

Technical product information

Topic	Bentayga - Lower suspension lever inner bush - Front
Market area	Bentley: worldwide (2WBE),Hongkong-Macau (5HK)
Brand	Bentley
Transaction No.	2045979/2
Level	EH
Status	Approval
Release date	

New customer code

Object of complaint	Complaint type	Position
running gear -> shock absorber/suspension control -> self-levelling suspension	functionality -> without function / defect	
vehicle service -> service, maintenance -> general inspection	service: process -> with determination of concern	
vehicle service -> service, maintenance -> repair execution	service: process -> with determination of concern	
vehicle service -> vehicle diagnosis	service: process	
running gear -> shock absorber/suspension control	functionality	
running gear -> adaptive suspension, pitch and roll compensation	noise, vibration	

Vehicle data

Bentayga

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
4V1*	2017	E		*	*	*

Chassis numbers

Manufacturer	Filler	Type	Filler	MY	Factory	From	To	Prod from	Prodto
SJA	*	*	*	*	C	000001	014046		

Documents

Document name
master.xml
lowersuspensionleverbushes.docx

Customer statement / workshop findings

Referring to Figure 1 (arrow) In the event the left or right hand front lower lever inner bushes are required to be replaced please refer to the onward information within this TPI

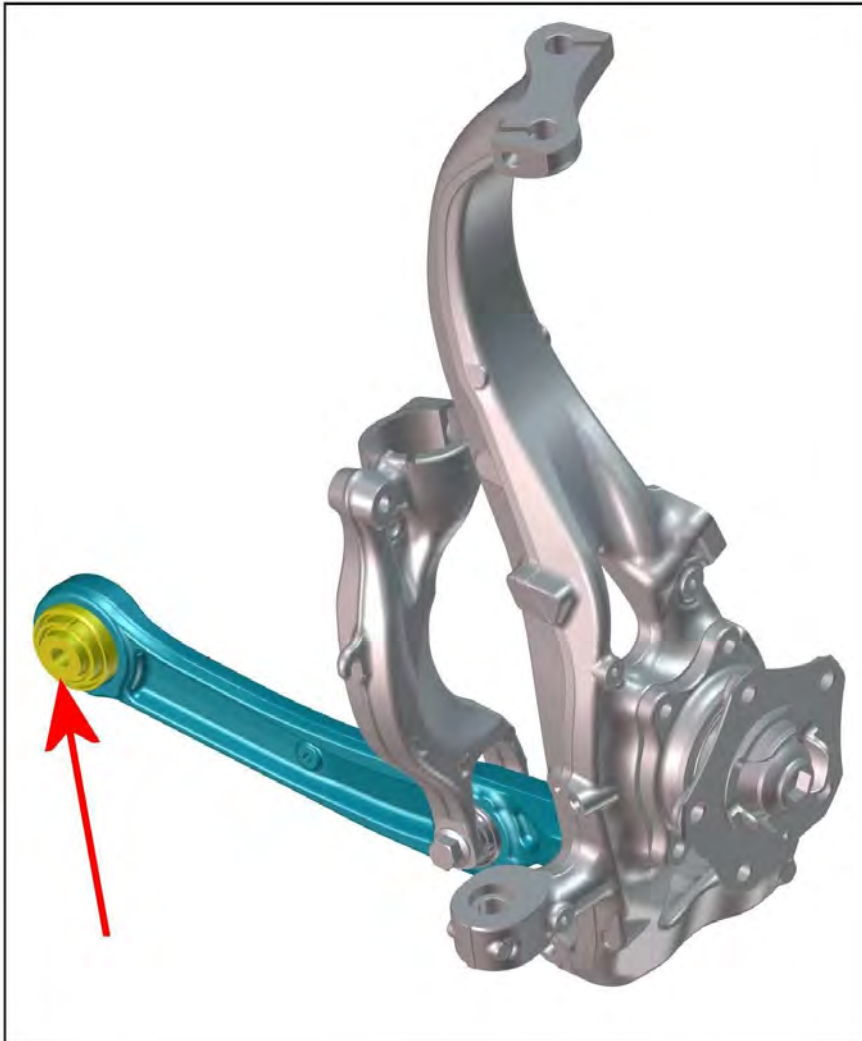


Figure 1

Technical background

The latest level bushes are manufactured from a stiffer rubber compound, the bushes can now be replaced without the need to replace the actual link assemblies

Production change

All Bentayga vehicles after VIN SJAAB14V7HC014046 were manufactured with the latest specification parts, all VIN's prior to VIN SJAAB14V7HC014046 have a softer rubber compound bush installed at the time of manufacture

Bush replacement when conducting this TPI

- When conducting this TPI the bushes must be replaced in pairs (right and left hand) do not replace one side only.

In the event that one front lower lever is at fault for example: *Accident damage to the right hand side resulting in lever damage, the individual lower lever can be replaced providing the opposite side inner bush has the part number 4M0 407 182A installed, in the event the opposing side is not at "A" level the bush can be replaced without the need to replace the lever (providing the opposing side lever is not damaged)*

Measure

- In the event that a front lower lever inner bush requires replacement - Refer To workshop manual Rep.Gr.40 front suspension, lower suspension lever bushes – to remove and fit **NOTE: Should the remove and refit instructions not be visible within the repair manual please refer to the attached document and follow the instructions to replace the applicable bush. The lubricant quoted within the procedure should be sourced locally or use a suitable alternative of the same specification**

Within the Repair manual procedure there are single use items which must be replaced and not reused. Ensure that new replacements are available prior to starting this procedure – Refer to Elsa pro and ETKA parts catalogue

Warranty accounting instructions

Remove and refit the right and left hand front levers

Warranty Type	110 or 910
Labour Operation Code	40172000
Damage Service Number	4017
Damage Code	0010
Time	190 Time units

Replacement of the right and left hand front lower inner bushes

Warranty type	110 or 910
Labour Operation Code	40205650
Damage Service number	4020
Damage code	0010
Time	20 Time units

Parts information

The part number quoted are correct at the time of publication, always refer to the ETKA parts catalogue for the latest specification parts

Part Number	Description	Quantity
4M0407182A	Bonded bush	2

Lower suspension lever bushes - To replace

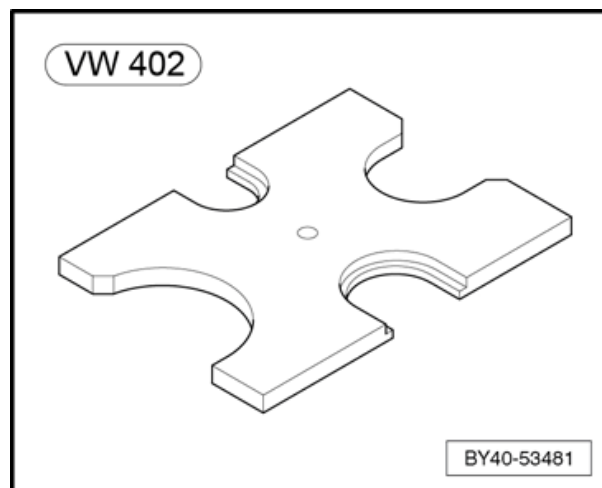
General Information

Bush — Lower suspension lever rear — To remove and fit

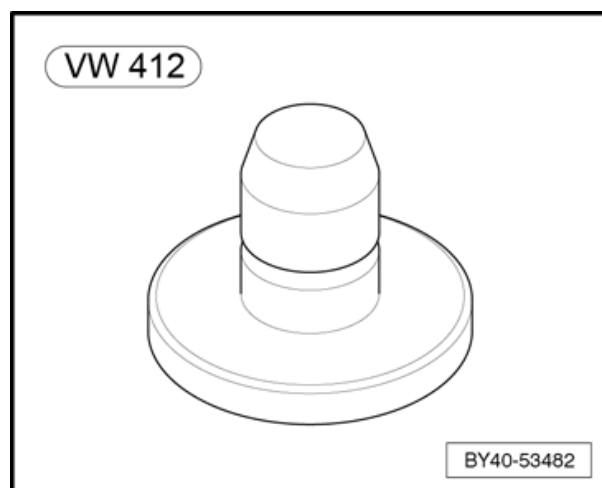
- Removing and installing bonded rubber bush for guide link

Special tools and workshop equipment required

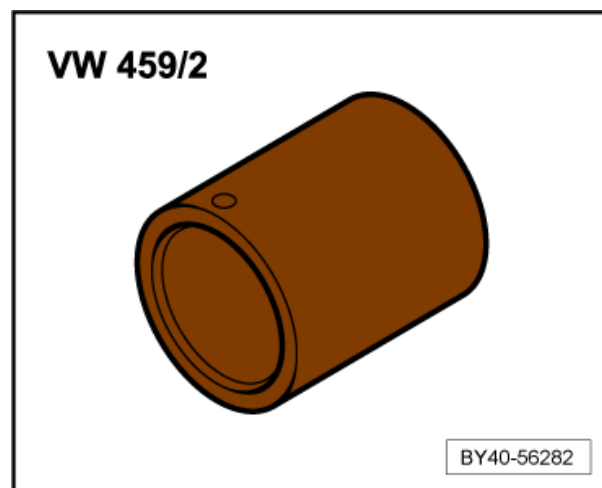
- ◆ Thrust plate — VW 402



- ◆ Press tool — VW 412



- ◆ Removal tool

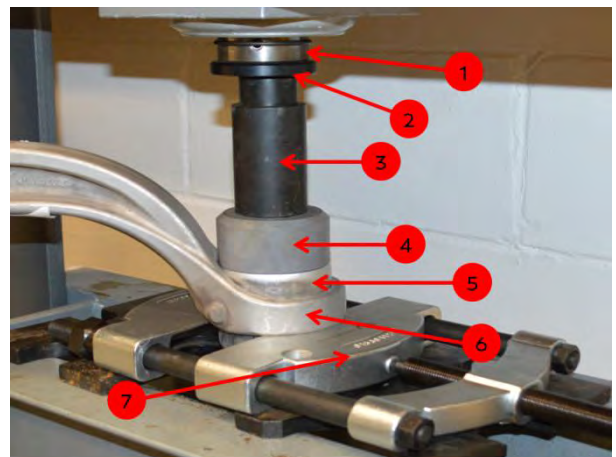


- ◆ Removal sleeve
- ◆ Workshop press VAS 6654
- ◆ Assembly lubricant -G 294 421 A1-



Removal

- Remove rear lower suspension lever. Refer to "Lower suspension lever — Rear — To remove and fit". → [Rep.-Gr.40](#)
- Mark installation depth on bonded rubber bush using a waterproof felt-tip pen or similar.
- Set up special tools as shown in illustration
 - ◆ -1- Workshop press -VAS 6654
 - ◆ -2- Press tool guide
 - ◆ -3- Suitable spacer
 - ◆ -4- Press tool T40048/7
 - ◆ -5- Bonded rubber bush
 - ◆ -6- Suspension arm
 - ◆ -7- Separating device VAS 251413



Note

Hold the suspension arm when pressing the bonded rubber bush in or out.

- Press bonded rubber bush out of guide link.

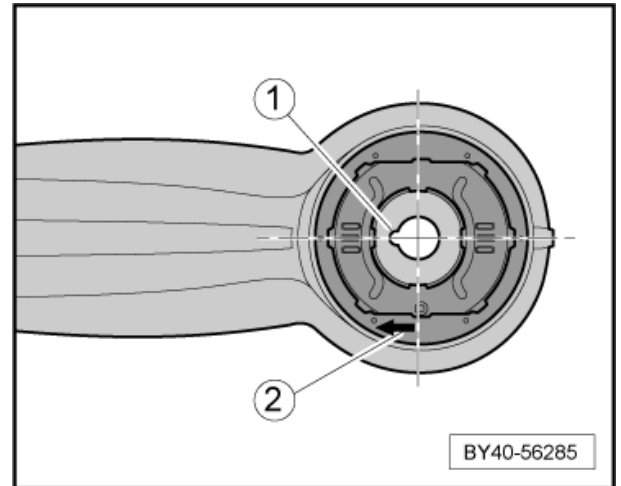
Installation

Installation is the reverse of removal procedure, noting the following.

- Transfer marking for installation depth from old bonded rubber bush to new bush.
- Lightly lubricate new bush with assembly lubricant.

Installation position of bonded rubber bush

- Notch -1- should be parallel with guide link and should point inwards towards guide link.
- Arrow -2- points inwards towards guide link.
- Fit bonded rubber bush into guide link using previous setup of special tools.
- Press bonded rubber bush into guide link, taking care to keep it straight.
- Use marking made before removal -**arrow**- as a guide.

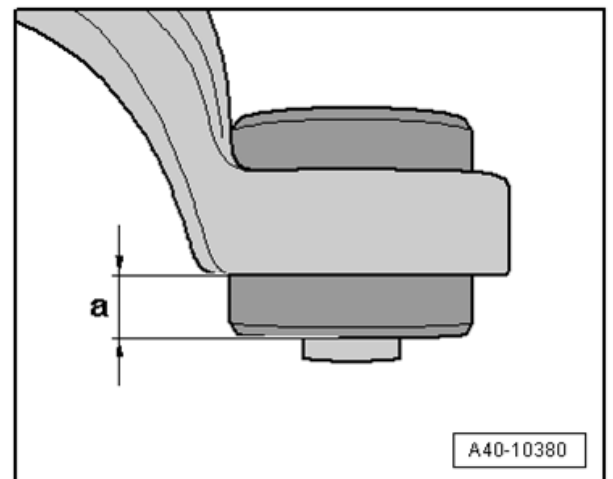


- Check installation depth -a- of bonded rubber bush in guide link.

i Note

I Dimension -a- = 23 mm

- Press bonded rubber bush in further if specification is not met.
- Refit rear lower suspension lever.

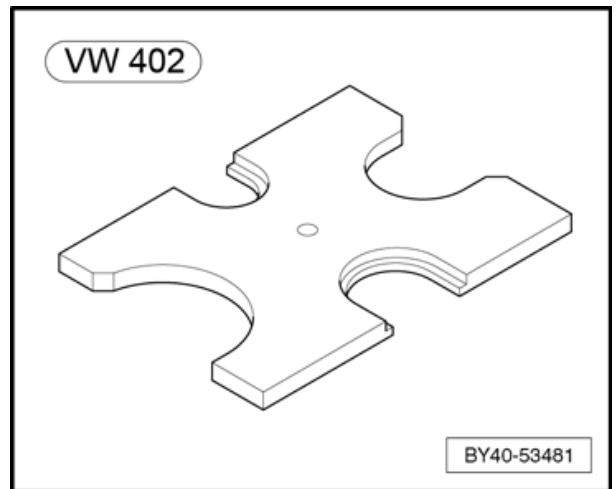


Bush — Lower suspension lever front — To remove and fit

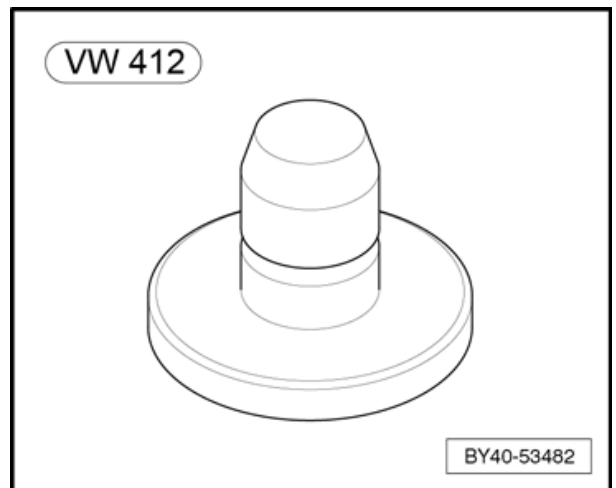
- Removing and installing bonded rubber bush for guide link

Special tools and workshop equipment required

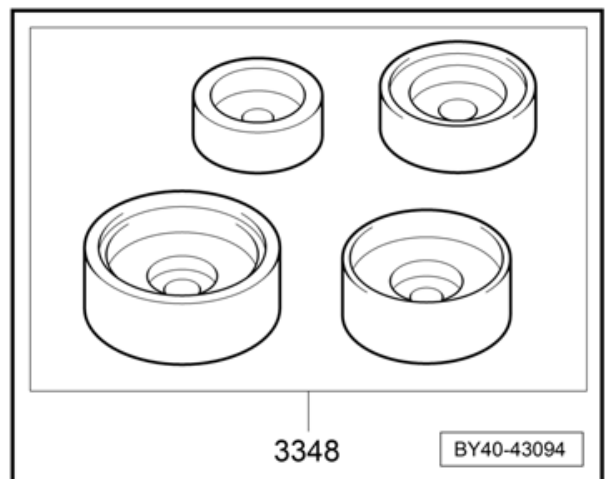
- ◆ Thrust plate — VW 402



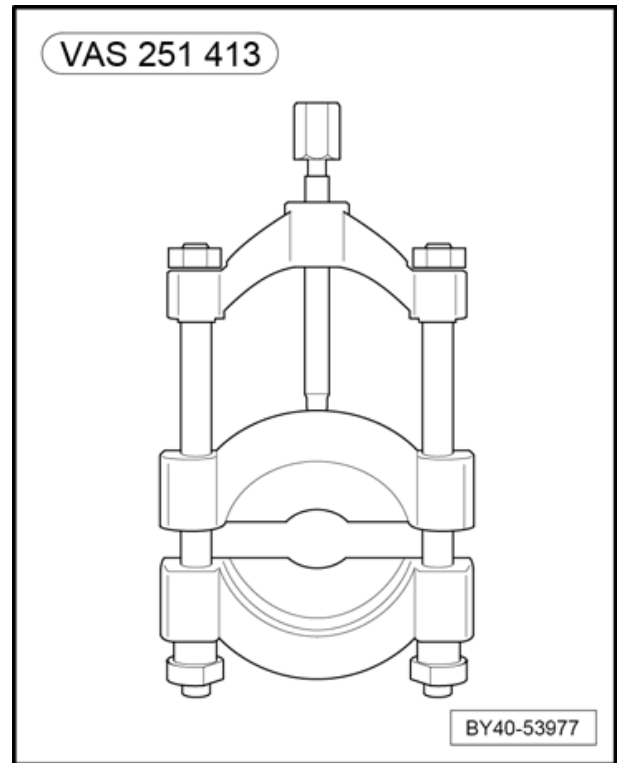
- ◆ Press tool — VW 412



- ◆ Press tool set 3348

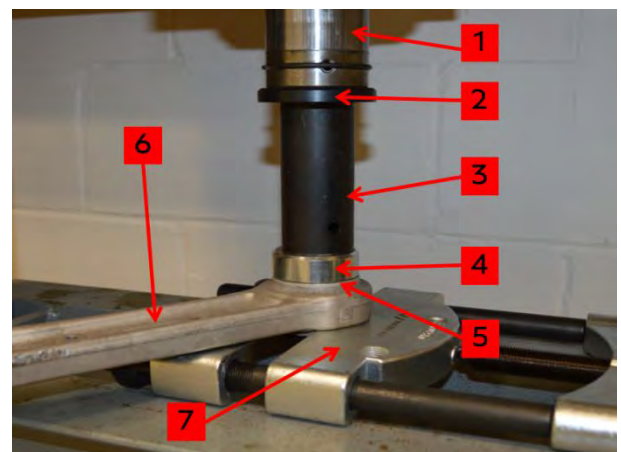


- ◆ Separating device VAS 251413
- ◆ Workshop press VAS 6654
- ◆ Assembly lubricant -G 294 421 A1-



Removal

- Remove front lower suspension lever. Refer to "Lower suspension lever — Front — To remove and fit". → [Rep.-Gr.40](#)
- Set up special tools as shown in illustration
 - ◆ -1- Workshop press -VAS 6654
 - ◆ -2- Press tool guide
 - ◆ -3- Suitable spacer
 - ◆ -4- Press tool 3348/3
 - ◆ -5- Bonded rubber bush
 - ◆ -6- Suspension arm
 - ◆ -7- Separating device VAS 251413

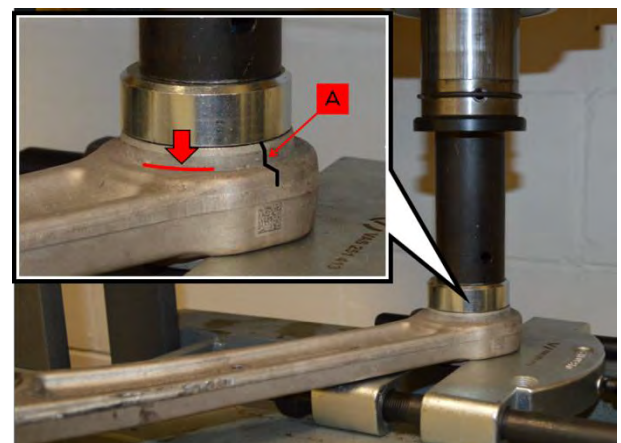


- Mark installation depth -**arrow**- and rotation orientation -**A**- on bonded rubber bush using a waterproof felt-tip pen or similar.

Note

Hold the suspension arm when pressing the bonded rubber bush in or out.

- Press bonded rubber bush out of guide link.



Installation

Installation is the reverse of removal procedure, noting the following.

- Transfer marking for installation depth from old bonded rubber bush to new bush.
- Lightly lubricate new bush with assembly lubricant.

Installation position of bonded rubber bush

- Align mark on bonded rubber bush with mark on suspension arm
- Fit bonded rubber bush into guide link using previous setup of special tools.
- Press bonded rubber bush into guide link, taking care to keep it straight.
- Use marking made before removal as a depth guide.
- Check installation depth **-1-** of bonded rubber bush in guide link **-2-**.

Note

Specification: Dimension **-a-** is equal to dimension **-b-**

- Press bonded rubber bush in further if dimensions are not equal

