

SERVICE BULLETIN

Reference number:	SB-01-0327V2	Issued: 12 May, 2017
Subject:	Rapide Fuel Filler Door Alignment Problem	
Model(s):	Rapide Only	
VIN Range:	F00001 - F05462	
Applicable to:	All Dealers	
Distribute to:	After Sales Manager Executive Manager Service Manager Sales Manager	Warranty Staff Technician(s) Parts Staff

Reason for Version 2 of this Service Bulletin: SPL-01-001-0327

The torsion spring on the fuel filler door has been changed so the VIN range and reason for this Service Bulletin has been amended. Changes to this document have a black line against them in the left margin. Please destroy all copies of SB-01-0327 that you have and replace them with this Service Bulletin SB-01-0327V2.

Reason for this Service Bulletin

On Rapide vehicles up to chassis number **F01419**, the fuel filler door had a gas strut installed that applied a higher force to open the door. The hinge material of the fuel filler door, in addition to the force of the gas strut, can cause the assembly to move. This can cause the fuel filler door to catch and stay closed when the release button is operated. Also, the fuel filler door does not align correctly in its aperture.

Rapides from **F01419** thru **F05462** do not have a gas strut installed, but the torsion spring that is part of the hinge assembly can still cause the fuel filler door assembly to move after some time. Vehicles after **F05462** have a different torsion spring and should not be affected by this problem.

If a Customer complains that the fuel filler door is not correctly aligned or does not open correctly, do the applicable procedures that follow to correct it.



Figure 1 - Fuel Filler Door Not Aligned

This Workshop Procedure has the parts that follow:

Note: *Part B is only applicable to Rapides up to F01419.*

- Part A - Preparation
- Part B - Remove the gas strut
- Part C - Adjust and assemble

Workshop Procedure

Part A - Preparation

1. Set the ignition to on.
2. Push the fuel filler release button to open the fuel filler door. If the fuel filler door will not open, do steps 3 thru 5 that follow:
3. Get the help of one more person to push and hold the fuel filler release button.
4. Use a thin tool that will not damage the body or paint, as a lever to open the fuel filler door.
5. Release the fuel filler flap button.
6. Set the ignition to off.
7. Release the fuel filler bezel from the extension for the fuel filler neck (refer to Figure 2)

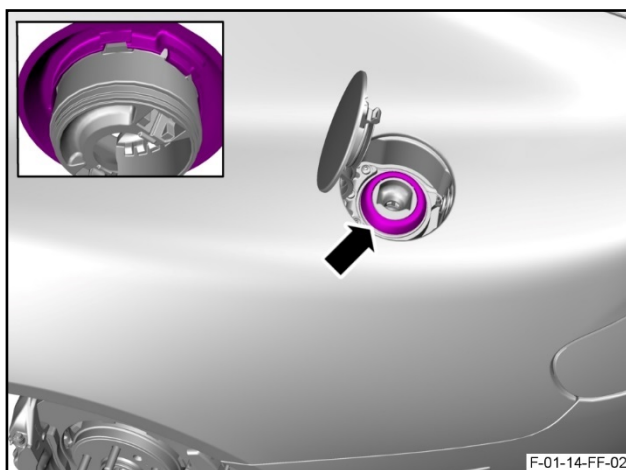


Figure 2

8. Remove the fuel filler bezel (refer to Figure 3)

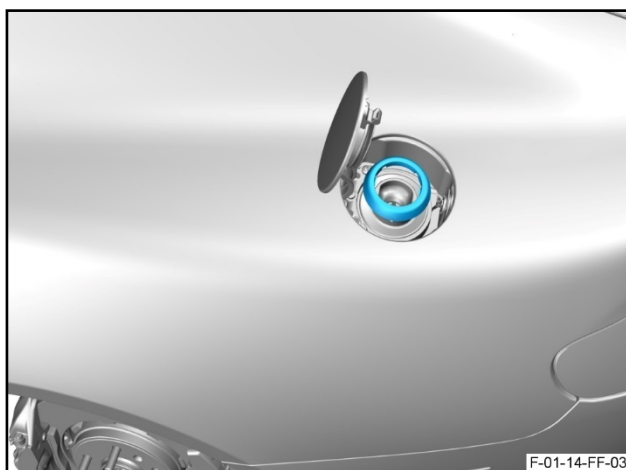


Figure 3

9. Remove the wheel arch liner at the rear left side. (Refer to Workshop Manual procedure 01.02.JB - Rear Left Side Wheel Arch Liner).

10. Remove the two nuts that attach the fuel filler neck to the body (refer to Figure 4).

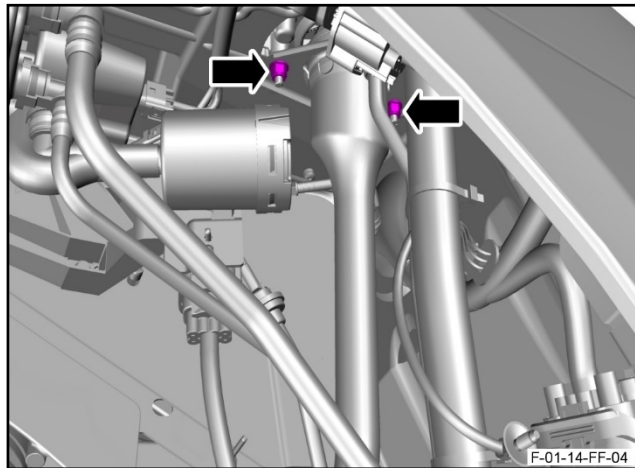


Figure 4

11. Move the fuel filler neck down (refer to Figure 5).

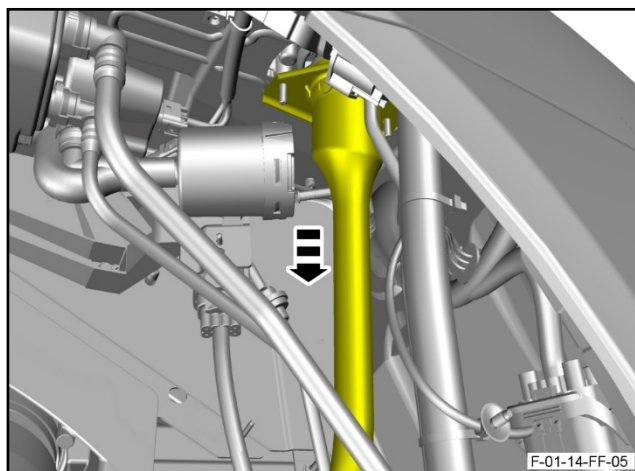


Figure 5

12. Remove the three Torx screws that attach the mechanism for the fuel filler door to the body (refer to Figure 6).

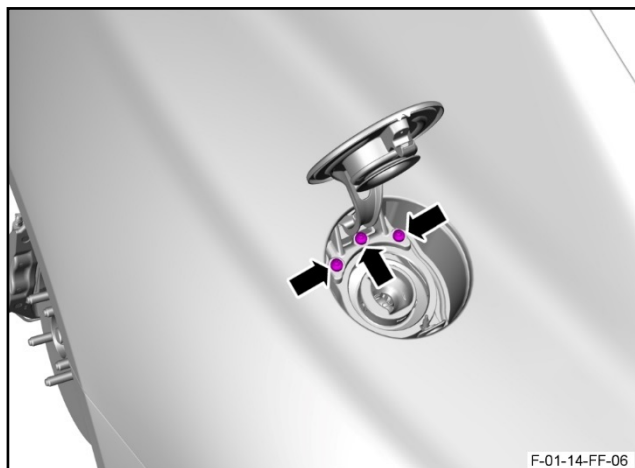


Figure 6

13. Remove the mechanism for the fuel filler door (refer to Figure 7).

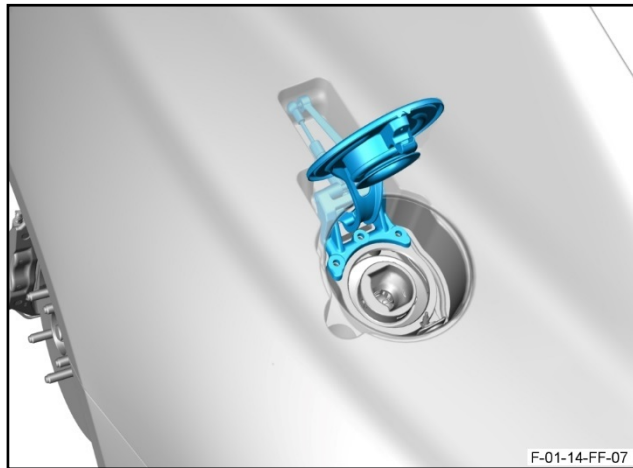


Figure 7

Part B - Remove the gas strut

14. Remove the clip (1) that attaches the ball joint socket of the gas strut (2) to the hinge bracket (refer to Figure 8).
15. Push the retaining cover (3) in the direction of the arrow to release it from the gas strut (3).
16. Remove and discard the gas strut (2).

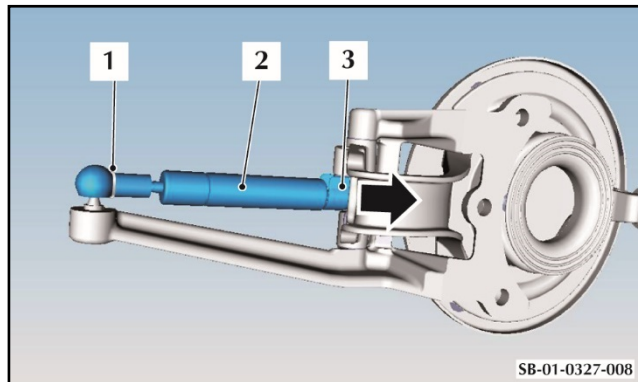


Figure 8

Part C - Adjust and assemble

17. Apply applicable protective masking materials to the painted surface of the fuel filler door to prevent damage.
18. Use an 8.5 mm diameter drill to carefully make the three hinge mounting holes larger (refer to Figure 9).
19. Remove the burrs from the three holes.
20. Apply applicable paint to the bare metal areas of drilled the holes and let it dry

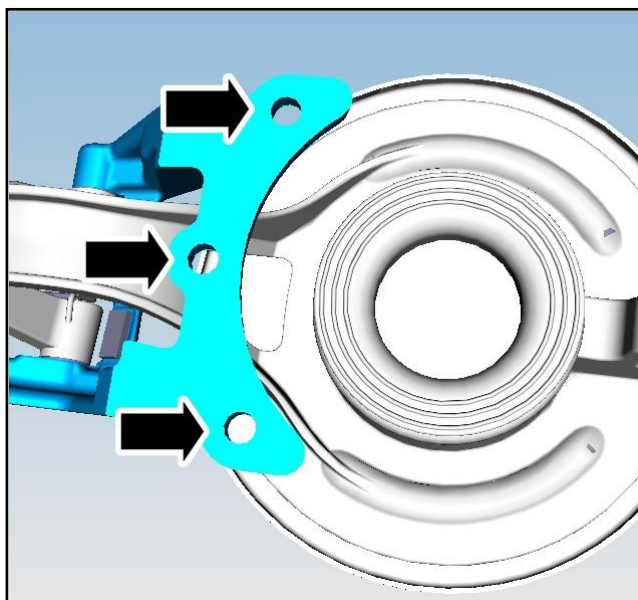


Figure 9

21. Remove the protective masking materials from the filler door.

22. Put the mechanism for the fuel filler door into position and align the door with the opening.
23. Install and torque the three Torx screws that attach the mechanism for the fuel filler door to the body to 5 Nm.
24. Move the fuel filler neck into position (refer to Figure 10).

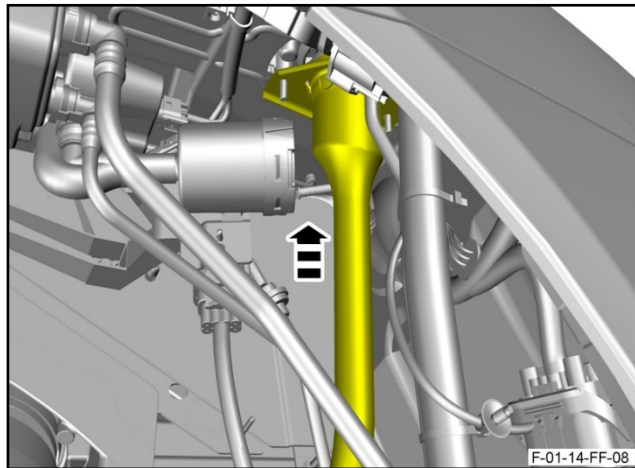


Figure 10

25. Install and torque the two nuts that attach the fuel filler to the body to 9 Nm (refer to Figure 11).

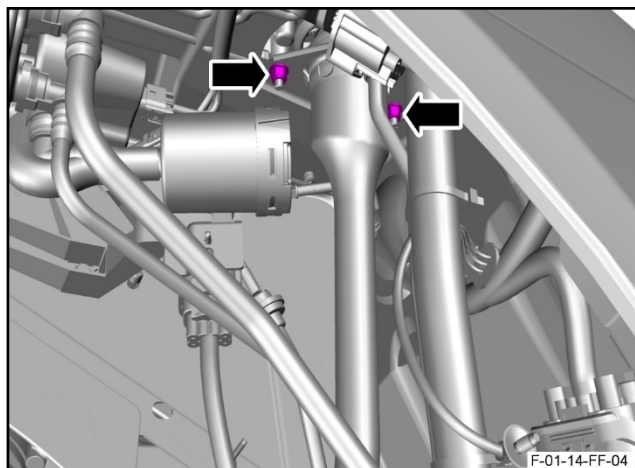


Figure 11

26. Install the rear left side wheel-arch liner (Refer to Workshop Manual procedure 01.02.JB - Rear Left Side Wheel-Arch Liner)
27. Put the fuel filler bezel into position (refer to Figure 12).
28. Install the bezel onto the extension for the fuel filler neck.

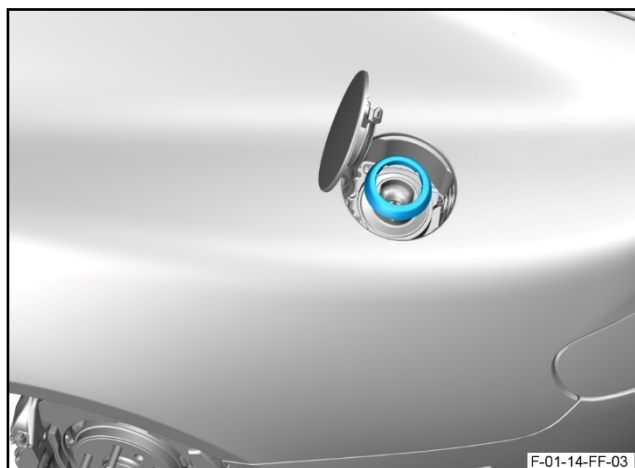


Figure 12

29. Close the fuel filler door.
30. Clean fuel flap paintwork and the adjacent area of the body.

Warranty Data**Procedure and Labour Time**

Description	Labour Time	ROT Code	Causal Part Number
Modification of the Mechanism for the Fuel Filler Door	0.80 hours.	01.14.FG	AD43-F405B96-AB AD43-F405B96-AC

Failure Mode Description

Select the failure modes that follow when you make a claim through the Warranty system:

Subsystem	Location	Component	Mode of Failure
POWERTRAIN	- ENGINE - FUEL SYSTEM	- SB0327	- RAPIDE FUEL FILLER DOOR ALIGNMENT PROBLEM

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™.