

Front Shock Absorber - 4.2L NA V8 - AJV8/4.2L SC V8 - AJV8 (60.30.04)


Special Service Tools



E64117

Suspension spring compressor
204-476-01

Removal

- 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.

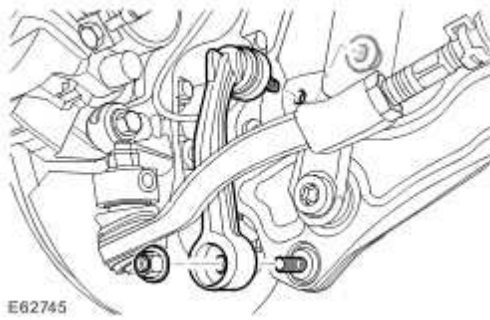
- 2 . Remove the LH front wheel and tire.
For additional information, refer to Wheel and Tire (74.20.05)

- 3 . **NOTE:**

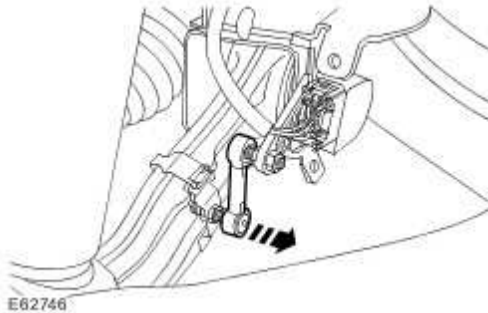
Use an additional wrench to prevent the ball joint rotating.

Disconnect the LH stabilizer bar link.

-  Remove and discard the 2 nuts.




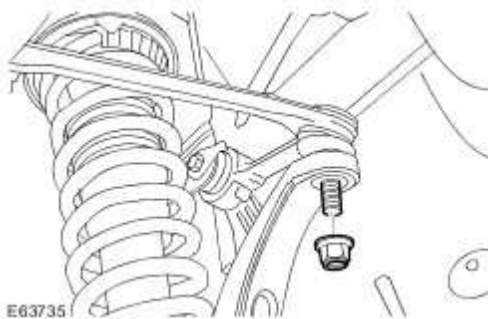
4 . Disconnect the height sensor link.



5  **CAUTION:** Use an Allen key to prevent the ball joint rotating whilst removing the nut.

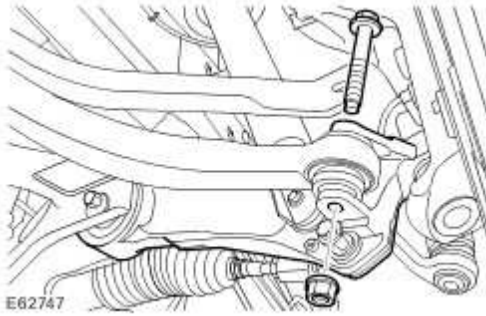
Release the upper suspension arm ball joint.

 Remove and discard the nut.



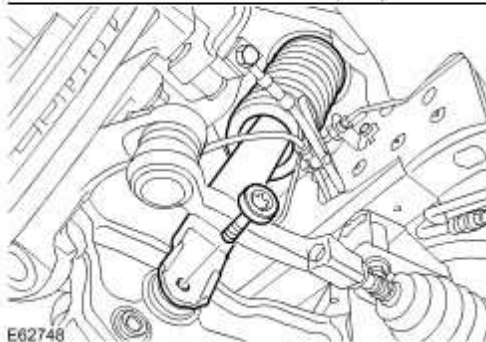
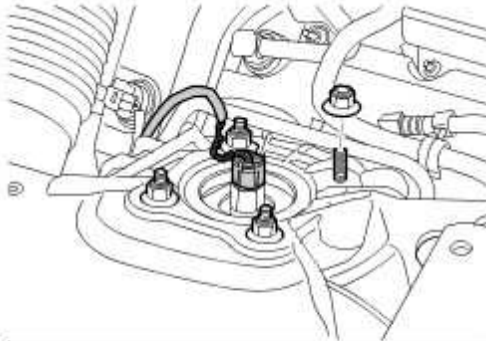
6 . Release the LH lower suspension arm.

- ▶ Remove the bolt and discard the nut.



7 . Remove the shock absorber and spring assembly.

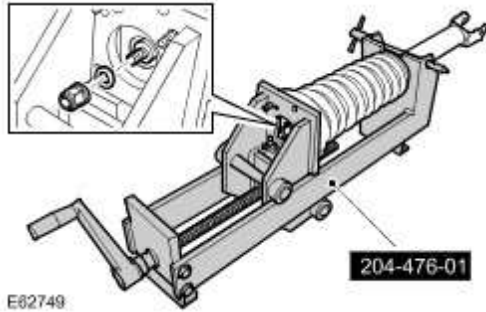
- ▶ Active shock absorber: Disconnect the electrical connector.
- ▶ Remove the Torx bolt.
- ▶ Remove the 4 nuts.



8 . Using the special tool, compress the suspension spring to remove the shock absorber.

▶ Compress the spring.

▶ Remove the nut.

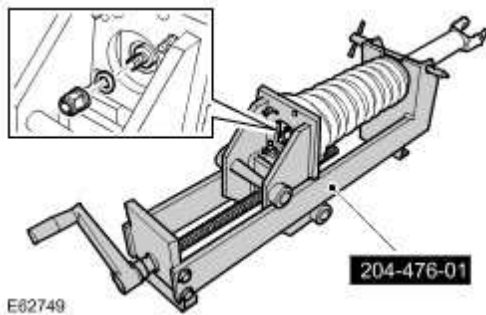


Installation

1 . Using the special tool, compress the spring to install the shock absorber.

▶ Passive shock absorber: Tighten the nut to 27 Nm (20 lb.ft).

▶ Active shock absorber: Tighten the nut to 50Nm (37 lb.ft).




2 . Install the shock absorber and spring assembly.

▶ Tighten the nuts to 27 Nm (20 lb.ft).

▶ Tighten the Torx bolt to 175 Nm (129 lb.ft).

▶ Active shock absorber: Connect the electrical connector.

3 . Install the lower suspension arm.


 Install the bolt and tighten the new nut to 60 Nm (44 lb.ft) + 135 degrees.

4



CAUTION: Use an Allen key to prevent the ball joint rotating whilst installing the nut.

Connect the upper suspension arm ball joint.


 Tighten the nut to 90 Nm (66 lb.ft).

5 . Connect the height sensor link.

6 . **NOTE:**

Use an additional wrench to prevent the component from rotating.

Install the stabilizer bar link.

 Tighten the nuts to 43 Nm (30 lb.ft).

7 . Install the wheel and tire.

For additional information, refer to Wheel and Tire (74.20.05)