

SERVICE BULLETIN		
To:	All Dealers	Reference SB-01-0336 Issued: 14 July 2011
For the attention of:	Service Manager/After Sales Manager	
Please copy to:	The Dealer Principal The Warranty Administrator Aston Martin Technician(s) The Parts Manager	
Model:	DBS and DB9	
VIN Range:	All Volante	Page 1 of 11
Subject:	Replace the Tonneau Latch Motor for the Convertible Roof (Motor Does Not Operate)	

Reason for this Service Bulletin

It is possible that water can go into the box that contains the tonneau latch motor on DB9 and DBS Volante. This can cause failure of the the tonneau latch motor.

This Service Bulletin gives the procedure to replace a defective tonneau latch motor for a DB9 or DBS convertible roof.

Workshop Procedure

Removal

1. Operate the front seat to it's fully forward position.
2. If the latch motor has failed with the roof in the open position, move the flap of the flip top and cut through the operating rod (Refer to Figure 1)

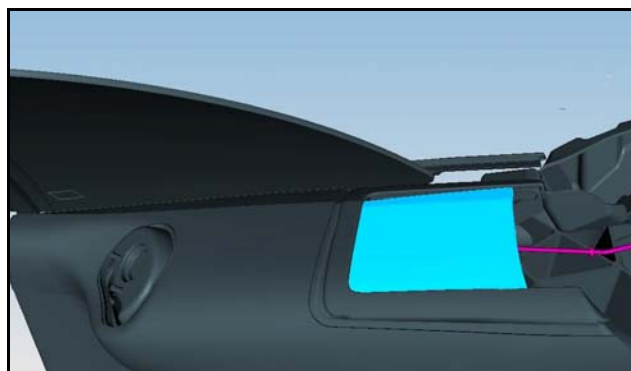


Figure 1

3. If the latch motor has failed with the roof in the closed position, operate the convertible roof until the rear quarter windows are fully open. Use an applicable strap to hold the roof in position.
4. Remove the fir-tree fixing that attaches the inner waist seal.
5. Remove inner waist seal.
6. Remove the outer waist rail for the outer rear quarter window.
7. Disconnect the vehicle battery.
8. Remove the side quarter panel assembly (Refer to Workshop Manual procedure 01.05.CL - Right Side Quarter Panel Assembly or 01.05.CM - Left Side Quarter Panel Assembly)

9. Disconnect the four electrical connectors from the speaker assembly, seat belt inertia reel, occupant restraint actuation sensor and the main body wiring harness (Refer to Figure 2).

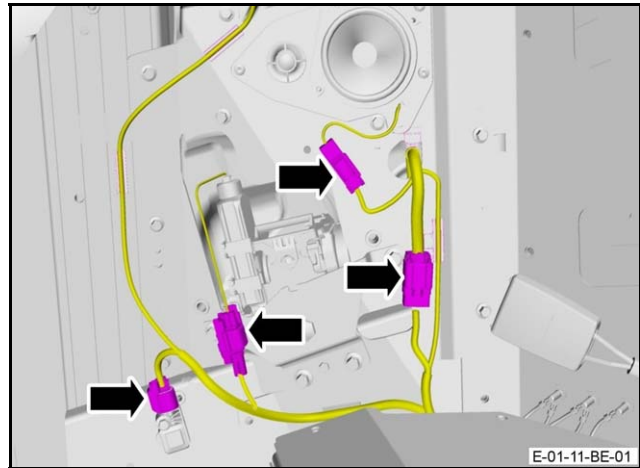


Figure 2

10. Release the wiring harnesses from the four clips (Refer to Figure 3).

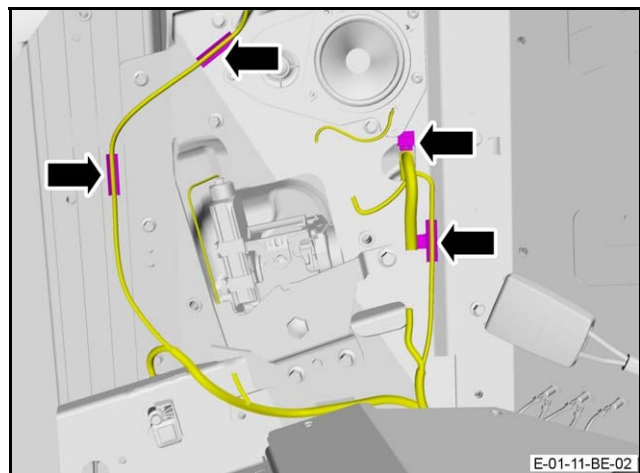


Figure 3

11. Remove the screws that attach the rear speaker.
12. Move the rear speaker to give access.
13. Remove the attachment screws for the speaker mounting bracket.
14. Move the electrical connector away.
15. Remove the speaker and the bracket.
16. Disconnect the seatbelt from the top mounting loop.
17. Disconnect the electrical connector from the impact sensor.

18. Remove the 10 screws to release the seat belt inertia reel and speaker holding plate (Refer to Figure 4).

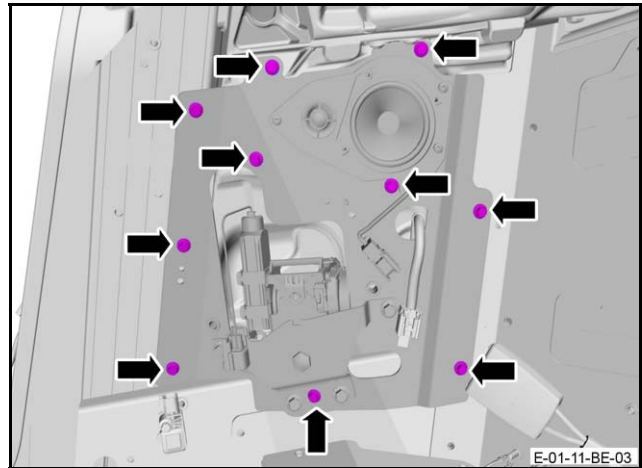


Figure 4

19. Remove the seat belt inertia reel and speaker holding plate (Refer to Figure 5)

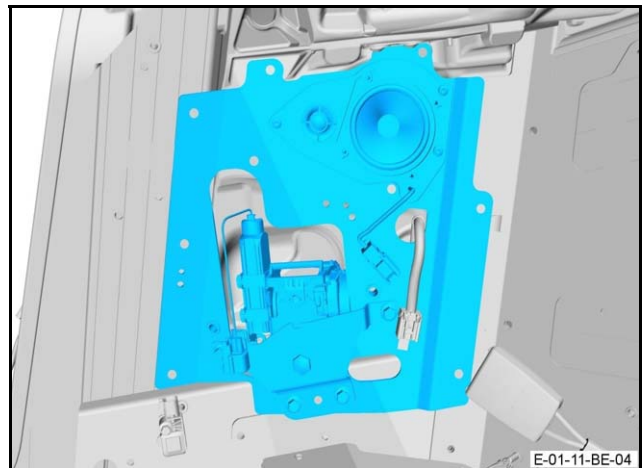


Figure 5

20. Release the grommet from the shedder panel and put the main body wiring harness through the hole (Refer to Figure 6).

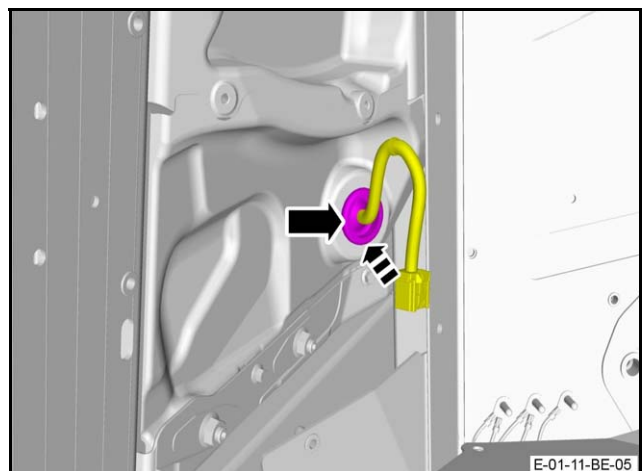


Figure 6

21. Remove the two screws to release the shedder panel (Refer to Figure 7).

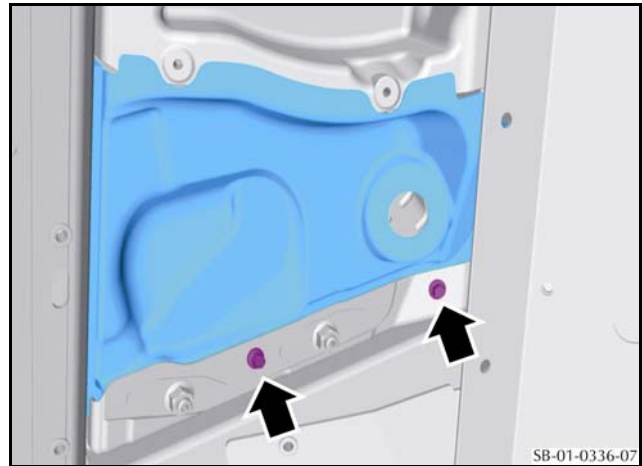


Figure 7

22. Remove the shedder panel.
23. Use electrical fly leads to connect an external power supply to the glass regulator.
24. Use the power supply to operate the glass regulator until you can get access to the two glass attachment screws through the two holes in the top of the reinforced upper pillar bracket (Refer to Figure 8).
25. Disconnect the power supply from the glass regulator.
26. Remove the two glass attachment screws.

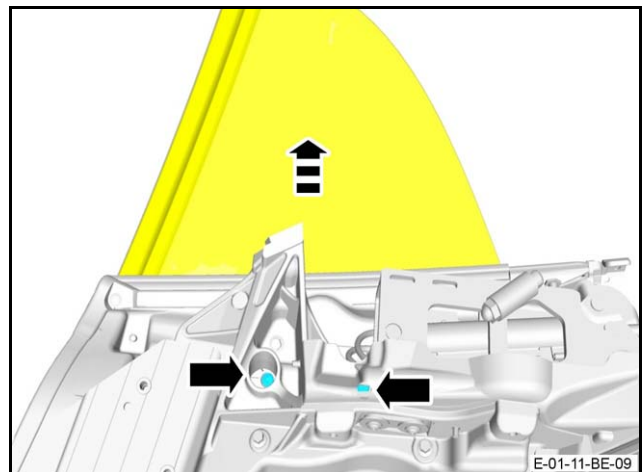


Figure 8

WARNING: PUT ON PROTECTIVE GLOVES WHEN YOU HANDLE THE GLASS DURING THE STEP THAT FOLLOWS. THE GLASS CAN BREAK SUDDENLY AND CAUSE INJURY.

CAUTION: GET THE HELP OF ONE MORE PERSON WHEN YOU REMOVE THE QUARTER GLASS. IF YOU DO NOT, THE GLASS CAN BE EASILY DAMAGED.

27. Remove the quarter window glass
28. Make a mark around the bottom attachment washers to show the position of the regulator for the assembly procedure.

29. Remove the three nuts that attach the regulator to the body (Refer to Figure 9).

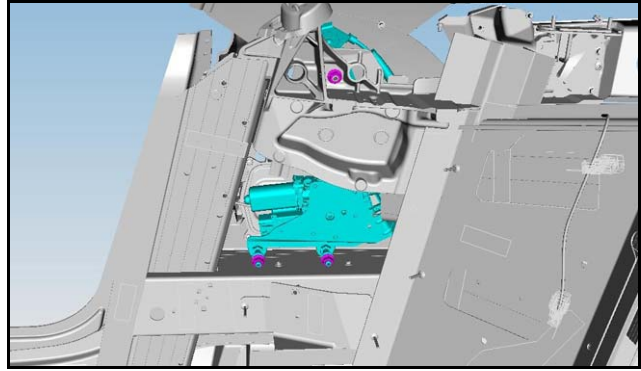


Figure 9

30. Move the regulator up inside the body, to give access (Refer to Figure 10).
31. Use cable ties to hold the regulator.

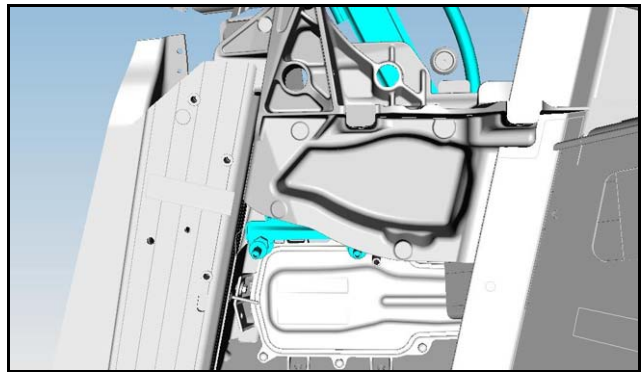


Figure 10

32. Remove the seven screws that attach the tonneau motor box lid (Refer to Figure 11).
33. Move the lid away from the tonneau motor box to give access.

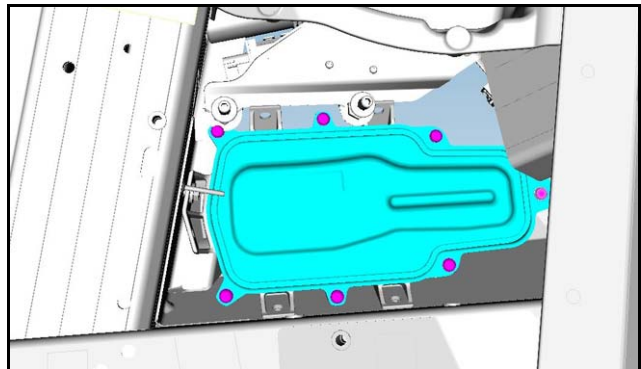


Figure 11

34. Disconnect the tonneau motor harness electrical connector.
35. Remove the three nuts that attach the tonneau motor (Refer to Figure 12).
36. Remove the tonneau motor.

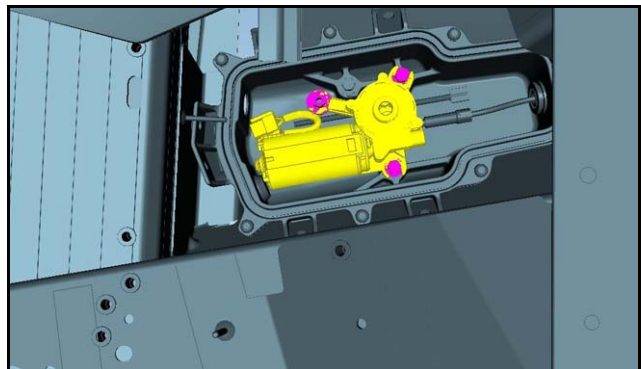


Figure 12

37. Record the positions of the latch and the reaction cable in the bracket when you have removed the motor (Refer to Figure 13).

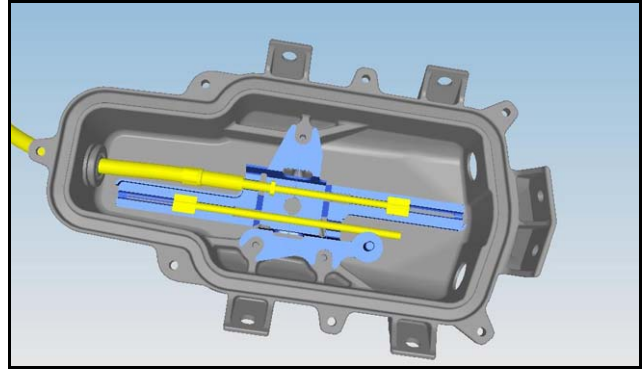


Figure 13

38. Manually push the tonneau latch cable to release the tonneau latch (Refer to Figure 14)

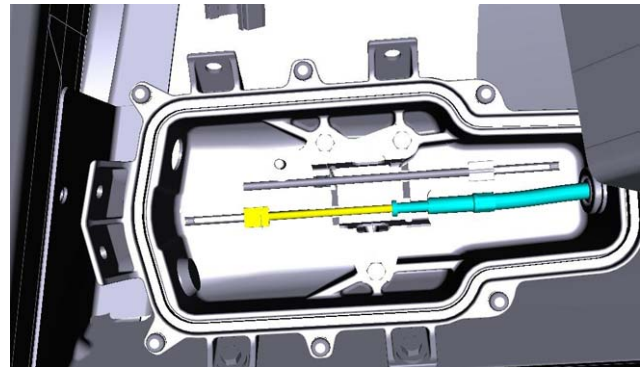


Figure 14

39. If the motor became defective with the roof in the closed position, manually open and fold the roof.
40. Fully clean the inside of the latch motor box, the cables and the bracket.
41. Apply an applicable grease to the latch drive cable.

Installation

1. Put the latch cables in the slide bracket in the same positions recorded during removal (Refer to Figure 15).

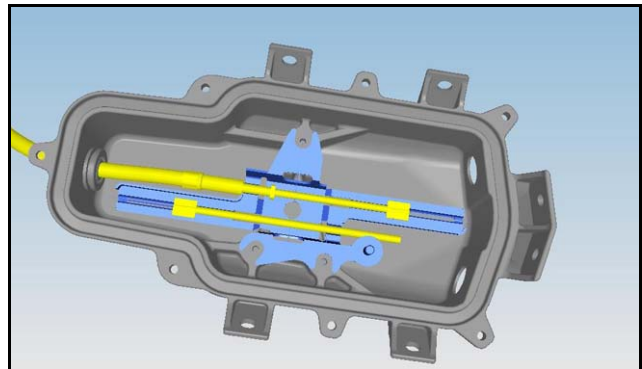


Figure 15

2. Install a new cable guide clip onto the new motor.

3. Install the new latch motor (Refer to Figure 16).
4. Install and tighten the three nuts that attach the latch motor.

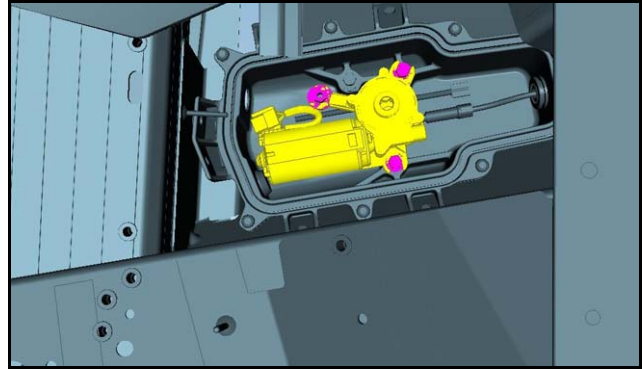


Figure 16

5. Connect the electrical connector for the latch motor harness.
6. Cut the cable tie that holds the window regulator.
7. Connect the electrical connector to the window regulator.
8. Align the window regulator with the mounting bracket.
9. Install the bottom attachment washers.
10. Loosely install the three attachment nuts for the regulator.
11. Align the regulator to the marks that you made during removal and tighten the three attachment nuts

WARNING: PUT ON PROTECTIVE GLOVES WHEN YOU HANDLE THE GLASS DURING THE STEP THAT FOLLOWS. THE GLASS CAN BREAK SUDDENLY AND CAUSE INJURY.

CAUTION: GET THE HELP OF ONE MORE PERSON WHEN YOU INSTALL THE QUARTER GLASS. IF YOU DO NOT, THE GLASS CAN BE EASILY DAMAGED.

12. Put the quarter glass window in position (Refer to Figure 17).

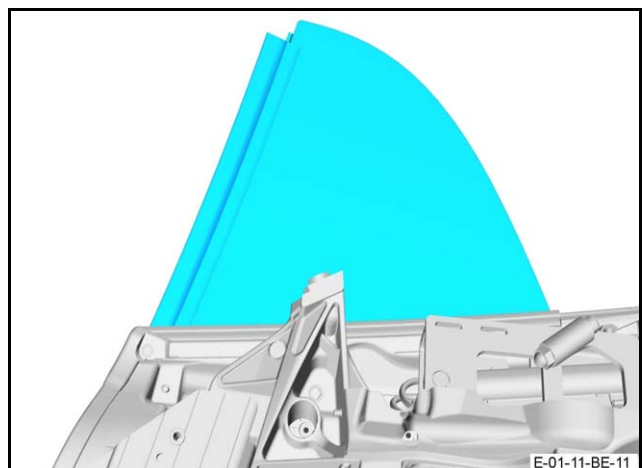


Figure 17

13. Loosely install the two quarter glass window attachment screws (Refer to Figure 18).

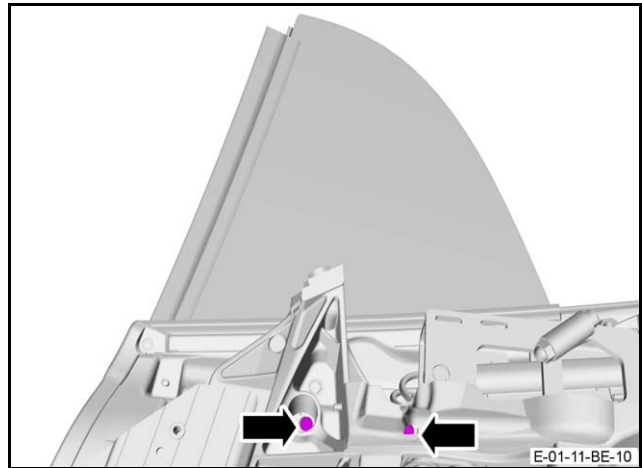


Figure 18

14. Adjust the two inner attachment nuts until there is a 5 mm clearance between the glass and the vehicle body (Refer to Figure 19 and Figure 20).

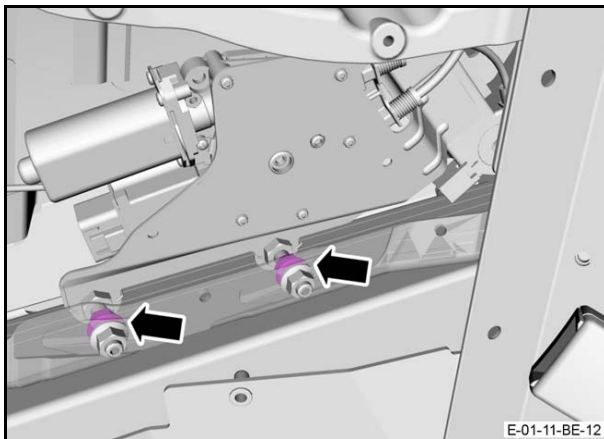


Figure 19

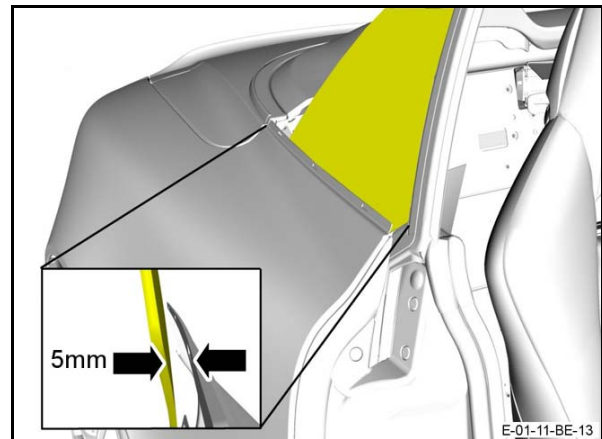


Figure 20

15. Tighten the two outer attachment nuts on the window regulator to 13 Nm.
16. Torque the two quarter glass window attachment screws to 6 Nm (Refer to Figure 21).

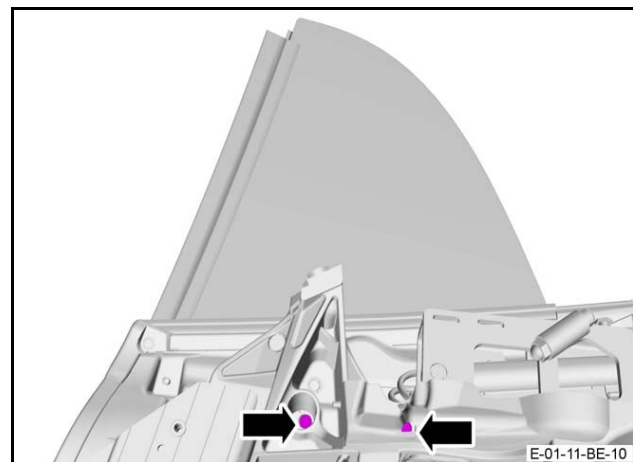


Figure 21

17. Connect the vehicle battery.
18. Set the ignition to on.

19. Close the convertible roof and do a check of the latch for correct operation.
20. Do a check of the alignment between the quarter glass window, the door glass and the roof seals.
21. Open the convertible roof.
22. Set the ignition to off.
23. Install the waist seal for the right side quarter glass window (Refer to Workshop Manual procedure 01.08.CN - Waist Seal for the Right Side Quarter Glass).
24. Put the main body wiring harness through the gap on the shedder panel and attach the harness to the panel with the grommet.

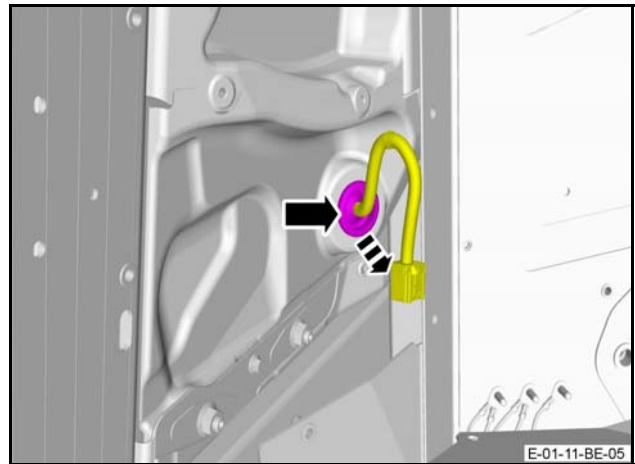


Figure 22

25. Put the shedder panel into position (Refer to Figure 23).
26. Install and torque the two screws that attach the shedder panel to 9 Nm.

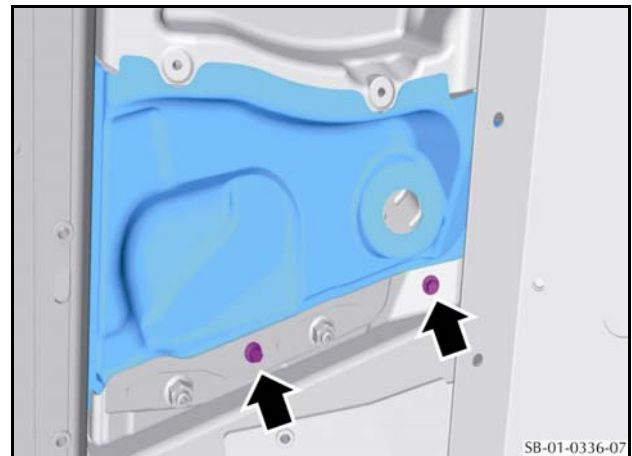


Figure 23

27. Put the seat belt inertia reel and the speaker holding plate into position (Refer to Figure 24).
28. Install the 10 screws that attach the seat belt inertia reel and speaker holding plate. Torque the 10 screws to 9 Nm.

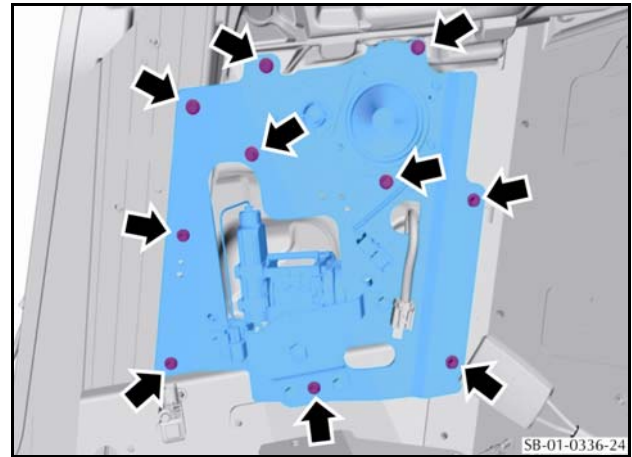


Figure 24

29. Connect the four electrical connectors (1) to the occupant restraint actuation sensor, seat belt inertia reel, speaker assembly and the main body wiring harness (Refer to Figure 25).
30. Install the wiring harnesses into the four clips (2).

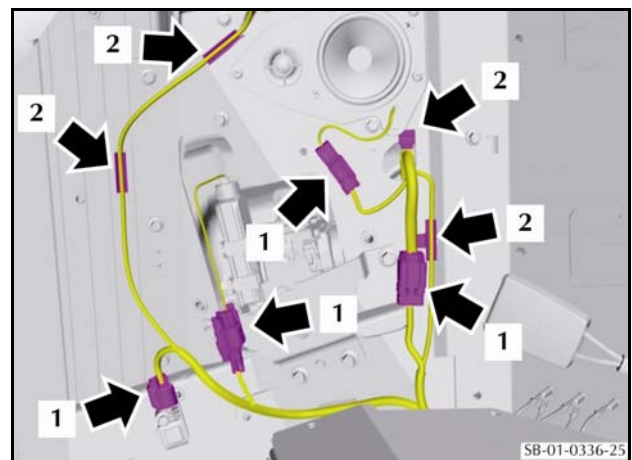


Figure 25

31. Connect the electrical connector to the impact sensor.
32. Connect the seatbelt to the top mounting loop.
33. Install the speaker and bracket assembly.
34. Install and tighten the screws that attach the speaker and bracket assembly.
35. Put the rear speaker in position.
36. Install and tighten the attachment screws for the rear speaker.
37. If necessary, install a new flip-top flap operating rod.
38. Install the side quarter panel assembly (Refer to Workshop Manual procedure 01.05.CL - Right Side Quarter Panel Assembly or 01.05.CM - Left Side Quarter Panel Assembly).
39. Set the ignition to on.
40. Operate the front seat to its initial position.
41. Set the ignition to off.

Part Data

Description	Part Number	Quantity
Tonneau Latch Motor	4G43-37-10477	1
Motor cable guide clip	4G43-239600-AA	1

Warranty Data

Description	Labour Time	ROT Code	Causal Part Number
Left Side Tonneau Latch Motor (Motor does not operate) - Remove and Install (DB9)	1.85 hours	01.14.GJ	4G43-37-10477
Right Side Tonneau Latch Motor (Motor does not operate) - Remove and Install (DB9)	1.85 hours	01.14.GH	4G43-37-10477
Left Side Tonneau Latch Motor (Motor does not operate) - Remove and Install (DBS)	1.85 hours	01.14.GJ	4G43-37-10477
Right Side Tonneau Latch Motor (Motor does not operate) - Remove and Install (DBS)	1.85 hours	01.14.GH	4G43-37-10477

If you have any questions related to this Service Bulletin, please contact: Aston Martin Technical Services
on: +44 (0) 1926 644720 or facsimile: +44 (0) 1926 644733.
E-mail: amtech@astonmartin.com. Or contact your After Sales Manager.

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