

2002 Porsche 911 Turbo AWD (996) F6-3.6L Turbo

Vehicle Level → Steering and Suspension → Suspension → Suspension Strut → Service and Repair → Front Suspension → Removal/Installation ←

Removal/Installation

| Item | Designation of the special tool | Explanation |
|------|--|---|
| A | Torx screwdriver 9546 | To counter the ball joints (track rod and joint mount) during assembly and disassembly. |
| B | Ball joint extractor (track rod extractor) | Commercially available, |
| C | Press-out tool (ball joint extractor) 9560 | To press out the ball joint on the wheel carrier. |

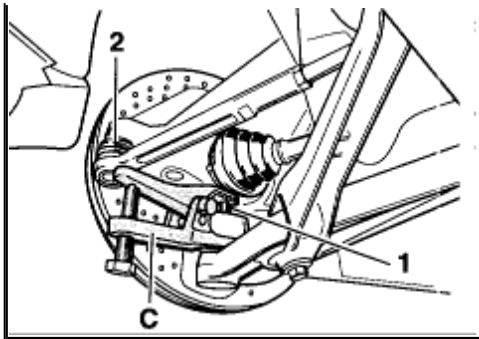
Zoom

Sized for Print

Tools

Removal

1. Open front lid and remove the respective cover (right or left).
2. Undo nut from drive shaft, raise vehicle and unbolt wheel.
3. Disengage air guide on [control arm](#).
4. Loosen stabilizer mount at stabilizer (counter with open-ended wrench).
5. Undo track rod and [control arm](#) on wheel carrier.



Zoom

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Note:

- Use press-out tool 9560 -C- to press off the [control arm](#) -1-
 - Use a commercially available track rod extractor to press off the track rod -2-
 - When loosening the fastening nut, counter with Torx screwdriver.
6. Open plug connection on wheel carrier. Pull out the plugs and disconnect the plug connections on the spring strut.
 7. Loosen holder for brake lines/brake hose at wheel carrier.
 8. Loosen brake caliper from wheel carrier and attach in wheel arch.
 9. Mark the position of the collar nuts on the spring strut mount and undo.

Note: Cover the drive shaft for protection before removing the spring strut. Drive shaft remains fitted on front-axle final drive.

10. Loosen clamped connection between spring strut and wheel carrier and pull out spring strut from wheel carrier.

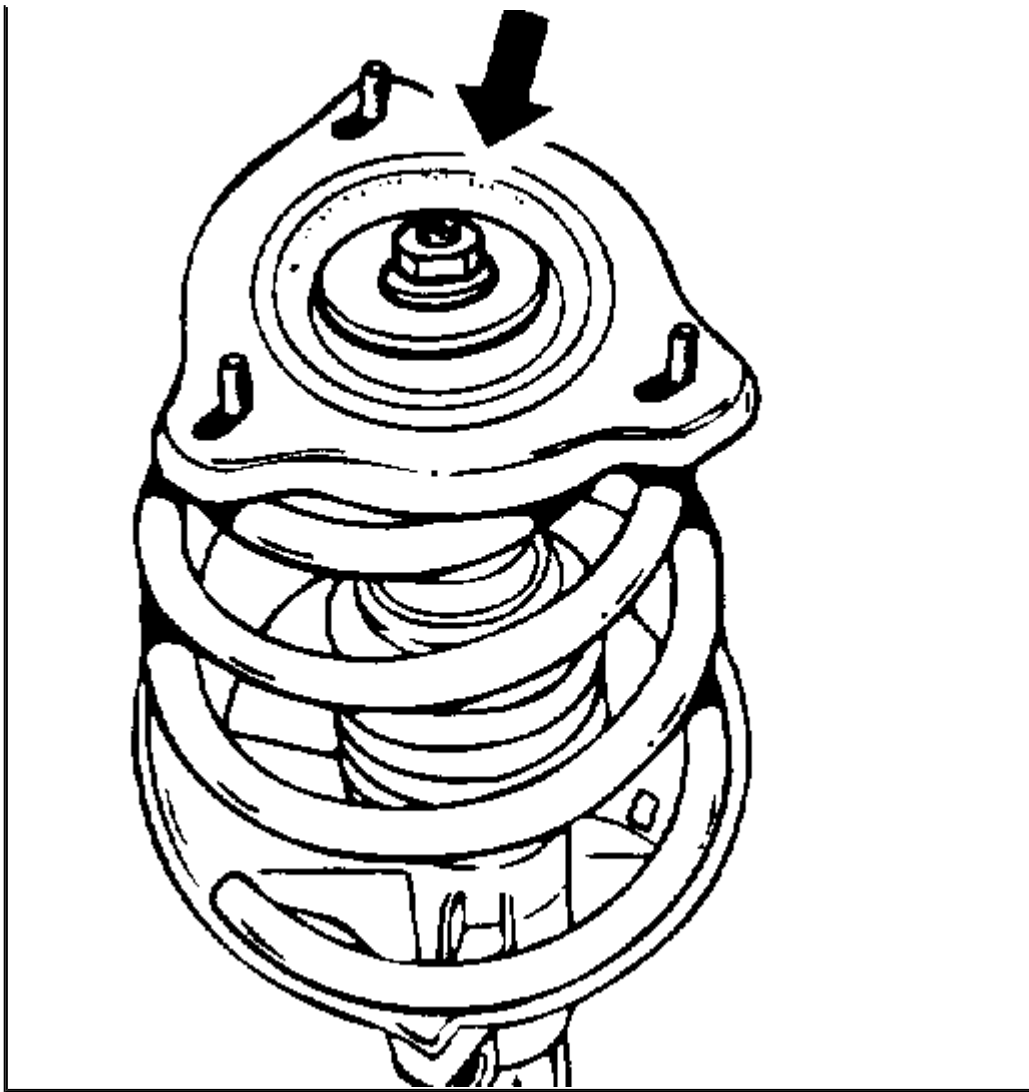
Installation

Install in reverse order to removal.

Note:

- Before installing, give the parts a visual check.
 - Do not grease screwed connections in Dacromet finish - aluminum color.
 - Use correct tightening torques.
1. Replace brake caliper fastening screws and self-locking nuts.
 2. Insert the drive shaft into the tothing of the [wheel hub](#).



[Zoom](#)[Sized for Print](#)**Note:**

- The installation side "RE" (right) or "LI" (left) -arrow- is stamped on the spring strut mount.
 - Note the installed position of the spring strut mount.
 - The arrow markings must point in the direction of travel.
3. Insert wheel carrier with spring strut into the vehicle.
 4. Check and adjust wheel alignment values at the front axle.

Note.: If assembly work was performed or parts replaced that affect the vehicle height, a complete wheel alignment is necessary.

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