

**Lubricant**

Use slide fluid Naphtolen for installation of radial torsion bearing	000 989 04 60
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**Special Tools**

Remover and installer for bearing of lower control arm	116 589 16 43 00
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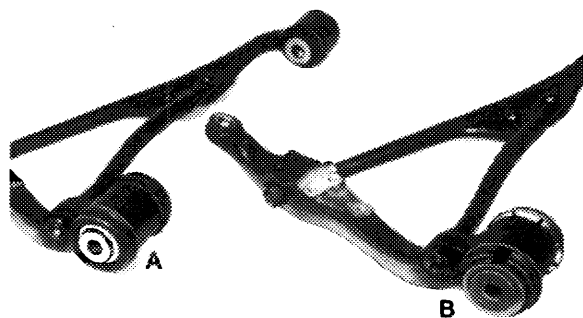
Two-arm puller	000 589 88 33 00
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**Note**

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Up to August 1973, the front bearing of the lower control arm consisted of two uniform rubber mounts.

As from September 1973, a three-part standard bearing will be installed comprising a radial torsion bearing inside and two uniform axial slide bearings outside.



- A Lower control arm with three-part front bearing (radial torsion bearing with lateral axial slide bearings)
- B Lower control arm with two-part front bearing (rubber mount)

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For repairs, only the three-part bearing is available as a spare part.

The remover and installer required for repairing the lower control arm consists of 12 parts.

For this individual steps, the illustrations and legends refer only to the parts required. The number shown in brackets for the individual parts is punched into the respective part.

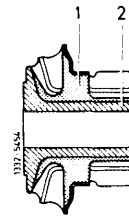
**Checkup**

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**Bearing 1st Version  
(2 Rubber Mounts)**

1 Check rubber mount for firm seat in control arm.  
Check inner bushing for tight connection with rubber jacket.

- 1 Rubber jacket
- 2 Inner bushing

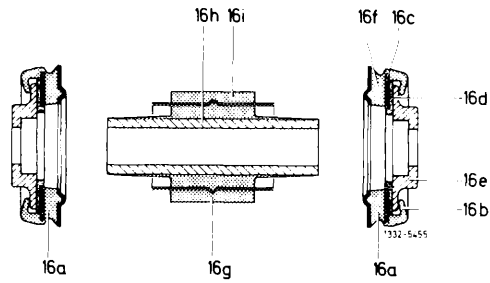


**Bearing 2nd Version  
(2 Axial Slide Bearings, 1 Radial Torsion Bearing)**

2 Check sealing lips (16b) for damage. Rubber jacket (16f) of axial slide bearing must be rigidly connected to supporting washers (16c) of slide surfaces (16d).

Check thrust washers (16e) of axial slide bearings for tight seat with inner bushing (16h) of radial torsion bearing

- 16a Axial slide bearing
- 16b Sealing lip
- 16c Supporting washer
- 16d Slide surface
- 16e Thrust washer
- 16f Rubber jacket
- 16g Radial torsion bearing
- 16h Inner bushing
- 16i Rubber jacket

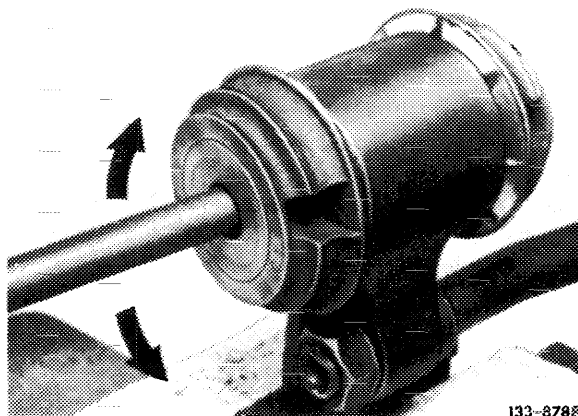
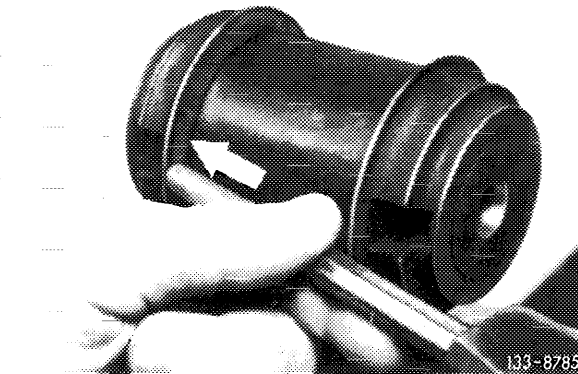


**Removal**

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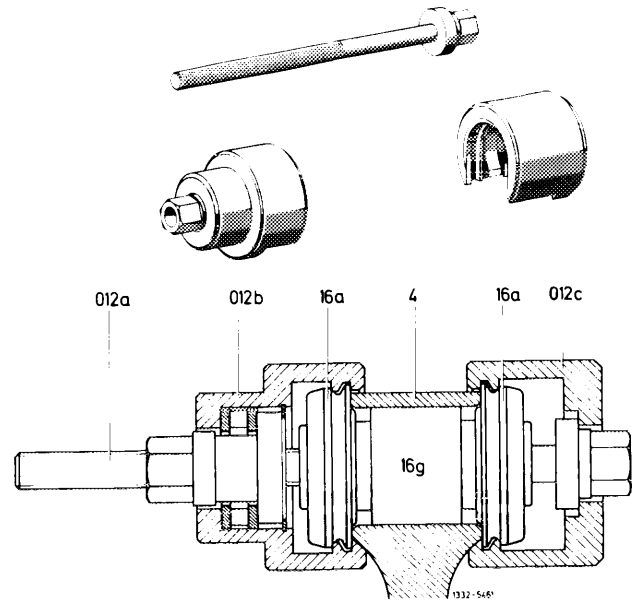
**Bearing 1st Version  
(2 Rubber Mounts)**

3 Knock-out outer bushing of rubber mount with suitable mandrel and then remove rubber mount by moving mount back and forth.



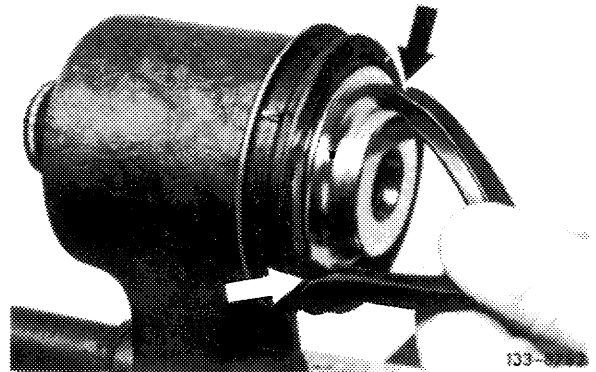
**Bearing 2nd Version  
(2 Axial Slide Bearings, 1 Radial Torsion Bearing)**

4 Pull-off one axial slide bearing.

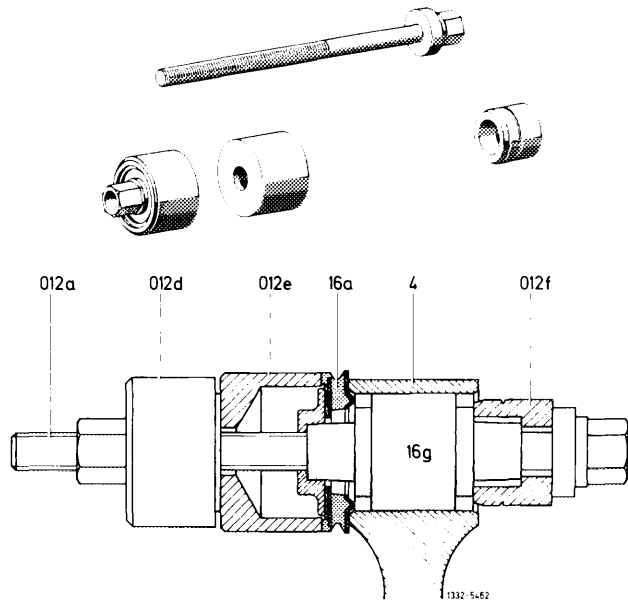


- 4 Lower control arm
- 16a Axial slide bearing
- 16g Radial torsion bearing
- 012a Tensioning screw
- 012b Pulling sleeve with thrust bearing (12)
- 012c Pulling sleeve (17)

5 Cut-off sealing lip of 2nd axial slide bearing.

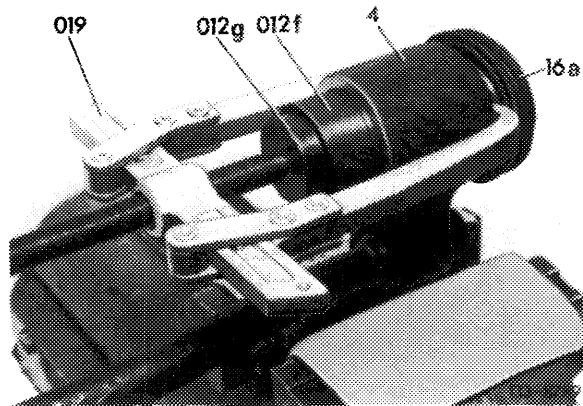


6 Tension second axial slide bearing with inner rubber mount to the extent that upon removal of device a two-arm puller can be positioned against control arm.



- 4 Lower control arm
- 16a Axial slide bearing
- 16g Radial torsion bearing
- 012a Tensioning screw
- 012d Thrust bearing (02)
- 012e Counterhold (18)
- 012f Thrust piece (08)

7 Force radial torsion bearing and axial slide bearing out of control arm by means of a suitable two-arm puller.



- 4 Lower control arm
- 16a Axial slide bearing
- 012f Thrust piece (08)
- 012g Thrust cap (19)
- 019 Two-arm puller

## Installation

8 Thoroughly clean mounting bore for front bearing in control arm, rub with emery cloth, if required.

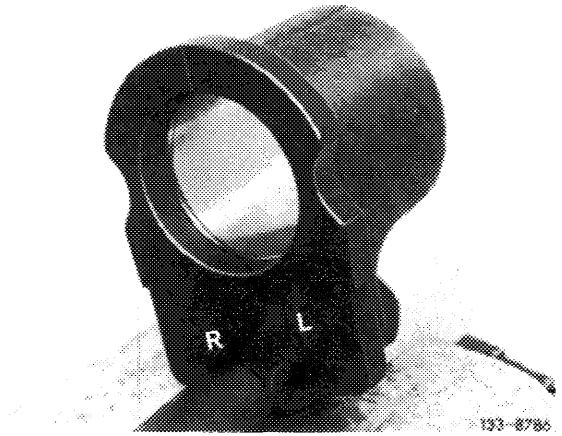
9 Coat radial torsion bearing on circumference and mounting bore for front bearing in control arm with slide fluid.

### Attention!

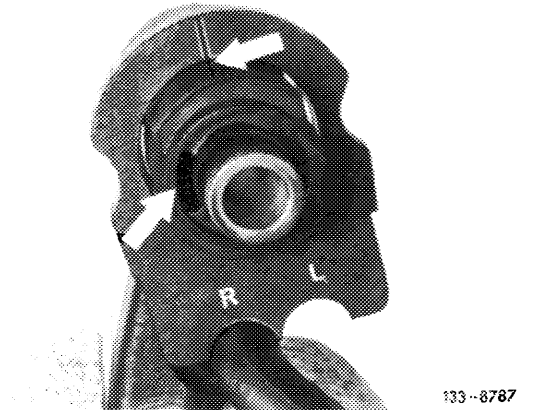
**Do not use oil or grease.**

10 Hold guide plate against lower control arm. On lefthand control arm, mount guide plate with recess "L", on righthand control arm guide plate with recess "R", on strut of control arm.

Guide plate on control arm

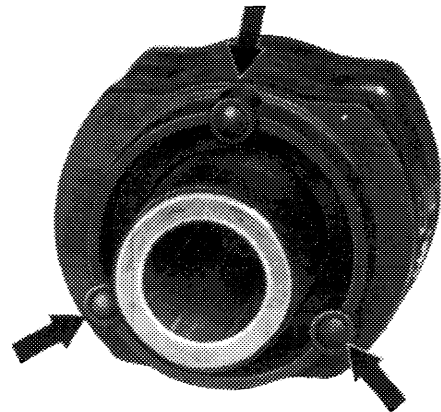


11 Position radial torsion bearing in guide plate in such a manner that seam of rubber jacket faces mark of guide plate and kidney-shaped recess in inner rubber jacket, with control arm installed, is underneath.



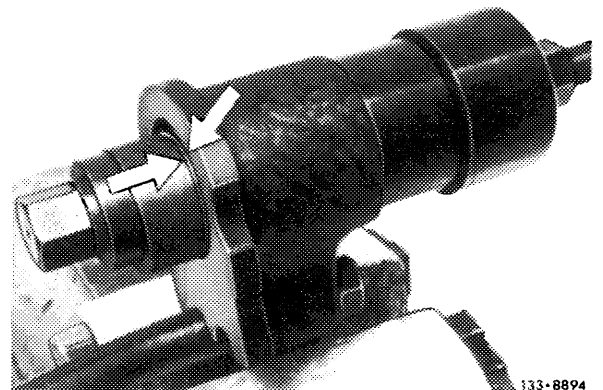
**Attention!**

Insert radial torsion bearings which are provided with three lugs at one side of outer steel bushing into guide plate in such a manner that the pressure comes from the side opposite the lugs. This is necessary, since otherwise a wrong center position of radial torsion bearing in control arm would result.



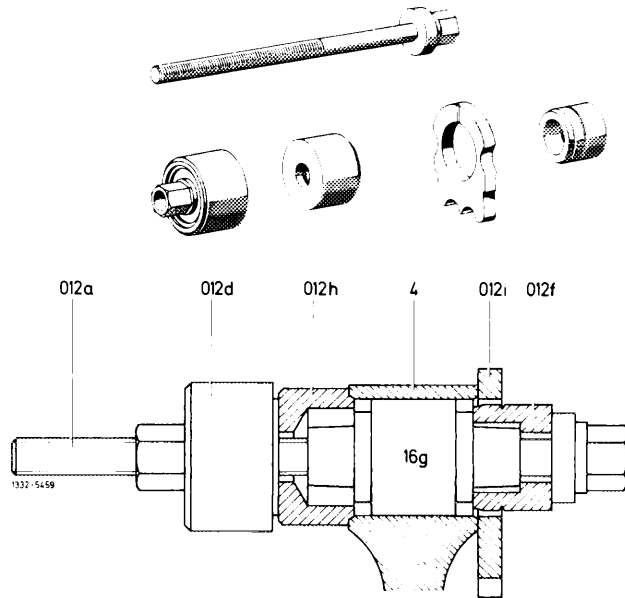
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12 Pull radial torsion bearing into control arm until mark of thrust piece (012f) is on the same level with the outer edge of the guide plate (012i) **when the radial torsion bearing is relaxed.**



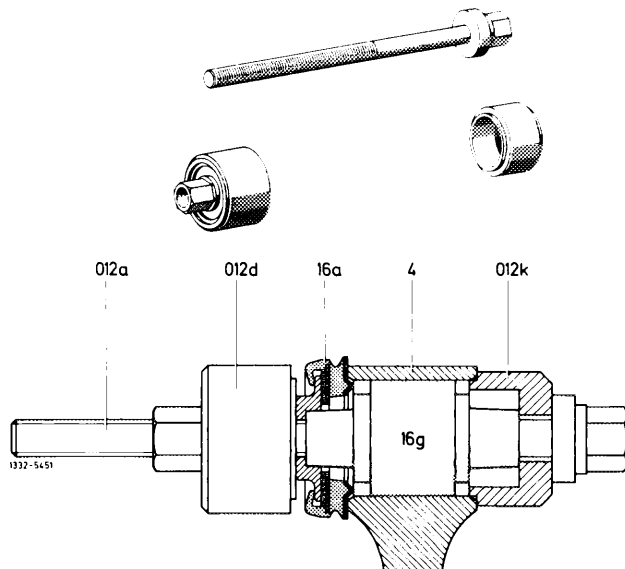
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- 4 Lower control arm
- 16g Radial torsion bearing
- 012a Tensioning screw
- 012d Thrust bearing (02)
- 012f Thrust piece (08)
- 012h Counterhold (09)
- 012i Guide plate (07)

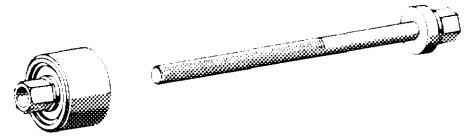


13 Pull one axial slide bearing on inner bushing of radial torsion bearing and simultaneously into control arm.

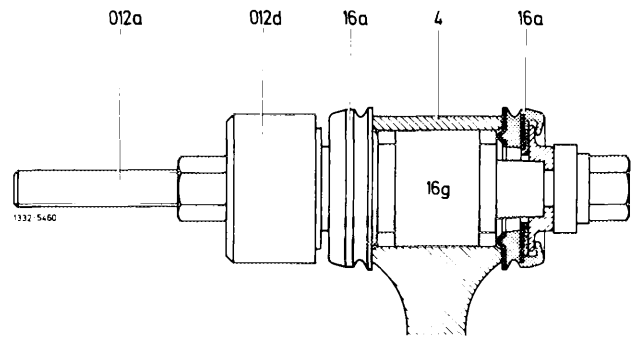
- 4 Lower control arm
- 16a Axial slide bearing
- 16g Radial torsion bearing
- 012a Tensioning screw
- 012d Thrust bearing (02)
- 012k Counterhold (10)



14 Mount second axial slide bearing.



- 4 Lower control arm
- 16a Axial slide bearing
- 16g Radial torsion bearing
- 012a Tensioning screw
- 012d Thrust bearing (02)



15 Check seat of mounted axial slide bearings. Both bearings should rest against control arm.

- 4 Lower control arm
- 16a Axial slide bearing
- 16g Radial torsion bearing

