

SERVICE BULLETIN

Reference number:	SB-06-1117V5	Issued: 29 March, 2021
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 5 of this Service Bulletin

Changes to the document have a black line against them in the left margin. Please discard all copies of SB-06-1117V4 and replace them with SB-06-1117V5.

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	07.8560.84 07.8560.85	Refer to step 4 to request authorisation to replace brake pads to HY53-2C562-B* level.
	MY63-2C562-AA	21MY Vantage onwards	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*	07.8560.48 07.8560.49	
Front	HY53-2D007-AA	07A9302000 07A9302100	Refer to step 4 to request authorisation to replace brake pads to HY53-2D007-B* level.
	HY53-2D007-AB		
	MY63-2D007-AA	21MY Vantage onwards	Brake pads are at the highest level of brake squeal performance. Please provide customer education.
	HY53-2D007-BA	XB followed by 4-digit number	
	HY53-2D007-B*	07A9302200 07A9302300	

Figure 3

4. Contact AMTECH by a Spotlight case and attach the following information:
 - Photos that show no contamination to the brake components
 - Photo of the brake pad part number
 - Sound file that shows if the noise is from the front or rear.
5. If replacement brake pads are necessary, 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™.