

Rear Shock Absorber and Air Spring Assembly (64.21.01.99)

Removal

NOTE:

Only the air spring being removed needs to be depressurised.

1 .



WARNING: Do not work on or under a vehicle supported only by a jack. Always support the vehicle on safety stands.

Raise and support the vehicle.

2 . Remove the wheel and tire.

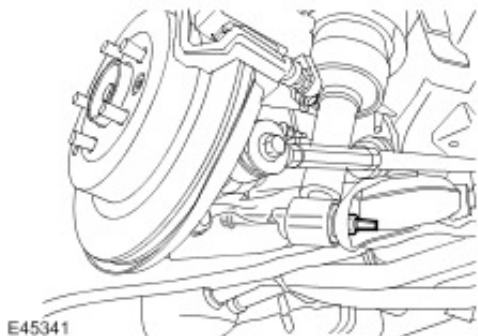
3 . Using T4, depressurize the air suspension.

For additional information, refer to [Air Suspension System Depressurize and Pressurize \(60.50.38\)](#)

4 . Disconnect the shock absorber and air spring assembly from the lower arm.



Remove the nut and bolt.



5 .



CAUTION: Always plug any open connections to prevent contamination.

Disconnect the air line.

6 . Using a trolley jack, support the shock absorber and air spring assembly.

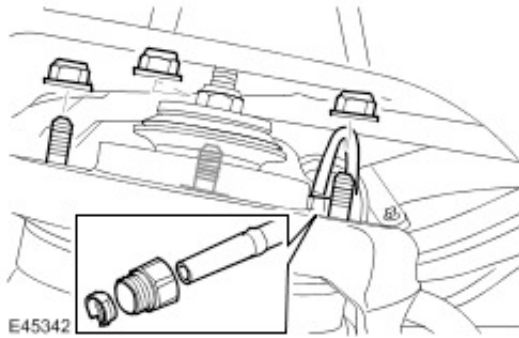
7 . Remove the three shock absorber and air spring retaining nuts.

8 . Remove the shock absorber and air spring assembly.

9 . Remove the Voss connector from the air line.



Remove and discard the collet and the union.



10 Install the shock absorber and air spring assembly.

- ▶ Make sure the shock absorber and air spring assembly top mounting to body mating faces are clean.
- ▶ Connect the air line into the Voss connector.
- ▶ Pull on the air line to make sure it is fully installed into the Voss connector.
- ▶ Fit the nuts and tighten to 63 Nm (46 lb.ft).

Installation

1



CAUTION: Make sure the new Voss connector is installed and fully tightened with the alignment plug installed.

Install a new Voss connector to the air spring.

- ▶ Tighten to 3.5 Nm (2.6 lb.ft)

2 Install the shock absorber and air spring assembly.

- ▶ Make sure the shock absorber and air spring assembly top mounting to body mating faces are clean.
- ▶ Fit the nuts and tighten to 63 Nm (46 lb.ft).
- ▶ Connect the air line into the Voss connector.
- ▶ Pull on the air line to make sure it is fully installed into the Voss connector.

3 . Connect the shock absorber and air spring assembly to the lower arm.

- ▶ Tighten the nut and bolt to 300 Nm (221 lb.ft).

4 . Using T4, pressurize the air suspension.

For additional information, refer to [Air Suspension System Depressurize and Pressurize \(60.50.38\)](#)

5 . Install the wheel and tire.

- ▶ Tighten the wheel nuts to 140 Nm (103 lb.ft).