

SERVICE CAMPAIGN BULLETIN

CAMPAIGN REF : 018
TITLE : Electric seat rework
DOCUMENT # : 11 N 002
AFFECTED VEHICLES : 12C Coupe

SITUATION : Quality Engineering at McLaren Automotive have released a new software update to the market that will enable the seat base to move forward as the backrest reclines. This allows for an improved seatback recline angle. Failure to perform this task, in conjunction with bulletin 11 M 020- Software and rework requirements, could lead to poor recline functionality and cause a potential airbag fault due to a misreading of the occupancy sensors.

PROCEDURE : Read bulletin 11 M 020- Software and rework requirements. The following procedure **must** be performed, on **both** seats before the seat control modules software platform has been reprogrammed. The seat calibration must be performed directly after the software platform has been installed.

Care point: Only perform this procedure in conjunction with bulletin 11 M 020 - Software and rework requirements.

Care point: Ensure seat back is moved to a forward position before the battery ground line is disconnected to allow for easier access to cut away seat back plastic.

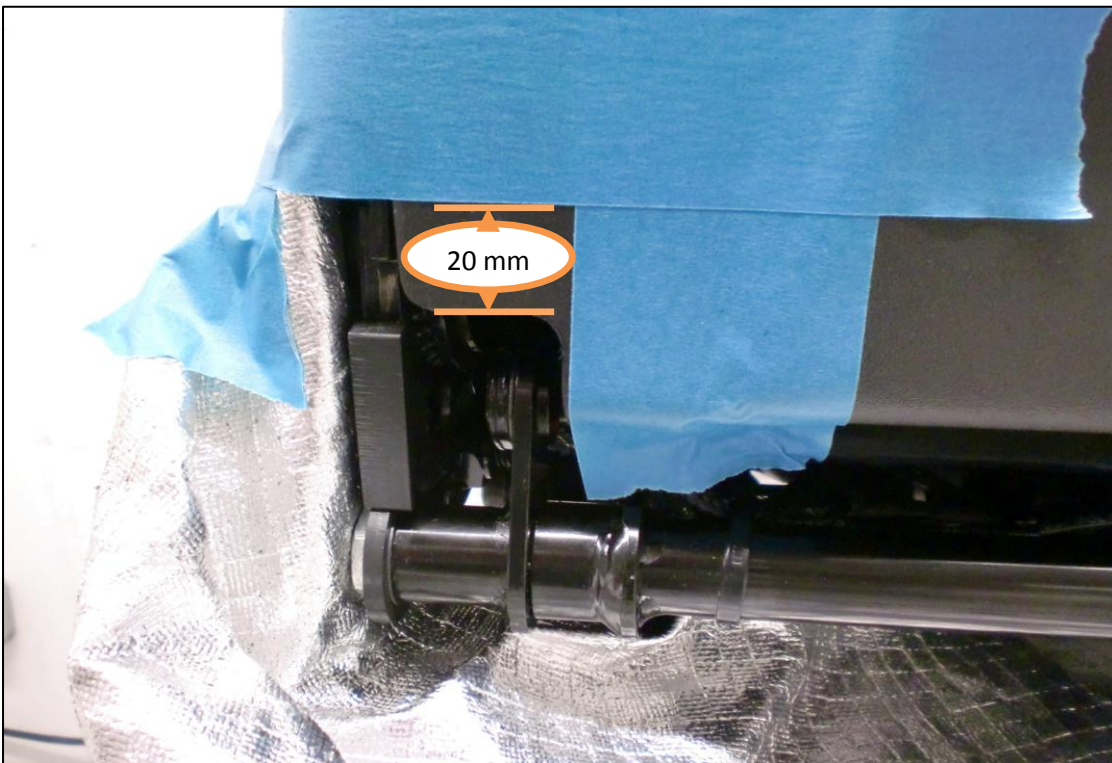
Care point: As outlined in the work instructions it is important to put the vehicle into sleep mode and leave in this state for a minimum of 5 minutes before disconnecting the battery ground line.

REMOVAL:

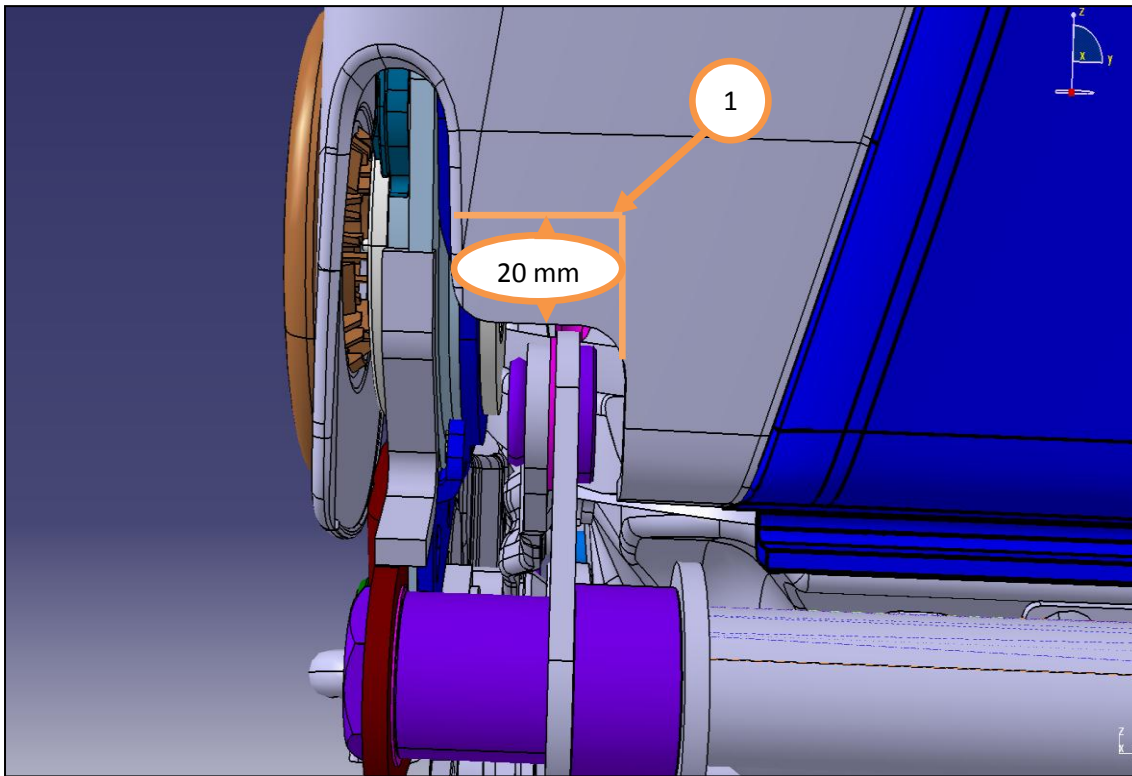
1. Please refer to A-RM-02A02-03-004 - Remove/install luggage bin - rear
2. Please refer to A-RM-05M01-01-001 - Disconnect/connect battery ground line.
3. Please refer to A-RM-06N03-01-099 – Remove/install seat(s).

Care point: Cover seat mechanism with a protective sheet. All rework on the seats should be performed whilst the units are out of the vehicle. Certain images in this bulletin show a seat fitted within the vehicle in order to provide a clear representation of exactly how the seat should appear once work has been performed.

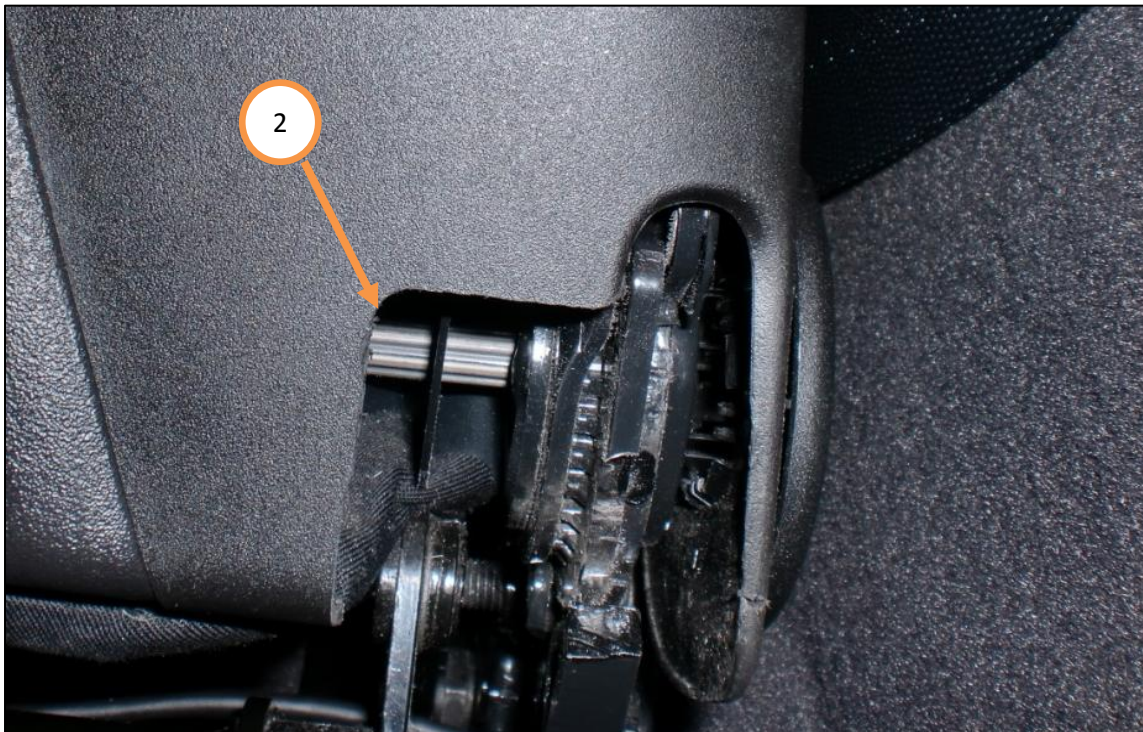
4. Mark out seat back area as shown below:



5. Cut away 20 mm of seat back plastic (1).



6. Ensure the sharp corners are rounded off, leaving no sharp edges (2).

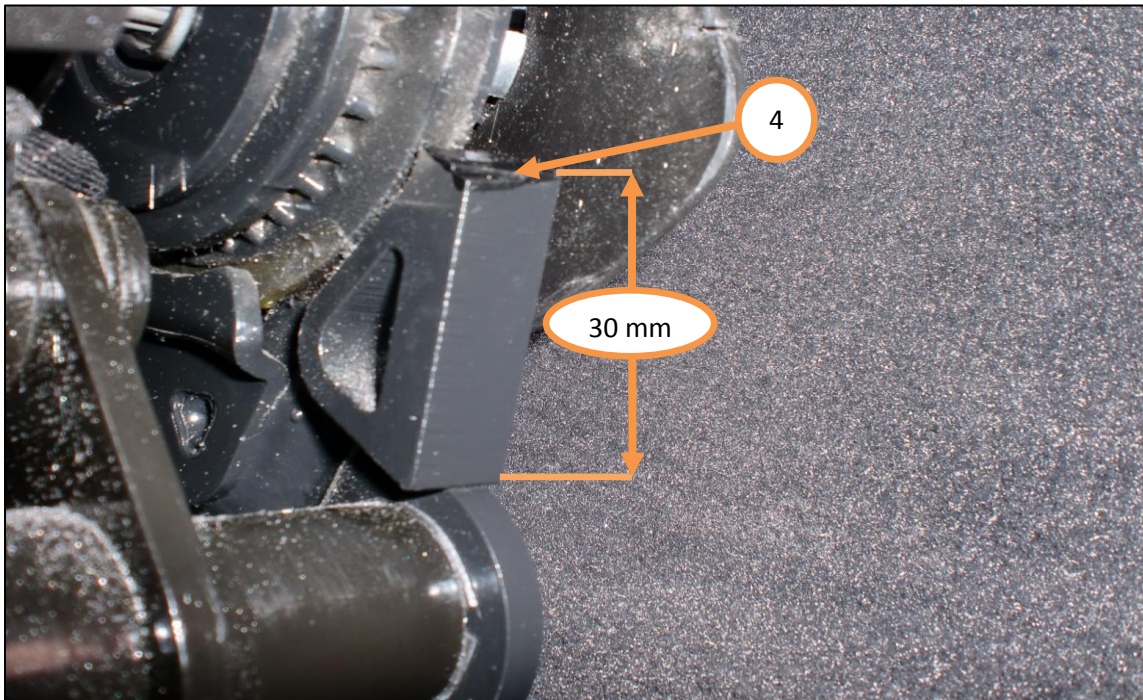


Care point: McLaren Automotive Recommend the use of a Dremel tool (3) to cut away the top section of the lower back stop.

Care point: Sparks will be produced when cutting the top section of the lower back stop. McLaren Automotive recommend placing heat resistant protection around the area.



7. Cut away the top section of the lower back stop leaving 30 mm remaining (4).



8. Clean away metal and plastic filings from the mechanism and paint the exposed metal (5).



INSTALLATION :

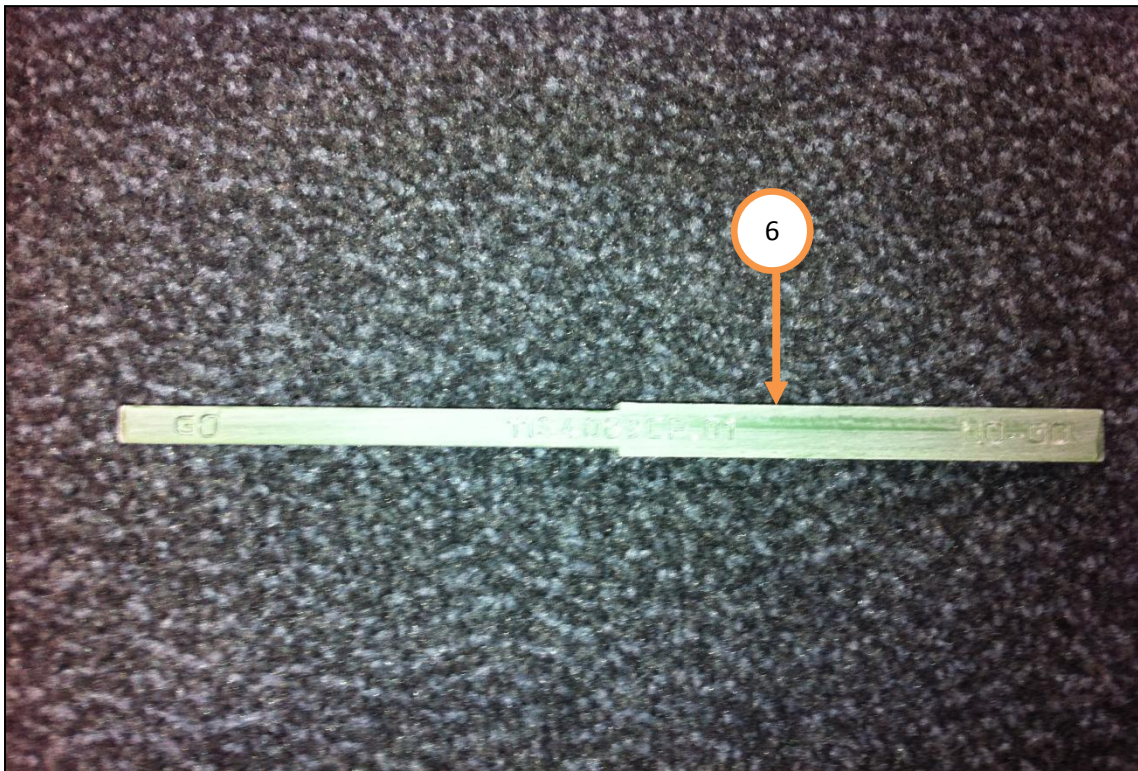
9. Install components in reverse order at the Seat Installation section in bulletin 11 M 020 – Software and rework requirements (Point 47).

CALIBRATION PROCESS :

Care point: Only perform seat calibration and occupant classification process once the software section of bulletin 11 M0 20 has been performed (at point 151). The following process is also outlined within that bulletin.

Care point: A seat calibration gauge (6) will be free issued in order to perform the below seat calibration process on affected vehicles.

Care point: Ensure vehicle is in ignition state 5 before calibrating seats.



10. Ensure seat is positioned in approximately a mid-mid position and the seatback is vertical.
11. Move the seat rearwards to its most rearward position.
12. Move the seat forwards by approximately 50mm.
13. Move the seat rearwards once more until it is in its most rearward position.
14. Move the seat downwards into its most downward position.
15. Move seat upwards into its most upward position.
16. Move seat downwards once more until it is in its most downward position.

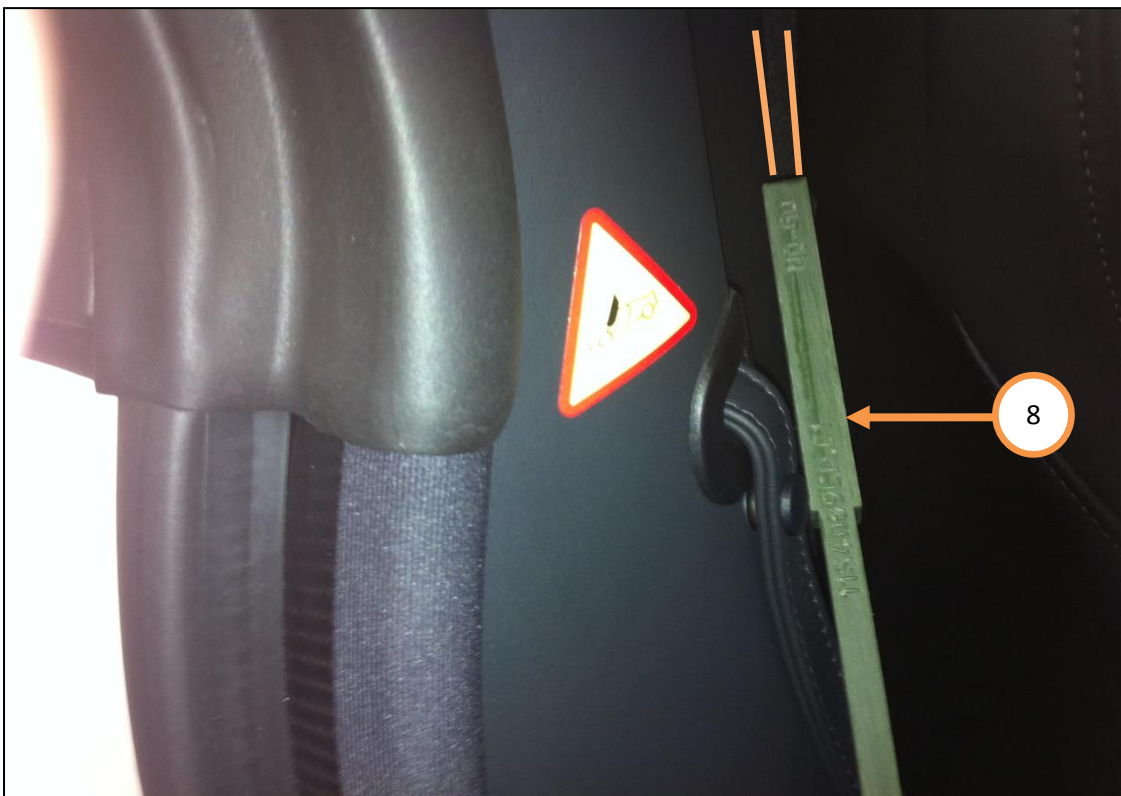
Care point: The seatback angle can be adjusted backwards and forwards any number of times as long as the seat remains in its rearmost lowest position.

Care point: The seat calibration gauge **needs** to be placed in the smallest gap between the seatback and B-Pillar trim in order for the calibration to be performed correctly.

17. Adjust the backrest angle until the desired gap between seatback and B-Pillar has been achieved using the seat calibration gauge. The gap **must not** be narrower than the end of the calibration tool (7). The tool should move freely between the seatback and the B-Pillar



18. The gap **must not** be wider than the wide end of the seat gauge (8). If the seat is in the correct position the tool should not be able to fit between the seatback and B-Pillar.



19. Press and hold down the heater and memory buttons on the seat switch pack simultaneously for approximately 5 seconds until a cluster sound is heard.

20. If the cluster sound is heard no further action is required. If no cluster sound is audible repeat the calibration process from point 10-19.
21. Move seat forward for 7 seconds and up for seven seconds so that the seat is in the mid/mid position.
22. Cycle the ignition.
23. Check functionality ensuring memory seat function is still operational. If fitted check memory seat function is operational.

Please Contact your Regional Aftersales Manager if you have any queries relating to the information contained within this bulletin.

WARRANTY INFORMATION

DESCRIPTION	RESOLUTION CODE	TOTAL REPAIR TIME
Electric Seat Rework	N30120A11A9902	1.5

PARTS INFORMATION

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

The seat gauge will be supplied directly from the McLaren Production Centre at no charge to the dealer.