

Axle Assembly (54.10.01)

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 front wheels and tires.

3.

Remove the LH halfshaft. For additional information, refer to [Halfshaft LH \(47.10.01\)](#) (Section 205-04)

4.

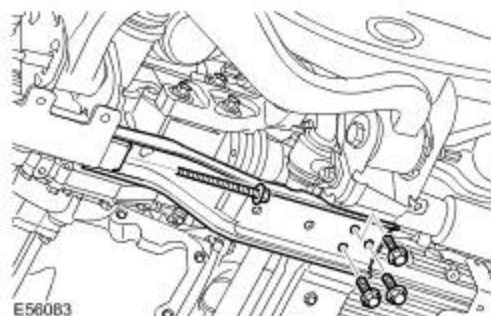
Remove the axle tube. For additional information, refer to [Axle Tube \(47.10.42\)](#) (Section 205-03)

5.

Remove the front axle crossmember.



Remove the 4 bolts.



6.



CAUTION: Mark the position of the driveshaft flange in relation to the drive pinion flange.

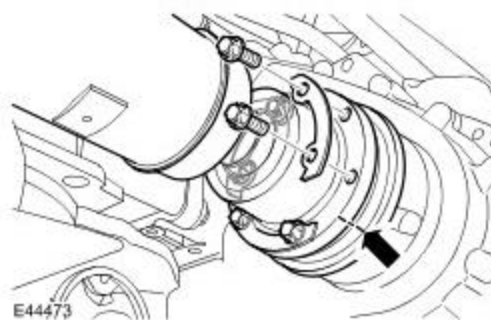


CAUTION: To avoid damage to the joint or gaiter, do not allow the driveshaft to hang.

Release the driveshaft from the front axle drive flange.



Remove the 6 Torx bolts and washers, discard the bolts.



7.

Using a transmission jack support the front differential case.

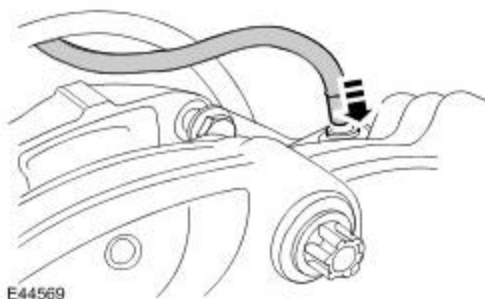
8.



CAUTION: Before the disconnection or removal of any components, ensure the area around joint faces and connections are clean. Plug any open connections to prevent contamination.

Disconnect the breather line.

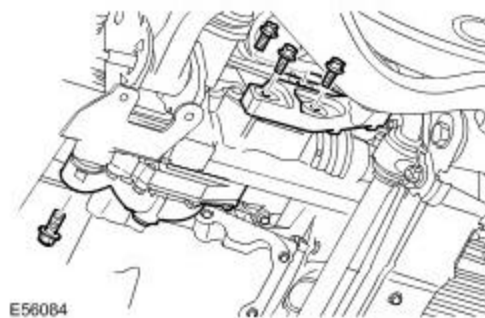
- ▶ Release the clip.



9.

Remove the front differential case.

- ▶ Remove and discard the three differential mounting bolts.
- ▶ Remove the differential front mounting bolt.
- ▶ With assistance, manoeuvre and lower the front differential case.



Installation

1.

Install the front differential case.

- ▶ With assistance, raise and manoeuvre the front differential case.

2.



With assistance, align and secure the front differential case.

- ▶ Connect the breather line.
- ▶ Tighten the M14 bolt to 105 Nm (77 lb.ft).
- ▶ Tighten the M12 bolts to 80 Nm, plus a further 60 degrees.

3.

Attach the driveshaft to the front axle drive flange.

- ▶ Tighten the new Torx bolts to 45 Nm (33 lb.ft), then a further 90 degrees.

- 4 . Install the front axle crossmember.
 -  Tighten the 4 bolts to 115 Nm (85 lb.ft).
- 5 . Install the axle tube. For additional information, refer to [Axle Tube \(47.10.42\)](#) (Section 205-03)
- 6 . Install the LH halfshaft. For additional information, refer to [Halfshaft LH \(47.10.01\)](#) (Section 205-04)
- 7 . Install the wheels and tires.
 -  Tighten the wheel nuts to 140 Nm (103 lb.ft).