

SERVICE CAMPAIGN BULLETIN

CAMPAIGN REF:	01G
TITLE :	Vehicle software update to platform 9.0. UPDATED 22/06/2012
DOCUMENT # :	11 M 039
AFFECTED VEHICLES :	12C Coupe
SITUATION :	Quality Engineering at McLaren Automotive have released a new software platform for the MP4-12C.
	 The most noticeable customer benefits of this software are: Remote key passenger door release strategy change Exterior mirrors exit reverse dip when neutral or forward gears are selected. General software updates throughout the vehicle systems.
PROCEDURE :	It is necessary to update the software on all affected 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)	11M1180CP.16
Switch Control Unit Gateway (SCUG)	11M1290CP.04
Electronic Park Brake (EPB)	11M0935CP.04
Body Controller (BC)	11M1215CP.07
Security Body Controller (SBC)	11M1075CP.08
Heating Ventilation and Air-Conditioning (HVAC)	11A4742CP.12
Door Module Left (DML)	11M1071CP.07
Door Module Right (DMR)	11M1070CP.07
Electronic Stability Program (ESP)	11M1125CP.04
Steering Angle Sensor (SAS)	11M1099CP.04
Powertrain Chassis Control Unit (PCCU)	11M0938CP.16 European / ROW 11M2166CP.03 Federal 11M2370CP.02 Japan
Engine Control Module (ECM)	11M1399CP.06 European / ROW 11M1400CP.07 Federal 11M1401CP.04 Japan



Care point: This campaign supersedes 11 M 034 "Vehicle software platform update from 8.2.3 to 8.3" and 11 M 036 "Vehicle software platform update to 8.3".

Care point: The Platform 9.0 'Owner Manual Supplement' (1) must be placed in the vehicle once the campaign has been carried out, The customer must also be informed of the new drivers / passenger door opening functionality.

Care point: The Owner's Manual Supplement' (1) includes information relating to the new IEE OCS system functionality. This system is not fitted to vehicles built prior to 31st May 2012. The customer should refer to the main Owner's Manual should they require information relating to the OCS system on their vehicle.

	McLaren	
MP4-12C		

'Owner Manual Supplements' (1) have been supplied directly to dealers.

Care point: The Steering Angle Sensor (SAS) update is only required on vehicles that have not had campaign 11 M 034 or 11 M 036 previously carried out.



REMOVAL:

1. Please refer to A-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.

IC SOFTWARE UPDATE

- 1. Connect the Mclaren Diagnostic System (MDS) to the vehicle.
- Proceed to the Diagnostic Toolbox (1), select IC_02 (2), then Reprogramming (3), select the software level 11M1180CP.16 (4), then proceed to the software download by selecting the tick button (5), followed by the arrow button (6). Select 'YES' to initiate programming.

					×
	SBI	VI11AAC7A199VP18 model 41/2011 Coupe V608T		X	
Home Portal	Vehicle Information 0	Diagnostic Toolbox			
Context CRCM Base	ID Con	E:McL	, C	54321	3
SBC	Identification	Actual Values DTCs	Actuators	Sequences	Reprogramming
ECM	Filename:		01/		
ORC	Erasing:		0%		
TPMS Base	Transfer rate:		0.%	Elapser	
DMR					6
DML		5			
SAS	Name				
HU 2	TIMITBUCP_				
ESP					
EHPAS					
SCMR					
VCI available					



SCUG SOFTWARE UPDATE

3. Select SCUG (1), then Reprogramming (2), select the software level 11M1290CP.04 (3); then proceed to the software download by selecting the tick button (4) followed by the arrow button (5). Select 'YES' to initiate programming.

	SBM11BA eddel W/2	C5AW99PP04			
Home OPortal	Vehicle Information (0)	Diagnostic Toolbox 🕖			
Context EPB	ID Identification Actual Val	L DICS	Actuators	4321 2	Reprogramming
DMR	Filename:				
IC_02 EHPAS	Preparing: Erasing:		0% 0% 0%		
HU Base	Transfer rate:			Elapsed	5
	4				
SCUG	Name 11M1290CP_03				
DML					
BC	3	ノ			
VCI available					

EPB SOFTWARE UPDATE

4. Select EPB (1), then Reprogramming (2), select the software level 11M0935CP.04 (3); then proceed to the software download by selecting the tick button (4), followed by the arrow button (5). Select 'YES' to initiate programming.

		SBM11BAC5AW99F model W12011 Coupe V608T	PP04				
Home Portal	Vehicle Information 0	Diagnostic	: Toolbox 🕖				
Context SAS	ID		DTCs	Actuators	54321 Sequences	2	Reprogramming
TPMS	Filename:						
ORC	Preparing: Erasing: Reprogramming:			0% 0% 0%		\sim	
HVAC	Transfer rate:				Ela	apsed Til 5	
DMR SCUG EHPAS Ba	Name	4					
HU Base ECM	11M0935CP_05	5					
BC SBC		3					
VCI available							



5. Within the McLaren Diagnostic System (MDS) proceed to the Diagnostic Toolbox (6). Select EPB (7), then Sequences (8) select G-Sensor Calibration (9); select the arrow button (10) to perform the G-Sensor calibration routine

	SBM11BAC5AW09PP04	
Home Portal	Vehicle Information () Diagnostic Toolbox ()	1 - 4900 200 - 5900 40 10 - 100 200
Context	LEMCL 8 Segurces	ficolicit picicitor incolicit coding Reprogramming
HVAC		10
SAS 7	Name Align Vehicle Configuration G-Sensor Calibration	
DMR CRCM Bare	Assembly Check Factory / Customer Mode Configuration	
ORC	EPB Caliper Open EPB Caliper Closed 9	
HU Base DML		
TPMS SCUG		
SCML SBC		
VCI available	•	

6. Select Align Vehicle Configuration (11), followed by the arrow key (12).

	SBM11BAC5AW99PP04 model MY2011 Coupe M038T	
Home Portal	Vehicle Information	
Context SAS	ID Jentification Actual Values DTCs Actu	4321 ficonicia protocor utators Sequences Coding Reprogramming
EPB HVAC		12
IC 02	Name Align Vehicle Configuration	
ESP	G-Sensor Calibration Assembly Check	
DML	Factory Customer Mode P EPB Caliper Open	
EHPAS BC	EPB Caliper Closed	
SCUG ECM Bare		
DMR SBC		
HU VCI available		



BC SOFTWARE UPDATE

7. Select BC (1) then Reprogramming (2), select the software level 11M1215CP.07 (3), then proceed to the software download by selecting the tick button (4), followed by the arrow button (5). Select 'YES' to initiate programming.

	SBM11BAC5AW99 www.com/com/com/com/com/com/com/com/com/com/	8PP04		
Home Porta	Venicle Information 💿 🚺 Diagnos	tic Toolbox 🕑		
Context	[]D E-McL		[[56]]	
C/ICM Bern			2420	2
EPB		01.5 AL801	angue con	- Andrew and
HVAC	Flagues			
SAS	Preparing	D%		
ESP	Erasing	D%		
TRM2 Bare	Keprogramming.	US		
ECM	Transfer rate:		Elapsed	5
ORC				
HU Base				
DML	Norma			
SCML	11M1216CP_0			
EHPAS 1				
scuc	3			
sac				
BC				
PCCU				
VCI available				

8. Select Sequences (6), then Programme VIN (7), select the arrow button to proceed (8).

	SBM11BAC5AW89PP04	
Home Portal	Vehicle Information 💿 Diagnostic Toolbox 😳	
Contest BAB		International International International Codeby Representing
HVAC		8
HU Base	Name Parking Sensor Diagnostic Activation	
IC_02	Align Vehicle Configuration Program	
7787 Ber	Ţ	
ESP	7	
SCUG		
BC DMR		
PCCU		
VCI available		



	SBM11BAC5AW9	ISPP04		\mathbb{X}		
	Vehicle Information @ Diagno	stic Taalbax (Q)				
Context SAS	ID E=McL		S.	54321	1001000 1010100 1010100 1010100	1
HVAC					10	
HU Base	Name					
CRCM Base	Parking Sensor Diagnostic Activation					
ECM	Programme V N					
ORC	9					
ESP						
SCUG						
BC .						
SBC						
PCCU						

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

SBC SOFTWARE UPDATE

10. Select SBC (1), then Reprogramming (2), select the software level 11M1075CP.08 (3); then proceed to the software download by selecting the tick button (4), followed by the arrow button (5). Select 'YES' to initiate programming.

	SBM11BACSAWS9PP04 Hole H02F1 Case MART	
Home Portal	Vehicle Information	
Context	ID Hontfaction Astall Volume OTE Astall Volume	54321 2 Asymptotic
EPB HVAC		
SAS	Filename: Preparing: 0% Erasing 0%	
ESP T/02: Juin	Reprogramming D%	
ECM ORC	Transfer rate:	Elapsed T 5
HU Base	4	
SCML 1	Nane 11MI075CP 0	
EHPAS		
SBC	3	
BC PCCU		
VCI available		

11. When the software download has completed successfully, programming will force a sleep cycle to occur.



- 13. After one minute, press the unlock button on the key and then establish the vehicle into ignition state 5 before following the next steps.
- 14. Select Sequences (6), then Programme VIN (7), select the arrow button to proceed (8). The programme VIN procedure will force a sleep cycle to occur after the programming is complete.
- 15. Press the unlock button on the key and then establish the vehicle into ignition state 5 before following the next steps.

	SEM11EACSAMSOPPON watering to caused	
Home Portal	Vehicle Information (a)	
SAS		toonond protonon erronond erronond codey Representing
HVAC EHPAS		8
HU Base	Name	
CROM Dave	un-par immonizer Key Programming	
ECM	Align Vehicle Configuration	
TVNET date	Programme VIV	
ORC		
SCMR		
scuo		
BC		
SBC		
PCCU		
VCI available		

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

			×
	SBM11AAF3CW000514 eodel W12011 Court M838T	X	
Home Portal	Vehicle Information		
Context		54321	
SCML	isentimotickin Actual values LIICS Actuality	sequences	10 Reprogramming
IC_02	Name		
CRCM Bare	Un-pair Immobilizer		
EHPAS	Key Programming		
SAS	Temperature radiator inlet â€" sensor 1: Check component		
ESP	Align Vehicle Configuration		
HVAC	Programme VIN		
SCMR SBC	9		
вс			
DML			
PCCU			
VCI available			

17. Press the unlock button on the key and then establish the vehicle into ignition state 5 before following the next steps.



HVAC SOFTWARE UPDATE

18. Select HVAC (1) then Reprogramming (2), select the software level 11A4742CP.12 (3) then proceed to the software download by selecting the tick button (4) followed by the arrow button (5). Select 'YES' to initiate programming.

	SBM11BA	CSAWS9PP04 If Court Host	X	
	🛃 Vehicle Information 🛛 🚺	Diagnostic Toolbox 🔟		
Contest		4 🔳 💽	[132]	
IC_02	La company Amarika		J Jepancer	Z Keyngarning
SCMR				
DMR	Filename:			
CROM Bare	Preparing	0%	i	
EPB	Erasing	0%		
HVAC	Reprogramming:	0%	6	
SAS	Transfer rate:		Elapse	5
ESP				
79MS Daw				
ECM	4			
ORC	Name			
HU Base	1144742CP_06			
DML	Ι ζ.			
SCML	- 3			
EHPAS				
scuc				

19. 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.



DML SOFTWARE UPDATE

20. Select DML (1) then Reprogramming (2) select the software level 11M1071CP.07 (3); then proceed to the software download by selecting the tick button (4), followed by the arrow button (5). Select 'YES' to initiate programming.

	SBM11	BACSAW59PP04	X	
Home Portal	Vehicle Information 😔	Diagnosti: Toolbox 🔯		
Context		McL 🔳	(t) [4	
IC_02	Identification Actua	I VBAR	Atutor Segar	Ner Representing
SCMR				
OMR	Filename:			
CROM Berry	Preparing		D%	
EPB	Erasing Benroaranming		0%	
HVAC	recprogramming.		0.4	
SAS	Transfer rate:			Elapseo 5
ESP				
^{7962 Bar 1}	4			
ECM				
ORC	Name			
HU Base	THE OTICE DO			
DML				
SCML	1 (3	3 丿		
EHPAS				
scug	1			
VCI available				

21. Select Sequences (6), select Align Vehicle Configuration (7), followed by the arrow key (8).

	SBM11BAC5AW99PP04	
Home Portal	Vehicle Information	
Context SCML	9 EMCL ES (6) Segurose	filonion pionon nonnon cong Reprogramming
EPB ORC	∇	8
CRCM Base	Name Window Calibration	
EHPAS ECM Base	Align Vehicle Configuration Programme VIN	
SCMR HU		
DMR ESP		
SCUG BC		
SBC SAS		
PCCU VCI available	2	

22. Select Window Calibration (9), followed by the arrow key (8).



DMR SOFTWARE UPDATE

23. Select DMR (1) then Reprogramming (2), select the software level 11M1070CP.07 (3) then proceed to the software download by selecting the tick button (4) followed by the arrow button (5). Select 'YES' to initiate programming.

	SBM1	1BAC5AW99PP04		Χ.		
Home Portal	Vehicle Information 😔	Diagnostic Toolbax 🥹				
Contest		:McL		54321	2	2
SCMR	Identification Act	kal VAlues DECo	Artuators	Seguences		Apogramolog
DMR						
CROM Bank	Preparing:		0%			
EPB	Erasing		0%			
HVAC 1	Reprogramming:		07%			
SAS	Transfer rate:			Elapsed	5 -	
ESP						
77945 Dans	4					
ECM	Name					
ORC	11M1070CP_05					
HU Base						
DML		2				
SCML						
EHPAS						
scug	V					

24. Select Sequences (6), select Align Vehicle Configuration (7), followed by the arrow key (8).

	SBIM11BAC5AW99PP04	
Home Portal	Vehicle Information 0 Diagnostic Toolbox 0	
Context TPMS		
IC_02	G Actual Values DTC's Sequences	Coding Reprogramming
SCML	Name	8
EPB ORC	Window Calibration	
CROM Base	Programme VIN	
EHPAS	7	
ECM Base SCMR		
HU DMR		
ESP		
BC		
VCI available		

25. Select Window Calibration (9), followed by the arrow key (8).



ESP SOFTWARE UPDATE

26. Select ESP (1) then Reprogramming (2), select the software level 11M1125CP.04 (3) then proceed to the software download by selecting the tick button (4), followed by the arrow button (5). Select 'YES' to initiate programming.

		SBM11AAC7A199VF rodel W2011 Coupe W308T	18				GNOSTIC	ren system
Home Portal	Vehicle Information 0	Diagnostic	Toolbox 🔘					
	ID		DTCs	Actuators	54321 Sequences	2)H	Reprogramming
ECM	Filename:							
ORC	Preparing: Erasing: Reprogramming:			0% 0% 0%				
HVAC	Transfer rate:				E	^{lapsed} 5)-	
		4						
IC_02 1 SAS 1	Name 11M1125CP_03							
HU Base								
ESP		3						
SCMR VCI available								

- 27. If the download is successful proceed to step 33.
- 28. After the preparation phase of the download the system may inform the operator that the Erase of the ECU Flash Memory Failed". In this circumstance the ESP control unit will require a power cycle (6).

		SBM11AAB2CW000 model MY2011 Coupe M	0758 M838T				
Home Portal	Vehicle Information	Diagnosti	c Toolbox 🔘				
Context ECM	Identification	E=MCL Actual Values	DTCs	Actuators	54321 Sequences		Reprogramming
EPB			Erase of	the ECU flash m	emorv failed		
ESP Bare	Filename: Preparing:	11M1125CP_04		100%	,		
ORC	Erasing:			1%			
HVAC	Reprogramming:			0%			
SCML	Transfer rate:	0 / 0 bytes - 0 bytes/sec				Elapsed Time: 00:02:0	5
DMR				6			
EHPAS							
IC 02							
TPMS							
DML							
SCMR							
CROM Bapp							
SCUG							
SBC							
VCI available							



29. Proceed and reflash the ESP module, when the Elapsed Time is between 1.20 to 1.28 seconds (7), disconnect the ESP connector (9) wait for 5 seconds and then reconnect it. The "Preconditions failed" will now be displayed. Proceed to step 31.

		SBM11AAB2CWOC model MY2011 Coupe	0758 M838T		X		
Home Portal	Vehicle Information	0 Diagnost	ic Toolbox 🕖				
Context ECM		E=MEL Actual Values	DICS	Actuators	54321 Sequences		Rennarramming
SAS		201001701003	5103	Please wait	boquences	county	ricerogramming
ESP Base	Filename: 1 Preparing:	1M1125CP_04		74%			
HVAC	Erasing: Reprogramming:			0%			
SCML	Transfer rate: 0	/ 0 bytes - 0 bytes/sec				Elapsed Time: 00:01:36	
EHPAS							
IC 02 TPMS						7	
DML							
CROM Base							
SCUG							
VCI available							

30. After the preparation phase of the download the system may inform the operator that the "Preconditions failed". In this circumstance the ESP control unit will require a power cycle (8).



31. Disconnect the ESP connector (9) and wait for 5 seconds before reconnecting.





32. Press the YES button within 5 seconds of reconnecting the ESP connector in order to complete the software download (10).

		SEMI1BACGAW95	7754		X	MCL	aran
)- Ora di	Andre wearnamen (C	taryarta	Toutes @				
	D	E:McL		I.	54321	FEEDROOM SCHOOL SCHOOL	"
-		den alter	Pi	reconditions faile	ed		
line .	Piepatruj Erating	MI12568_02		100%			= 1
	Hersgrunning D	(D Hydro - O bytescos		2/6	East	mes Time (0.0/40	
		SW	ATCH_POWER	_SUPPLY_OFF	_AND_CONFIR	M	
145							1.25.0
4 348							
142						1	10
A CONTRACTOR OF							



SAS SOFTWARE UPDATE

Care point: The Steering Angle Sensor (SAS) update is only required on vehicles that have not had campaign 11 M 034 or 11 M 036 previously carried out.

33. Select SAS (1), then Reprogramming (2), select the software level 11M1099CP.04 (3) then proceed to the software download by selecting the tick button (4) followed by the arrow button (5). Select 'YES' to initiate programming.

	SBM11AAC7A199 exadel VH72111 Coupe Mild	VP18 ज		
Home Portal	Vehicle Information ()	ic Toolbox		
Context	ID Identification Actual Values	DTCs Actuators	54321 Sequences	2
ECM	Filename:			
ORC	Preparing: Erasing: Reprogramming:	0% 0% 0%		
TMS Base	Transfer rate:		Elapsed	5
DML	4			
IC_02 SAS	Name 11M1099CP_0			
HU Base				
ESP	3			
VCI available				

Care point: Ensure that the front wheels are pointing in the straight ahead position before continuing.

34. Once the software has been installed you will be required to fine tune the zero position. Within the SAS section select Sequences (6), select Fine Tune Zero Position (7), and then press the arrow button (8).



	SBM1	11AAC7A199VP18 def W12011 Coupe MIGUT				
Home Portal	Vehicle Information 0	Diagnostic Toolbox 🔘				
Context ECM		:McL	6	54321		
EPB DML		uar varues DTCs		oequences	8	Reprogramming
CRCM Base	Name					
SAS	Fine Tune Zero Postion					
ESP IC_02						
ORC TPMS Base						
SCUG						
HV Base						
DMR SCML						
вс						
VCI available						

- 35. Check for any stored Diagnostic Trouble Codes (DTC's) within the DTC's section. If there are any stored codes, proceed to clear them from the memory.
- 36. Start the engine, select Actual Values (9), followed by SAS Data Read (10), select the play button to access the required data screen (11), turn the steering wheel left and right to full lock. Check that the value reading is zero when the steering is central. Check the fault memory to identify if the DTC's have repeated.

	SBM11BAC5AW99PP0 exate VF72011 Coupe MIDIT	4	McLaren Diagnostic system
Home Portal	Vehicle Information 🔘 Diagnostic To		
	9 EMCL	DTC3 Automotion Sequences	
HU Base EPB	11	Reading actual values	
ECM DML	Name SAS Data Read	Value OK, -1.0 degrees, 0.0 deg/s	
SCML	Steering Sensor Status	OK	
TPMS Base	Steering Wheel Angle	-1.0 degrees	
SAS	Steering Wheel Rate	0.0 deg/s	
ORC			
SCMR			
SCUG			
DMR			
BC			
SBC			
HVAC			
VCI available			



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.

37. Select PCCU (1), then Reprogramming (2), select the software variant applicable to your market (3) (by referring to the software table on page 1), then proceed to the software download by selecting the tick button (4), followed by the arrow button (5). Select 'YES' to initiate programming.

	SEM11BACSAW89P	P04	\mathbf{X}	
Home Portal	Vehicle Information 💿 Diagnostic	Taalbax 🕖		<u> </u>
Context			54321 Internet	2
EPB HVAC				
SAS	Preparing Erasing	0% D%		
7965 Bev	Reprogramming:	D%	Flansed	
ORC			Loop 200	
HU Base	4			
	11M0938CP_12			
scug 1	3			
BC				
PCCU V VCI available				

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



39.Select PCCU (6), then Sequences (7), select Align Vehicle Configuration (8), followed by the arrow key (9).

Home Portal	Vehicle information (a) Diagnostic Toolbox (a)
Context SCML	
EPB ORC	
GROM Base	Name
DML	Un-pair Immobilizer
EHPAS	PCCU Data Transfer
EOM Base	Suspension Displacement Sensor Calibration
SCMR	APMU Sensor Calibration
ни	APMU Maintenance Start
DMR	APMU Maintenance Einished
ESP	Airbrake Calif d
scug	Dual Clutch 0 0
вс 6	Exhaust Valve Lean Routine
SBC	Kinetic Damping Sourem Pressure Sensor Check
SAS	Align Vehicle Configuration
PCCU	Programme VIN
VCI available	

ECM SOFTWARE UPDATE

38. Select ECM (1), then Reprogramming (2), select the software variant applicable to your market (3) (by referring to the software table on page 1), then proceed to the software download by selecting the tick (4) followed by the arrow button (5). Select 'YES' to initiate programming.

	SBM11BACSAWS Kool Aftor Coak A	8 PP04	X	
Home Portal	Vehicle Information @ Diagnos	stic Taalbax 🥹		
Context	ID E:Mal		F4321	
IC_02	Identification Astud Values	EffCs Advantant	Teganies	2 Pagrigatives
DMR				
CACHAre	Filename:			
EPR	Preparing: Erasing	0%		
HVAC	Reprogramming:	0%		
sas 1	Transfer rate:		Bapsed	5
ESP				
77942 Bars				
ECM				
ORC	11M1399CP_0			
HU Base				
DML	3			
SCML.				
EHPAS				
scug	<u> </u>			
VCI available				

Care point: ECM DTCs must only be cleared in ignition state 5.

39. Cycle the ignition (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.



	SBM11AAC9 eabirritht	CW000166		\mathbf{X}		arent
Home Portal	Vehicle Information 💿 🚺 Dia	gnostic Toolbox 🕖				
Context DMR			Atutor	54321	TECHTOR SIGTORE TETOTOR Codes	Personne
BC SCMR	X 2					
HU Base	Name		Value			
HVAC	O DMR_Variant_01					1
SCML	BC_Variant_01					
EMPAS	SCMR_Variant_01					
ORC	C Variant 01					
TPM5	1 art.01					
CRCM Bern	fant, 01					
ECM	SBC Variant 01					
ESP	O DML_Variant_01					
IC_02	O IC_Variant_02					-
sec	O SCUG_Variant_01					
DML	O PCCU_Variant_01					
scuc	SAS_Variant_01					
[

40. Select and highlight all items within the context fields (1) and perform a global clear of all DTC's (2).

41. Press the stop/start button with the brake pedal depressed to start the engine and allow to idle.

42. Select PCCU (1), then Sequences (2), select Dual Clutch Calibration (3), followed by the arrow key (4).

		SBM11BAC5AW99PP04 model MY2011 Coupe M838T		
Home Portal	ei)	Vehicle Information		
Context SCUG	Δ	ignification Actual Values DTCs (2)	54321 Sequences	
SAS CRCM Base				4
ЕРВ		Name		
TPMS		Un-pair Immobilizer		
EHPAS		PCCU Data Transfer		
ECM		Suspension Displacement Sensor Calibration		
DMR		APMU Se		
ESP		арми ма		
ORC		APMU Maintena ce Finished		
SCMR		Airbrake Calibra on and Bleed		
SBC 1		Dual Clutch Calibration		
HVAC		Exhaust Valve Learn Routine		
вс		Kinetic Damping System Pressure Sensor Check		
PCCU		Align Vehicle Configuration		
ни	V	Programme VIN		



43. Ensure the preconditions are met and then select ok (5).

			SBM11BAC5AW9 model MY2011 Coup	9PP04 e M838T				Laren
Home Portal		ehicle Information 🔟	Diagnos	stic Toolbox 🔘				
Context SCUG	<u>L</u>	ID	E:McL	DICs	Actuators	54321		Renneramming
SAS CRCM Base		nachancason.	Picture Variation	0100	20000013	Dequences	oung	
EPB TPMS								
EHPAS								
DMR				Di	ual Clutch Calib	ration		
ORC				Pr Er Se	econdition: Igine running Elect Neutral			
SCMR SBC				Aţ	oply Parking Br	ake		
HVAC								
PCCU							C	
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44. Dual Clutch Calibration will now be performed. When the procedure has completed, allow the car to go to sleep to save the new clutch kiss-point adaption values.

45. Press the stop/start button with the brake pedal depressed to start the engine and allow 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.



- 46. Select ECM (1), then Actual Values (2), select the following values as per the screenshot below (3), select the play button to access the required data screen.
- 47. The Inlet and exhaust camshaft values should be between 1 and 4, both values will fluctuate slightly. If all values are correct no further action is required. If any values are incorrect proceed to step 48 to carry out the camshaft adaption.



- 48. Switch the engine off, wait 30 seconds, restart the engine and recheck the values. Repeat this procedure until the target values are obtained.
- 49. Insert the Owner Manual Supplement (1) into the vehicles book set

		McLaren	
MP4-12C DWNER MANUAL SUPF	PLEMENT		



Care point: The customer must be informed of the new drivers / passenger door opening functionality.

Care point: The Owner's Manual Supplement' includes information relating to the new IEE OCS system functionality. This system is not fitted to vehicles built prior to 31st May 2012. The customer should refer to the main Owner's Manual should they require information relating to the OCS system on their vehicle.

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

WARRANTY INFORMATION

DESCRIPTION	RESOLI	JTION CODE	TOTAL REPAIR TIME
Software platform upda	ate M0M30	126A33A4A07	2.5 hours
	PARTS INF	ORMATION	
PART DESCRIPTION	PART NUMBER	QUANTITY	ORDER PROCESS
N/A	N/A	N/A	N/A