

## Wheel Knuckle (64.35.10)

### Special Service Tools

204-506/1



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

204-506/2



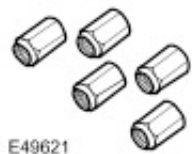
Halfshaft remover/replacer  
204-506/2 (LRT-60-030/2)

204-506/3



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

204-506/5



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

204-506-01



Halfshaft installer adapter  
204-506-01

## Removal

1

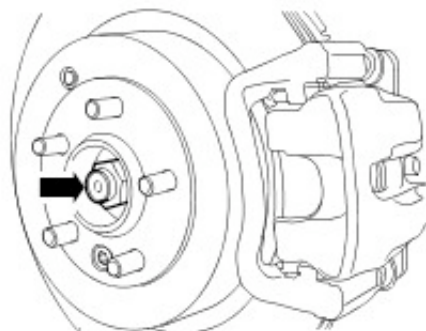


**WARNING: Do not work on or under a vehicle supported only by a jack. Always support the vehicle on safety stands.**

Raise and support the vehicle.

2 . Remove the wheel and tire.

3 . Loosen the halfshaft retaining nut.






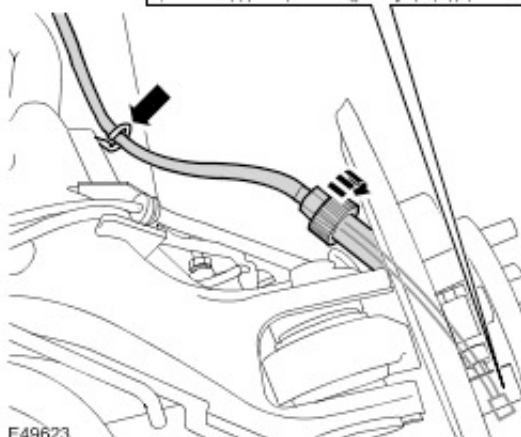
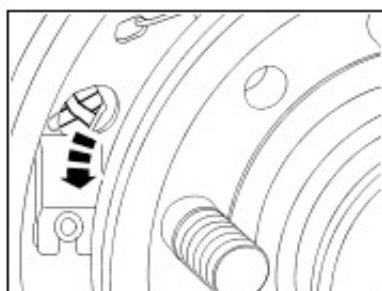
E46796

4 . Remove the brake disc.

For additional information, refer to [Brake Disc \(70.12.33\)](#)

5 . Release the parking brake cable.

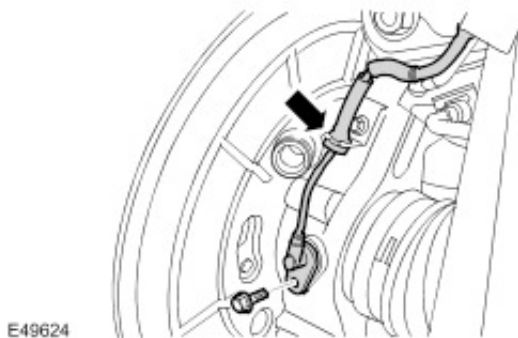
-  Disconnect the parking brake cable from the brake shoe lever.
-  Disconnect the parking brake cable from the backplate.
-  Release the cable from the lower arm.




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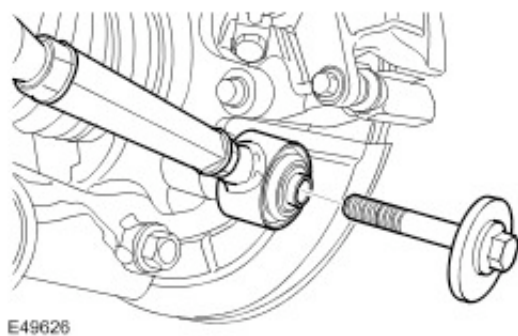
6 . Release the wheel speed sensor from the wheel knuckle.

 Remove the bolt.



7 . Disconnect the toe link.

 Remove the and discard the bolt.




8 . Remove the halfshaft retaining nut.

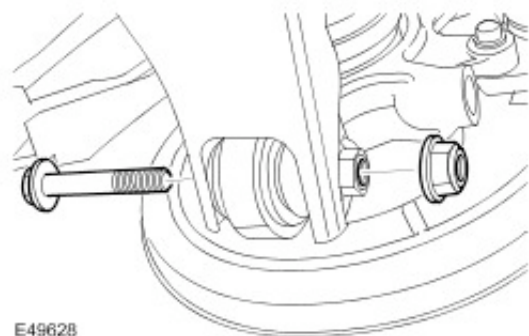
9



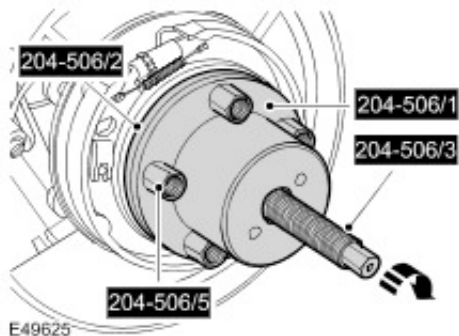
**CAUTION: Ensure the ball joint seal is not damaged. A damaged seal will lead to the premature failure of the joint.**

Release the knuckle from the lower arm.

 Remove the bolt.



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



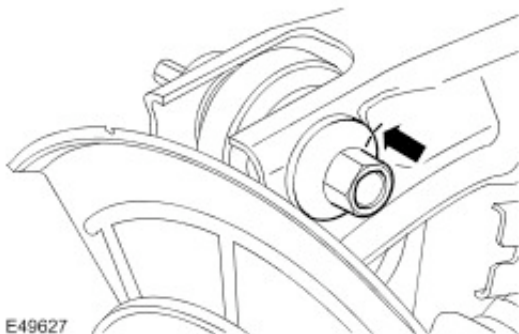
11



**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.**

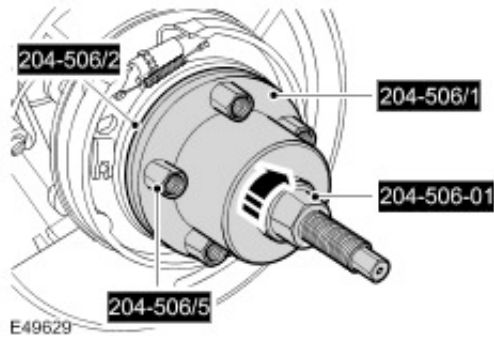
Install the wheel knuckle.

- ▶ 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 133 Nm (98 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.


 Using a M14 X 2 tap, clean the threads of the knuckle fixing hole. Blow out debris with an air-line.


 Tighten the new 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 \(70.12.33\)](#)

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.