

## 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 .

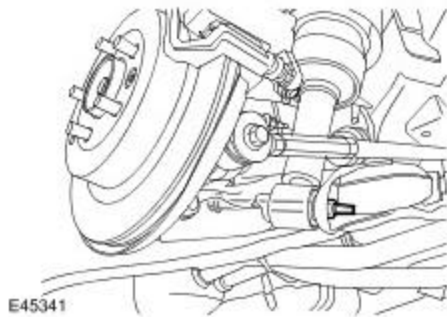
Using T4, depressurize the air suspension. For additional information, refer to [Air Suspension System Depressurize and Pressurize \(60.50.38\)](#) (Section 204-05)

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 .

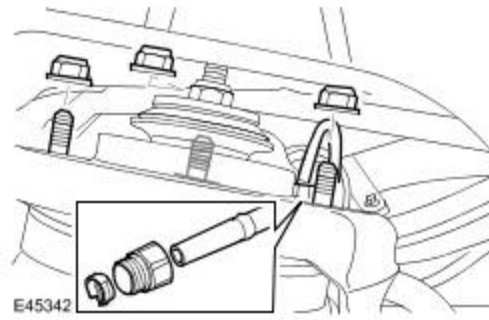
Remove the shock absorber and air spring assembly.

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 \(60.50.38\)](#) (Section 204-05)
  - 5 . Install the wheel and tire.
    - Tighten the wheel nuts to 140 Nm (103 lb.ft).