
McLaren 600LT – Engine Management System Software Update

Bulletin type:	Service Campaign Bulletin
Reference number:	SCB 13 F 002
Attention:	Retailer Service Managers and Retailer Technicians
Affected vehicles:	600LT; Coupe and Spider
Situation:	Potential for vehicle damage due to repeated revving of the engine with the vehicle stationary
Procedure:	To action affected vehicles during next Retailer visit. Please refer to the information outlined in this document to update the software of necessary control modules
Date:	14 th November 2019

This Service Campaign Bulletin will cover:

1. Overview
2. Procedure
3. Parts Information
4. Warranty Information
5. Affected Vehicles
6. Re-programming Procedure

1. Overview

Following on from Bulletin '13 H 001, 600LT Exhaust Flare Demonstration Important Reminder', which was released on 19th March 2019, a new software for the engine control module has now been released.

The updated software limits the functionality of the engine in the specific condition where the engine is repeatedly revved while stationary (to demonstrate the exhaust flare). This has been introduced to protect against potential damage to vehicle components due to the extreme heat generated during these operating conditions.

2. Procedure

To carry out the required work, a software update of both the engine and intelligent battery control modules is required (including alignment of any other control modules to the current vehicle software platform).

Please refer to the re-programming procedure in section 6 which contains the relevant work instructions and care points to ensure the required repair is carried out to bring the vehicle up to the current manufacturing standard.

A customer booklet has been created and must be presented to the customer upon vehicle handover once the re-work has been completed. This contains important information for the customer regarding the software update and future operation of the vehicle.

The required quantity of customer booklets has been distributed to affected Retailers, with quantities determined by the affected vehicle list available. In instances where additional booklets are required, please order these from Unipart as detailed in 'Parts Information' in section 3.

In the unlikely event that the customer refuses to have the software enhancement installed or it's found that the engine control module has been tuned, please notify the warranty department of the VIN number and date of the workshop visit at

3. Parts Information

The part below is required to action this repair.

NOTE: Sufficient quantities have been distributed in advance to affected Retailers. However, in instances where additional quantities are required, they can be ordered via Unipart as required.

Part Number	Part Description	Quantity
13QA725CP	Customer Booklet	1

4. Warranty Information

Submit a claim to the McLaren Warranty department following completion of the work, using the following details.

Description	Repair Time
McLaren 600LT - Engine Management System Software Update	0.5 hours

5. Affected Vehicles

Your Regional Aftersales Manager will contact you with a list of affected vehicles.

6. Re-programming Procedure

Vehicle preparation and software check

1. Connect vehicle to battery charger
2. Connect the McLaren Diagnostic System (MDS) to the vehicle
3. Scan the vehicle and review the software part numbers for the Electronic Control Module (ECM) and Intelligent Battery System (IBS) within the Quick Test page
4. If the ECM software part number is already on the following version or later, no further action is required for this module:
 - ROW: 13MA479RP.02
 - FED: 13MA508RP.02
 - CN: 13MA463RP.02

5. If the ECM software part number is an older version, proceed to the "ECM reprogramming procedure" section below
6. If the IBS software part number is already on the following version or later, no further action is required for this module:
 - 13M1080CP.15
7. If the IBS software part number is an older version, proceed to the "IBS reprogramming procedure" section below

ECM reprogramming procedure

8. Go to ECM and select reprogramming
9. Select the correct ECM software part number that is valid for your market as stated in step 4
10. Program ECM and wait for "Programming Successful" notification. DO NOT TURN OFF IGNITION
11. Select ECM Sequences
12. Execute "Unpair Immobiliser" - allow the procedure to complete with "Operation Successful"
13. Turn OFF the ignition and disconnect the VCI from OBDII socket
14. Allow the car to sleep wait until the Instrument Cluster shows no illumination - no handbrake warning lamp and the Start / Stop button illumination is OFF
15. Without depressing the brake pedal, press the Start / Stop button once and wait for 30 seconds
16. Press Start / Stop button once and wait for 30 seconds
17. Press Start / Stop button once - Ignition should now be ON
18. The Start / Stop button should now be illuminated with a solid light ON and not flashing. If it is flashing, it is indicating the immobiliser unpairing must be completed within SBC, PCCU & ECU (refer to Knowledge Article "Immobiliser Re-Alignment Procedure" for guidance on how to restore correct function)
19. Reconnect VCI to the OBDII socket and allow communication of MDS to restore automatically
20. Exit the diagnostic session and rescan the vehicle with MDS
21. Confirm the ECM software part number on the Quick Test page is now displaying the updated version (as stated in Step 4)
22. Using Knowledge Article "P13 Sports Series - Post Software Reprogramming Requirements", open the attached PDF document and refer to table 4 "Engine Control Module (ECM)" to perform the post programming sequences

NOTE: Unpair immobiliser must not be repeated as it has already been performed on step 12

IBS reprogramming procedure

23. Go to IBS and select reprogramming
24. Program IBS and wait for the "Programming Successful" notification
25. Exit the diagnostic session and rescan the vehicle with MDS
26. Confirm the IBS software part number is now displaying the updated version (as stated in step 6)

Vehicle post reprogramming check

27. Ensure all other modules are aligned to the latest software platform (refer to Knowledge Article "Sports Series (P13) Current Software Platforms" for guidance)
28. Scan the vehicle and clear all DTC's

End of process

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

Best regards,

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Part numbers listed in McLaren bulletins are for reference only. Always check with the parts department to verify the latest part numbers.

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