



Published : Apr 22, 2004

Engine Mount LH (12.45.11)


Special Service Tools



Ball joint separator
205-754 (LRT-54-027)

Removal

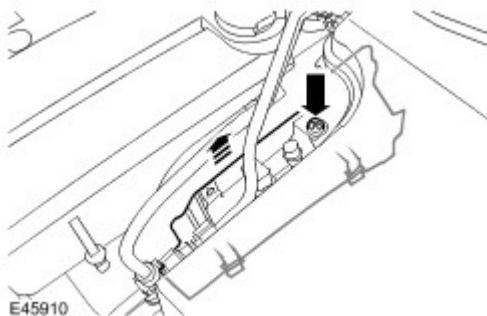
1. Disconnect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)

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

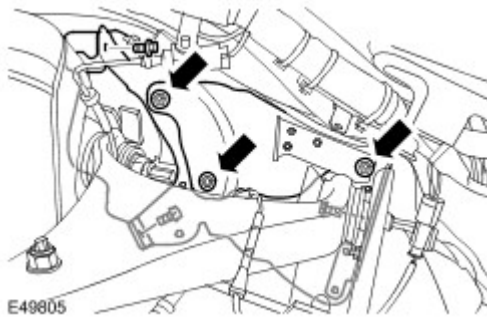
Raise and support the vehicle.

3. Remove the LH front wheel.
4. Remove the engine undershield. For additional information, refer to [Engine Undershield \(76.10.50\)](#) (Section 501-02)
5. Remove the engine compartment LH upper heat shield.

➤ Remove the screw.



6. **NOTE :**
The heatshield consists of 3 parts.
Remove the upper suspension arm and brake line heat shields for access.
➤ Remove the 3 nuts.
➤ Remove the 3 bolts.



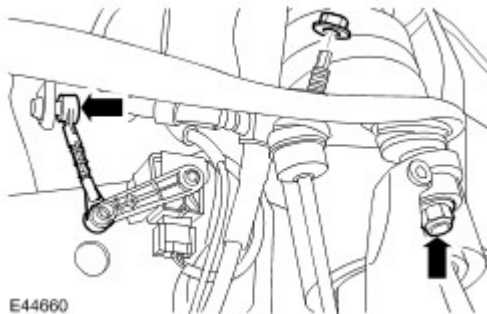
7. Disconnect the height sensor link arm.

8.  **CAUTION:** Use a wrench on the hexagon provided to prevent the ball joint rotating.

Remove the stabilizer bar link nut.

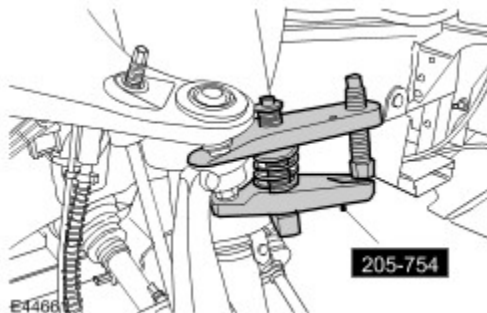
9.  **CAUTION:** To prevent the wheel knuckle falling outwards and disconnection of the halfshaft inner joint, support the wheel knuckle.

Loosen the upper arm retaining nut.

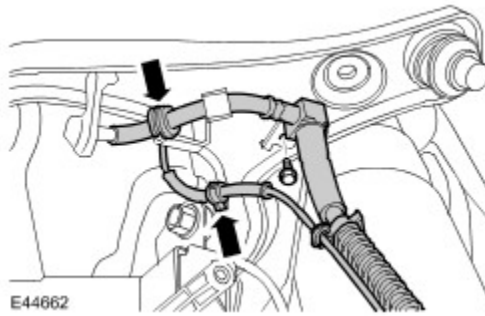


10. Using the special tool, release the upper arm ball joint.

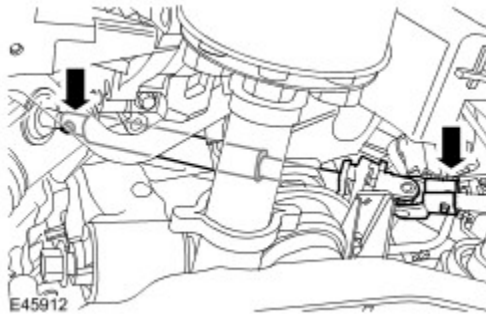
 Remove and discard the retaining nut.



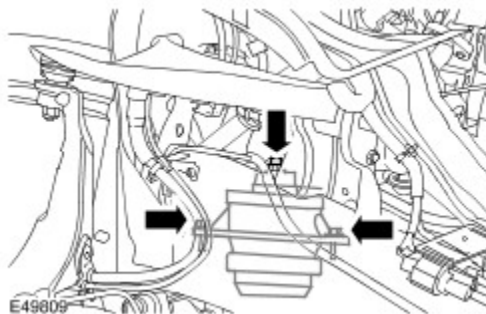
11. Release the brake hose from the upper arm.



12. Tie the upper suspension arm aside for access.
13. Remove the steering column lower universal joint assembly for access.
 - ▶ Remove and discard the bolts.














14. Support the engine.
15. Raise the engine.
 - ▶ Remove the nut.
16. Remove the engine front mount.
 - ▶ Remove and discard the 2 bolts.



Installation

1. Clean the component mating faces.
2. Install the engine front mount.

-  Tighten the bolts to 45 Nm (33 lb.ft), then a further 60 degrees.
- 3 . Lower the engine onto the mount.
 -  Tighten the nut to 90 Nm (66 lb.ft).
- 4 . Remove the engine support.
- 5 . Install the steering column lower universal joint assembly.
 -  Install new patchlock bolts and tighten to 25 Nm (18 lb.ft).
- 6 . Secure the brake hose to the upper arm.
 -  Tighten the bolt to 23 Nm (17 lb.ft).
- 7 . Connect the upper arm and wheel knuckle.
 -  Remove the cable tie securing the upper arm.
 -  Install a new nut and tighten to 70 Nm (52 lb.ft).
- 8 . Secure the stabilizer bar link.
 -  Tighten the nut to 115 Nm (85 lb.ft).
- 9 . Connect the height sensor link arm.
- 10 . Install the upper suspension arm and brake line heat shields.
 -  Install the bolts.
 -  Install the nuts.
- 11 . Install the engine compartment upper LH heat shield.
 -  Install the screw.
- 12 . Install the engine undershield. For additional information, refer to [Engine Undershield \(76.10.50\)](#) (Section 501-02)
- 13 . Install the front wheel.
 -  Tighten the wheel nuts to 140 Nm (103 lb.ft).