

## Lower Arm Ball Joint (64.15.08)

### Special Service Tools

**204-516/1**



E46795

Ball joint remover/installer  
204-516/1 (LRT-64-026/1)

**204-516/2**



E50960

Ball joint remover/installer  
204-516/2 (LRT-64-026/2)

**204-516/3**



E50961

Ball joint remover/installer  
204-516/3 (LRT-64-026/3)

**204-516/4**



E50962

Ball joint remover/installer  
204-516/4 (LRT-64-026/4)

**204-506/1**



E49618

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

204-506/3



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

204-506-01



Halfshaft installer adapter  
204-506-01

204-506/5



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

## Removal



**CAUTION:** The bolt securing the toe link to the wheel knuckle must not be used more than 5 times. Mark the bolt head with a suitable centre punch.

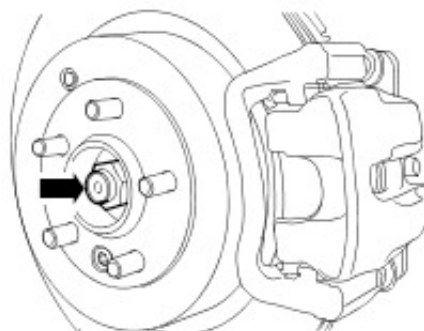
1



**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.

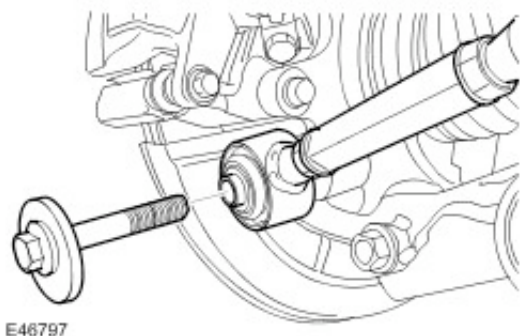
- 2 . Remove the wheel and tire.
- 3 . Loosen the halfshaft retaining nut.



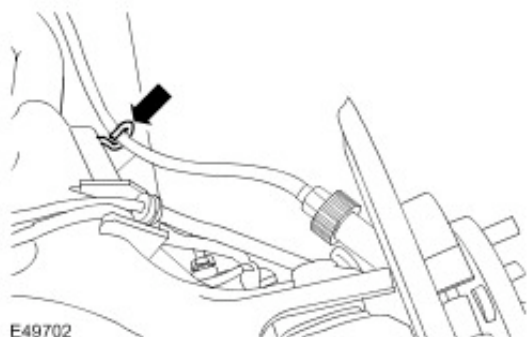
E46796

4 . Disconnect the toe link.

 Remove the bolt.




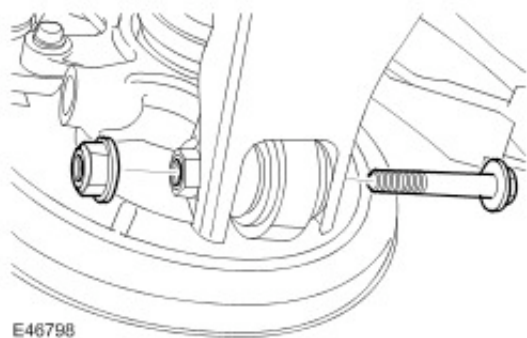
5 . Release the parking brake cable from the lower arm.



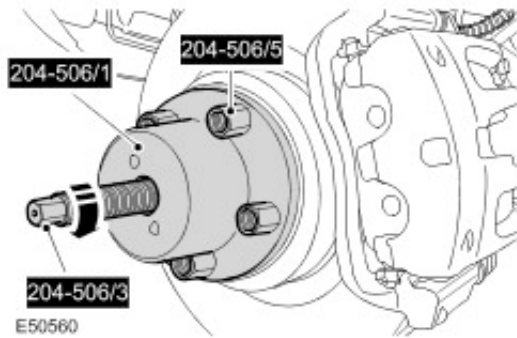
6 . Remove the halfshaft retaining nut.

7 . Release the knuckle from the lower arm.

 Remove the bolt.

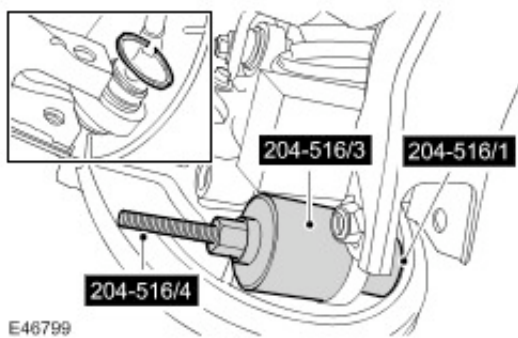


8 . Using the special tools, release the halfshaft from the wheel hub.



9 . Using the special tool, remove the lower arm ball joint.

- ▶ Support the wheel knuckle to give access to the lower ball joint.
- ▶ Remove and discard the snap ring.



## Installation

1 .



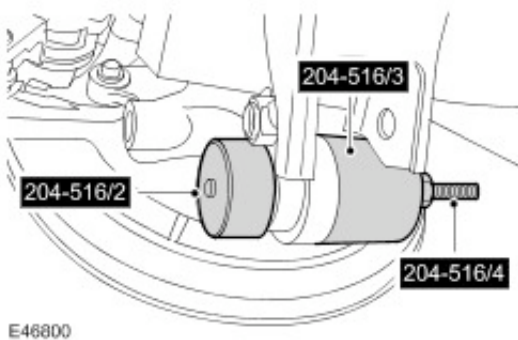
**CAUTION:** If the push in force is less than 17 kN the wheel knuckle must be replaced.



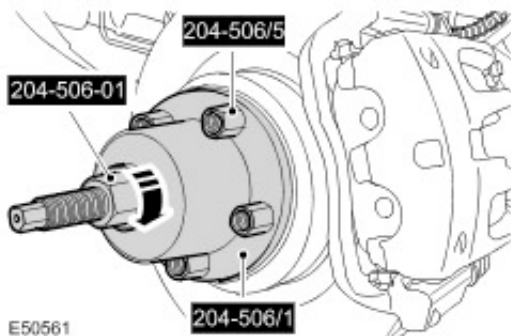
**CAUTION:** Make sure the ball joint is installed from the chamfered side of the wheel knuckle.

Using the special tool, install the lower arm ball joint.

- ▶ Install the snap ring.



2 . Using the special tools, install the halfshaft in the wheel hub.




3



**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 bolt to 175 Nm (129 lb.ft).

4 . Install a new halfshaft retaining nut and lightly tighten.


5 . Secure the parking brake cable.


6




**CAUTION: Do not use a bolt that has been installed more than 5 times. Check the bolt head for centre punch marks. A bolt head with 4 centre punch marks indicates the bolt has been installed 5 times and must be replaced.**

Connect the toe link.

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

 Mark the bolt head with a centre punch, to indicate the number of times it has been used.

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

 Stake the nut to the halfshaft.

8 . Install the wheel and tire.

9 . Carry out the wheel alignment procedure.