

SERVICE ACTION

Reference number:	SA-01-1280	Issued: 24 June, 2019
Subject:	Convertible Roof Motor Service	
Model(s):	DB11 Volante	
VIN range:	Refer to the separately published list of Vehicle Identification Numbers (VINs)	
Applicable to:	All Dealers	
Distribute to:	After Sales Manager Executive Manager Service Manager Sales Manager	Warranty Staff Technician(s) Parts Staff

Reason for this Service Action

Some DB11 Volante vehicles have defective motors for the hydraulic pump that opens the roof. These motors have a short life and can cause a failure when the roof is opened or closed. This Service Action gives instructions to replace the defective motors.

Workshop Procedure

CAUTION: MAKE SURE THAT A CLOTH IS USED TO COLLECT ANY SPILLED HYDRAULIC FLUID. SPILLED HYDRAULIC FLUID CAN DAMAGE ADJACENT COMPONENTS AND ELECTRIC CIRCUITS.

1. Make sure the roof is closed.
2. Do steps 1 thru 12 of Workshop Manual Procedure 01.17.AP to release the hydraulic pump for the convertible roof.

Note: Do not remove the retention plate or the hydraulic lines.

3. Put the hydraulic pump on the protective cloth (refer to Figure 1).



Figure 1

4. Do a check of the date on the pump motor (refer to Figure 2).
 - If the date is one of the below:
 - 071117
 - 081117
 - 111117send an order for a replacement motor (refer to Parts Data below) and go to step 5.
 - If the date is not one of the above, go to step 13.



Figure 2

5. Disconnect the electrical connectors for the valves. Use a small screwdriver to release the locking notch and remove the connector (refer to Figure 3).

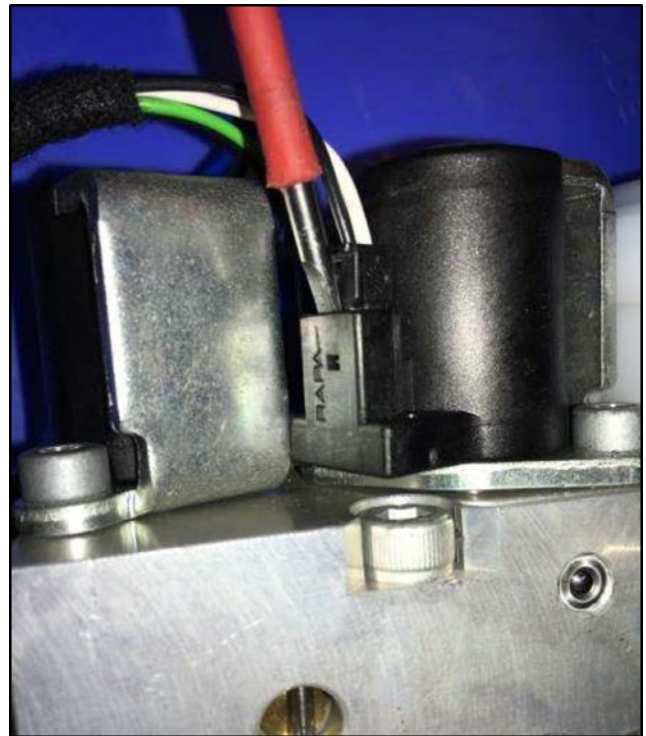


Figure 3

6. Remove all three connectors (refer to Figure 4).

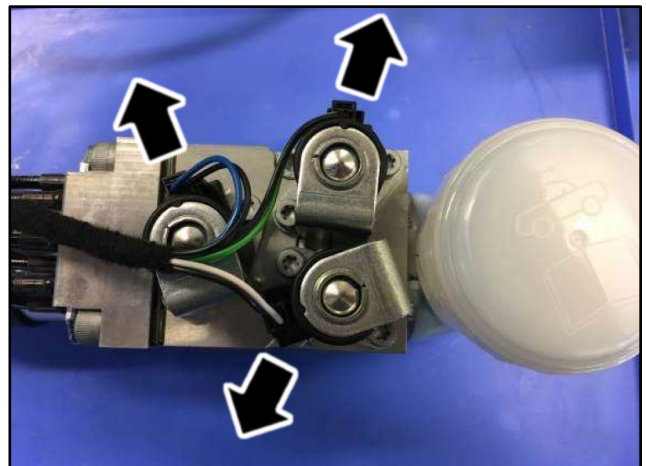


Figure 4

- Put the hydraulic pump in an upright position and remove the two screws that attach the motor (refer to Figure 5).

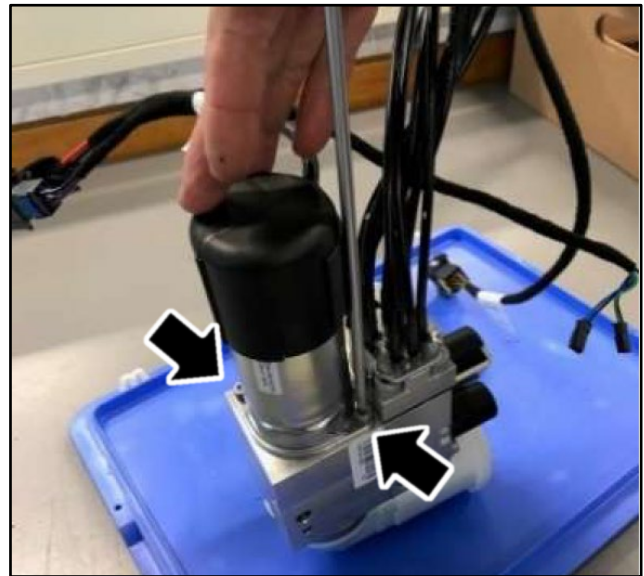


Figure 5

- Release and remove the motor from the hydraulic pump. Keep the hydraulic pump in an upright position.
- Make sure that the new motor has an O-ring attached (refer to Figure 6).



Figure 6

- Install the new motor (refer to Figure 7).



Figure 7

- Install and torque the two screws to 7 Nm (refer to Figure 5).

12. Connect the electrical connectors for the valves, in the positions that follow (refer to Figure 8):

1. Blue
2. Green
3. White

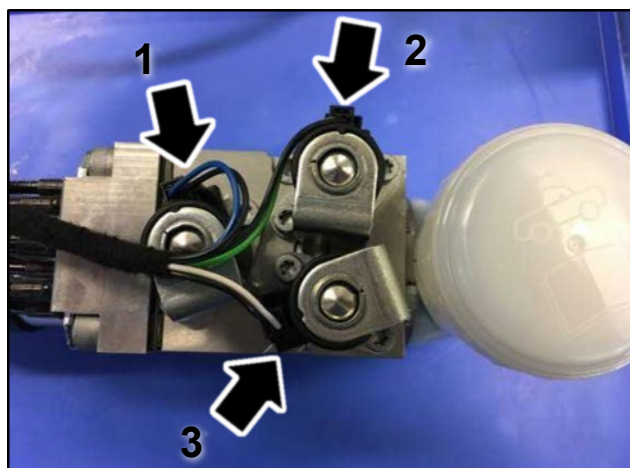


Figure 8

13. Move the hydraulic pump into an upright position and examine for leaks.

14. Make sure that the oil level is between “MIN” and “MAX” (refer to Figure 9).

- If the oil level is low, go to step 15.
- If the oil level is correct, go to step 17.



Figure 9

15. Remove the filler cap and add hydraulic oil (PENTOSIN CHF 202) until the “MAX” indication.

16. Install the filler cap and tighten it.

17. Do step 6, then steps 8 thru 11, of Workshop Manual Procedure 01.17.AP to install the hydraulic pump. Do not install the adhesive tape around the jacket.

18. Do three full roof cycles to test the operation of the hydraulic pump.

19. Do steps 7 thru 12 of Workshop Manual Procedure 01.17.AP to remove the hydraulic pump.

20. Repeat steps 14 thru 16 of this Service Action to do a check of the hydraulic fluid.

21. Install the hydraulic pump (refer to Workshop Manual Procedure 01.17.AP).

Part Data

Description	Part Number	Quantity
HYDRAULIC PUMP MOTOR	KY53-93-10161	1

Warranty Data**Procedure and Labour Time**

Description	Labour Time
Do a check of the date on the hydraulic pump motor	0.5 hours
Do a check of the date on the hydraulic pump motor and replace the motor	1.0 hours

Please Note:

When you have completed this Service Action, make sure that you make an entry in Section A of the Vehicle Owner's Guide to show that the procedure is completed.

If you have any questions related to this Service Action, please contact: Aston Martin Technical Services
on: +44 (0) 1926 644720, email: askamtech@astonmartin.com,
or contact your After Sales Manager.

The English version of this Service Action is written in
Simplified Technical English to ASD-STE100™.