Technical product information

Topic	Rear brake squeal (5 KHz) Non CSiC brakes only
Market area	Russische Föderation (5RU),Australia E04 Bentley rest Asia and Australia (6E04),China 796 VW Import Comp. Ltd (Vico), Beijing (6796),Germany E02 Bentley rest Europe (6E02),Japan E03 Bentley Japan (6E03),Korea, (South) E08 Bentley South Korea (6E08),United Arab Emirates E06 Bentley Middle East and Africa (6E06),United Kingdom E01 Bentley UK (6E01),United States E05 Bentley USA and rest America (6E05)
Brand	Bentley
Transaction No.	2063406/1
Level	EH
Status	Approval
Release date	

New customer code

Object of complaint	Complaint type	Position
running gear -> brakes, brake control	noise, vibration	
running gear -> brakes, brake control -> service brake	noise, vibration -> noise	
running gear -> brakes, brake control	component / consumables	

Vehicle data

Bentayga (Non CSiC brakes only)

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
4V1*	2017	E		*	*	*
4V1*	2018	E		*	*	*
4V1*	2019	E		*	*	*
4V1*	2020	E		*	*	*
4V1*	2021	E		*	*	*

Documents

Document name
master.xml

Customer statement / workshop findings

At low speed, during low braking force application, the rear brakes can produce a high frequency noise (5khz)

Technical background

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VERY IMPORTANT: This TPI is only applicable to Non-CSiC brake systems only

Production change

Not applicable

Measure

1) Follow the 'Brake noise identification' TPI 2052785 - IMPORTANT: For frequency analysis the noise recording equipment Bentley Motors recommends is the Chassis ear tool WT 10437

- Obtain a clear recording using WT 10437

2) Carry out an inspection of the brake system to confirm the brake system components are serviceable as per Elsa pro guidelines

3) Confirm if the brake shim kit (36A 698 219) has previously been fitted to the rear brake pads (As per TPI 2046299/-)

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IMPORTANT: The operative MUST now confirm the following via a new or existing DISS query:

Yes - The shim kit is fitted

Or

No - The shim kit is not fitted

- Photograph and record markings (if visible) from the backing plate of all rear brake pads
- Fit a new rear brake pad set - warranty will only be accepted when all information is correctly supplied, brake parts/assemblies should not exhibit damage/wear as shown in the Brake Noise Identification TPI 2052785/-
- Conduct the brake conditioning process as follows:

Brake conditioning process (Iron brakes)

CAUTION: When carrying out the brake pad conditioning (bedding in) process you must adhere to all local speed limits and restrictions

Brake pedal operation	Initial Speed (km/h – mph)	Final speed (km/h – mph)	Deceleration	Cycle Distance	Number of cycles
Operation 1	100 km/h or 60 mph	40 km/h or 25 mph	*(light braking) approximately 5% of total braking effort*	1 km or 0.6 miles	10
Operation 2	120 km/h or 70 mph	40 km/h or 25 mph	*Increase braking effort 10% above operation 1*	1 km or 0.6 miles	3
Operation 3	120 km/h or 70 mph	40 km/h or 25 mph	*Increase braking effort 10% above operation 2*	1 km or 0.6 miles	3
Operation 4	120 km/h or 70 mph	40 km/h or 25 mph	*Increase braking effort 10% above operation 3*	1 km or 0.6 miles	3
Operation 5	100 km/h or 60 mph	0	*(Full braking)*	Repeat	2
Operation 6	120 km/h or 70 mph	40 km/h or 25 mph	*Braking effort to be 10% above operation 3*	1 km or 0.6 miles	10
Operation 7	Return to the dealership	40 km/h or 25 mph	*Normal braking applications*	N/A	N/A

Warranty accounting instructions

Rear brake pads replaced

Warranty type 110 or 910

Damage service number 46 38

Damage code 00 20

Labour

Labour operation code 46 38 20 50

Time 50 TU

Remove and refit both rear wheels

Labour operation code 44 05 20 00

Time 10 TU

Road test/Chassis ear diagnosis

Labour operation code 01 21 00 00

Time 50 TU

Parts information

Refer to the ETKA parts catalogue