

SERVICE BULLETIN

Reference number:	SB-06-1117V2	Issued: 01 April, 2019
Subject:	Brake Squeal	
Model(s):	DB11 & 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

Version 2 of Service Bulletin SB-06-1117V2 has been introduced to replace SB-06-1117. Amendments to this document have a black line against them in the left-side margin. Discard all copies of SB-06-1117 and replace them with SB-06-1117V2.

Reason for this Service Bulletin

Aston Martin has found that some vehicles with steel brake discs can have brake squeal. This is a known property of high performance brakes and can occur at low speed and in low temperatures. Please refer to the vehicle Owners Guide, Chapter 5.

Brake noise analysis

Do a road test of the vehicle. If necessary, have the customer in the vehicle with you.

If the vehicle makes the brake noise again, get another person to record a sound file. This can be done with a mobile phone.

Note: *You must observe all local road traffic regulations when you road test the vehicle.*

Frequency analyser applications are available for mobile phones and can be used to help technicians identify brake noise. If the noise is from the front brakes, the frequency will be between 10.8 and 10.9 kHz. If the noise is from the rear brakes, the frequency will be between 12.5 and 12.7 kHz.

Accelerometer applications are also available for mobile phones and can be used to measure deceleration during the brake bed-in procedure.

Do a visual inspection of the brake discs, pads and wheel mounting face for signs of external contamination. If there are signs of external contamination because the incorrect wheel cleaner was used, this damage will not be covered by the vehicle warranty. The brake pads must be replaced.

Figure 1 gives an example of contamination on the wheel mounting face and caliper.

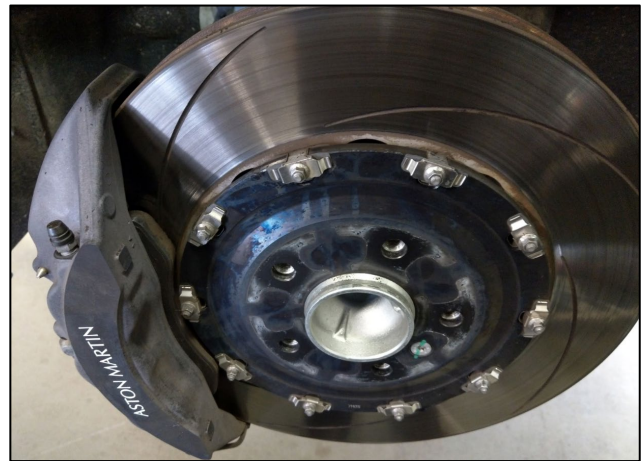


Figure 1

Workshop procedure

1. Remove the brake pads (refer to Workshop Manual procedure 06.03.AD or 06.04.AD). Keep the brake pads if inspection is necessary.
2. Use an abrasive paper to fully clean the braking surface of all four brake discs.
3. Clean all brake dust and contaminants with an aerosol brake cleaner.
4. Apply Tunap paste to the replacement brake pads (refer to Service Bulletin SB-06-0344V2).
5. Do Service Bulletin: SB-06-1005 - Low-Speed Brake Modulation if applicable.
6. Do the brake pad bedding-in procedure (refer to Workshop Manual procedure 06.03.BC)

Customer Education

Aston Martin recommends that After-sales personnel speak with the customer about what products they use when their vehicle is cleaned. Acidic cleaners can cause contamination of the brake pads which can cause brake noise symptoms.

If the vehicle is frequently driven in city traffic, it is necessary to put heat into the brakes at regular intervals. This can be done with gradually heavier application of the brakes at higher speeds where possible with traffic conditions and when safe to do so. This will help to build up a transfer layer of friction material on the brake discs which can reduce brake noise.

If the customer still has complaints related to brake noise, please submit a TSR. The TSR must include:

- Pictures of the brake discs, pads, hubs and calipers
- A video file with audio which shows the vehicle brakes being applied and with brake noise.

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™.