

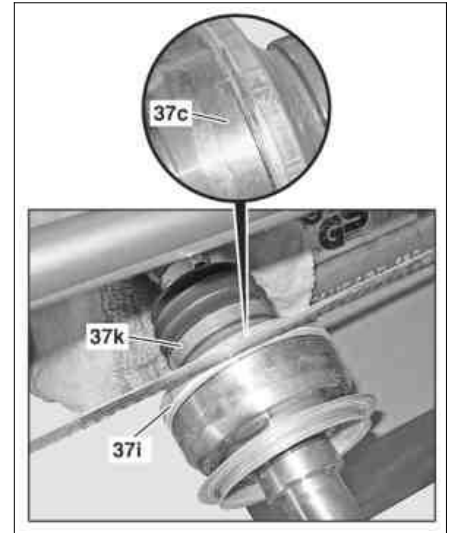
AR35.30-P-0661-01P	Boot cap on joint ring removal and installation		
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📄 Rear axle shaft, plugged in shafts

Number	Designation	Model		
		166, 170, 171, 172, 203, 204, 207, 208, 209, 211, 212, 215, 216, 218, 219, 220, 221, 230, 246		
BF35.30-P-1001-01G	Filling capacity for joint housing	Ø95	g	100
		Ø102	g	120
		Ø106	g	130
		Ø112	g	140
		Ø116	g	150

Remove boot cap

- Using protective jaw pads, clamp rear halfshaft into vice.
- Using a hand coping saw, saw cup seal (37i) radially in the groove on the press-in edge so that a notch arises.
 - ⚠ Saw carefully. The joint ring (37c) will otherwise be damaged.



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- Use a screwdriver to lift the notched area.

37c Joint ring



P35.30-2126-01

- 4 Starting at projecting end, use suitable pliers to unscrew cup seal (37i) until cup seal (37i) can be lifted off joint ring.

i When rotating on the boot cap (37i) avoid allowing the rear halfshaft to drop out of the joint ring before the relative alignment positions of the components have been marked.

- 5 Mark installation position of rear axle shaft relative to joint ring.
 6 Remove hose clamps.
 7 Pull boot with boot cap (37i) off joint ring and slide down rear halfshaft.

i If both boots are to be replaced, the boot opposite can be slid over the rear-axle shaft.



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Install boot cap.

- 8 Replace O-ring on joint ring (37c).

i Coat O-ring with spirit to make installation of the cup seal (37i) easier.

! Do not oil or grease the O-ring. The cup seal (37i) can otherwise turn on the joint ring (37c).

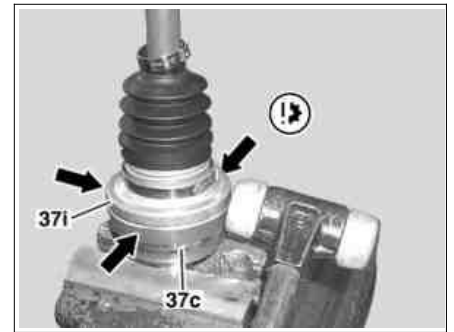
- 9 Mount cup seal (37i) with hose clamp and slide all the way onto the joint ring (37c). If necessary, drive fully home by tapping gently with a plastic mallet.

! Push on the cup seal (37i) carefully. The O-ring will otherwise be damaged.

- 10 Fix cup seal (37i) in circumferential groove of joint ring (37c) by applying four blows around circumference (each blow offset by 90°).

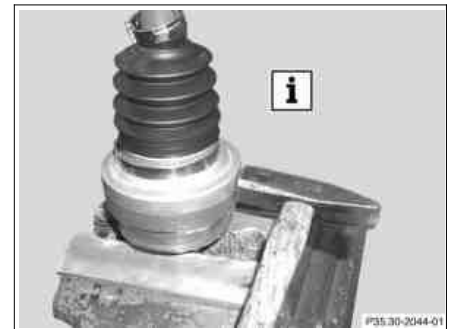
- 11 Apply even blows using a suitable hammer to drive the cap seal into the groove extending along the periphery of the joint ring.

i Check the cup seal is correctly seated.



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- 12 Through positioning a drift (Ø 4 mm) and applying uniform blows with the hammer, reposition the cup seal into the groove.

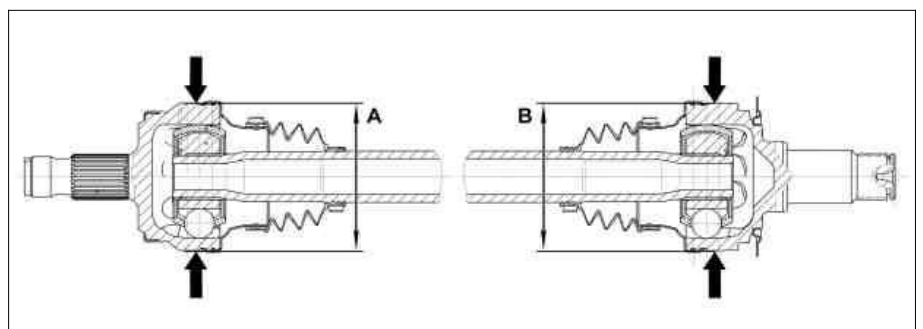


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- 13 Measure size of joint housing.

i The quantity of grease required depends on the size of the joint housing. Using a vernier caliper, measure the diameter (A) at the outer joint and the diameter (B) at the inner joint.


For measuring points, see arrows.
 For quantity of grease, see Table.



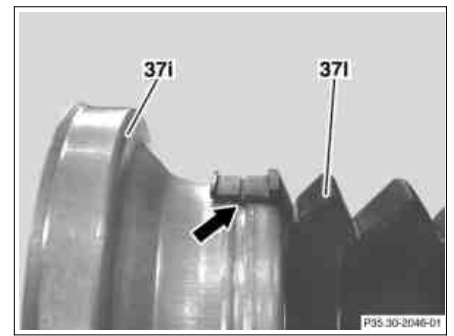
P35.30-2134-04

14 Fill joint with new grease .

15 Slide boot (37l) onto cup seal (37i).


 Ensure that the ridge (arrow) on the boot (37l) is resting between the ridges on the boot cap (37i).

After the boot is pushed on, no groove on the rear axle shaft should be visible at the small diameter of the boot (37l). This indicates that the raised bead of the boot (37l) is fixed in the first groove.



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16 Install hose clamps (37k).

 Ensure that dimension (a), measured on the inside, is not exceeded or fallen below.

Dimension:
a = 2...2.5 mm



P35.30-2049-02