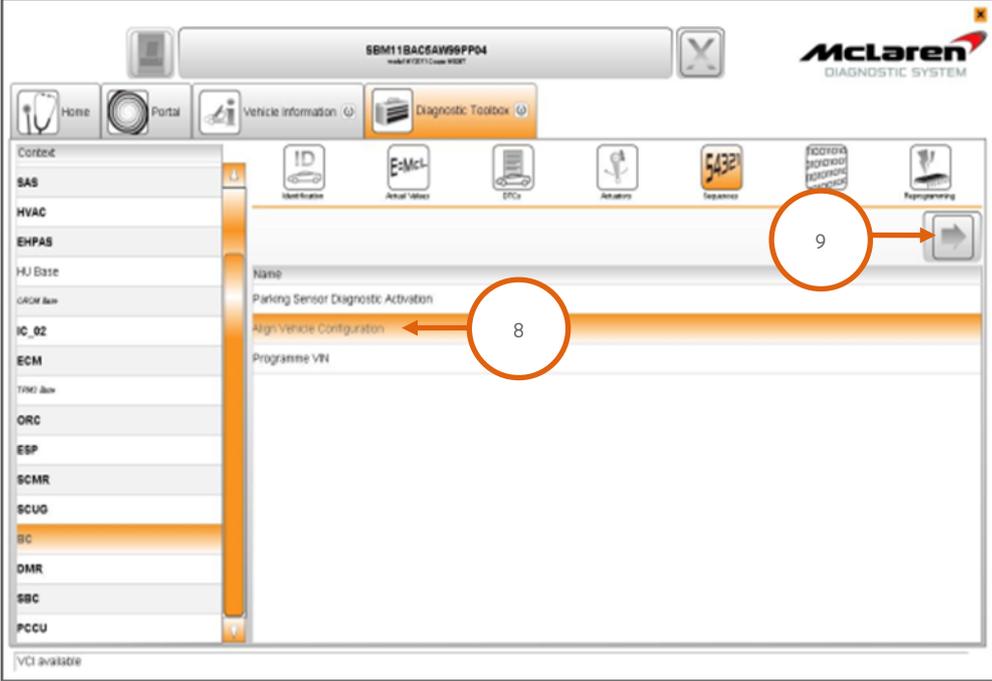
4. Select BC (1), then Reprogramming (2), the software level 13M1276CP.07 will be displayed (3). Proceed to the software download by selecting the arrow button (4).



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

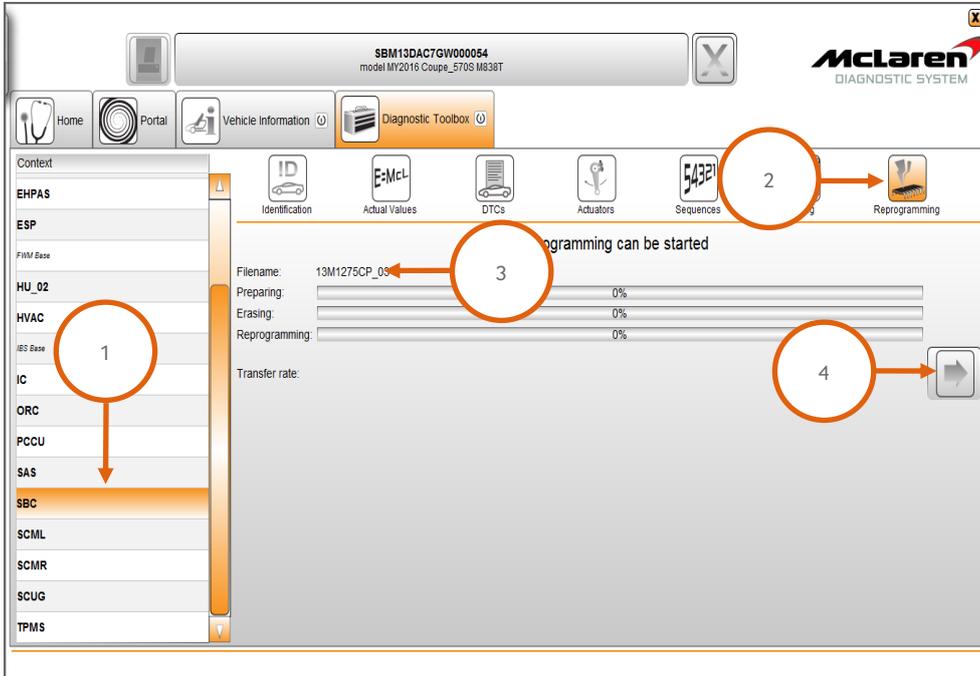


6. Select Align Vehicle Configuration (8), followed by the arrow key (9).

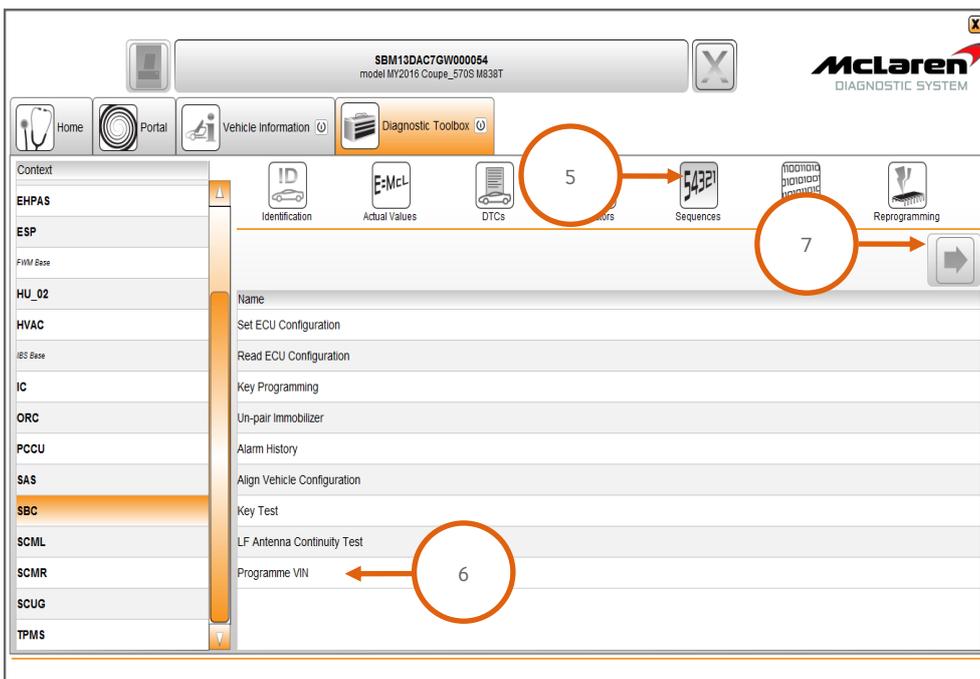


SBC Software Update:

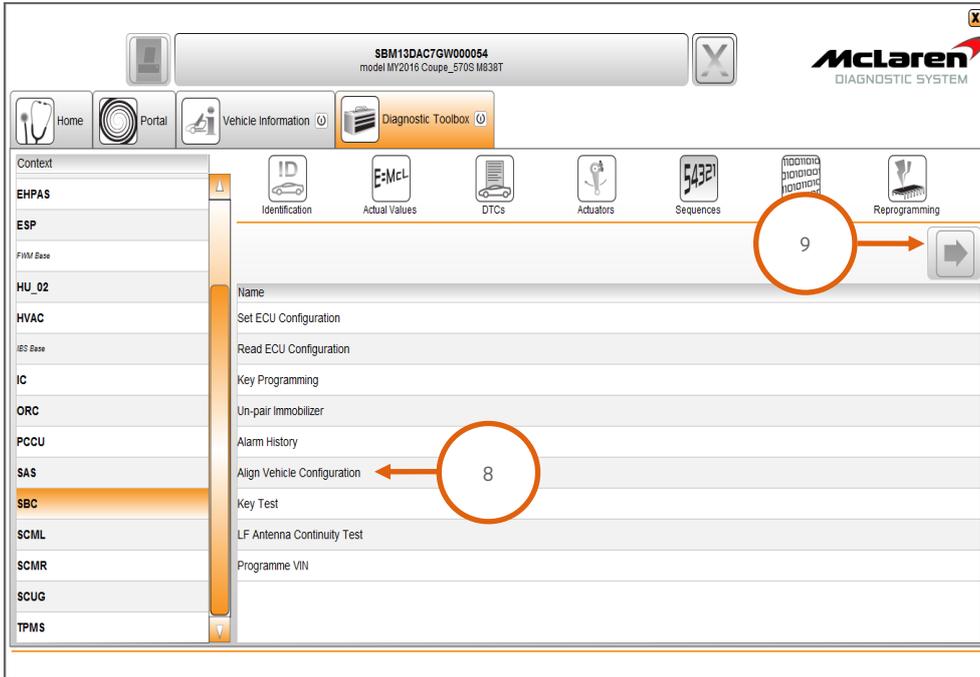
7. Select SBC (1), then Reprogramming (2), the software level 13M1275CP.09 will be displayed (3). Proceed to the software download by selecting the arrow button (4).



8. Once the software download has been successfully completed, programming will force a sleep cycle to occur.
 9. After one minute, press the unlock, lock and then the unlock button on the key and then establish the vehicle into ignition state 5 before following the next steps.
 10. 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 after the programming is complete.

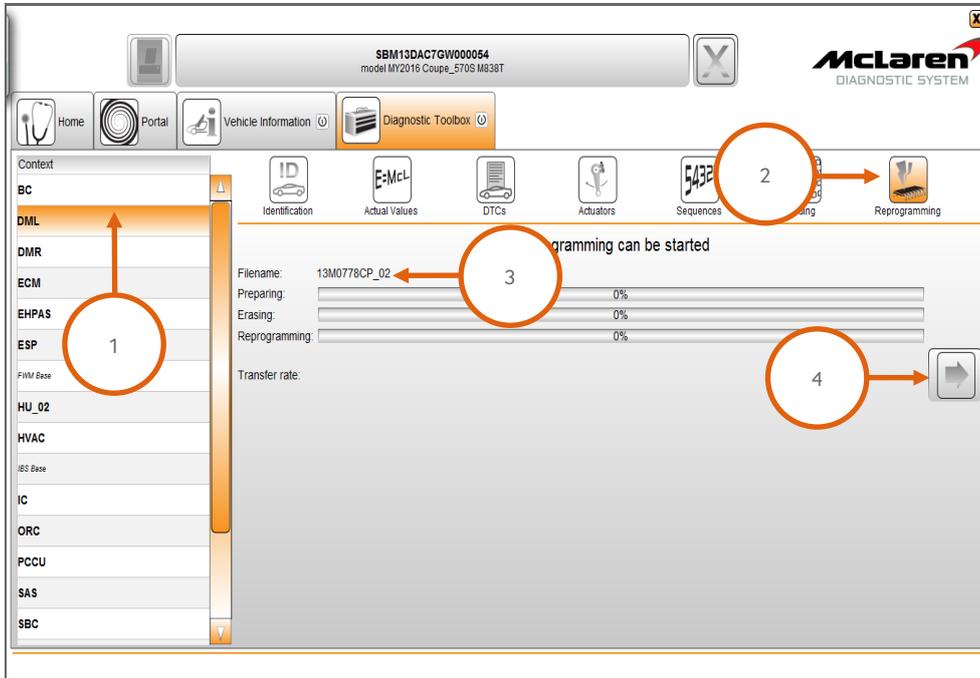


11. Press the unlock button on the key and then establish the vehicle into ignition state 5 before following the next steps.
12. Select Align Vehicle Configuration (8), followed by the arrow key (9).

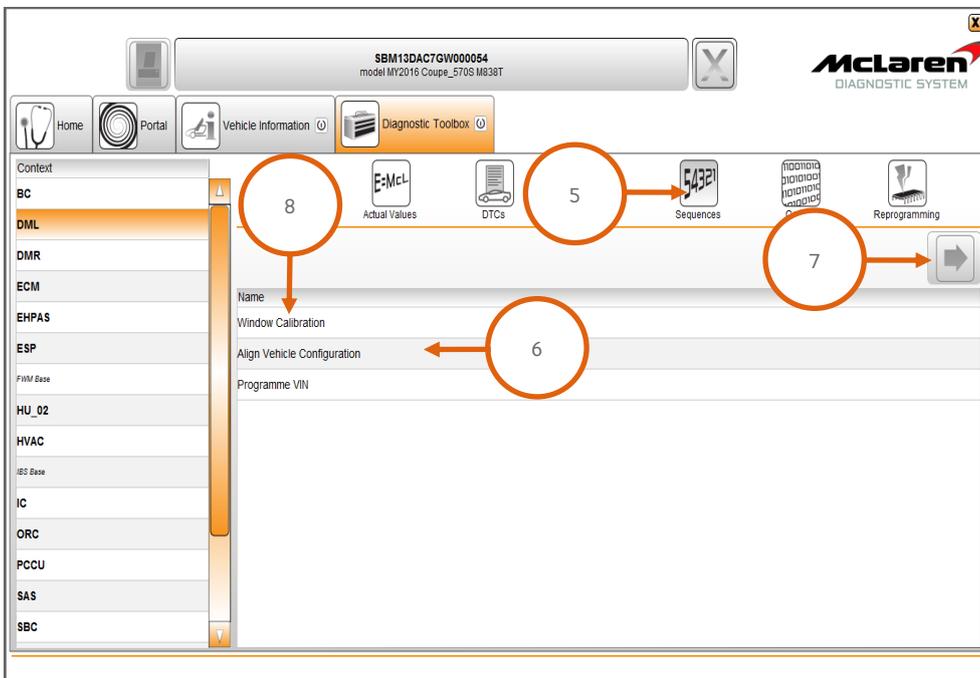


DML Software Update:

13. Select DML (1), then Reprogramming (2), the software level 13M0778CP.05 will be displayed (3). Proceed to the software download by selecting the arrow button (4).

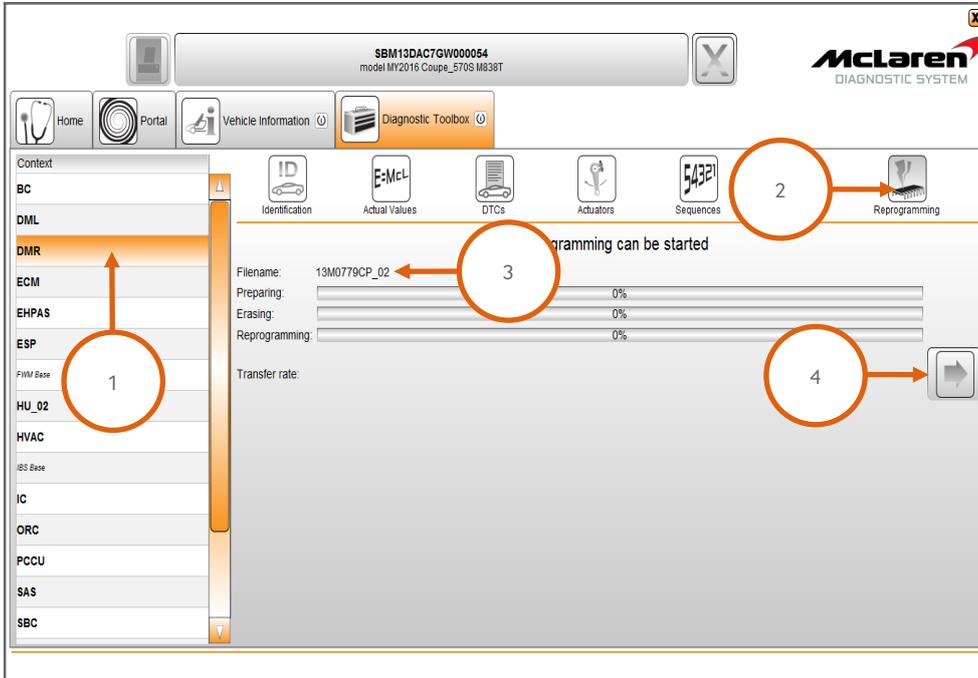


14. Select Sequences (5), select Align Vehicle Configuration (6), followed by the arrow key (7).
 15. Select Window Calibration (8), followed again by the arrow key (7).

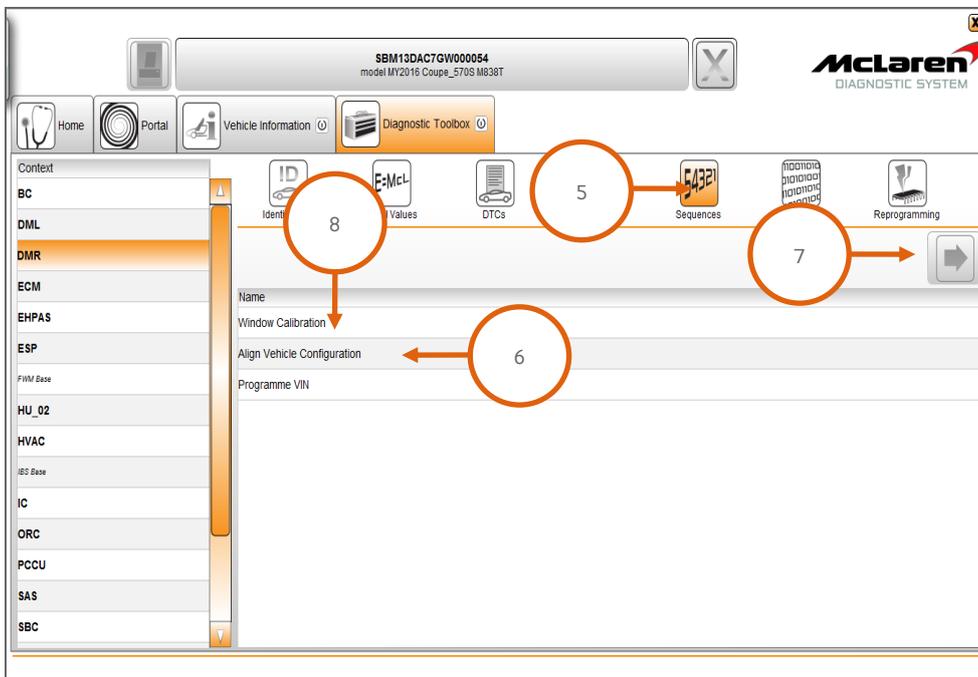


DMR Software Update:

16. Select DMR (1), then Reprogramming (2), the software level 13M0779CP.05 will be displayed (3). Proceed to the software download by selecting the arrow button (4).

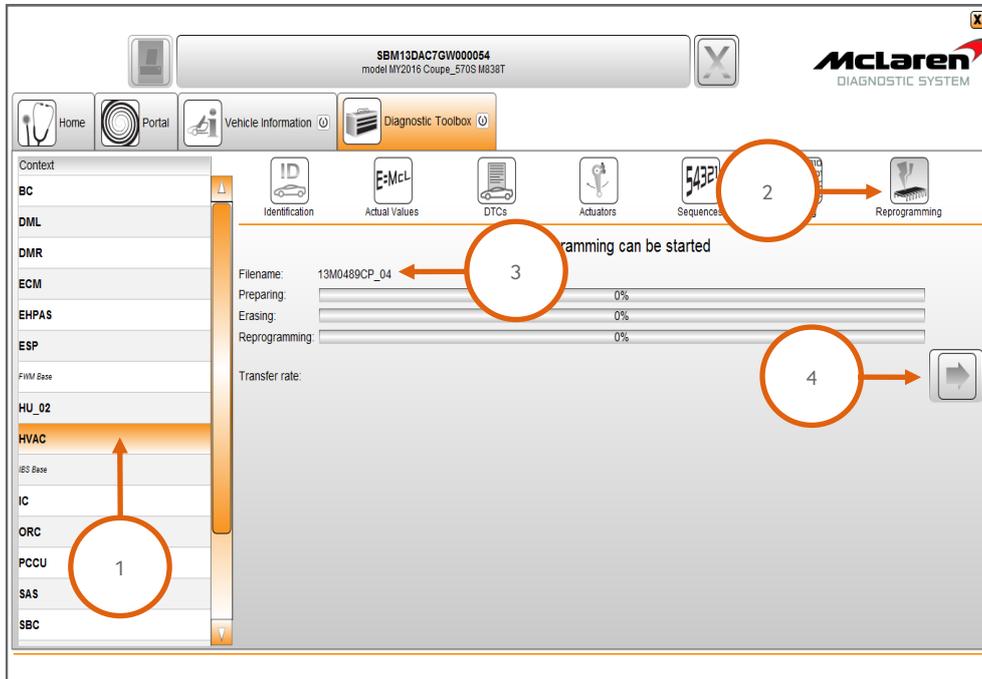


17. Select Sequences (5), select Align Vehicle Configuration (6), followed by the arrow key (7).
18. Select Window Calibration (8), followed again by the arrow key (7).



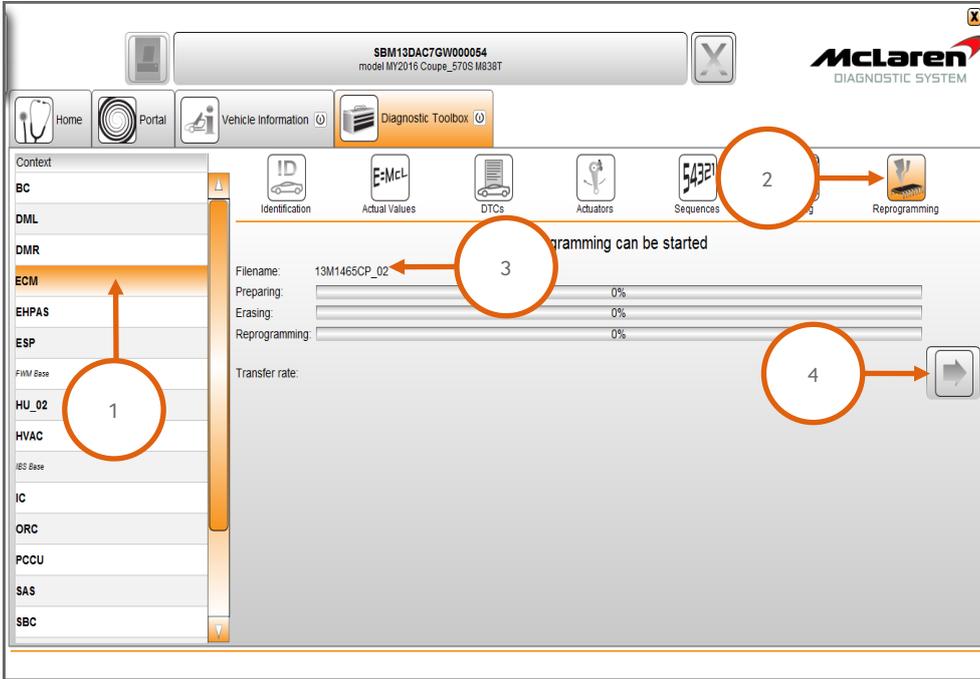
HVAC Software Update:

19. Select HVAC (1) then Reprogramming (2), the software level applicable to the vehicle model will be displayed (3). Proceed to the software download by selecting the arrow button (4).



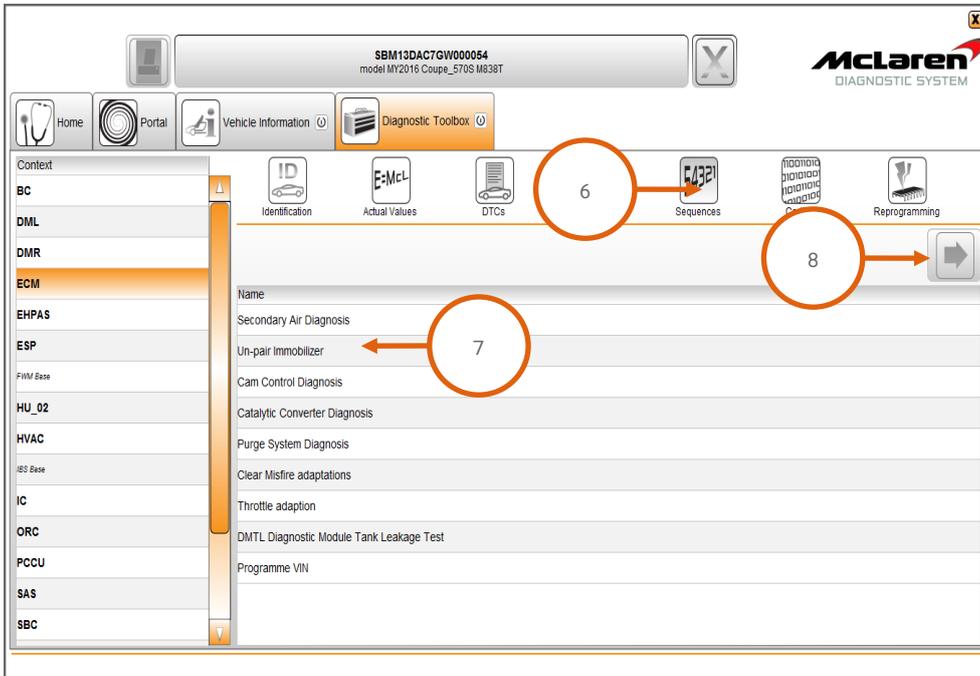
ECM Software Update:

20. Select ECM (1), then Reprogramming (2), the software variant applicable to your market will be displayed (3). Proceed to the software download by selecting the arrow button (4).



Care Point: Un-pair immobilizer takes up to 5 minutes to complete.

21. Select Sequences (6), Un-pair immobilizer (7), followed by the arrow key (8) once completed cycle the ignition (off/on/off/on) and wait for 30 seconds.



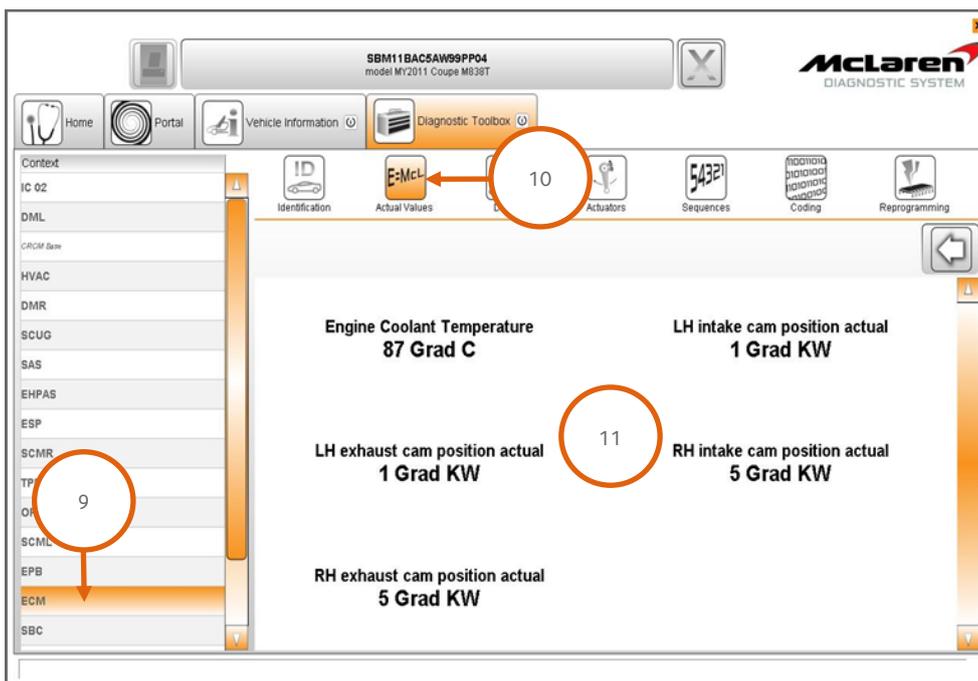
Adaptions Requirements:

22. Press the stop/start button with the brake pedal depressed to start the engine and allow it to idle until fully warm.

Care Point: The air conditioning must be switched on and the engine coolant temperature must be above 80°C before proceeding with the camshaft adaption procedure.

23. Select ECM (9), then Actual Values (10), select the following values as per the screenshot below (11), then select the play button to access the required data screen.

24. The inlet camshaft values should be between 9 and 12 and exhaust values should be between -9 and -12 both values will fluctuate slightly. If all values are correct no further action is required, proceed to step 26. If any values are incorrect proceed to step 25 to carry out the camshaft adaption.

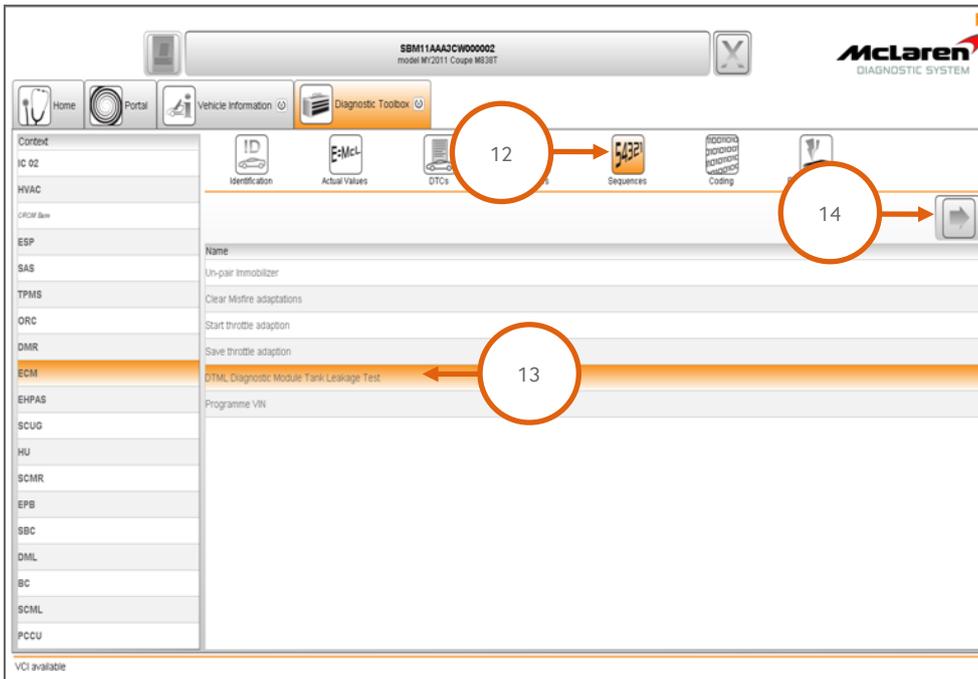


25. Switch the engine off, wait 30 seconds, restart the engine and recheck the values. Repeat this procedure until the target values are achieved.

Care point: The fuel level must be above 1/4 before you proceed to the Diagnostic Module Leakage Test (DMTL).

Care point: The DMTL test can take up to eight minutes to complete the 20 thou and 40 thou leak test

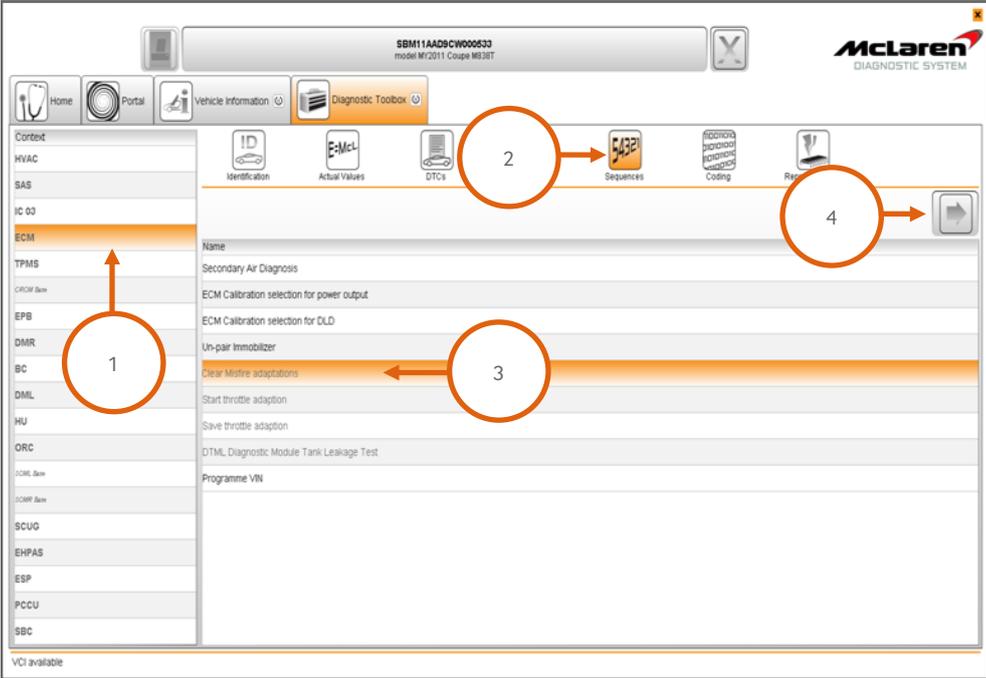
26. Select Sequences (12), then DMTL Diagnostic Module Leakage Test (13), followed by the arrow button to proceed (14).



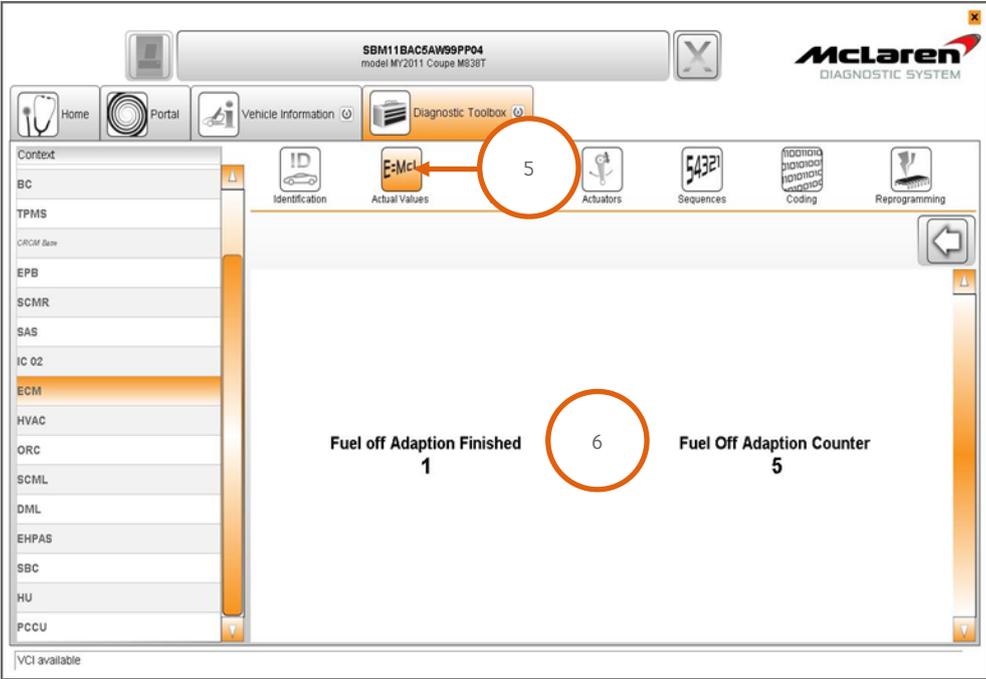
27. Perform a DTC read and clear from all modules.

28. End the current MDS session to allow session feedback to be sent to McLaren.

29. Select ECM (1), then Sequences (2), then Clear Misfire Adaptations (3), followed by the arrow button (4) to proceed.



30. Select Actual Values (5), select the following values as per the screenshot below (6), then select the play button to access the required data screen.



31. Misfire adaptations are performed whilst the car is driven with the gearbox set to manual mode and with the A/C off. Perform eleven successive fuel cuts from above 4000rpm for a 5 second duration (a fuel cut off will occur when the accelerator pedal is fully released).
32. Once the fuel off adaption counter reaches 11, the fuel off adaption finished counter will display 1; the misfire adaptations have been learned. The fuel off adaption counter will display zero and then start to count again when further fuel cut-offs occur, this is correct operation and no further action is required.
33. Perform a DTC read and clear from all modules.

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
Software Platform Update from 6.0 to 6.2	CDCC0211A33A4A07	0.90 hours

PARTS INFORMATION

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

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