



Published : Jun 30, 2004

## Steering Gear - 4.0L (57.10.01)


### Special Service Tools



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

### Removal

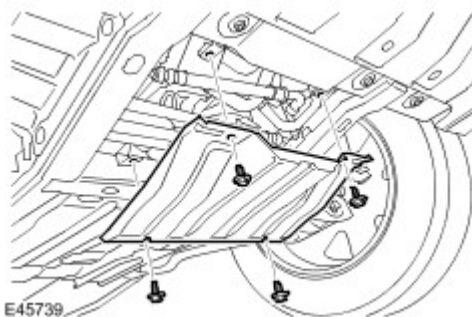
1. Disconnect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)

2.  **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.

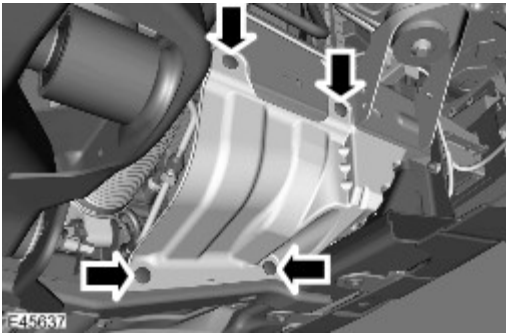
3. Remove the front wheels and tires.
4. Remove the radiator access panel.

➤ Remove the 4 bolts.



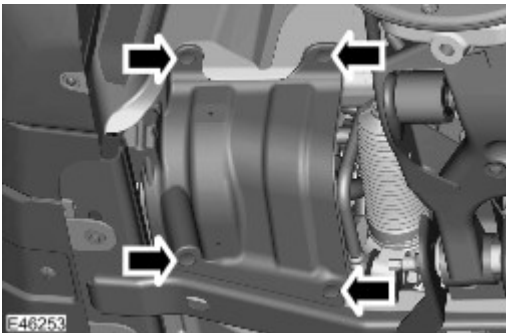
5. Remove the front RH splash shield.

➤ Remove the 4 clips.



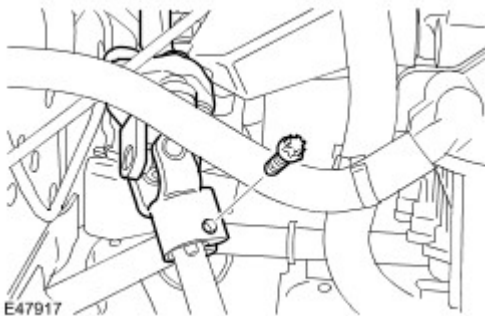
6. Remove the front LH splash shield.

➤ Remove the 4 clips.



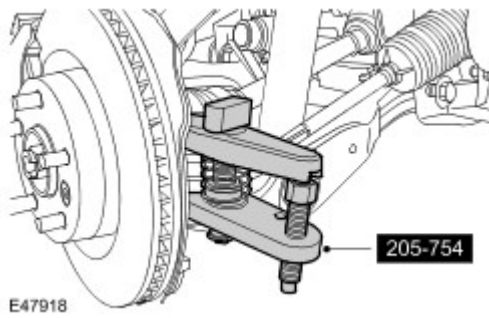
7. **NOTE :**  
Make sure the steering is in the straight ahead position.  
Release the universal joint from the steering gear.

➤ Remove and discard the bolt.

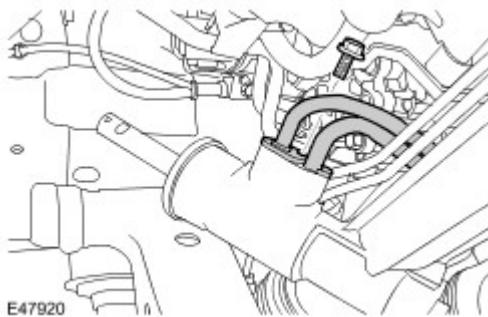


8. Release both tie-rod end ball joints.

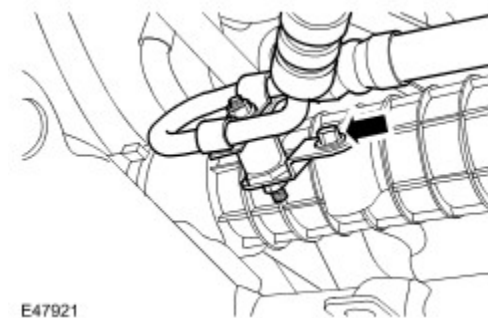
➤ Loosen both tie-rod end ball joint retaining nuts.  
➤ Use the special tool.  
➤ Remove the 2 nuts.



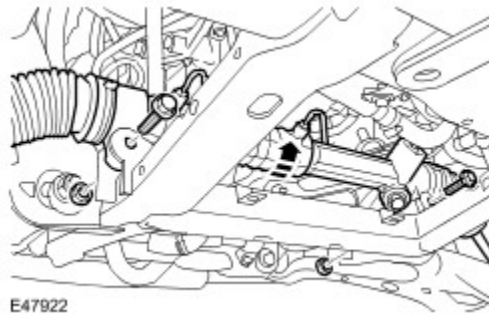
- 9 . Disconnect the pressure lines from the power steering gear.
- Remove the bolt.
  - Position an absorbent cloth to collect fluid spillage.
  - Remove and discard the O-ring seals.



- 10 . Remove the steering gear high pressure line.
- Remove the bolt.



- 11 . Remove the steering gear.
- Remove the 2 bolts and discard the cage nuts.
  - With assistance, carefully rotate and release the steering gear.



## Installation

- 1 . With assistance, install the steering gear.
  - Clean the component mating faces.
  - Tighten the bolts to 175 Nm (129 lb.ft).
- 2 . **NOTE :**  
Do not install the support bracket bolt until the steering gear connections are tightened.  
Install the steering gear high pressure line.
- 3 . **NOTE :**  
Lubricate the seals with clean power steering fluid.  
Connect the steering gear pressure lines.
  - Clean the component mating faces.
  - Install new O-ring seals.
- 4 . Install the power steering line support bracket.
  - Tighten the bolt to 10 Nm (7 lb.ft).
- 5 . Connect the tie-rod end ball joints.
  - Install new nuts and tighten to 70 Nm (52 lb.ft).
- 6 . Connect the universal joint to the steering gear.
  - Install new patchlock bolt and tighten to 25 Nm (18 lb.ft).
- 7 . Install the radiator access panel.
  - Install the 4 bolts and tighten to 10 Nm (7 lb.ft).
- 8 . Install the front LH splash shield.
- 9 . Install the front RH splash shield.
- 10 . Install the front wheels and tires.
- 11 . Connect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-

00)

- 12 . Fill and bleed the power steering system. For additional information, refer to [Power Steering System Filling and Bleeding](#) (Section 211-00)
- 13 . Adjust the front wheel alignment.