

Removing and installing wheel bearing housing

Special tools and workshop equipment required

- t Ball joint puller -T40010-
- t Torque wrench -V.A.G 1331-
- t Torque wrench -V.A.G 1332-

Removing

- Remove wheel trim; on light-alloy wheels, pull off trim cap (use puller in vehicle tool kit).
- Remove bolt securing drive shaft (loosen only when vehicle is standing on wheels - danger of accident-) → **Anchor**.
- Detach ABS speed sensor wiring from bracket on wheel bearing housing.

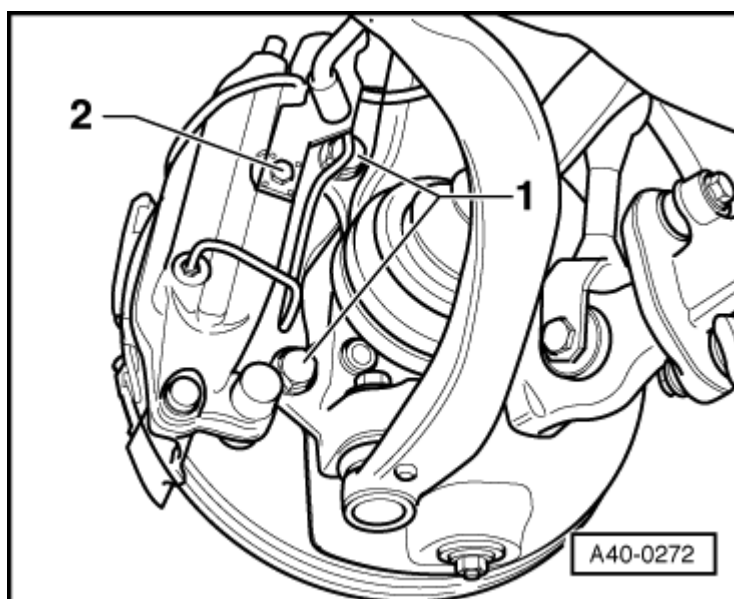
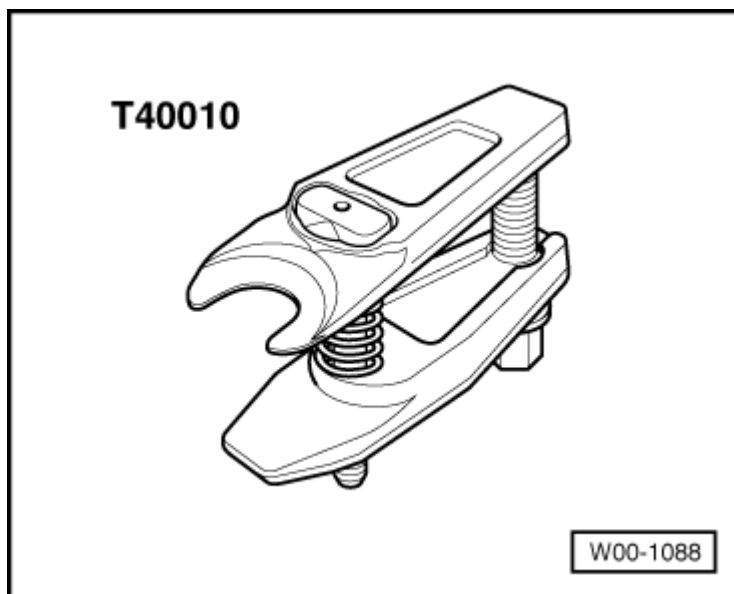
Vehicles with HP-2 brake caliper

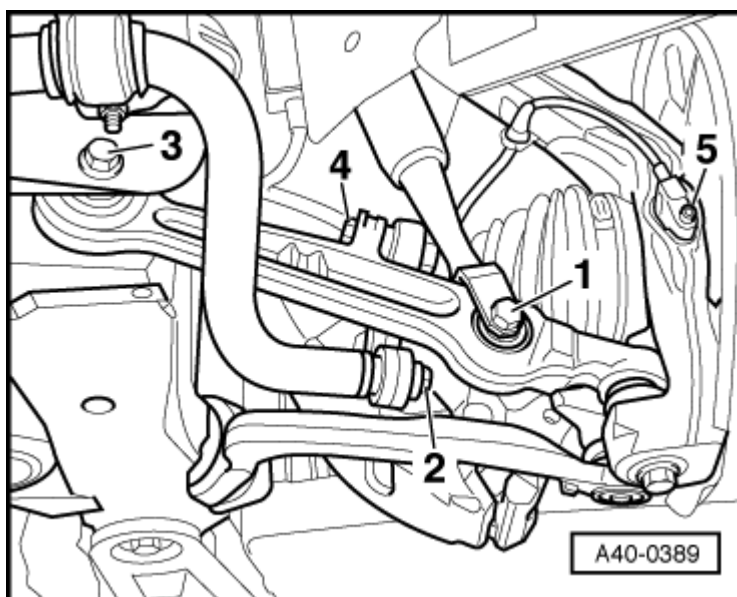
- Unscrew hexagon bolt -2- and detach brake pipe bracket.
- Remove bolts -1- for brake caliper and take off brake caliper.
- Re-attach brake pipe bracket. Screw in and tighten hexagon bolt -2-.
- Secure the brake caliper to the body so that the weight of the brake caliper does not bend or damage the brake line.

All vehicles (continued):

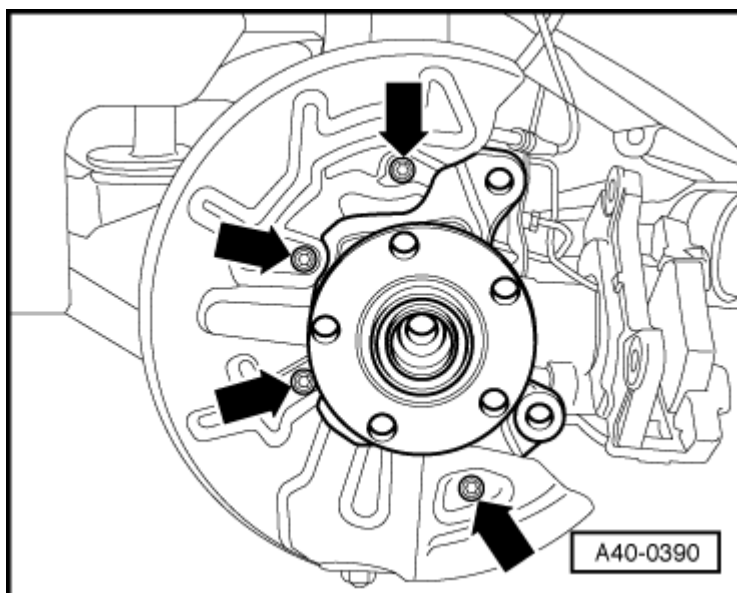
- Detach brake caliper and secure to body so that weight of brake caliper does not stretch or damage brake hose or brake pipe.

- Unscrew bolt -5- for ABS speed sensor.
- Unclip ABS wire from wheel bearing housing.
- Remove brake disc.





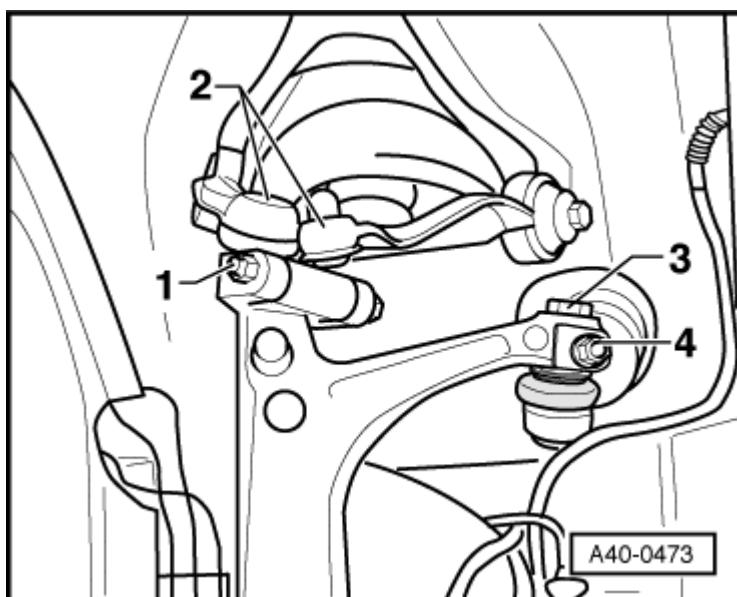
- Remove bolts -arrows- and take off splash plate.



- Unscrew bolt with washer -3- and bolt -4-.

i Note

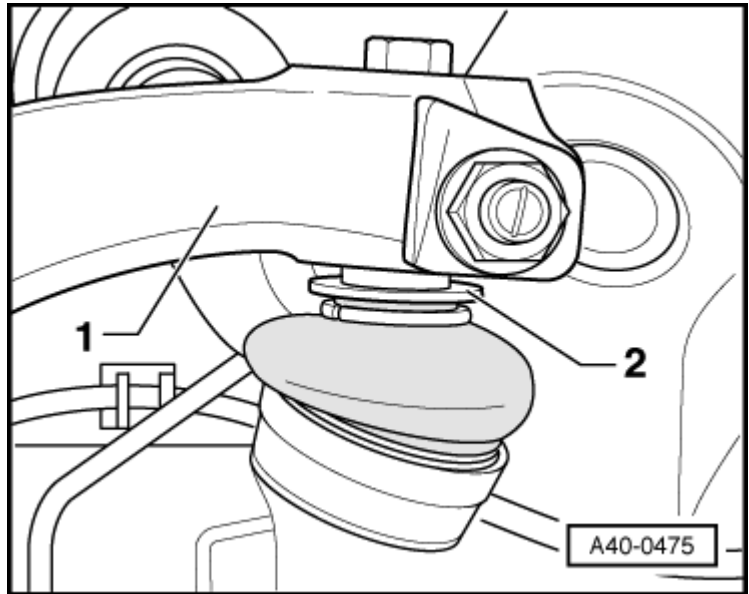
- t Check and adjust wheel alignment after completing repair → *Chapter*.



- t Do not apply a chisel or similar tool between steering arm -1- and seal -2- on

track rod ball joint when pressing out track rod, otherwise the seal can be damaged.

- t *When pressing track rod out of steering arm, apply pressure only to end of track rod ball joint, or knock out end of joint using a wooden or rubber mallet.*
- Pull out or press out track rod downwards.
- Unscrew nut on joint pin of guide link until it is flush with end of thread. Counterhold joint pin with 4 mm Allen key if necessary.

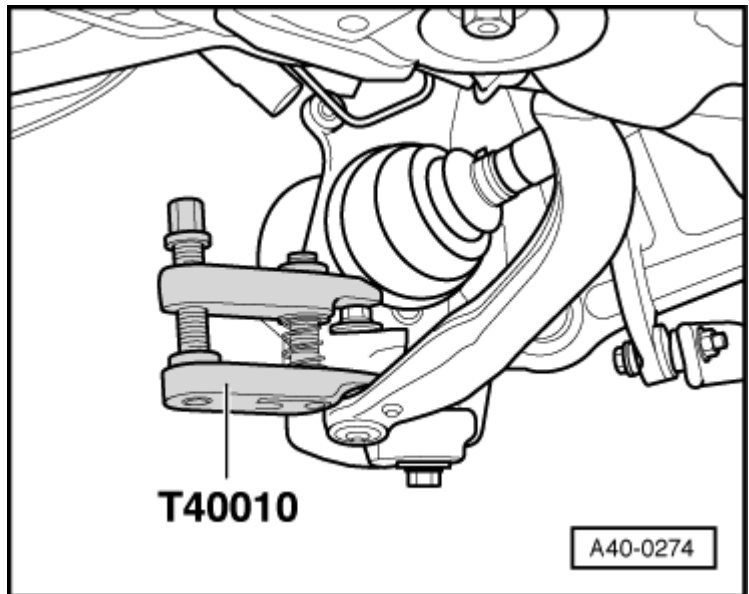


- Press joint pin of guide link out of tapered seat using ball joint puller -T40010-.

Note

- t *Take care not to damage drive shaft boot.*
- t *Make sure the two lever arms of the puller are parallel when maximum force is exerted.*

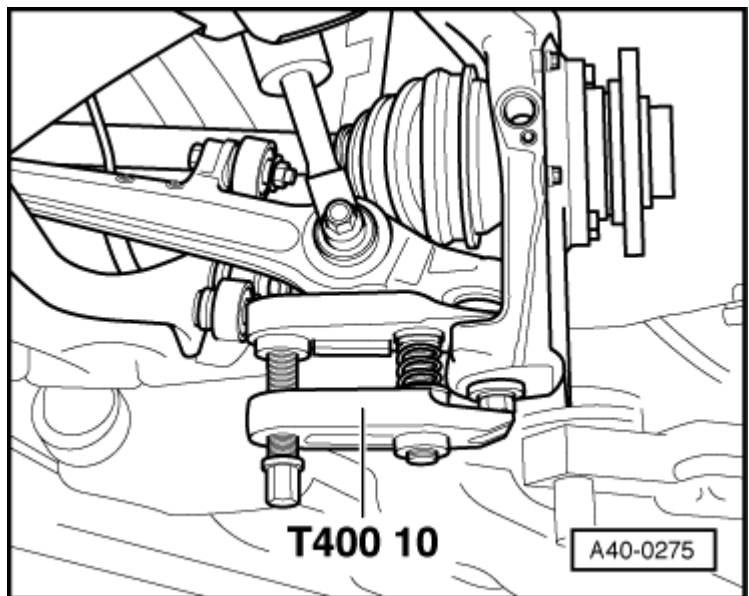
- On vehicles with headlight range control, detach coupling rod for vehicle level sender from track control link → **Chapter**.
- Unscrew nut on joint pin of track control link until it is flush with end of thread. Counterhold joint pin with 4 mm Allen key if necessary.



- Press joint pin of track control arm out of tapered seat using ball joint puller - T40010-.

Note

Make sure the two lever arms of the puller are parallel when maximum force is exerted.



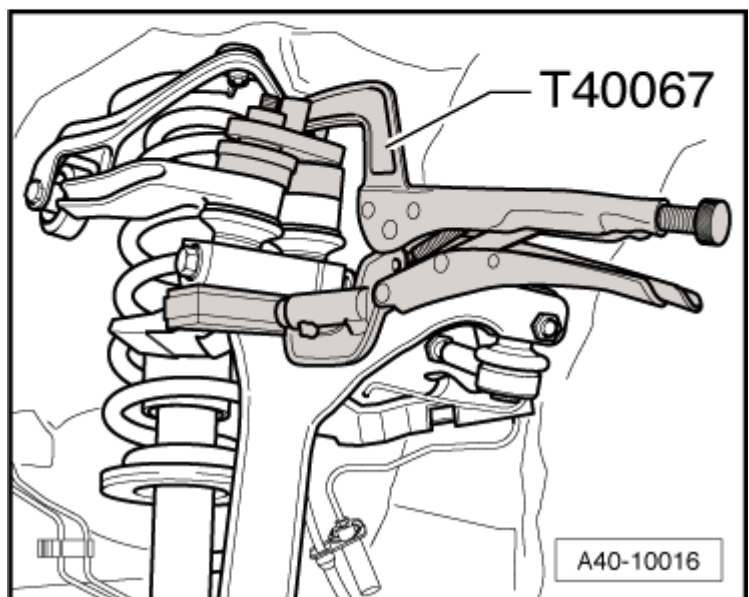
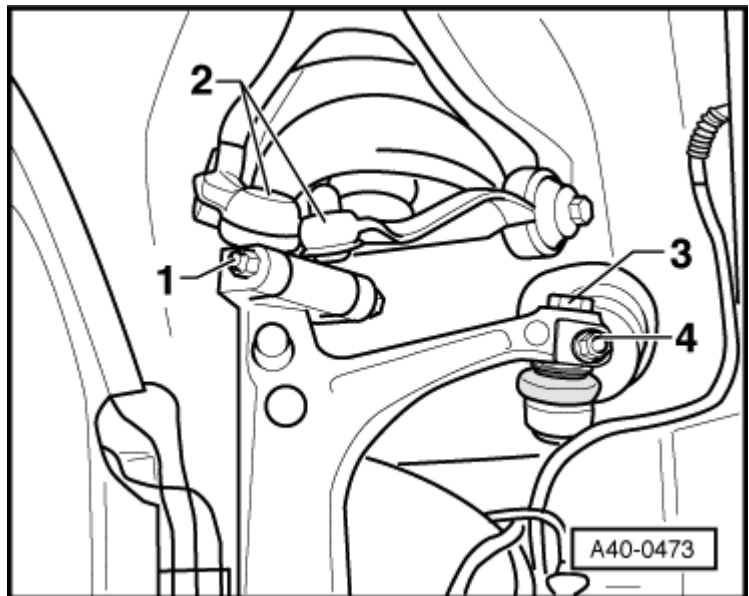
- Remove nut -1-, take out hexagon bolt and pull out both upper links -2- upwards.

Do not attempt to enlarge slots in wheel bearing housing using a chisel or similar.

- Swing wheel bearing housing in direction of arrow away to the side, and at the same time pull end of drive shaft out of wheel hub.
- Tie up drive shaft to body with wire or similar.
- Remove nut from joint pin of track control link.
- Take off wheel bearing housing.

Installing

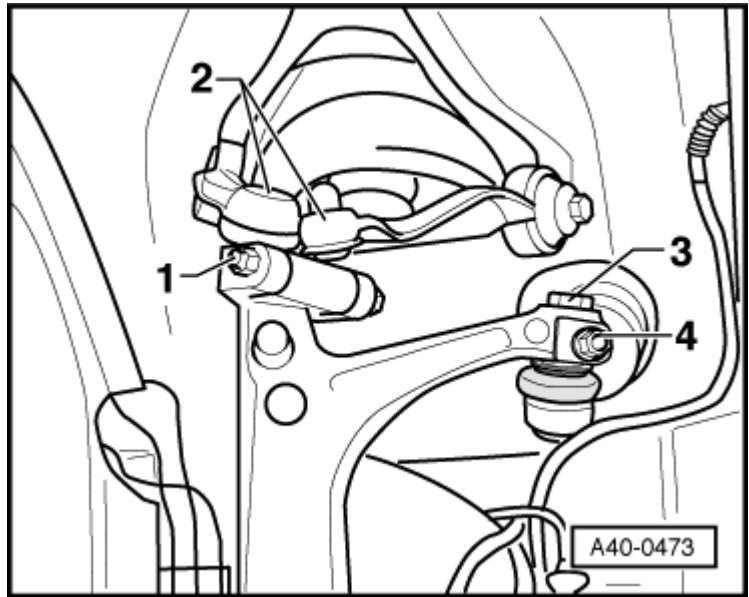
- Fit wheel bearing housing.
- Slide outer joint of drive shaft into wheel hub and tighten new hexagon bolt hand-tight.
- Insert joint pins of track control link and guide link into wheel bearing housing.
- Fit and tighten new self-locking nuts → **Item**; counterhold joint pin if necessary with 4 mm Allen key.
- Fit joint pins of both upper links in wheel bearing housing and press down as far as possible by clamping with special tool - T40067-



- Install and tighten new bolt -1- and self-

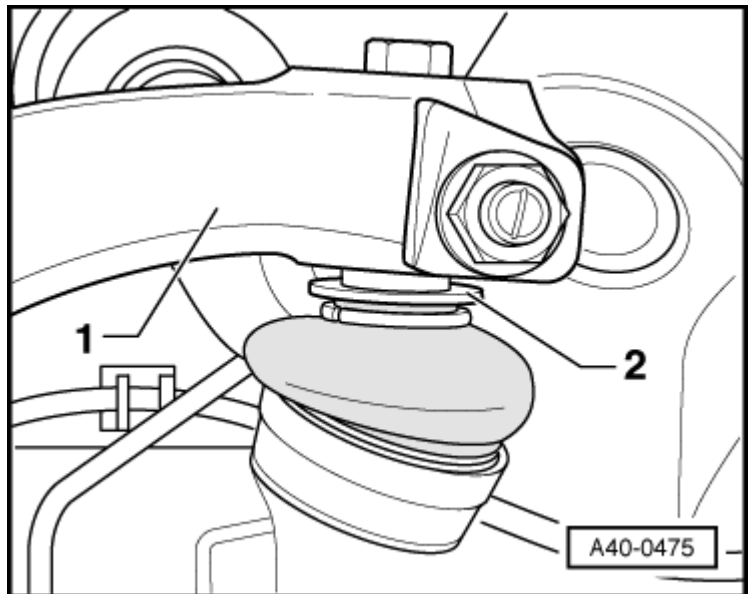
locking nut → **Item**.

Note

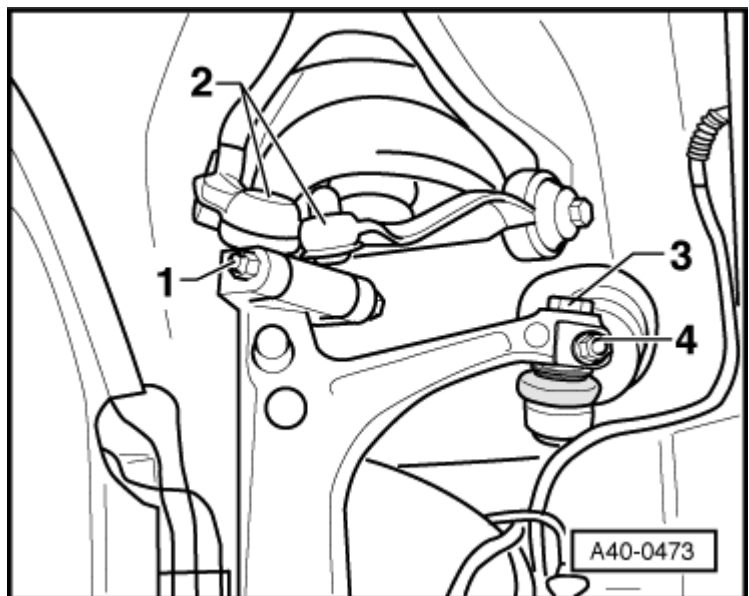


The track rod/ball joint must be inserted into the steering arm -1- by hand. Make sure that no force is applied to seal -2-.

- Insert track rod.



- Fit and tighten new self-locking nut -4- → **Item**.
- Tighten hexagon bolt -3- → **Item**.
- Install ABS speed sensor → **Brake system; Rep. Gr. 45**.
- On vehicles with headlight range control, fit coupling rod for vehicle level sender on track control link → **Chapter**.



- Fit splash plate and tighten bolts → **Item**.

- Install brake disc and brake caliper
→ Brake system; Rep. Gr. 46
- Fit and secure wheel → Rep. Gr.44.
- Tighten hexagon bolt for drive shaft (only when vehicle is standing on its wheels - accident risk) → Anchor.
- Check and adjust wheel alignment
→ Chapter.

Front wheel alignment must always be checked and adjusted if necessary using VW/Audi approved equipment.

