

SERVICE BULLETIN

Reference number:	SB-01-1153	Issued: 31 October, 2018
Subject:	Bonnet hinge adjustment	
Model(s):	Vantage 19MY	
VIN Range:	All	
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 Bulletin

Vantage 19MY vehicles can be affected by bonnet lift and bonnet flutter at high speed. The cause of this is the airflow around the vehicle at speeds over 150 mph / 241 kmh.

Do the procedure that follows if the customer has a problem with bonnet lift and bonnet flutter on their vehicle.

Workshop Procedure

CAUTION: BONNET ADJUSTMENT CAN DAMAGE THE PAINT FINISH WHERE THE BONNET CONTACTS OTHER PARTS. THESE PARTS INCLUDE THE BONNET DROP STOP AND THE DOOR.

1. Open the bonnet.
2. Remove the right-side gill panel (refer to item 2 in Figure 1 and Workshop Manual procedure 01.02.KB, steps 1 thru 17).

Key

1. Bonnet
2. Side gill panel
3. Door gas strut
4. Bonnet gas strut
5. Earth strap
6. Bonnet hinge
7. Hinge body leaf fixings
8. Door
9. Drop stop
10. Hinge bonnet leaf fixings

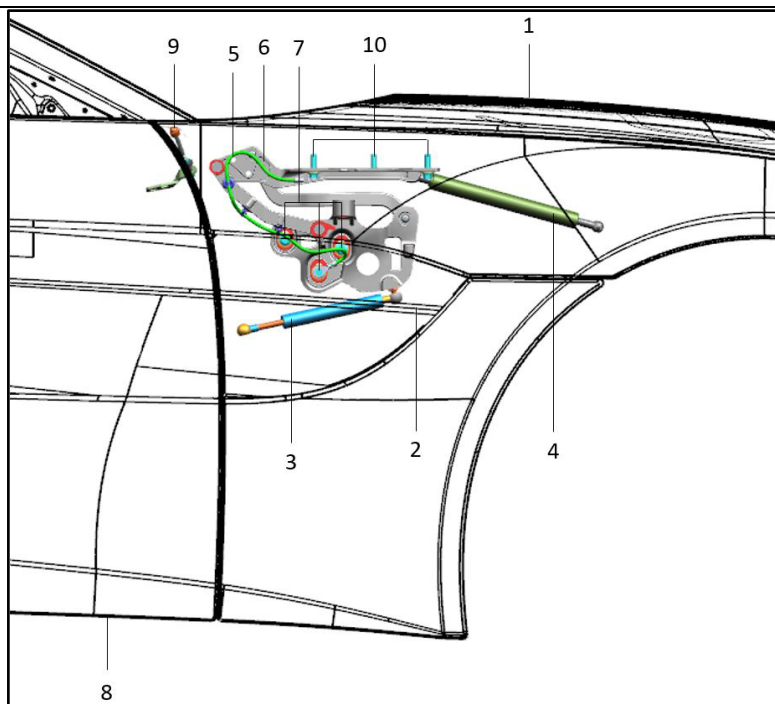


Figure 1

3. Remove the left-side gill panel (refer to item 2 in Figure 1 and Workshop Manual procedure 01.02.LB, steps 1 thru 9).
4. Open the left side door.
5. Release the left-side-door gas strut from its hinge (refer to item 3 in Figure 1).
6. Open the right side door.
7. Release the right-side-door gas strut from its hinge.
8. Close the doors for access.
9. Release the spring clips of the bonnet gas struts, at the end where they connect to the bonnet (refer to item 4 in Figure 1). Do this on both sides of the vehicle.
10. Disconnect the bonnet gas struts at the end where they connect to the bonnet.
11. Remove the earth strap on the left-side bonnet hinge (refer to Figure 2).

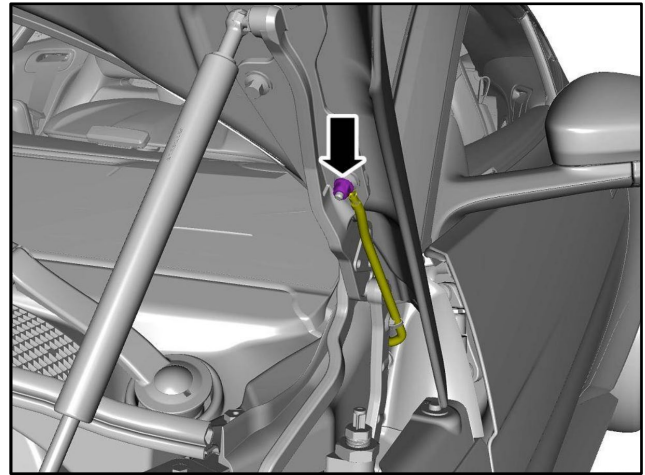


Figure 2

Note: *The following steps require two people. One person should hold the bonnet open as the other person loosens the fixings on the opposite side.*

12. Loosen the hinge-body leaf fixings on both sides of the bonnet (refer to item 7 in Figure 1).
13. Drop the hinge-body leaf fixings to the bottom of their slots. Keep the bonnet as level as possible.
14. Tighten the hinge-body leaf fixings. Start with the middle fixing.
15. Install the bonnet gas struts (refer to item 4 in Figure 1).
16. Close the bonnet.
17. Adjust the bonnet drop stop (refer to item 9 in Figure 1) to align the bonnet height with the door.
18. Measure the distance between the bonnet and the door in the X axis. The gap should be $>3.5\text{mm}$ and $<4.5\text{mm}$.

Note: *If the gap between the bonnet and the door is not correct, do steps 19 thru 23. If the gap between the bonnet and the door is correct, go to step 24.*

19. Open the bonnet.
20. Loosen the hinge-body leaf fixings.
21. Adjust the position of the bonnet in the X-axis to get the correct gap between the bonnet and the door.
22. Adjust the bonnet drop stop to align the bonnet height with the door.

23. Close the bonnet and check the gap.
24. Tighten the hinge-body leaf fixings to 23Nm. Start with the middle fixing.
25. Open the bonnet for access.
26. Attach the earth strap on the left-side bonnet hinge (refer to Figure 2).
27. Open the left side door.
28. Attach the left-side-door gas strut to its hinge. If necessary, loosen the door hinge fixings to allow the gas strut to move past its stop point.
29. Open the right side door.
30. Attach the right-side-door gas strut to its hinge. If necessary, loosen the door hinge fixings to allow the gas strut to move past its stop point.
31. Install the left-side gill panel (refer to Workshop Manual procedure 01.02.LB, steps 23 thru 32).
32. Install the right-side gill panel (refer to Workshop Manual procedure 01.02.KB, steps 23 thru 40).
33. Close the bonnet.

Part Data

Not applicable.

Warranty Data

Procedure and Labour Time

Description	Labour Time	ROT Code
Bonnet Assembly – Adjust and Set	2 hours	01.02.AE

Failure Mode Description

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

Subsystem	Location	Component	Mode of Failure
BODY PANELS	BODY - BONNET / HOOD	BONNET / HOOD - PANEL	POOR PERFORMANCE - VIBRATION / RESONANCE

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™.