

SERVICE CAMPAIGN BULLETIN

TITLE:	Vehicle Software Update to Platform 6.2
CAMPAIGN REFERENCE:	04D
DOCUMENT NUMBER:	13 M 010
AFFECTED VEHICLES:	Sports Series
SITUATION:	McLaren Automotive have released a new software platform for Sports Series vehicles. The customer improvements included in this software update are: • Heating Ventilation and Air-Conditioning (HVAC) flutter reduced. • Changes to the battery management strategy.
PROCEDURE:	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.



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
ЕСМ	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).

	SBM13DAC7GW000054 model MY2016 Coupe_5708 M838T	
Home Portal	Vehicle Information 🕘 Diagnostic Toolbox 🕗	
Context BC DML	Identification Actual Values DTCs for Sequences	ficontrolo picontrolo indicator angulog Cori Reprogramming
DMR ECM EHPAS	Name Parking Sensor Diagnostic Activation	7
ESP	Align Vehicle Configuration	
Find Esse HU_02 HVAC ISS Esse IC ORC PCCU SAS	Programme VIN	



	SBM11BAC6AW99PP04 web/P0010ues HBM	X	
Home Portal	Vehicle Information @ Diagnostic Tostbox @		
Context SAS		54327	
HVAC EHPAS		a catalog	
HU Base	Nane		
CACM Bare	Parking Sensor Diagnostic Activation		
IC_02	Atgn Vehicle Configuration		
ECM	Programme VN		
1/91) dans	_		
ORC			
ESP			
SCMR			
scuo			
BC			
DMR			
sec			
PCCU			
VCI available			

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.

	SBM13DAC7GW000054 model MY2016 Coupe_5705 M838T
Home Portal	Vehicle Information
Context EHPAS	ID E:McL 5 Mail Mai
ESP FWM Base	
HU_02 HVAC	Name Set ECU Configuration
/BS Base	Read ECU Configuration
	Key Programming
PCCU	Un-pair immobilizer Alarm History
SAS	Align Vehicle Configuration
SBC	Key Test
SCML	LF Antenna Continuity Test
SCMR	Programme VIN 6
SCUG	
TPMS	



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

	SBM13DAC7GW000054 model M/2016 Coupe_5705 M838T	
Home Portal	Vehicle Information () Diagnostic Toolbox ()	
Context EHPAS		Y
ESP FWM Rase	Identification Adual Values DTCs Aduators Sequences	Reprogramming
HU_02	Name	
HVAC JBS Base	Set ECU Configuration Read ECU Configuration	
IC	Key Programming	
PCCU	Un-pair Immobilizer Alarm History	
SAS	Align Vehicle Configuration	
SBC	Key Test	
SCML	LF Antenna Continuity Test Programme VIN	
scug		
TPMS		



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).

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		SBM13DAC7G model MY2016 Coup	W000054 e_570S M838T		X		
Home Portal	Vehicle Information	Diagnostic To	olbox 🛈				
Context BC	ID C	E:McL			5432	2	
DML	Identification	Actual Values	DTCs	Actuators	Sequences	aing	Reprogramming
DMR				gramming can be	started		
ECM	Filename: 13M	10778CP_02	3	0%			
EHPAS	Erasing:			0%			
ESP 1	Reprogramming:			0%			
FWM Base	Transfer rate:					4	
HU_02							
HVAC							
IBS Base							
IC							
ORC							
PCCU							
SAS							
SBC							
	_						

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).

	SBM13DAC7GW000054 model MY2016 Coupe_5705 M838T	
Home Portal	ehicle Information () Diagnostic Toolbox ()	
Context BC $igstarrow$ DML	8 Adual Values DTCs 5 Sequences	ficiniting liciting internet and the Reprogramming
DMR ECM FHPAS	Name	
ESP FWM Base	Vindow Calibration Align Vehicle Configuration From a monocomme Vin	
HU_02 HVAC		
JBS Base		
PCCU		
SAS SBC		



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).

		SBM13DAC7GV model MY2016 Coupe	V000054				
Home Portal	Vehicle Information	Diagnostic Too					
Context BC	!D	E=McL			54321	2	
DML DMR		Actual Values	DICS	gramming can be	started	<u> </u>	Reprogramming
ECM EHPAS	Filename: 13M Preparing: Frasing:	0779CP_02	3	0%			
ESP	Reprogramming:			0%		(
FM/ Base 1 HU_02	Transier rate.						
HVAC IBS Base							
IC ORC							
PCCU							
SAS SBC							

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).

	SBM13DAC7GW000054 model I/V2016 Coupe_57/50 M838T	X McLəren
Home Portal	Vehicle Information 🛈 Diagnostic Toolbox 🕗	
Context BC L	ID F:McL Es 5	Process Reprogramming
DMR ECM		
EHPAS ESP	Name Window Calibration Align Vehicle Configuration 6	
FWM Base HU_02	Programme VIN	
HVAC IES Base		
ORC PCCU		
SAS SBC	-	



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).

		SBM13DAC7G model MY2016 Coup	W000054 e_570s M838T		X		
Home Portal	Vehicle Information 🔘	Diagnostic To	olbox 🔘			\frown	
Context BC	ID	E:McL	DICs	Actuators	54321	2	Berrorgamping
DML				ramming can be	e started		pp.ogiuinning
ECM EHPAS	Pilename: 13Mi Preparing: Erasing:	0489CP_04	Ĵ	0% 0%			
ESP FWM Base	Reprogramming:			0%		(
HU_02							
IBS Base							
SAS							



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).

							×
		SBM13DAC7G model MY2016 Coup	W000054 a_570S M838T		X		
Home Portal	rehicle Information 0	Diagnostic To	olbox 🛈			\frown	
Context BC	ID Contraction	E:McL			54321	2	
DML DMR		Actual values	Dics	gramming can be	e started		g Reprogramming
	Filename: 13M Preparing:	1465CP_02	3	0%			
ESP	Erasing: Reprogramming:			0%		1	
FWM Ease	Transfer rate:						
HVAC							
IC							
ORC							
SAS							
SBC							

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.

	SBM13DAC7GW000054 model M/2016 Coupe_570S M838T	
Home Portal	Vehicle Information () Diagnostic Toolbox ()	
Context BC		
DML	iberminication Actual values UTUS Sequences D	Reprogramming
ECM	Name	
EHPAS	Secondary Air Diagnosis	
ESP FWM Base	Un-pair Immobilizer	
HU_02	Catalytic Converter Diagnosis	
HVAC	Purge System Diagnosis	
IES Base	Clear Misfire adaptations	
IC	Throttle adaption	
ORC	DMTL Diagnostic Module Tank Leakage Test	
PCCU	Programme VIN	
SAS		
SBC		



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).

Home Portal	Vehicle Information 🕖 Disgnostic Toobby 🙆
IC 02	LD E-MeL Herefitzion Actual Values DTCs 12 Sequences Coding
CROM Barry	
E3F	Name
SAS	Ur-pair Immobilizer
IPM5	Clear Misfire adsptations
DMR	Start throttle adaption
ECM	Save throttle adaption
EHPAS	DTML Diagnostic Module Tank Leakage Test
scug	
HU	
SCMR	
EPB	
SBC	
DML	
BC	
SCML	
PCCU	
VCI available	

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.



	SBM11AAD9CW000533 model M72011 Coupe M838T	X	
Home Portal	Vehicle Information (2)		
Context HVAC		ficancia paratari natariari natariari natariari Coding	Rec
IC 03			4 → 💌
TPMS	Name Secondary Air Diagnosis		
CROM Bare	ECM Calibration selection for power output		
EPB	ECM Calibration selection for DLD		
BC 1	Ur-pair Immobilizer Clear Mistre adaptations		
DML	Start throttle adaption		
HU	Save throttle adaption		
ORC	DTML Diagnostic Module Tank Leakage Test		
SCARL Bare	Programme VN		
SCMR Bare			
SCUG			
EHPAS			
ESP			
PCCU			
SBC			
VCI available			

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

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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