

## Wheel Knuckle (64.35.10)

### Special Service Tools



Halfshaft remover/replacer  
204-506/1 (LRT-60-030/1)



Halfshaft remover/replacer  
204-506/2 (LRT-60-030/2)



Halfshaft remover/replacer  
204-506/3 (LRT-60-030/3)



Retainers - halfshaft remover/replacer  
204-506/5 (LRT-60-030/5)



Halfshaft installer adapter  
204-506-01

### Removal

1.



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

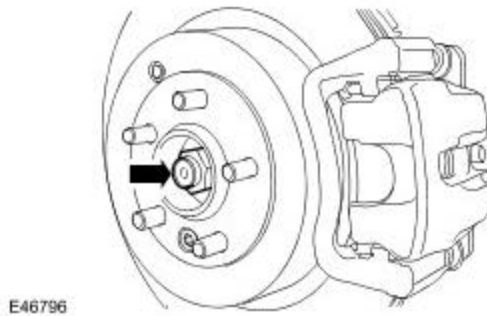
Raise and support the vehicle.

2.

Remove the wheel and tire.

3.

Loosen the halfshaft retaining nut.



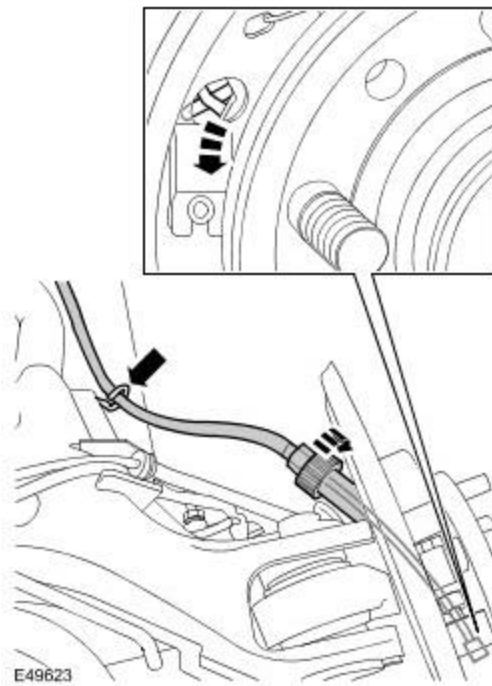
4.

Remove the brake disc. For additional information, refer to [Brake Disc \(70.12.33\)](#) (Section 206-04)

5.

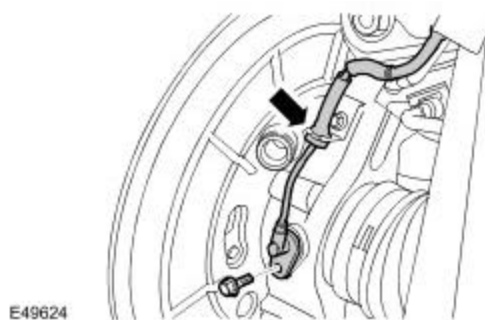
Release the parking brake cable.

- Disconnect the parking brake cable from the brake shoe lever.
- Disconnect the parking brake cable from the backplate.
- Release the cable from the lower arm.

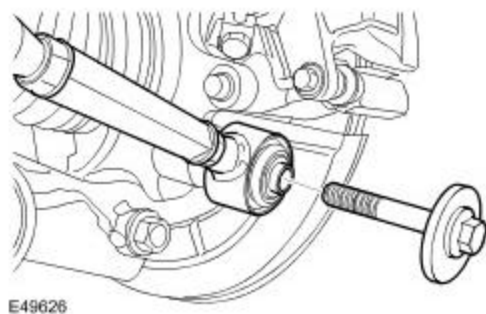


6.

Release the wheel speed sensor from the wheel knuckle.



7. Disconnect the toe link.  
▶ Remove the bolt.

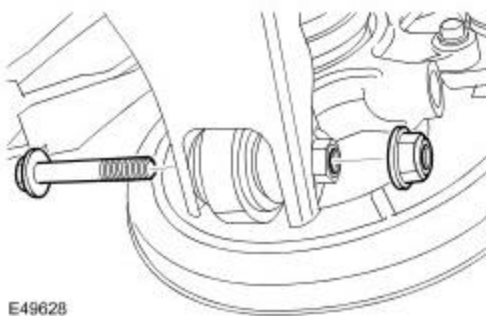


8. Remove the halfshaft retaining nut.

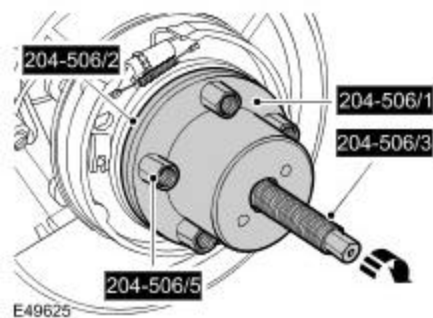
9.  **CAUTION: Ensure the ball joint seal is not damaged. A damaged seal will lead to the premature failure of the joint.**

Release the knuckle from the lower arm.

- ▶ Remove the bolt.



10. Using the special tools, release the halfshaft from the wheel hub.



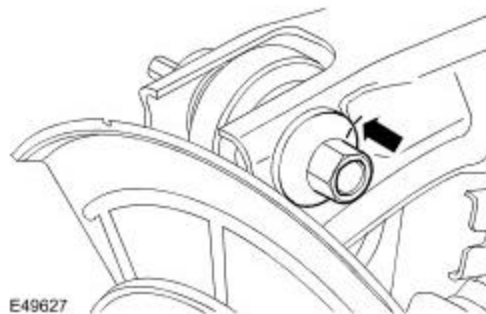
11.



**CAUTION:** Ensure the ball joint seal is not damaged. A damaged seal will lead to the premature failure of the joint.

Disconnect the upper arm from the wheel knuckle.

- Mark the position of the bolt in relation to the upper arm.
- Remove the nut and bolt.



12.



**CAUTION:** Ensure the ball joint seal is not damaged. A damaged seal will lead to the premature failure of the joint.

Remove the wheel knuckle.

## Installation

1.

Clean the components.

2.



**CAUTION:** Ensure the ball joint seal is not damaged. A damaged seal will lead to the premature failure of the joint.

Install the wheel knuckle.

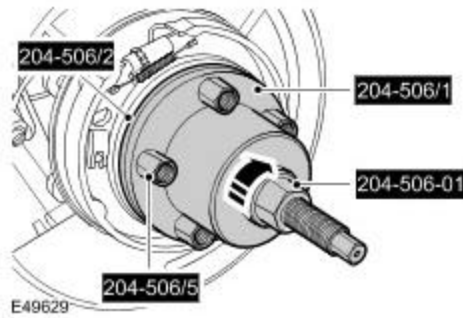
- Locate the halfshaft.

3.

Connect the upper arm and wheel knuckle.

- Align the bolt to the marks made previously.
- Tighten the nut and bolt to 175 Nm (129 lb.ft).

- 4 . Using the special tools, install the halfshaft in the wheel hub.



- 5 . Install a new halfshaft retaining nut and lightly tighten.

- 6 .  **CAUTION:** Ensure the ball joint seal is not damaged. A damaged seal will lead to the premature failure of the joint.

Connect the lower arm to the wheel knuckle.

➤ Tighten the nut and bolt to 175 Nm (129 lb.ft).

- 7 . Connect the toe link.

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

- 8 . Install the wheel speed sensor.

➤ Tighten the bolt to 9 Nm (7 lb.ft).

- 9 . Locate the parking brake cable to the backplate.

➤ Connect the cable to the brake shoe lever.

➤ Tighten the coupling to 8 Nm (6 lb.ft).

➤ Secure the parking brake cable to the lower arm.

- 10 . Install the brake disc. For additional information, refer to [Brake Disc \(70.12.33\)](#) (Section 206-04)

- 11 . Tighten the halfshaft retaining nut to 350 Nm (258 lb.ft).

➤ Stake the nut to the halfshaft.

- 12 . Install the wheel and tire.

- 13 . Carry out the wheel alignment procedure.