

## Lower Arm (60.35.02)

### Special Service Tools



Ball joint separator  
205-754 (LRT-54-027)



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



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

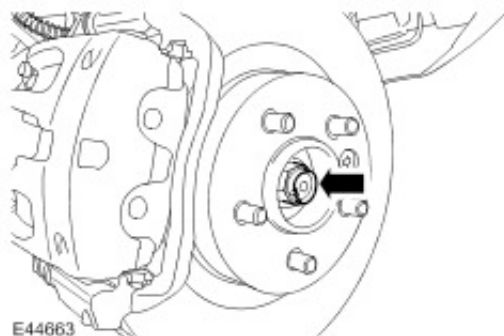
## Removal

- 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 . Remove the halfshaft retaining nut.


 Discard the nut.




- 4  **CAUTION: Use a Torx socket to prevent the ball joint rotating whilst removing the nut.**

 **CAUTION: Note the position of the hardened steel washer. The hardened steel washer must be installed between the stabilizer bar link and the stabilizer bar. Failure to follow this instruction may result in damage to the vehicle.**

Remove the stabilizer bar link nut.

 Remove and discard the nut.

- 5 . Release the brake hose bracket from the wheel knuckle.


 Remove the bolt.

- 6 . Loosen the tie-rod end ball joint retaining nut.


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

Using the special tool, release the tie-rod end ball joint from the wheel knuckle.

 Discard the nut.

- 8 .  **CAUTION: To prevent the wheel knuckle falling outwards and disconnection of the halfshaft inner joint, support the wheel knuckle.**


Loosen the upper arm retaining nut.

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

Using the special tool, release the upper arm ball joint.

 Remove and discard the retaining nut.

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

- 11 .  **CAUTION: The lower arm ball joint can be damaged by excessive articulation. The wheel knuckle must be fully supported at all times. Do not allow the wheel knuckle to hang on the lower arm. Failure to follow this instruction will result in damage to vehicle.**


Release the halfshaft from the wheel knuckle.

- 12 . Secure the halfshaft clear of the lower arm.


- 13 . Remove the lower ball joint retaining nut.

- 14 . Using the special tool, release the lower ball joint from the steering knuckle.

- 15 . Loosen the 2 lower arm bolts.

 Mark the position of the bolts in relation to the chassis brackets.

- 16 . Disconnect the shock absorber and spring assembly from the lower arm.


 Remove the nut and bolt.

- 17 . Remove the lower arm.


## Installation

### All vehicles

- 1 . Install the lower arm.

 Fit the bolts but do not fully tighten at this stage.

- 2 . Connect the shock absorber and spring assembly to the lower arm.

 Tighten the nut and bolt to 300 Nm (221 lb.ft).

3 . Release the halfshaft.

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**CAUTION: The lower arm ball joint can be damaged by excessive articulation. The wheel knuckle must be fully supported at all times. Do not allow the wheel knuckle to hang on the lower arm. Failure to follow this instruction will result in damage to vehicle.**

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

5 . Connect the upper arm and wheel knuckle.



Install a new nut and tighten to 70 Nm (52 lb.ft).

## Vehicles without Active Stabilization

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**CAUTION: Make sure the hardened steel washer is installed between the stabilizer bar link and the stabilizer bar. Failure to follow this instruction may result in damage to the vehicle.**



**CAUTION: Use a Torx socket to prevent the ball joint rotating whilst installing the nut.**

Secure the stabilizer bar link.



Install a new nut and tighten to 175 Nm (129 lb.ft).

## Vehicles with Active Stabilization

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**CAUTION: Make sure the hardened steel washer is installed between the stabilizer bar link and the stabilizer bar. Failure to follow this instruction may result in damage to the vehicle.**



**CAUTION: Use a Torx socket to prevent the ball joint rotating whilst installing the nut.**

Secure the stabilizer bar link.



Install a new nut and tighten to 175 Nm (129 lb.ft).

## All vehicles

8 . Connect the tie-rod end ball joint.



Install a new nut and tighten to 70 Nm (52 lb.ft).


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

10 . Secure the brake hose retaining bracket to the wheel knuckle.




Tighten the bolt to 22 Nm (16 lb.ft).

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


 Stake the nut to the halfshaft.

12 . Set the height distance, between the center of the halfshaft end and the edge of the fender, to 462 mm (18.19").

13 . Tighten the lower arm bolts to 275 Nm (203 lb.ft).

 Align the bolts to the marks made previously.

14 . Install the wheel and tire.

 Tighten the wheel nuts to 140 Nm (103 lb.ft).

15 . Carry out the wheel alignment procedure.