



## Starter Motor (86.60.01)

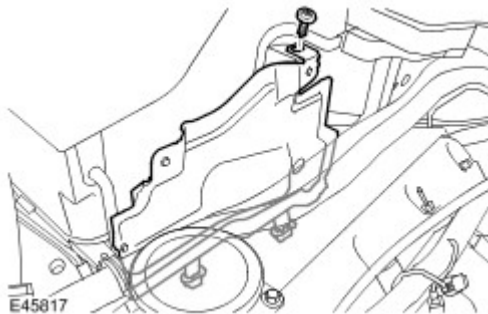
### Special Service Tools



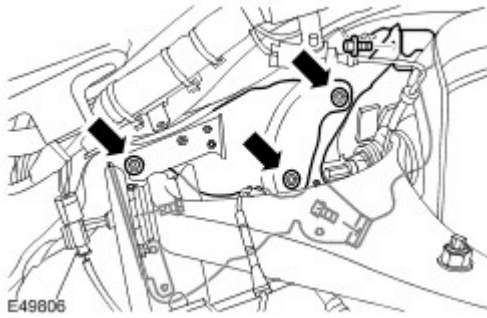
Ball joint separator  
205-754 (LRT-54-027)

### Removal

1. Disconnect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)
2. Raise and support the vehicle.
3. Remove the 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 upper RH heat shield.
  - ▶ Remove the screw.



6. Remove the upper suspension arm and brake line heat shields for access.
  - ▶ Remove the 3 nuts.
  - ▶ Remove the 3 bolts.
  - ▶ Remove the 3 heat shields.



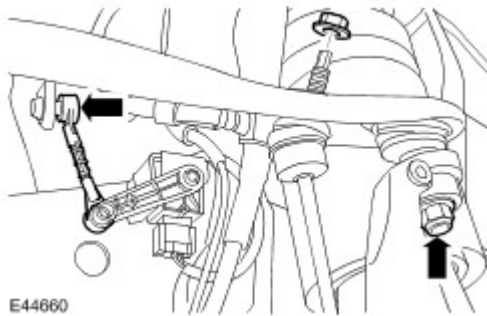
7. Disconnect the height sensor link arm.

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

Remove the stabilizer bar link nut.

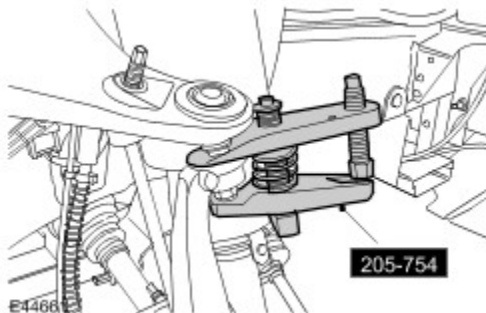
9.  **CAUTION:** To prevent the wheel knuckle falling outwards and disconnection of the halfshaft inner joint, support the wheel knuckle.

Loosen the upper arm retaining nut.



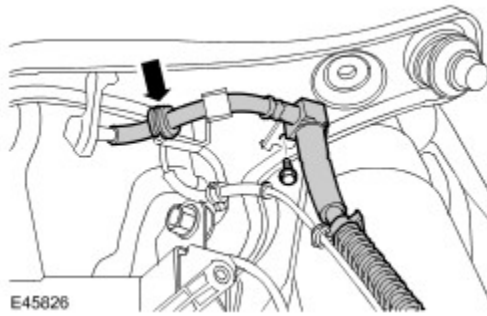
10. Using the special tool, release the upper arm ball joint.

 Remove and discard the retaining nut.



11. Release the brake hose from the upper arm.

 Raise the upper arm for access.



12. Disconnect the starter motor electrical connections.

▶ Remove the nut.



13. Remove the starter motor.

▶ Remove the 2 bolts.



## Installation

1. Clean the component mating faces.
2. Install the starter motor.
  - ▶ Tighten the bolts to 45 Nm (33 lb.ft).
3. Connect the electrical connectors.
  - ▶ Tighten the starter motor nut to 10 Nm (7 lb.ft).
4. Secure the brake hose to the upper arm.
  - ▶ Tighten the bolt to 23 Nm (17 lb.ft).

- 5 . Connect the upper arm and wheel knuckle.
  - ▶ Install a new nut and tighten to 70 Nm (52 lb.ft).
- 6 . Secure the stabilizer bar link.
  - ▶ Tighten the nut to 115 Nm (85 lb.ft).
- 7 . Connect the height sensor link arm.
- 8 . **NOTE :**  
The heatshield consists of 3 parts.  
Install the upper suspension arm and brake line heat shields.
  - ▶ Install the bolts.
  - ▶ Install the nuts.
- 9 . Install the engine compartment upper RH heat shield.
  - ▶ Install the screws.
- 10 . Install the engine undershield. For additional information, refer to [Engine Undershield \(76.10.50\)](#) (Section 501-02)
- 11 . Install the front wheel.
  - ▶ Tighten the wheel nuts to 140 Nm (103 lb.ft).
- 12 . Connect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)