

## SERVICE BULLETIN

|                   |                                                                              |                                                |
|-------------------|------------------------------------------------------------------------------|------------------------------------------------|
| Reference number: | SB-01-1011                                                                   | Issued: 16 April, 2018                         |
| Subject:          | Replacement of DB11 knee airbags                                             |                                                |
| Model(s):         | DB11                                                                         |                                                |
| VIN Range:        | All DB11 vehicles up to L04002.                                              |                                                |
| Applicable to:    | All Dealers                                                                  |                                                |
| Distribute to:    | After Sales Manager<br>Executive Manager<br>Service Manager<br>Sales Manager | Warranty Staff<br>Technician(s)<br>Parts Staff |

### Reason for this Service Bulletin

The design of the DB11 knee airbag has changed to make one of the points where it attaches to the vehicle “poka-yoke.” The initial design of knee airbags are not available to order from Aston Martin Parts.

Figure 1 shows the initial design of knee airbag. The hole for the bolt is in the center of the long bracket that attaches the knee airbag to the vehicle. In the initial design of knee airbag measurement “A” is 25 mm.



Figure 1

Figure 2 shows the new design of knee airbag. The hole for the attachment bolt is **not** in the center of the long bracket that attaches the knee airbag to the vehicle. In the new design of knee airbag measurement “B” is 37 mm.



Figure 2

**Note:** *Figure 1 and Figure 2 show the knee airbag for LHD DB11 vehicles. The knee airbag for RHD DB11 vehicles has the same design change.*

To align with the design change of the knee airbag the design of the DB11 cross-car beam assembly has changed. The design of the bracket for the passenger knee airbag (LHD Federal specification only) has also changed.

If you need to replace the knee airbags on an early DB11 vehicle, do the Workshop Procedures that follow.

## Workshop Procedure

This workshop procedure has the parts that follow (where applicable):

- Part A – Remove and install a new driver knee airbag – RHD
- Part B – Remove and install a new driver knee airbag – LHD
- Part C – Remove and install a new passenger knee airbag – LHD (Federal specification only)

**WARNING:** HANDLE THE AIRBAG UNIT CAREFULLY. THE AIRBAG UNIT HAS AN EXPLOSIVE CHARGE IN IT. IF YOU DO NOT HANDLE THE UNIT CAREFULLY, THE CHARGE CAN OPERATE AND CAUSE INJURY.

### Part A – Remove and install a new driver knee airbag – RHD

1. Remove the driver knee airbag (refer to Workshop Manual procedure 01.20.CN).

**Note:** The procedure that follows is applicable for all DB11 vehicles to L03578. For DB11 vehicles L03579 thru L04002 check the position of the knee airbag attachment bolt hole in the cross-car beam assembly. The procedure is not necessary for vehicles with the new design of cross-car beam assembly.

2. Identify the position where the outboard end of the driver knee airbag is attached to the cross-car beam assembly (refer to Figure 3).

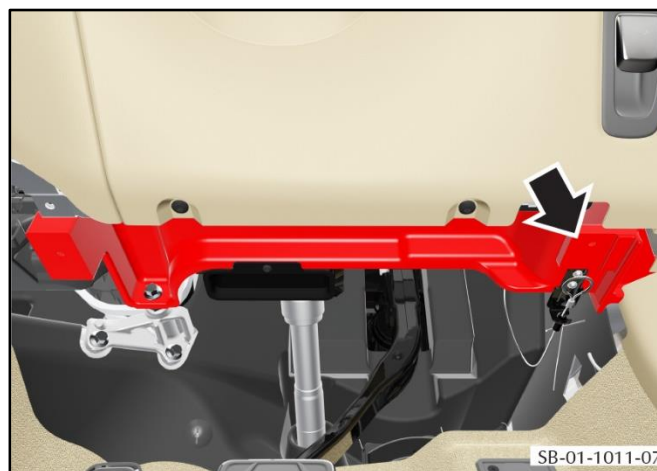


Figure 3

Figure 4 shows the initial design of the cross-car beam assembly. The hole (A) that has a thread for the M6 bolt is:

- 16.6 mm from the inboard edge (B)
- 23.3 mm from the rearward edge (C)

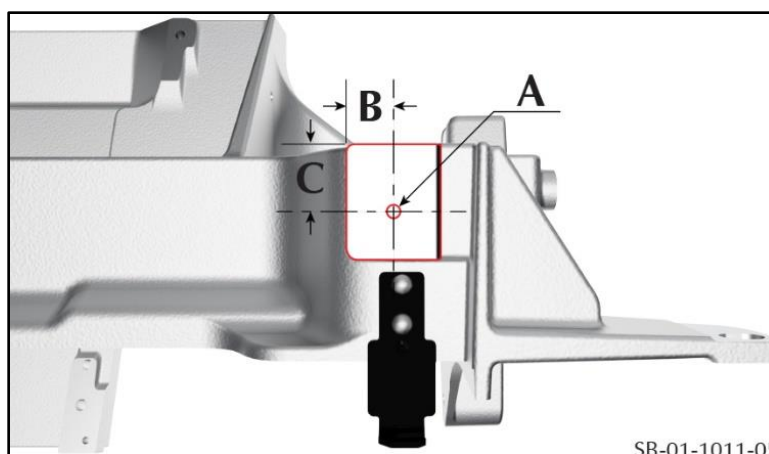


Figure 4

**Note:** *If the vehicle has the initial design of cross-car beam assembly do steps 3 thru 7 before fitting a new driver knee airbag.*

Figure 5 shows the new design of the cross-car beam assembly. The hole (A) that has a thread for the M6 bolt is:

- 17.6 mm from the inboard edge (D)
- 11.2 mm from the rearward edge (E)

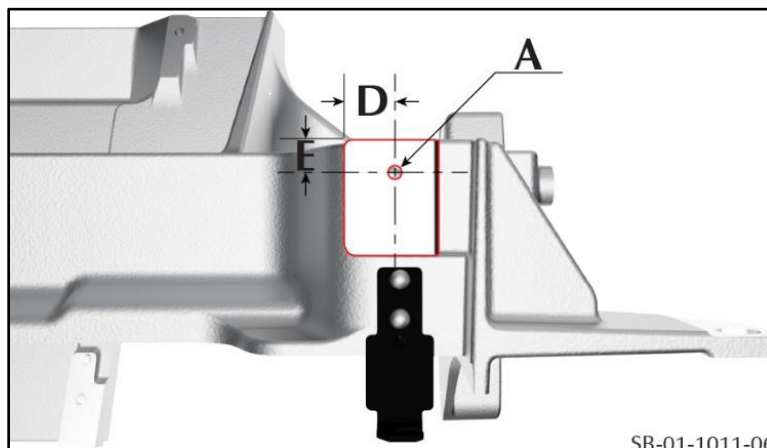


Figure 5

**Note:** *If the vehicle has the new design of cross-car beam assembly go to step 8.*

3. Mark the position of the new hole center with a center punch and hammer (refer to the dimensions from Figure 5).
4. Make a 5.2mm hole through the cross-car beam assembly at the marked position.
5. Cut a thread for an M6 bolt in the hole – use lubricant as required.
6. Remove any rough edges and lubricant from the hole.
7. Do a check that the M6 bolt fits correctly in the new hole.
8. Install the new driver knee airbag (refer to Workshop Manual procedure 01.20.CN).

**CAUTION:** **MAKE SURE YOU USE THE NEW HOLE IN THE CROSS-CAR BEAM WHEN YOU REPLACE THE KNEE AIRBAG. IF YOU DO NOT USE THE NEW HOLE THE KNEE AIRBAG WILL NOT BE CORRECTLY ALIGNED IN THE VEHICLE.**

#### Part B – Remove and install a new driver knee airbag – LHD

1. Remove the driver knee airbag (refer to Workshop Manual procedure 01.20.CN).

**Note:** *The procedure that follows is applicable for all DB11 vehicles to L03578. For DB11 vehicles L03579 thru L04002 check the position of the knee airbag attachment bolt hole in the cross-car beam assembly. The procedure is not necessary for vehicles with the later design of cross-car beam assembly.*

2. Identify the position where the outboard end of the driver knee airbag is attached to the cross-car beam assembly (refer to Figure 6).

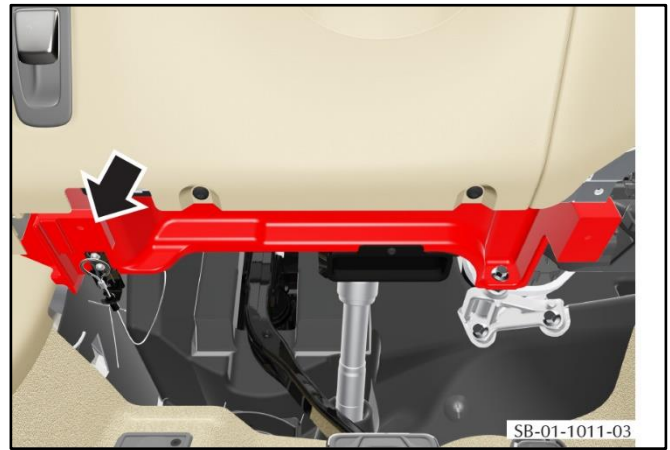


**Figure 6**

Figure 7 shows the initial design of the cross-car beam assembly. The hole (A) that has a thread for the M6 bolt is:

- 16.6 mm from the inboard edge (B)
- 23.3 mm from the rearward edge (C)

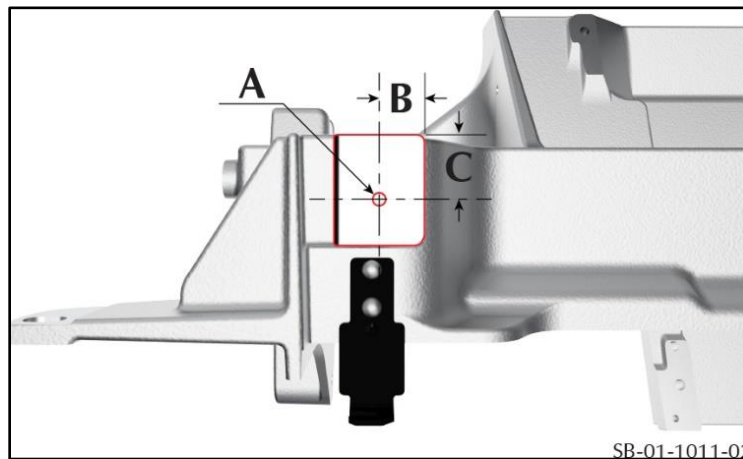


**Figure 7**

**Note:** *If the vehicle has the initial design of cross-car beam assembly do steps 3 thru 7 before fitting a new driver knee airbag.*

Figure 8 shows the new design of the cross-car beam assembly. The hole (A) that has a thread for the M6 bolt is:

- 17.6 mm from the inboard edge (D)
- 11.2 mm from the rearward edge (E)

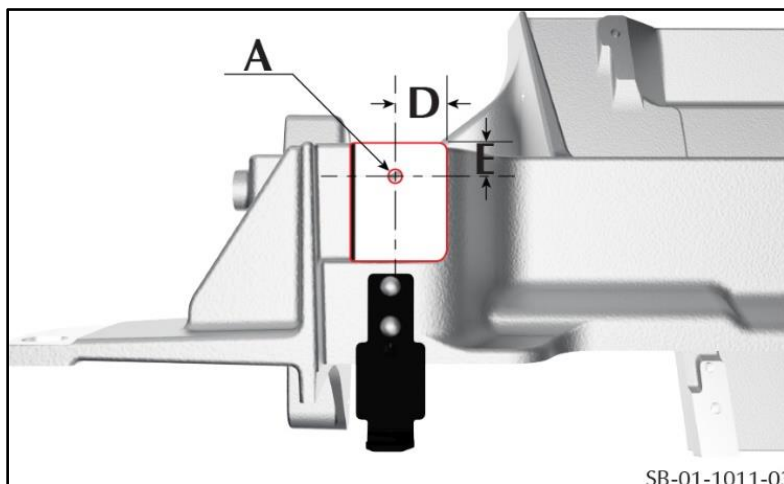


Figure 8

**Note:** *If the vehicle has the new design of cross-car beam assembly go to step 8.*

3. Mark the position of the new design hole center with a center punch and hammer (refer to the dimensions from Figure 8).
4. Make a 5.2mm hole through the cross-car beam assembly at the marked position.
5. Cut a thread for an M6 bolt in the hole – use lubricant as required.
6. Remove any rough edges and lubricant from the hole.
7. Do a check that the M6 bolt fits correctly in the new hole.
8. Install the new driver knee airbag (refer to Workshop Manual procedure 01.20.CN).

**CAUTION:** **MAKE SURE YOU USE THE NEW HOLE IN THE CROSS-CAR BEAM WHEN YOU REPLACE THE KNEE AIRBAG. IF YOU DO NOT USE THE NEW HOLE THE KNEE AIRBAG WILL NOT BE CORRECTLY ALIGNED IN THE VEHICLE.**

**Part C – Remove and install a new passenger knee airbag – LHD (Federal specification only)**

1. Remove the passenger knee airbag (refer to Workshop Manual procedure 01.20.CP).

**Note:** *The procedure that follows is only necessary for DB11 vehicles that do not have the new design of passenger knee airbag support bracket. Do a check of which bracket is installed in the vehicle and only do steps 2 thru 7 if applicable.*

Figure 9 shows the initial design of the passenger knee airbag support bracket. Measurement “A” is 25mm.

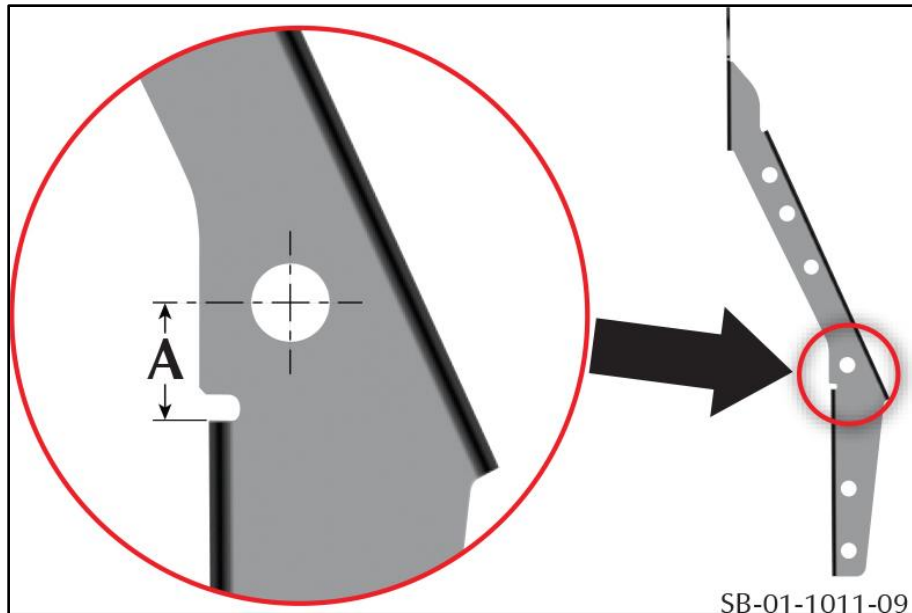


**Figure 9**

Figure 10 shows the new design of passenger knee airbag support bracket. Measurement “B” is 37mm.

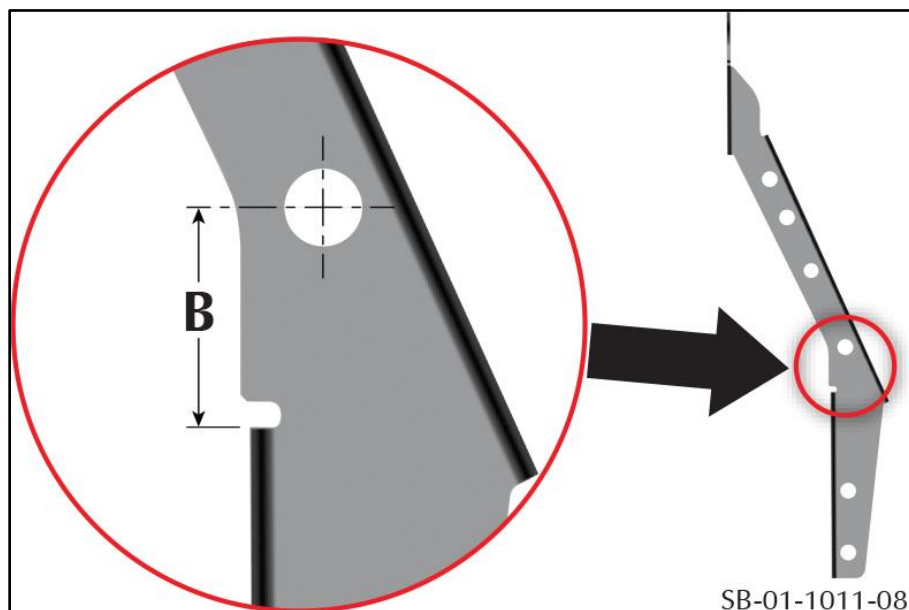


**Figure 10**

2. Remove the passenger's bottom panel for the instrument panel (IP) (refer to Workshop Manual procedure 01.12.DV).

3. Remove the 8 bolts that attach the passenger knee airbag support bracket to the passenger knee protection plate and the IP assembly (refer to Figure 11).

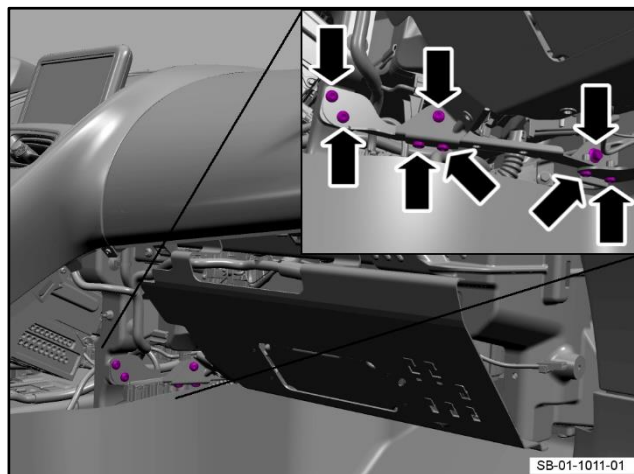


**Figure 11**

4. Carefully lift the passenger knee airbag support bracket away from the passenger knee protection plate and the IP assembly (refer to Figure 12).

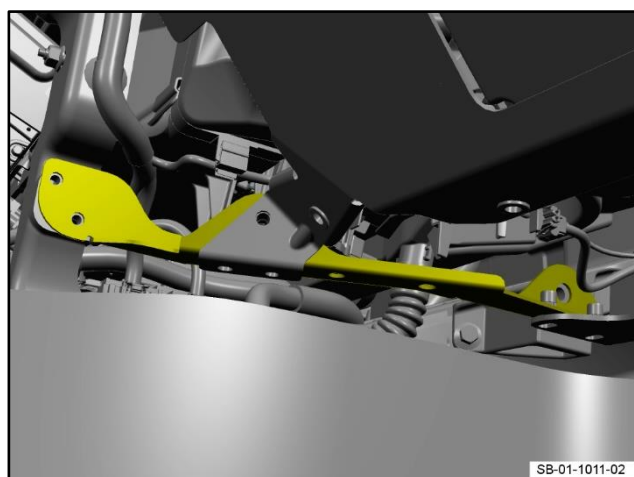


**Figure 12**

5. Remove the passenger knee airbag support bracket (refer to Figure 13).

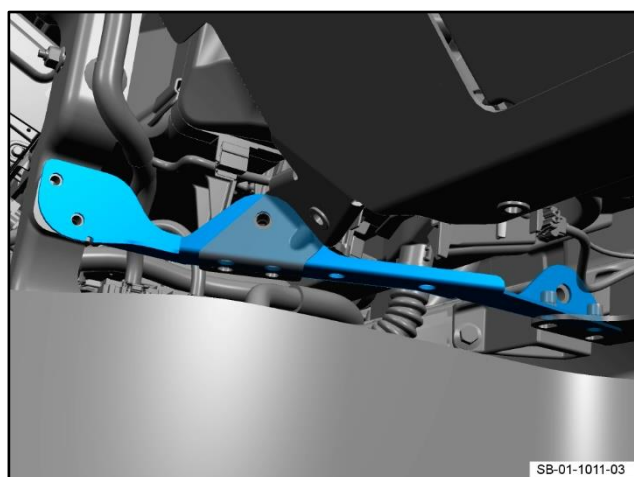


**Figure 13**

6. Install the new passenger knee airbag support bracket. Follow the above procedure in reverse from step 5 to 3.
7. Install the passenger's bottom panel for the instrument panel (refer to Workshop Manual procedure 01.12.DV).
8. Install the new passenger knee airbag (refer to Workshop Manual procedure 01.20.CP).

**Part Data**

| Description                              | Part Number    | Quantity |
|------------------------------------------|----------------|----------|
| PASSENGER KNEEBAG SUPPORT BRACKET (LHD). | HY53-204A45-DB | 1        |

**Warranty Data****Procedure and Labour Time**

| Description                                                                 | Labour Time | ROT Code |
|-----------------------------------------------------------------------------|-------------|----------|
| Remove and install a new driver knee airbag – (RHD / LHD).                  | 1.25 hours  | 01.20.CR |
| Remove and install a new passenger knee airbag (LHD - Federal market only). | 1.55 hours  | 01.20.CS |

If you have any questions related to this Service Bulletin, 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 Bulletin is written in  
Simplified Technical English to ASD-STE100™.