Audi > C5 > 1998-2005
Suspension, Wheels, Steering
40 - Drive shafts with tripod joint AAR 3300 i, servicing

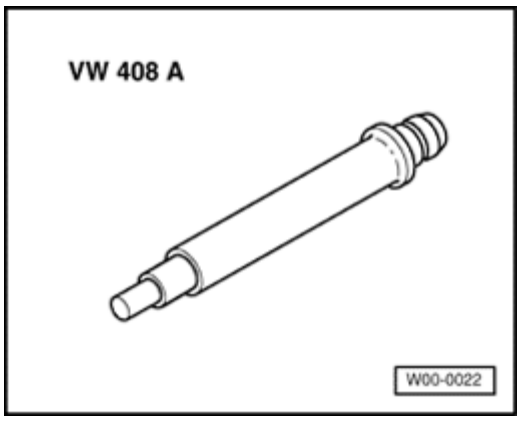
Tripod joint AAR 3300 i, disassembling and assembling

Special tools, testers and auxiliary items required

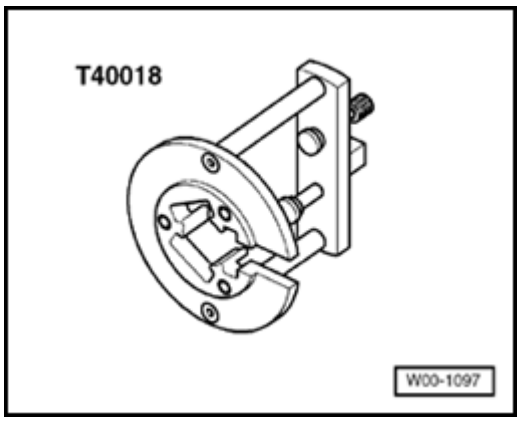
- Thrust Plate VW 401
- Thrust Plate VW 402
- Assembly Tool T10065
- Tube 37mm dia. VW 416 B
- Punch VW 411

- Thrust Pad VW 447 H

Special tools, testers and auxiliary items required



- Punch VW 408 A



- Assembly/removal tool T40018

Disassembling

– Clamp drive shaft horizontally into vise.

Note:

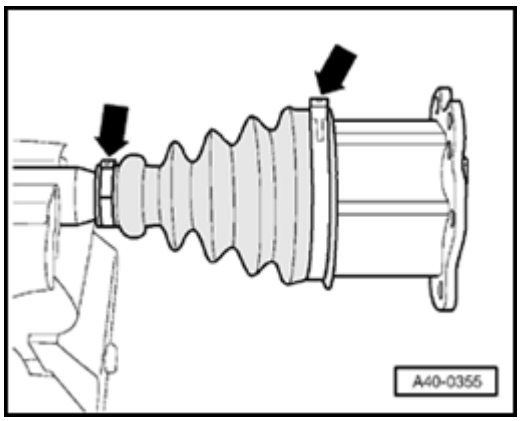
- *Use protective jaws.*
- *Make sure the drive axle is not damaged.*

– Mark position of joint piece to drive axle.

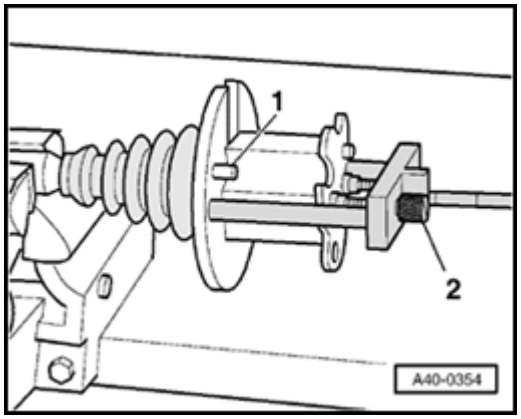
If installation positions are not marked and components are not reinstalled in previous

positions, noises may occur later during driving operation.

A water-proof felt pen is well-suited for marking.



- Remove clamps - **arrows** - .
- Slide back CV boot.
- Guide Assembly/Removal tool T40018 in behind joint piece.

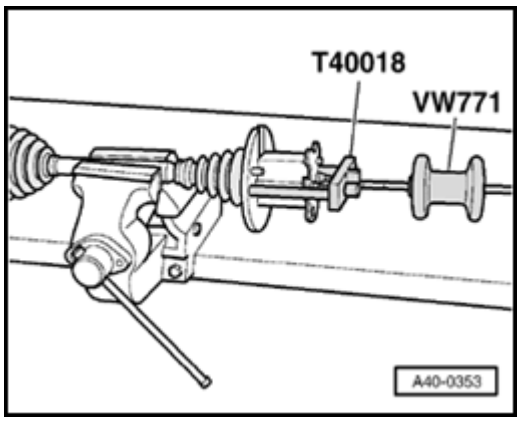


Guide pin - **1** - must make contact with exterior of joint piece.

- Bring Assembly/Removal tool T40018 into contact at joint piece by turning knurled bolt - **2** - .

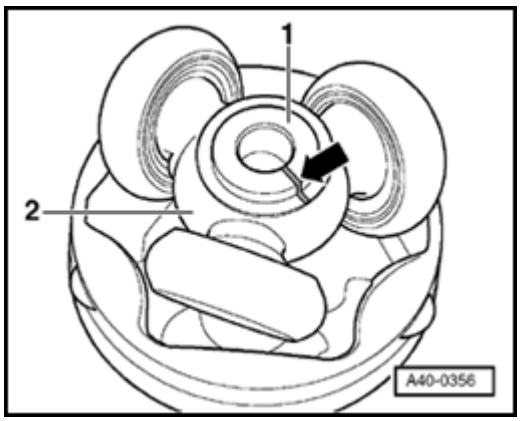
Note:

- *Joint piece must be secured in Assembly/Removal tool T40018 without play.*
- *Only hand tighten bolts - **2** - .*



- Screw Slide Hammer-complete Set VW 771 into Assembly/Removal tool T40018 .
- Pull off joint piece horizontally using Slide Hammer-complete Set VW 771 .

Keep joint piece in Assembly/Removal tool T40018 .



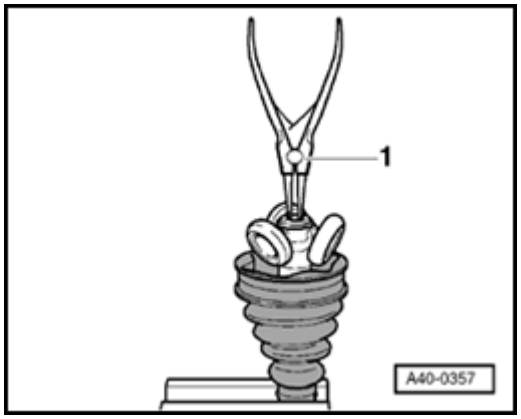
- Mark installation position of parts - **1** - and - **2** - with lines.

If the parts are not marked and the parts are not reinstalled in their previously installed positions, noises may occur later during driving operation.

A water-proof felt pen is well-suited for marking.

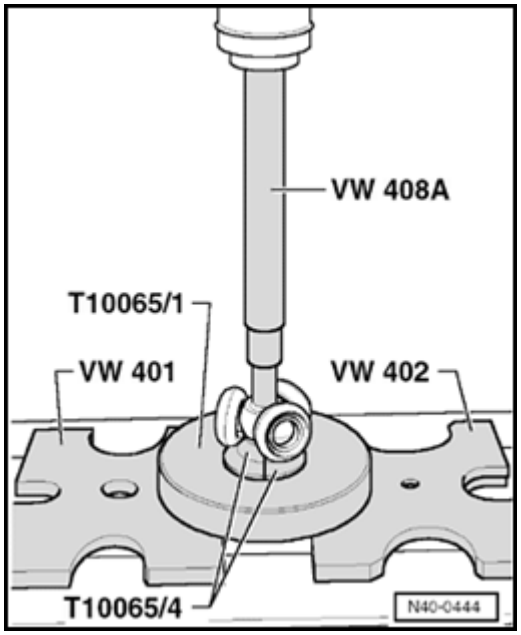
1 - Drive shaft
2 - Triple roller star

- Remove grease with a lint free rag.



- Remove securing ring.

1 - Pliers (commercially available)



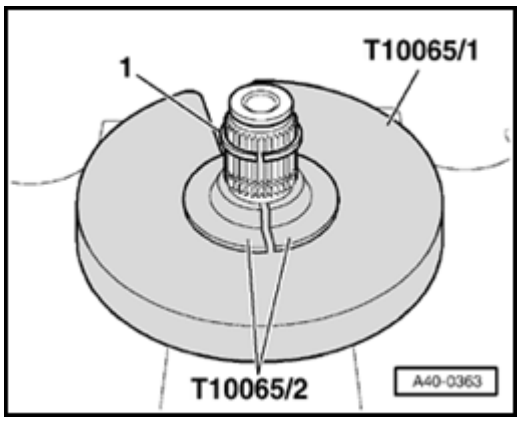
- Press triple roller star and circlip off drive shaft.

Assembly Tool T10065/4 must not make contact on roller body.

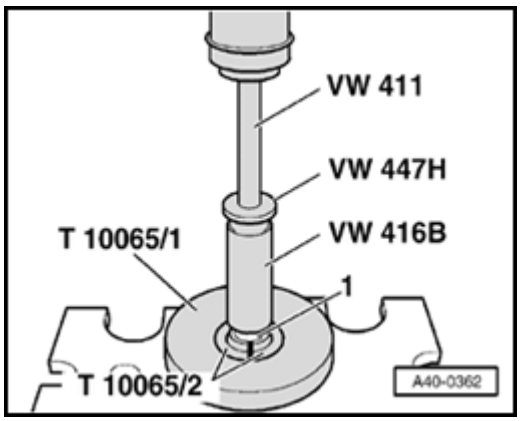
- Pull off CV boot for triple roller.
- Check rollers and track for wear.
- Clean shaft and housing.

Assembling

- Slide small clamp for CV boot onto shaft.
- Slide new CV boot onto shaft.



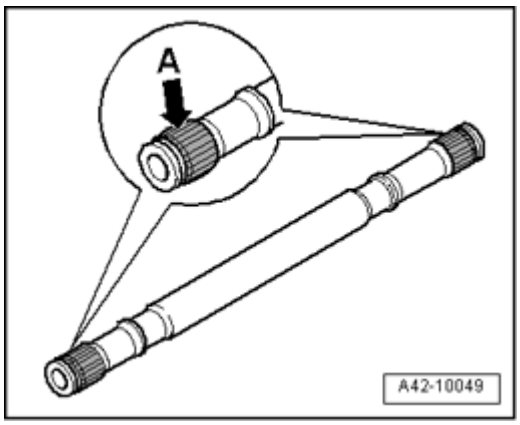
- Press on circlip - **1** - up to center of splines



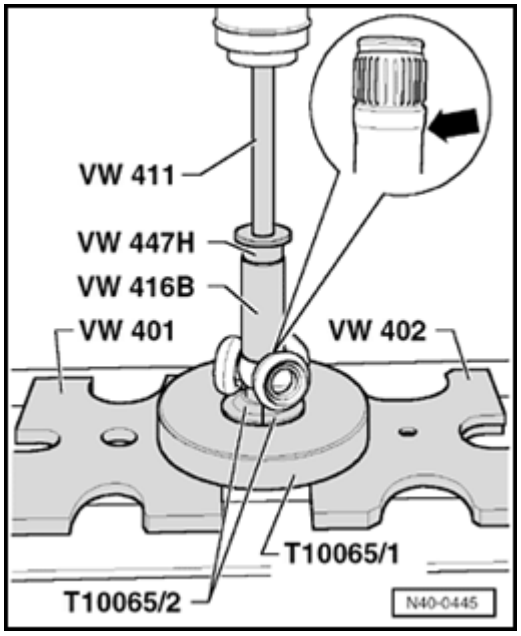
- Use special tools shown in illustration.

Assembly Tool T10065/3 for drive axles with cylindrical end must be used in place of Assembly Tool T10065/2 for drive axles with tapered end .

Press triple roller onto drive shaft



- Before installing joint or triple roller, splines - **A** - must be lightly coated with grease used in joint.



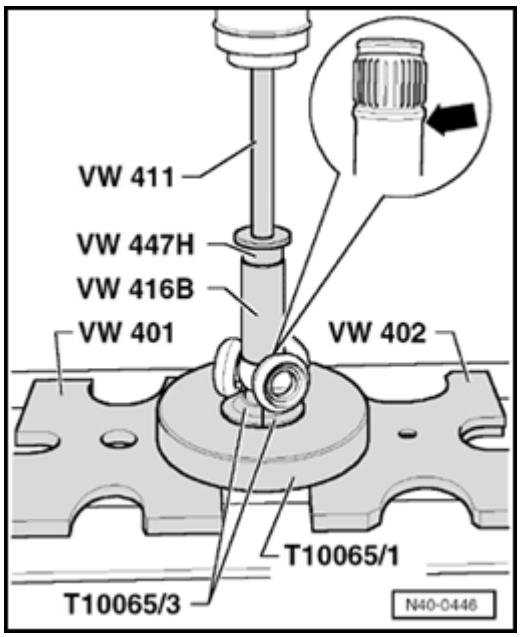
This depiction is only valid for drive axles with a conical shape at the end - arrow - !

Chamfer on star faces toward drive axle, it facilitates assembly.

- Use special tools shown in illustration.

Special tool Assembly Tool T10065/2 must not make contact on roller body.

- Place triple roller on shaft according to marking and drive on until impact.
- Circlip must engage audibly, triple roller must contact circlip gap-free.



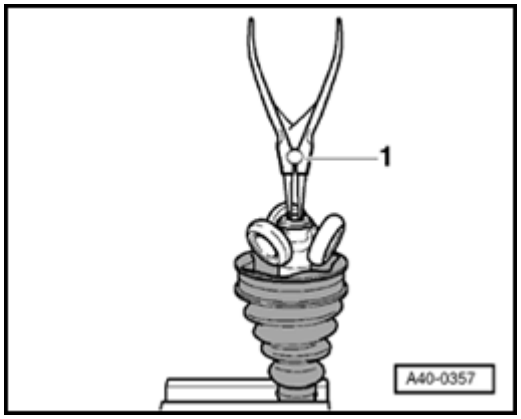
This depiction is only valid for drive shafts with cylindrical shape at end - arrow - !

Chamfer on star faces toward drive axle, it facilitates assembly.

- Use special tools shown in illustration.

Special tool Assembly Tool T10065/3 must not make contact on roller body.

- Place triple roller on shaft according to marking and drive on until impact.
- Circlip must engage audibly, triple roller must contact circlip gap-free.

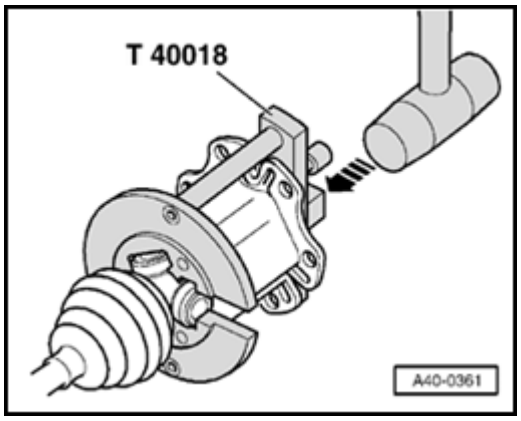


- Install securing ring.

1 - Pliers (commercially available)

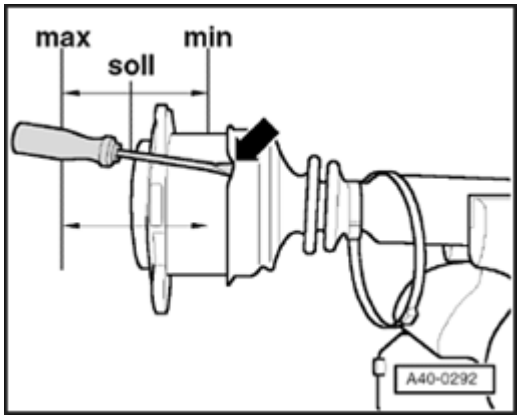
- Press 70 grams of Grease G 000 605 from repair set into rear side of tripod joint.
- Lightly grease rolling body.

Make sure roller bodies do not cant.



- Press joint piece over triple roller using a plastic mallet.
- Press remaining amount of grease into CV boot.

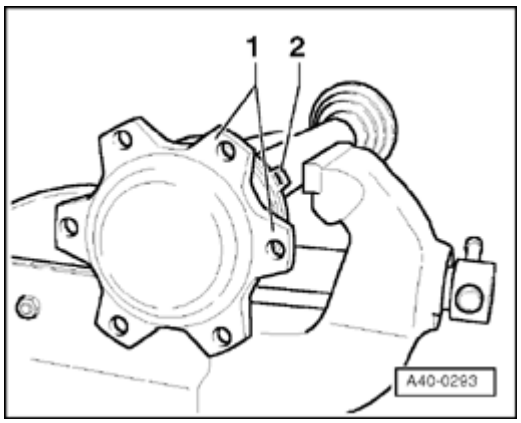
- Make sure boot is properly seated on CV joint.
- CV boot must make contact in the groove of the joint piece



- Position joint piece in center position. See "min" - "max" position.

Note:

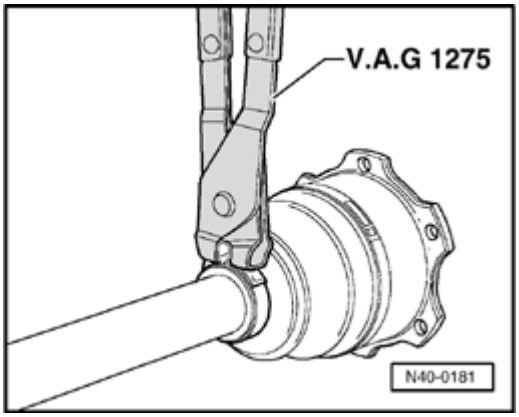
- *It is necessary to vent CV boot - **arrow** - , e.g. using a screwdriver, while positioning joint piece in center position.*



- Install clamp - **2** - .

Note:

- *Position the crimping tab - **2** - of the clamp between mounting flanges - **1** - of joint piece. This will facilitate threading the socket head bolts during installation of the drive axle*



- Tension small clamp using Hose Clamp Pliers VAG 1275 .

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