

# Technical product information

<b>Topic</b>	Driver/Passenger door/s creak on close - Bentayga - 22 Model Year onwards
<b>Market area</b>	Australia E04 Bentley rest Asia and Australia (6E04),China 723 Volkswagen (Anhui) Automotive CO (6723),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)
<b>Brand</b>	Bentley
<b>Transaction No.</b>	2068321/4
<b>Level</b>	EH
<b>Status</b>	Approval
<b>Release date</b>	

## New customer code

Object of complaint	Complaint type	Position
body fixtures and fittings -> doors	noise, vibration	
body fixtures and fittings -> door, closures operation	functionality	
body fixtures and fittings -> door, closures operation -> close door	noise, vibration -> noise	

# Vehicle data

## Bentayga Series

### Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
4V1*	2022	E		*	*	*
4V1*	2023	E		*	*	*
ZV1*	2023	E		*	*	*

# Documents

Document name
master.xml

### Customer statement / workshop findings

Driver and/or Passenger door creak during the "Power close" function

### Technical background

Ensure the fault is as described within the Customer statement section, please also refer to the video on the Bentley Hub referencing TPI 2061582/-

In the event the symptom is as shown the instructions within the Measure section should be followed

NOTE: The video shown on the Bentley Hub is for reference purposes only, the symptom is the same regardless of vehicle type

HINT: The photographs shown within this TPI are for reference purposes only and may differ slightly from the actual latch which is fitted

### Production change

-

### Measure



**VERY IMPORTANT: It is not a requirement to apply the grease and distribute to all four door latch motors, only the motor which is exhibiting the creak during power close issue should have the rework conducted**

1) To confirm which door creaks during the "Power close" function/operation – Open and close all doors (x10) times (Using the power close function)

- Conduct the remaining instructions on the applicable door latch motors which are creaking during the "Power close" function/operation

Referring to Rep.Gr 57 (front) Or Rep.Gr 58 (rear) - Remove the applicable door latch (Figure 1)

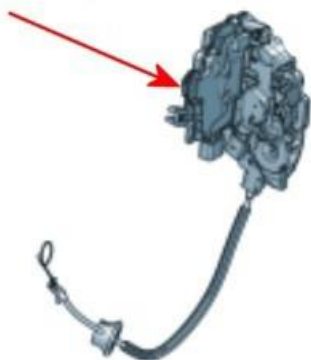


Figure 1

2) Referring to Figure 2 - Apply Dow coming Molycote 33 extreme – Low temperature grease to the inner cable

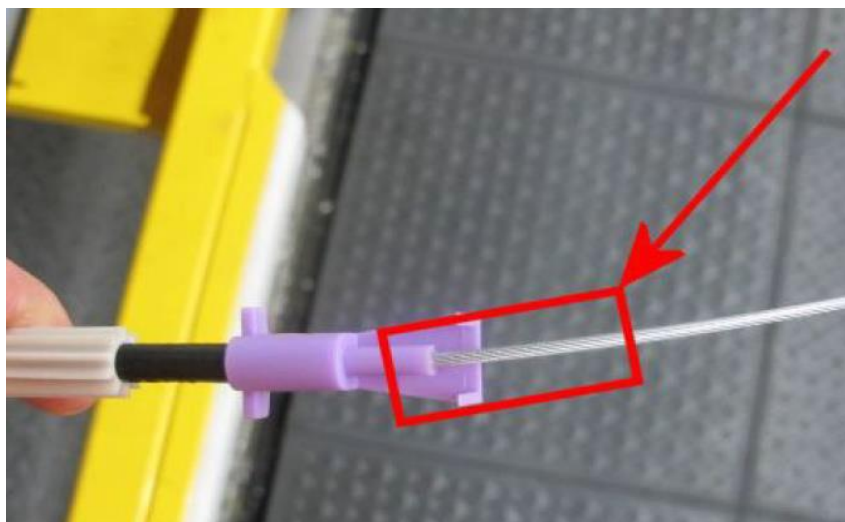


Figure 2

3) Unclip the cable from the latch (Figure 3)



Figure 3

4) Disconnect the rubber boot (Figure 4)

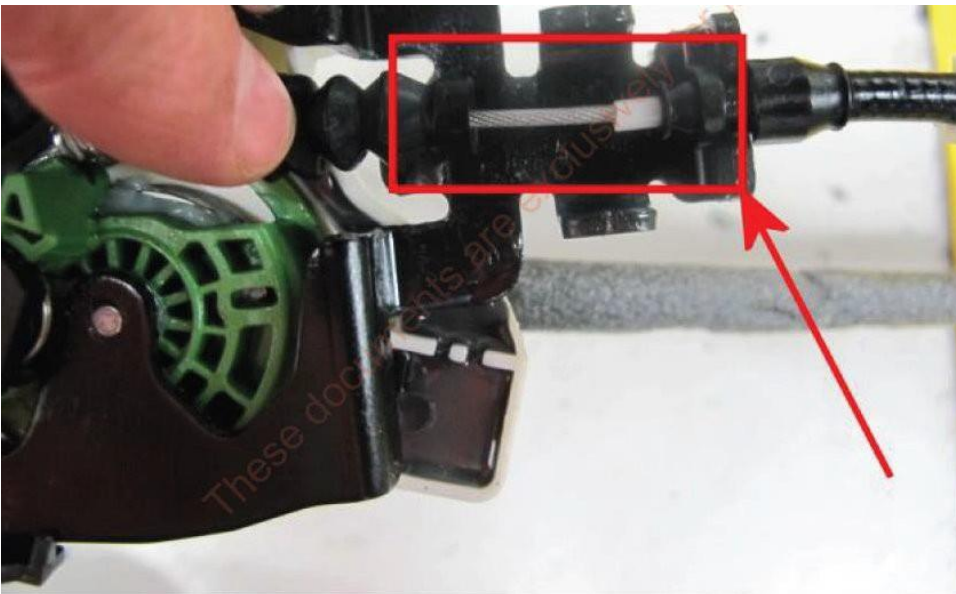


Figure 4

5) Referring to Figure 5 - Compress the rubber boot and apply Dow corning Molycote 33 extreme – Low temperature grease to the cable in the location shown

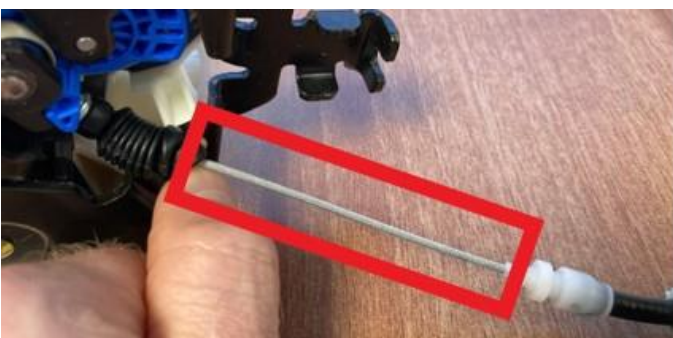


Figure 5

6) Slide the cable towards the latch (Figure 6)



Figure 6

7) Re-clip the Bowden cable into the latch (Figure 7)



Figure 7

8) Referring to Figure 8 - Distribute the grease by holding the inner cable and rotate the outer cable housing 180 degrees clockwise x2 and then 180 degrees anti clockwise

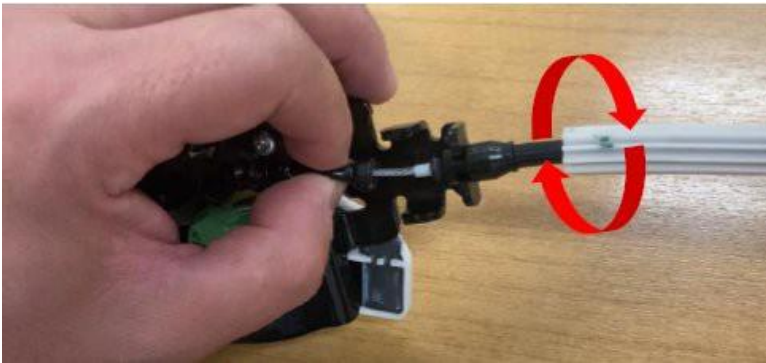


Figure 8

- Refit the rubber boot as shown in Figure 9



Figure 9

9) Referring to Rep.Gr 57 (front) or Rep.Gr 58 (rear) - Refit the door latch

- Check to confirm the door creak during soft close issue is now resolved

Yes - No further action is required

No - Referring to Rep.Gr 57 (front) or Rep.Gr 58 (rear) - Replace the applicable door latch



**VERY IMPORTANT: To assist in any future complaints the retailer should make a record on the vehicles repair history regarding the work which was conducted to eliminate the noise for example – Latch replacement or application of grease**

10) Before returning the vehicle to the customer, the operative should confirm the issue is no longer evident - Open and close all doors (x10) times (Using the power close function) to confirm the issue is no longer evident

NOTE: Please ensure the open/close test is replicated in the same circumstances as when the customer experiences the issue For example - Car parked in direct sunlight

### **Warranty accounting instructions**

Warranty Type 110 or 910

Damage Service Number 57 17

Damage Code 00 20

#### **Time to remove and refit the rear door trim**

##### **Labour**

Labour operation code 70 73 19 00

Time 20 Time units

#### **Time to remove and refit the front door trim**

##### **Labour**

Labour operation code 70 59 19 00

Time 20 Time units

#### **Time to apply the grease (front x1)**

Labour operation code 57 17 49 00

Time 10 Time units

#### **Time to apply the grease (rear x1)**

Labour operation code 58 17 49 00

Time 10 Time units

#### **Time to remove and refit x1 door latch motor (grease application)**

##### **Labour**

Labour operation code 57 17 19 00

Time 40 Time units

#### **Time to remove and refit x1 door latch motor (grease application)**

##### **Labour**

Labour operation code 58 17 19 50

Time 30 Time units

#### **Time to replace x1 door latch in the event the noise is evident after grease application (Front)**

Labour operation code 57 17 55 00

Time 20 Time units

#### **Time to replace x1 door latch in the event the noise is evident after grease application (Rear)**

Labour operation code 58 17 55 00

Time 30 Time units

### **Parts information**

The grease shown in Figure 11 **must be sourced locally**, in the event the grease type cannot be sourced please contact your supplier to enable grease of the same specification to be supplied

# MOLYKOTE® 33 Light Extreme Low Temperature Grease

Grease for use under a wide range of temperature conditions for light-load applications where there is metal-to-metal or metal-to-plastic friction at low to high speeds

## Features

- Good oxidation resistance
- Wide service-temperature range (-73°C to 180°C)
- Superior low-temperature characteristics
- Compatible with most plastics
- Water-resistant

## Composition

- Silicone oil
- Lithium soap

## Applications

Ideal for use in roller and conveyer equipment, control cables, electric motors, photographic equipment, optical equipment, measurement equipment, etc. Is also used in refrigerators or freezer equipment.

## How to use

Clean points of application. As is usual with lubricating greases, apply or fill by means of a brush, spatula, or automatic lubrication device.

## Handling precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION.

## Usable life and storage

When stored between 0°C and 40°C in the original unopened containers, MOLYKOTE® 33 Light Extreme Low Temperature Grease has a usable life of 60 months from the date of production.

## Typical properties

Specification writers: These values are not intended for use in preparing specifications. Please contact your local MOLYKOTE® sales representative prior to writing specifications on this product.

Standard <sup>(1)</sup>	Test	Unit	Result
	Color		White
<b>Consistency, density, viscosity</b>			
DIN 51 562	Kinematic base oil viscosity at 25°C	mm <sup>2</sup> /s	100
ISO 2137	Worked Penetration	mm/10	300 - 340
	NLGI class		Appr. 1
ISO 2811	Density at 25°C	g/cm <sup>3</sup>	0.98
<b>Temperature Range</b>			
	Service temperature range	°C	-73 to 180
IP 398/02	Dropping point	°C	≥ 190
ASTM D1478-80	Low-temperature torque test at -73°C		
	Initial breakaway torque	Nm	95 x 10 <sup>-3</sup>
	Torque after 20 min running time	Nm	30 x 10 <sup>-3</sup>
<b>Oil Separation</b>			
ASTM D 6184	Bleed (150°C / 24 h)	%	≤ 5.5
ASTM D 6184	Evaporation (150°C / 24 h)	%	≤ 3.5
DIN 51817	Oil Separation (40°C / 7 days)	%	5.8
<b>Load-carrying capacity</b>			
DIN 51350 pt. 4	Four-ball weld load (1,500 rpm / 1 min)	N	1,400
	Maximum Dn value	mm/min	250,000

<sup>(1)</sup> DIN: Deutsche Industrie Norm; ISO: International Standardization Organization; ASTM: American Society for Testing and Materials; IP: Energy Institute IP Test Method.

Figure 10



In the event a door latch is required to be replaced please refer to the ETKA parts catalogue