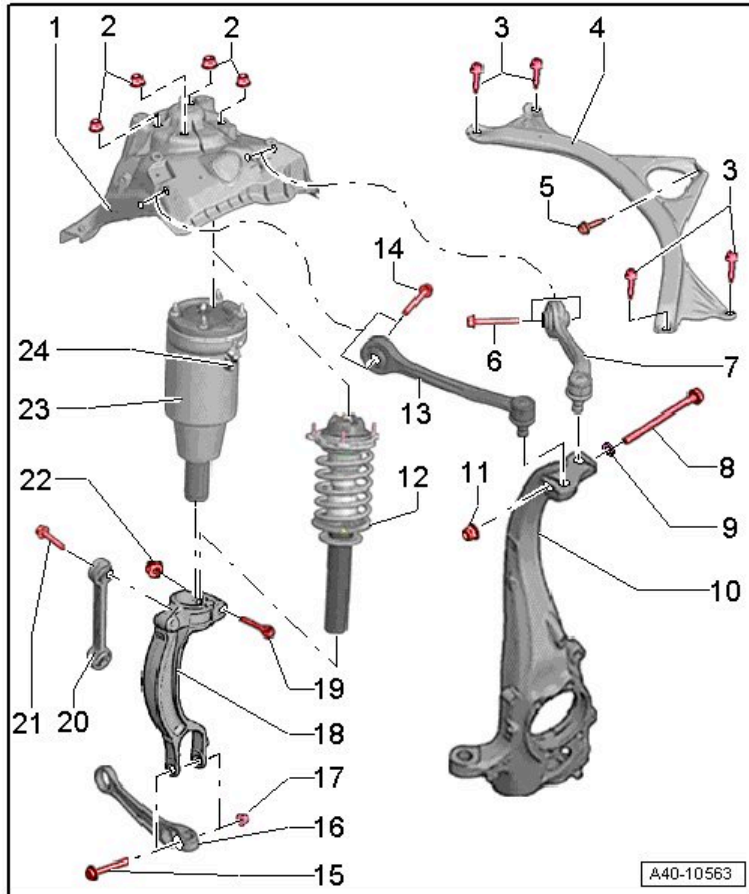


2012 Audi A6 Sedan (4G2) L4-2.0L Turbo (CAEB)

Vehicle > Steering and Suspension > Suspension > Service and Repair > Removal and Replacement

OVERVIEW - SUSPENSION STRUT AND UPPER CONTROL ARM

Overview - Suspension Strut and Upper Control Arm



1 Suspension Strut Dome

2 Nut

- ◆ 30 Nm
- ◆ Loosen and tighten diagonally
- ◆ Always replace if removed

3 Bolt

- ◆ 20 Nm

4 Tower Brace

- ◆ Removing and installing. Refer to => [Tower Brace, Removing and Installing] See: Suspension Strut / Shock Absorber > Removal and Replacement > Tower Brace, Removing and Installing.

5 Bolt

- ◆ 20 Nm

6 Bolt

- ◆ 50 Nm +90° turn
- ◆ Always replace if removed
- ◆ Must be tightened in the control position. Refer to => [Wheel Bearing in Control Position, Lifting Vehicles with Air Suspension] See: Steering and Suspension > Procedures > Wheel Bearing in Control Position, Lifting Vehicles with Air Suspension or => [Wheel Bearing in Curb Weight, Lifting Vehicles with Coil Spring] See: Steering and Suspension > Components > Wheel Bearing in Curb Weight, Lifting Vehicles with Coil Spring.

7 Upper Rear Control Arm

- ◆ Removing and installing. Refer to => [Upper Control Arm, Removing and Installing] See: Suspension > Removal and Replacement > Upper Control Arm, Removing and Installing.
- ◆ For replacing the bonded rubber bushing for upper rear control arm. Refer to => [Upper Control Arm Bearing, Replacing] See: Suspension > Removal and Replacement > Upper Control Arm Bearing, Replacing.

8 Bolt

- ◆ Always replace if removed

9 Washer

10 Wheel Bearing Housing

11 Nut

- ◆ 40 Nm
- ◆ Always replace if removed

12 Coil Spring Shock Absorber

- ◆ Removing and installing. Refer to => [Suspension Strut, Removing and Installing, Coil Spring Shock Absorber] See: Suspension Strut / Shock Absorber > Removal and Replacement > Suspension Strut, Removing and Installing, Coil Spring Shock Absorber.
- ◆ Servicing. Refer to => [Suspension Strut, Servicing, Coil Spring Shock Absorber] See: Suspension Strut / Shock Absorber > Procedures > Suspension Strut, Servicing, Coil Spring Shock Absorber.

13 Upper Front Control Arm

- ◆ Removing and installing. Refer to => [Upper Control Arm, Removing and Installing] See: Suspension > Removal and Replacement > Upper Control Arm, Removing and Installing.
- ◆ For replacing the bonded rubber bushing for upper front control arm. Refer to => [Upper Control Arm Bearing, Replacing] See: Suspension > Removal and Replacement > Upper Control Arm Bearing, Replacing.

14 Bolt

- ◆ 50 Nm +90° turn
- ◆ Always replace if removed
- ◆ Must be tightened in the control position. Refer to => [Wheel Bearing in Control Position, Lifting Vehicles with Air Suspension] See: Steering and Suspension > Procedures > Wheel Bearing in Control Position, Lifting Vehicles with Air Suspension or => [Wheel Bearing in Curb Weight, Lifting

Vehicles with Coil Spring] See: Steering and Suspension > Components > Wheel Bearing in Curb Weight, Lifting Vehicles with Coil Spring.

15 Bolt

- ◆ Always replace if removed

16 Control Arm

17 Nut

- ◆ 90 Nm +90° turn
- ◆ Always replace if removed
- ◆ Must be tightened in the control position. Refer to => [Wheel Bearing in Control Position, Lifting Vehicles with Air Suspension] See: Steering and Suspension > Procedures > Wheel Bearing in Control Position, Lifting Vehicles with Air Suspension

18 Shock Absorber Fork

- ◆ Removing and installing. Refer to => [Shock Absorber Fork, Removing and Installing] See: Suspension > Removal and Replacement > Shock Absorber Fork, Removing and Installing.

19 Bolt

- ◆ 40 Nm +180° turn
- ◆ Always replace if removed

20 Coupling Rod

21 Bolt

- ◆ 40 Nm +90° turn
- ◆ Always replace if removed
- ◆ Must be tightened in the control position. Refer to => [Wheel Bearing in Control Position, Lifting Vehicles with Air Suspension] See: Steering and Suspension > Procedures > Wheel Bearing in Control Position, Lifting Vehicles with Air Suspension or => [Wheel Bearing in Curb Weight, Lifting Vehicles with Coil Spring] See: Steering and Suspension > Components > Wheel Bearing in Curb Weight, Lifting Vehicles with Coil Spring.

22 Nut

- ◆ Always replace if removed

23 Air Spring Shock Absorber

- ◆ Removing and installing. Refer to => [Suspension Strut, Removing and Installing, Air Spring Damper] See: Suspension Strut / Shock Absorber > Removal and Replacement > Suspension Strut, Removing and Installing, Air Spring Damper.
- ◆ Servicing. Refer to => [Suspension Strut, Servicing, Air Spring Damper] See: Suspension Strut / Shock Absorber > Procedures > Suspension Strut, Servicing, Air Spring Damper.
- ◆ There are different versions of the suspension. Refer to => [Production Control Number (PR number) Explanation] See: Suspension > Components > Production Control Number (PR number) Explanation.

24 Connecting Piece for the Air Line and the Residual Pressure Retaining Valve

- ◆ Tightening specification: - **Item 5** - => [(Item 5) Connecting Piece for Air Line with Residual Pressure Retaining Valve] See: Suspension Strut / Shock Absorber > Procedures > Suspension Strut, Servicing, Air Spring Damper

- ◆ Only remove if vehicle is raised and air spring damper is unloaded (otherwise, there is a risk of injury from lowering vehicle)
- ◆ If there are leaks. Refer to => [Air Line, Servicing] See: Air Line, Suspension Control > Removal and Replacement > Air Line, Servicing or => [Air Line, Servicing] See: Air Line, Suspension Control > Removal and Replacement > Air Line, Servicing.
- ◆ Clean connections before loosening
- ◆ Air escapes when connections are unscrewed
- ◆ Protect threaded connection from dirt
- ◆ Do not loosen the residual pressure retaining valve.