

SERVICE BULLETIN

Reference number:	SB-06-1117V6	Issued: 26 July, 2022
Subject:	Brake Squeal	
Model(s):	DB11 & Vantage (with cast iron brake discs)	
Applicable to:	All Dealers	
Distribute to:	After Sales Manager Executive Manager Service Manager Sales Manager	Warranty Staff Technician(s) Parts Staff

Reason for Version 6 of this Service Bulletin

Changes to the document have a black line against them in the left margin. Please discard all copies of SB-06-1117V5 and replace them with SB-06-1117V6.

Reason for this Service Bulletin

Aston Martin has found that some vehicles with cast iron 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.

Listen for brake noise from the front, rear or both axles and record the noise with a PicoScope or a good quality sound file.

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.

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

Inspection

Do a visual inspection of the brake discs, pads and wheel mounting face for signs of external contamination.

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

Note: 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.

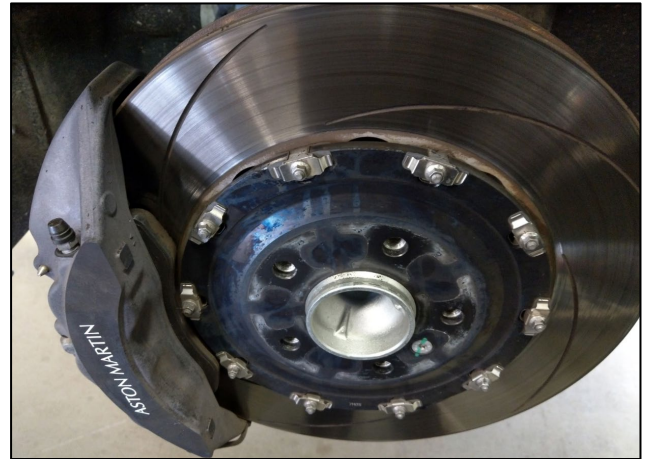


Figure 1

Workshop procedure

1. Remove the brake pads (refer to Workshop Manual procedure 06.03.AD or 06.04.AD).
2. Do a check of the manufacturer's part number (refer to Figure 2).



Figure 2

3. Use the manufacturer's part number to find the Aston Martin part version, in the table below (refer to Figure 3).

Part Number		Pads Identification	Recommendation
Rear	HY53-2C562-AA	07856084 07856085	Refer to step 4 to raise a SpotLight case and complete all the applicable steps.
	MY63-2C562-A*	47D88910 47D88911 47D88912 47D88913	Brake pads are at the highest level of brake squeal performance. Please provide customer education.
	HY53-2C562-BA	XB followed by 4-digit number	
	HY53-2C562-B*	07856048 07856049 07E37910 07E37911	
Front	HY53-2D007-AA	07A9302000 07A9302100	Refer to step 4 to raise a SpotLight case and complete all the applicable steps.
	HY53-2D007-AB		
	MY63-2D007-A*	47D85610 47D85611 47D85612 47D85613	Brake pads are at the highest level of brake squeal performance. Please provide customer education.
	HY53-2D007-BC	07A93040 07A93041	

Figure 3

4. Raise a SpotLight case and use the initial symptom "Brake Noise" and complete all the applicable steps.
5. If replacement brake pads are necessary, refer to the Parts Catalogue for the latest level parts. You must clean the brake components to make sure there is no sign of Tunap or grease on any of the brake components **before** you install new brake pads.
6. Do **NOT** apply Tunap to new brake pads when installing them to the vehicle.

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.

Warranty Data**Procedure and Labour Time**

Description	Labour Time	ROT Code
Vantage Front Pad Kit	1.05	06.03.AD
DB11 Front Pad Kit	1.1	06.03.AD
Vantage Rear Pad Kit	0.8	06.04.AD
DB11 Rear Pad Kit	1.35	06.04.AD

If you have any questions related to this document, please refer to the 'Contact Us' link on this webpage, or contact your local Dealer or After Sales Manager.

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