

## Lower Arm Ball Joint (64.15.08)

### Special Service Tools

**204-516/1**

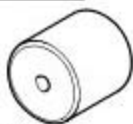
E46795

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)



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



Halfshaft installer adapter  
204-506-01



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

## Removal

1.



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

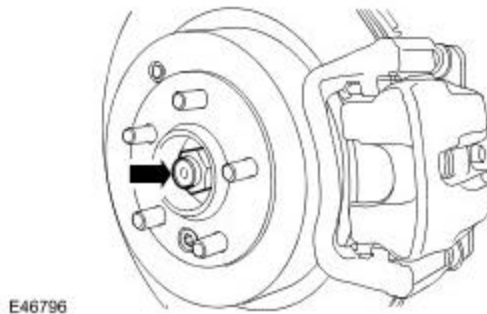
Raise and support the vehicle.

2.

Remove the wheel and tire.

3.

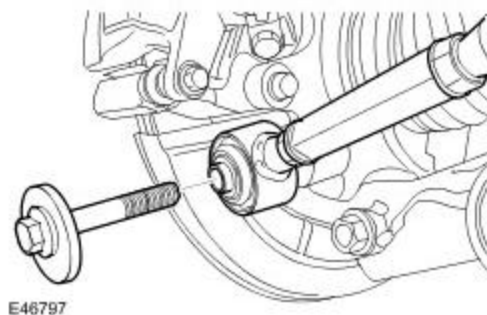
Loosen the halfshaft retaining nut.



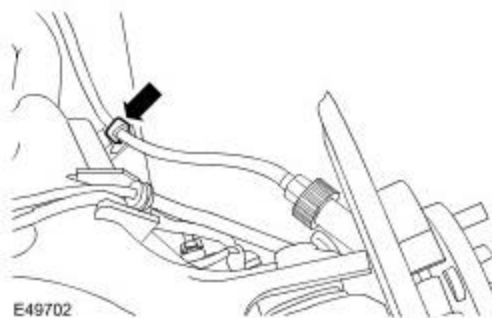
4.

Disconnect the toe link.

- ▶ Remove the bolt.



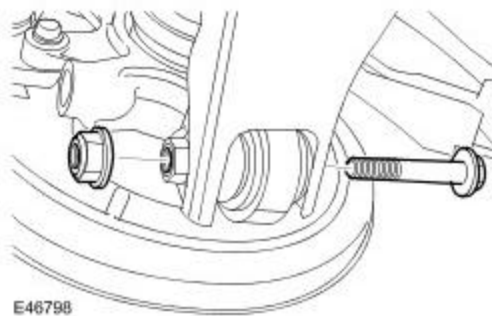
5. Release the parking brake cable from the lower arm.



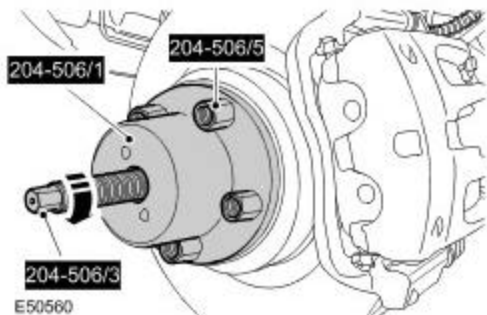
6. Remove the halfshaft retaining nut.

7. Release the knuckle from the lower arm.

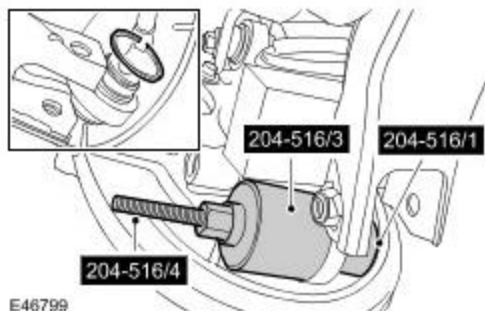
- ▶ Remove the bolt.





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.

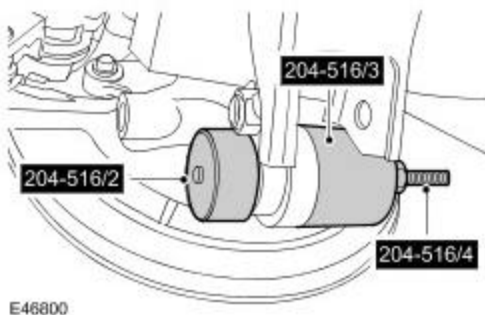


## Installation

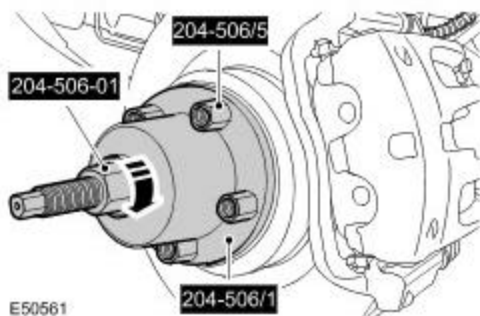
1.  **CAUTION:** If the push in force is less than 17 kN the wheel knuckle must be replaced.
-  **CAUTION:** Make sure the ball joint is installed from the chamfered side of the wheel knuckle.

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 . Connect the toe link.

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