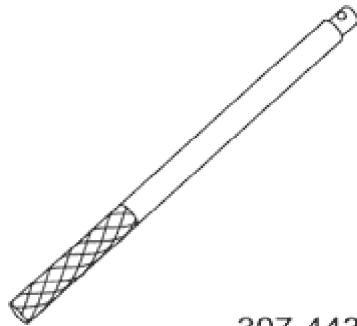


2004 S-TYPE - Rear Drive Halfshafts - 205-05

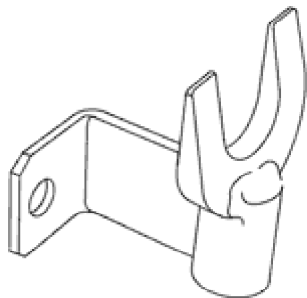
Halfshaft 47.10.13

Special Service tools



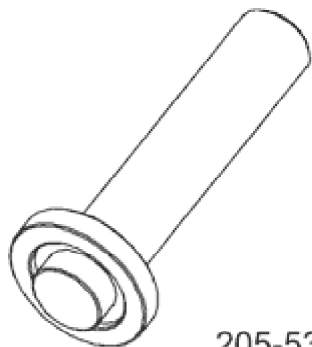
307-443

Halfshaft splitter handle
307-443



307-442

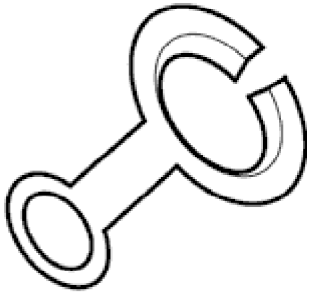
Halfshaft splitter
307-442



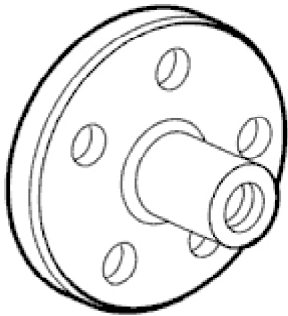
205-532

Halfshaft oil seal installer
205-532

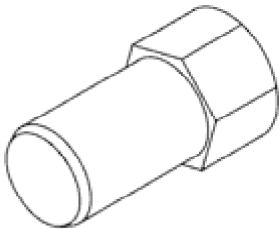
2004 S-TYPE - Rear Drive Halfshafts - 205-05



205-461
Halfshaft seal protector
205-461

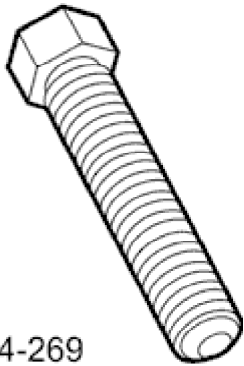


205-491
Hub puller
205-491



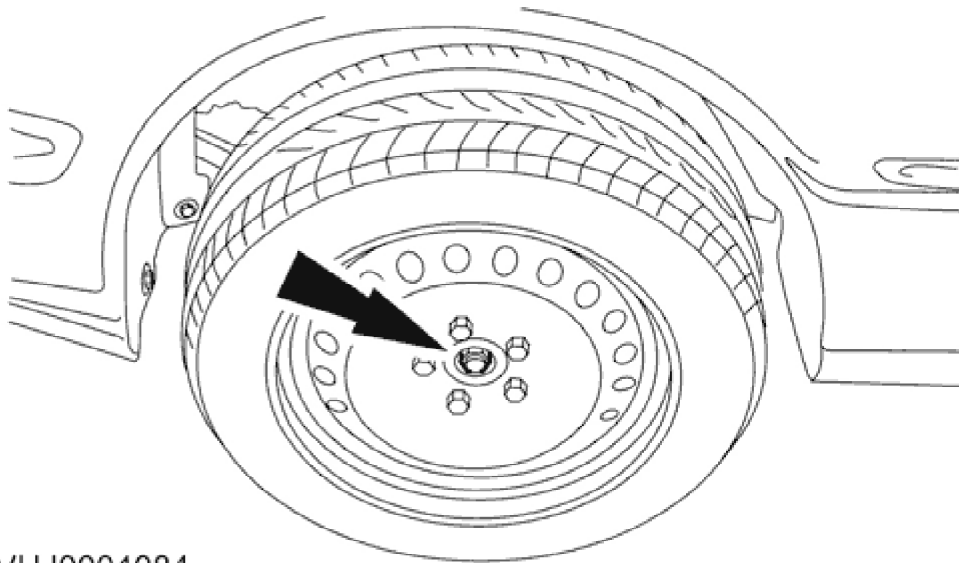
20549101
Adaptor nuts
205-491-01

2004 S-TYPE - Rear Drive Halfshafts - 205-05



204-269
Flange remover forcing screw
204-269

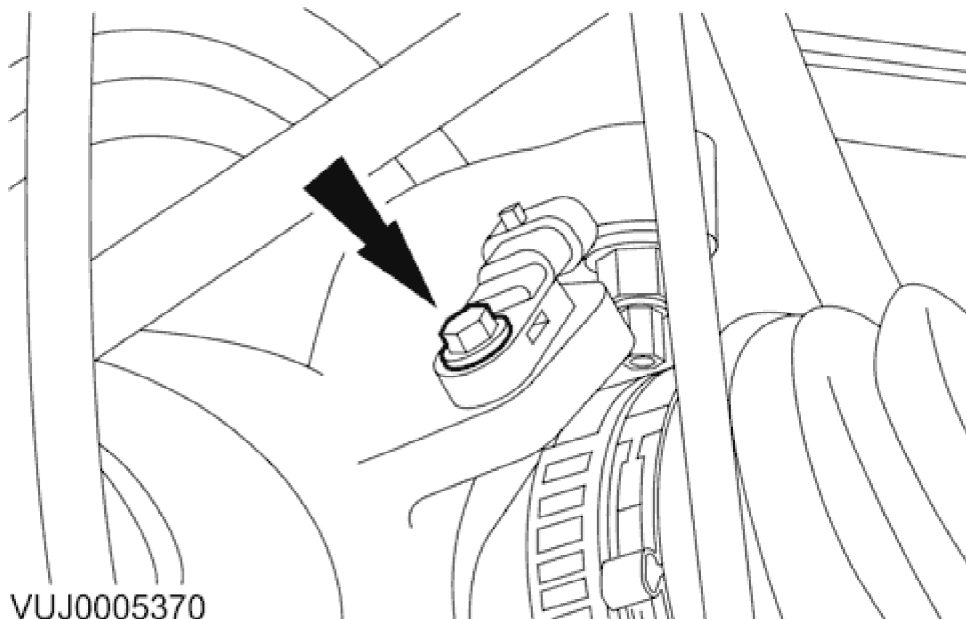
Removal



VUJ0004084

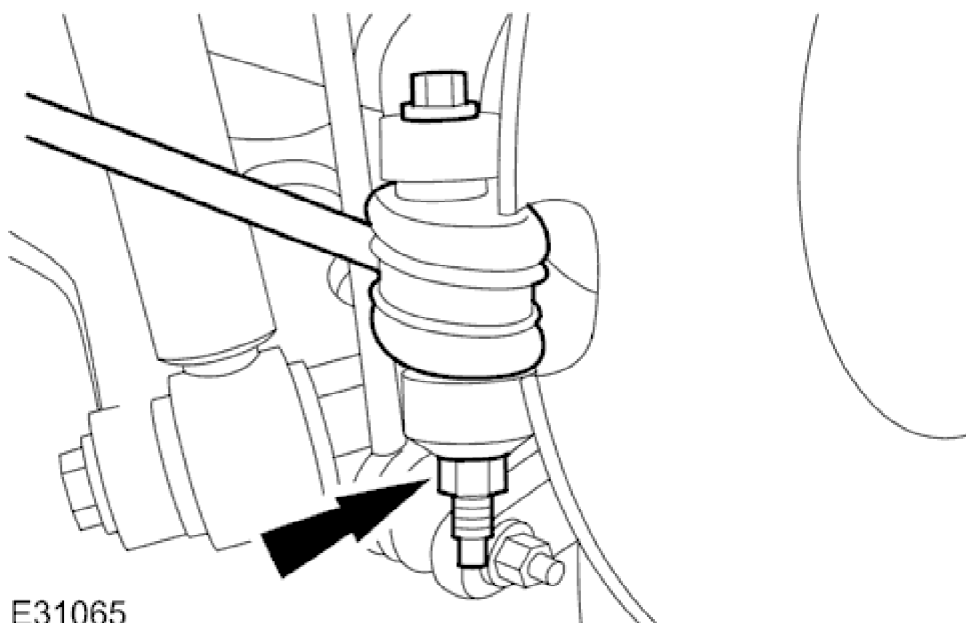
1. Loosen the wheel hub nut.
2. Remove the brake disc. <<206-04>>

2004 S-TYPE - Rear Drive Halfshafts - 205-05



VUJ0005370

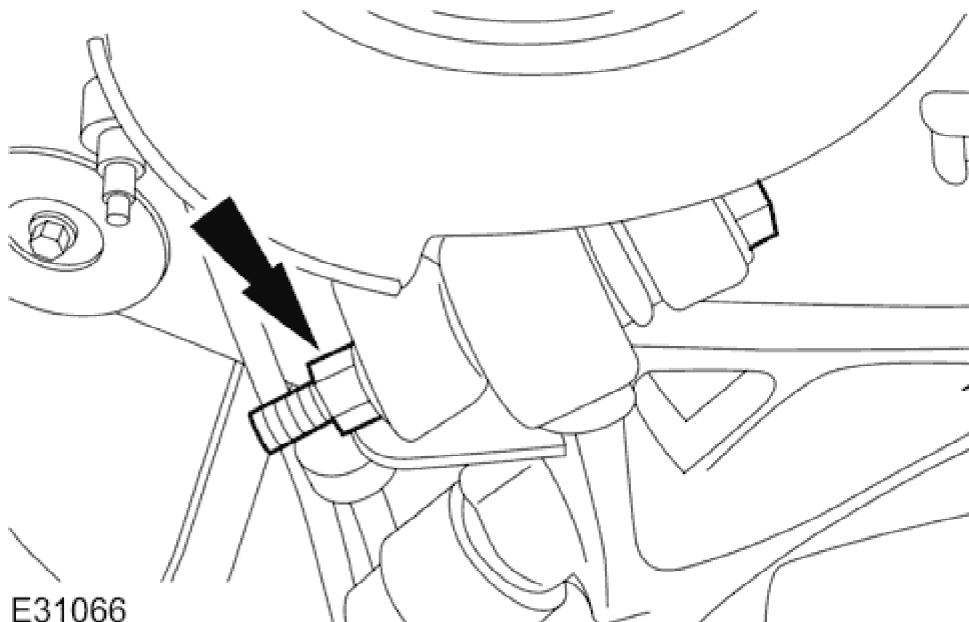
3. Detach the anti-lock brake system (ABS) sensor.



E31065

4. Detach the outer tie rod.

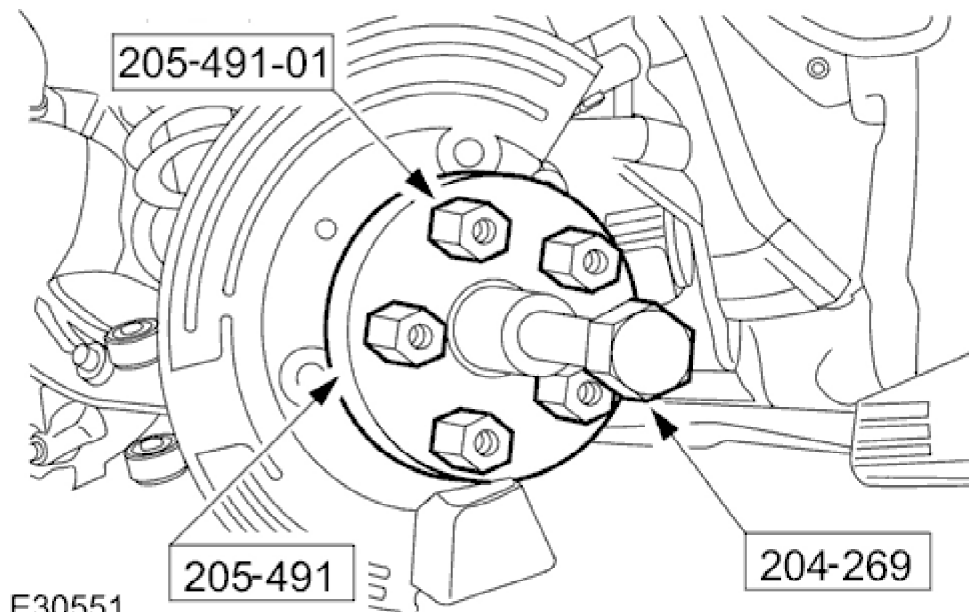
2004 S-TYPE - Rear Drive Halfshafts - 205-05



E31066

5. Detach the lower arm from the wheel knuckle.

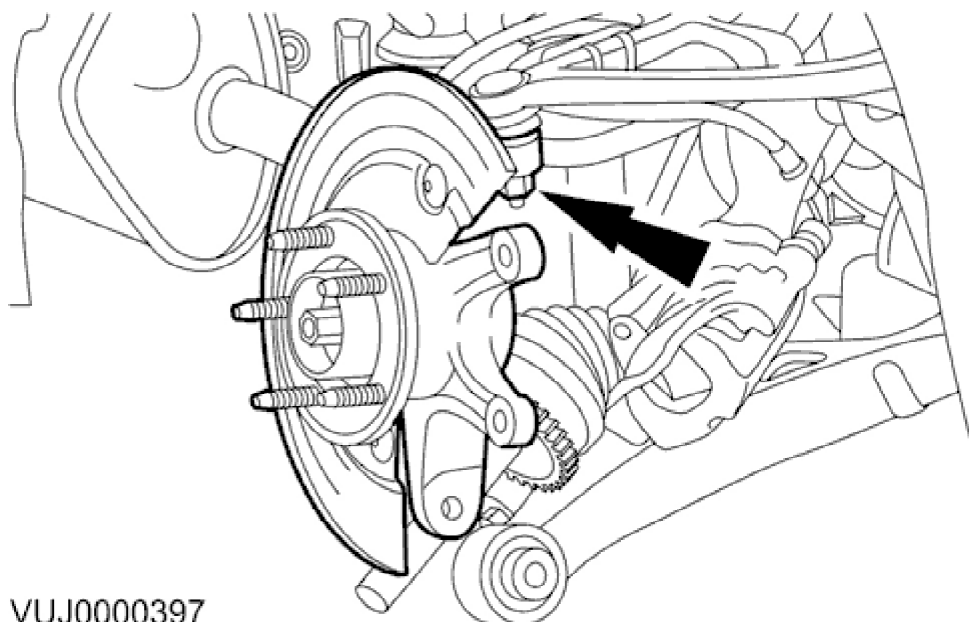
6. Remove the wheel hub nut.



E30551

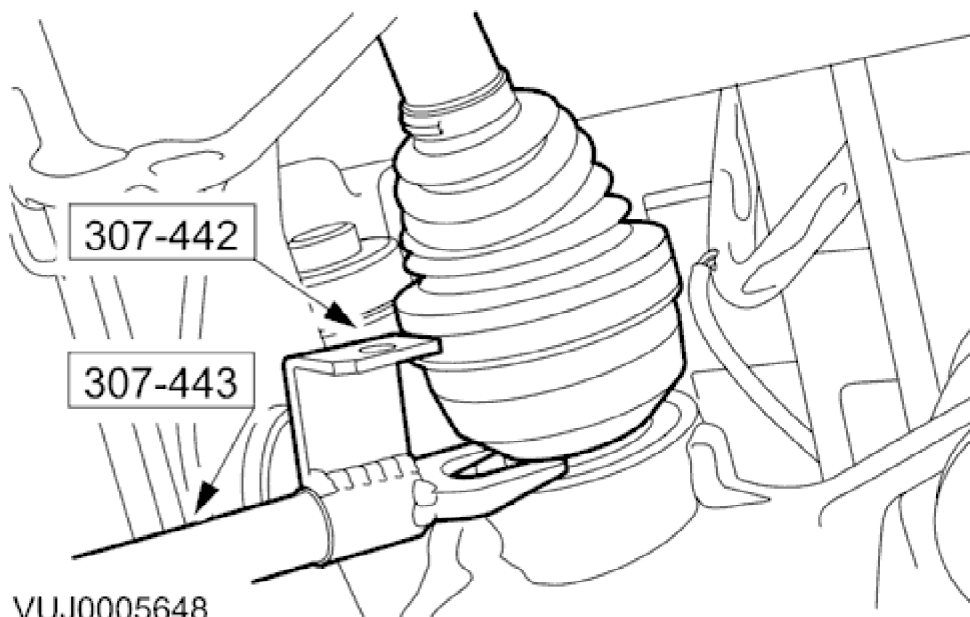
7. Using the special tools, detach the halfshaft.

2004 S-TYPE - Rear Drive Halfshafts - 205-05




VUJ0000397

8. Remove the wheel knuckle assembly.



VUJ0005648

9.  **CAUTION:**
To avoid damage to the halfshaft constant velocity (CV) joints and boots, do not allow the CV joints to exceed 18 degrees of travel.

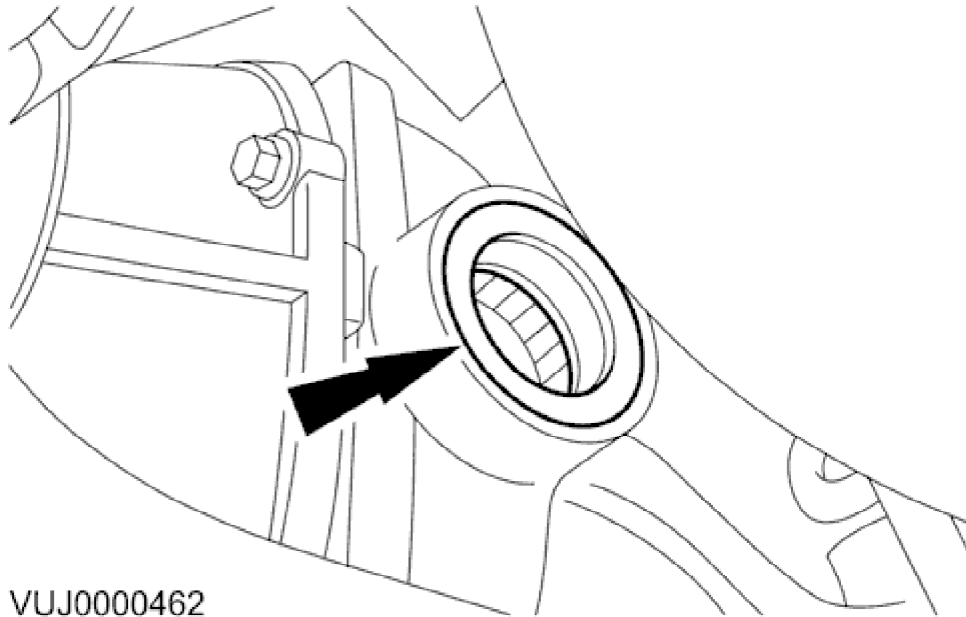
NOTE:

The halfshaft is retained in the axle assembly by a retaining clip.

Using the special tools, remove the halfshaft.

- Remove and discard the retaining clip.

2004 S-TYPE - Rear Drive Halfshafts - 205-05



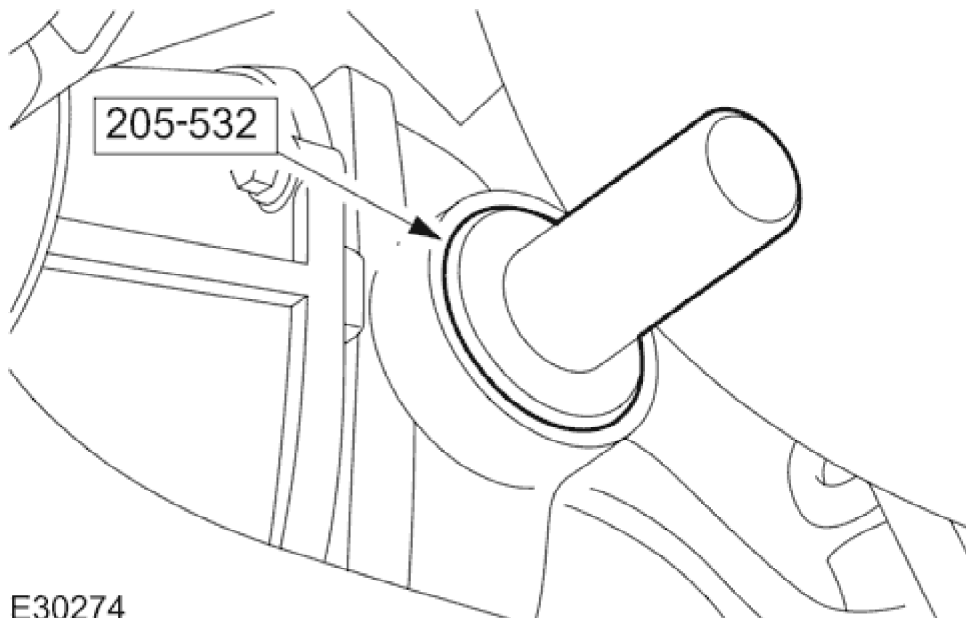
VUJ0000462

10. Remove the halfshaft seal.

Installation 

CAUTION:

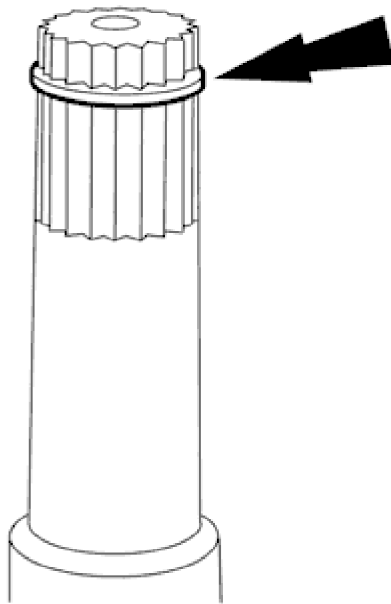
The final tightening of the rear suspension components must be carried out with the vehicle on its wheels.



E30274

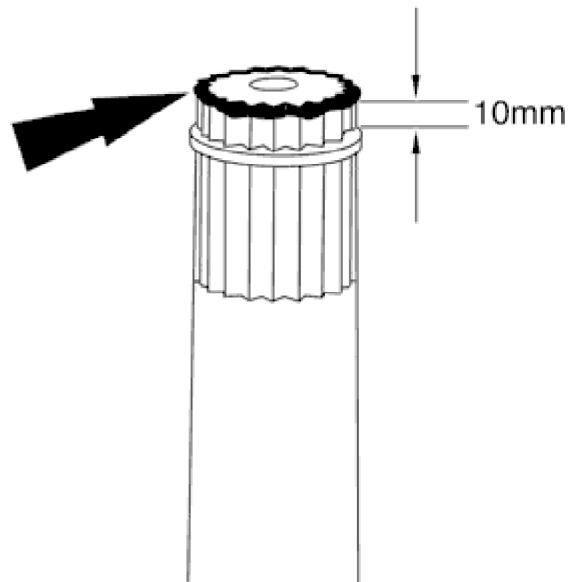
1. Using the special tool, install the halfshaft seal.

2004 S-TYPE - Rear Drive Halfshafts - 205-05



A0000438

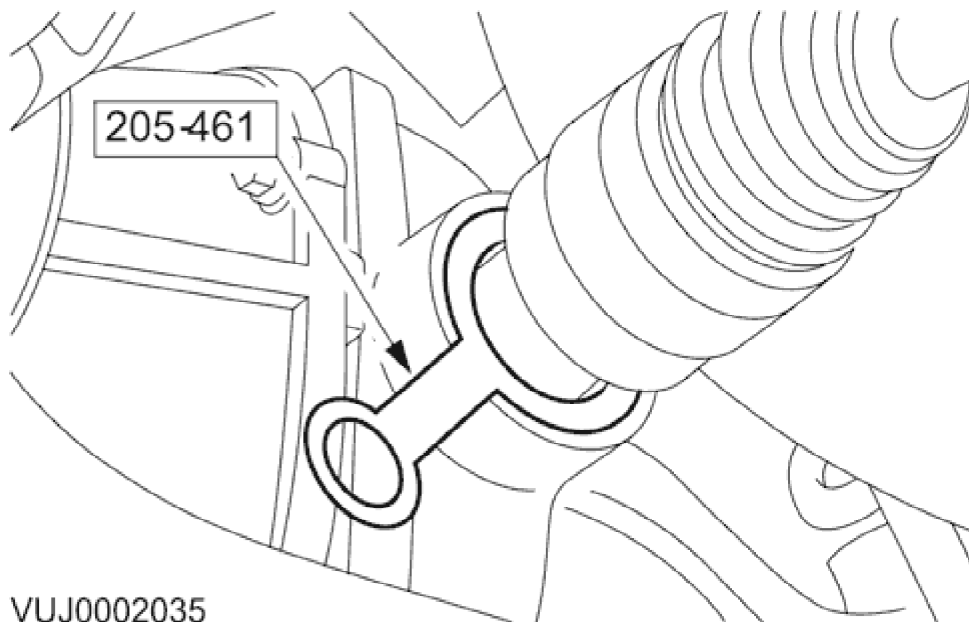
2. Install a new retaining clip.




E38645


3. Apply a 3mm diameter bead of loctite WSK-M2G349-A4 or equivalent meeting Jaguar specification to the halfshaft splines.

2004 S-TYPE - Rear Drive Halfshafts - 205-05



VUJ0002035

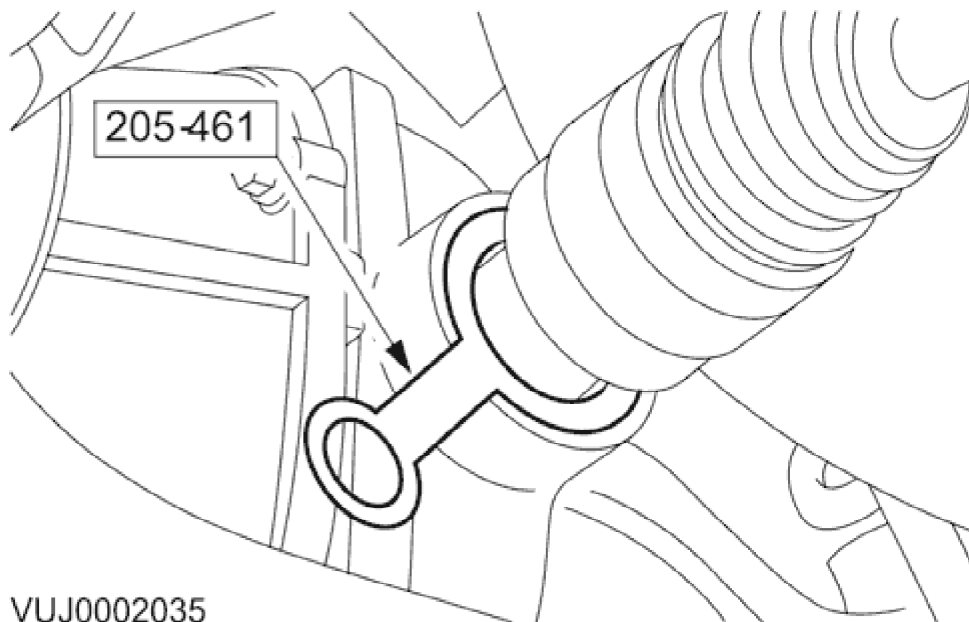
4.  **CAUTION:**
Do not damage the axle shaft seal.

 **CAUTION:**
To avoid damage to the halfshaft CV joints and boots, do not allow the CV joints to exceed 18 degrees of travel.

NOTE:
Do not fully engage the halfshaft into the axle assembly.

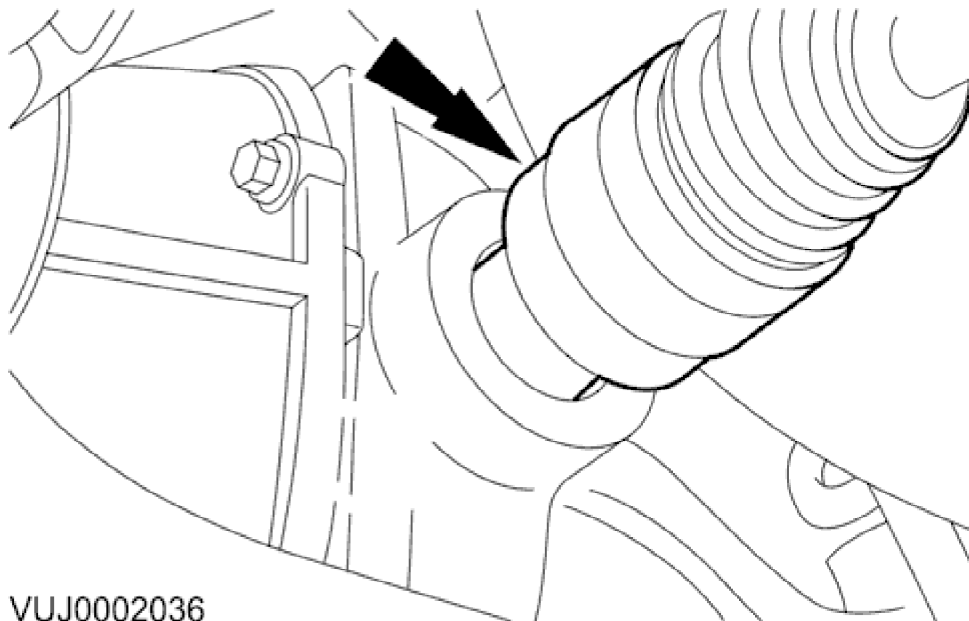
Using the special tool, attach the halfshaft.

2004 S-TYPE - Rear Drive Halfshafts - 205-05




VUJ0002035

5. Remove the special tool.



VUJ0002036

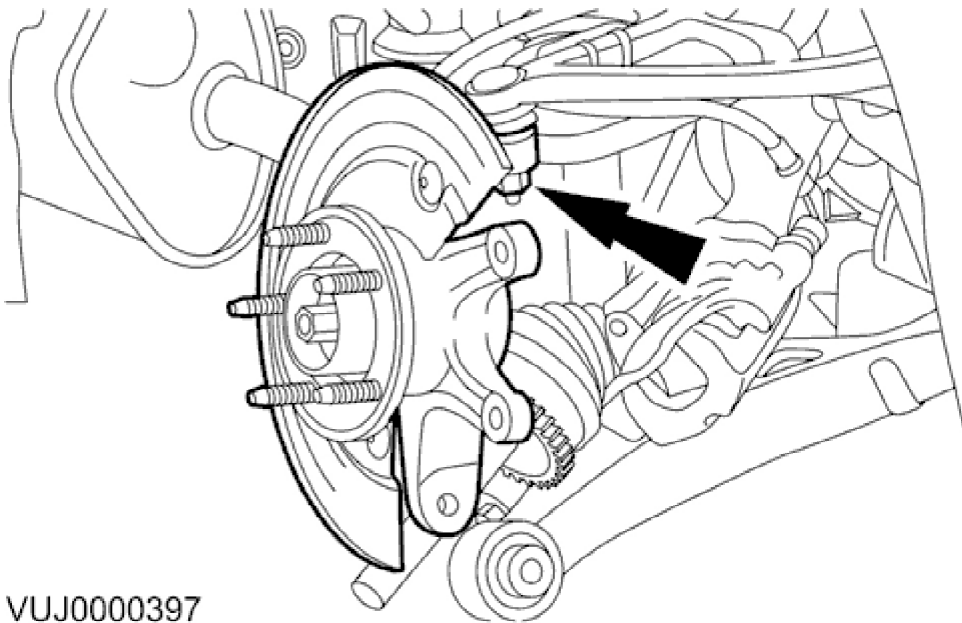
6.  **CAUTION:**
To avoid damage to the halfshaft CV joints and boots, do not allow the CV joints to exceed 18 degrees of travel.

NOTE:
Make sure the retaining clip is correctly seated.

Install the halfshaft.

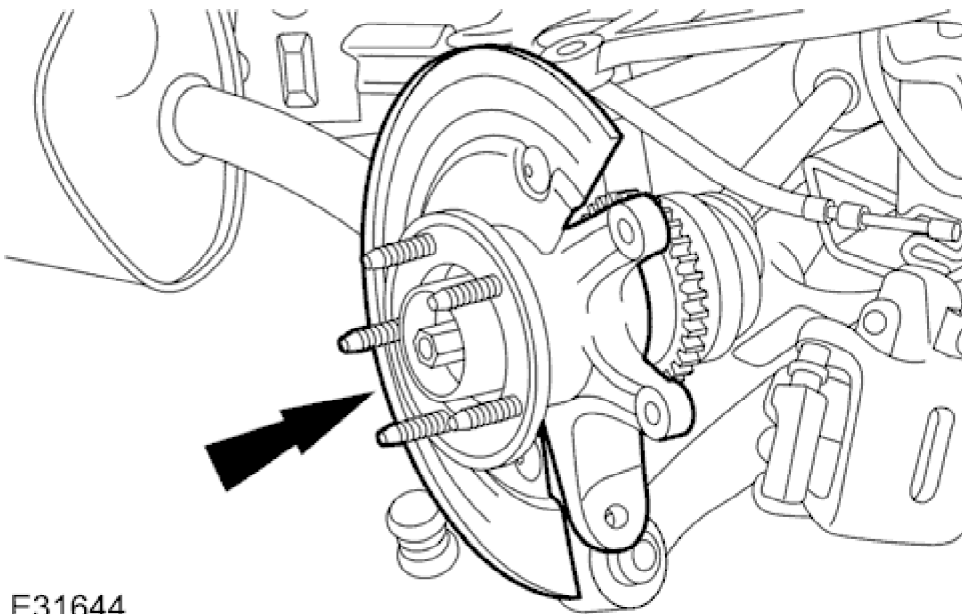
2004 S-TYPE - Rear Drive Halfshafts - 205-05

7. Check and top up the axle assembly fluid level.



VUJ0000397

8. Install the wheel knuckle assembly.



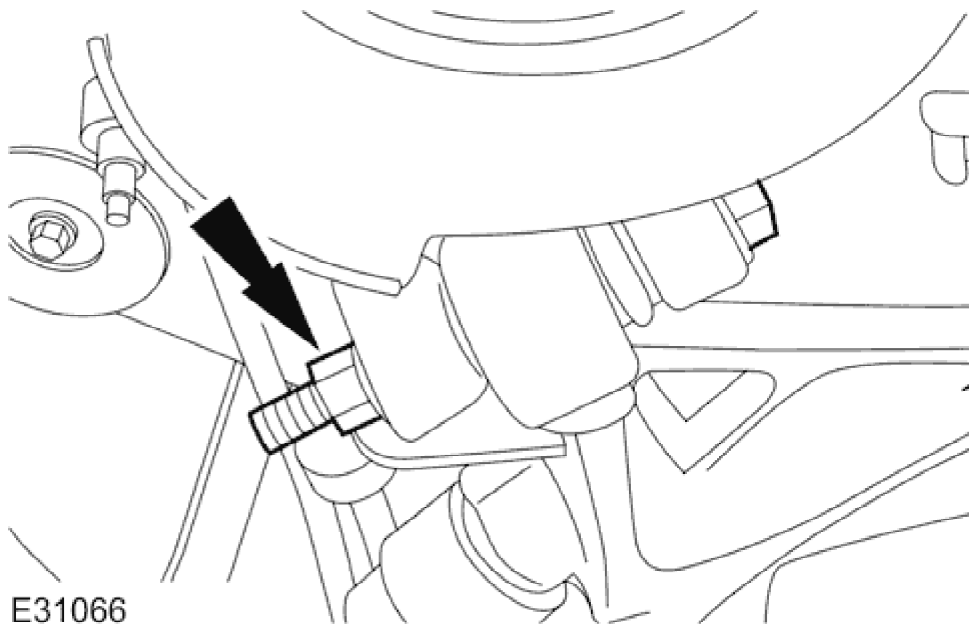
E31644

9. **NOTE:**

Using the old wheel nut, tighten to 150 Nm.

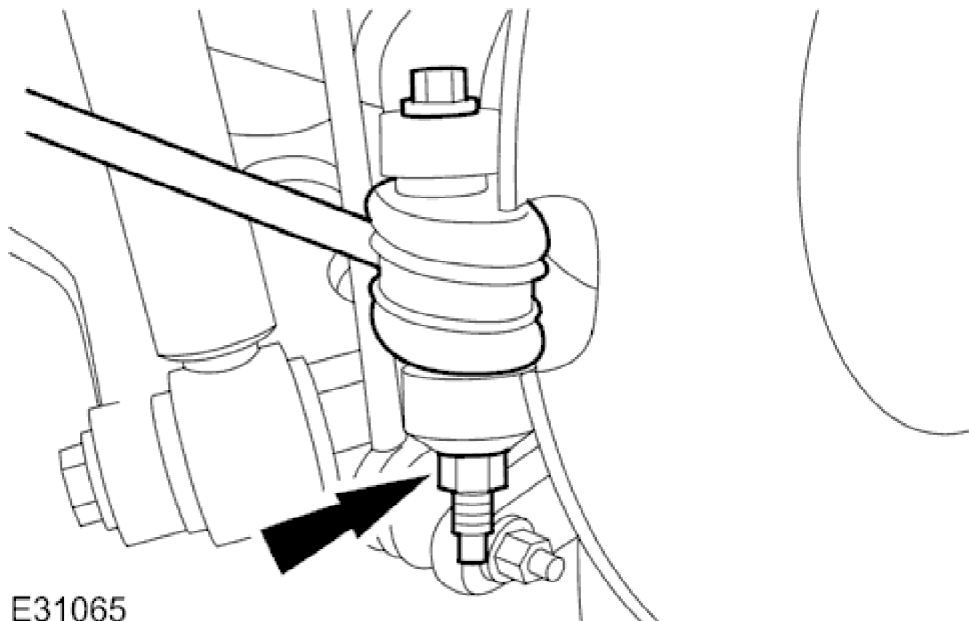
Attach the wheel knuckle to the halfshaft.

2004 S-TYPE - Rear Drive Halfshafts - 205-05



E31066

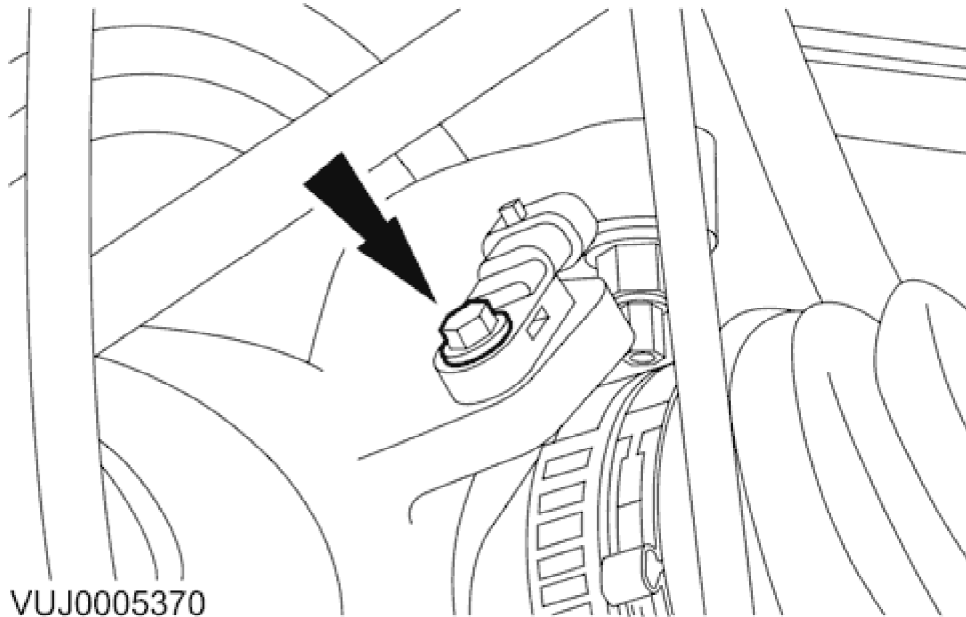
10. Install the lower arm to the wheel knuckle.



E31065

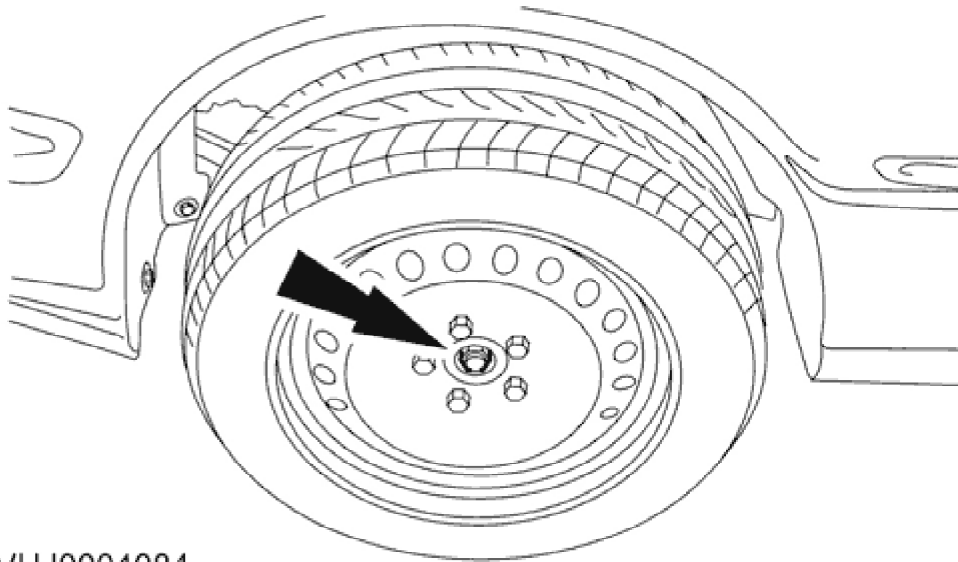
11. Install the outer tie rod retaining nut.

2004 S-TYPE - Rear Drive Halfshafts - 205-05



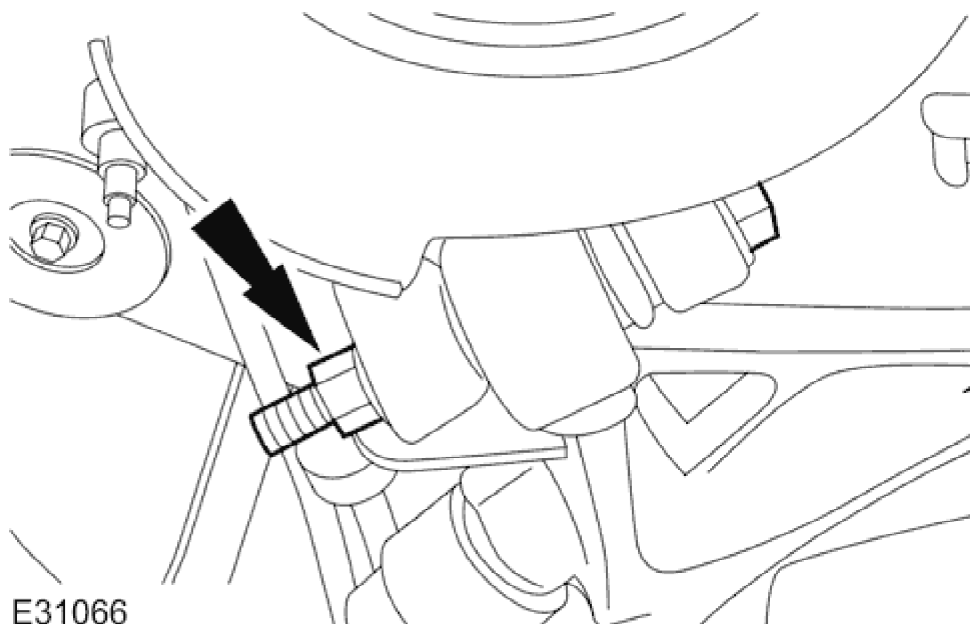
12. Install the ABS sensor.
 - Tighten to 9 Nm.

13. Install the brake disc. <<206-04>>




14. Remove and discard the old wheel hub nut, install a new wheel hub nut.
 - Tighten to 300 Nm.

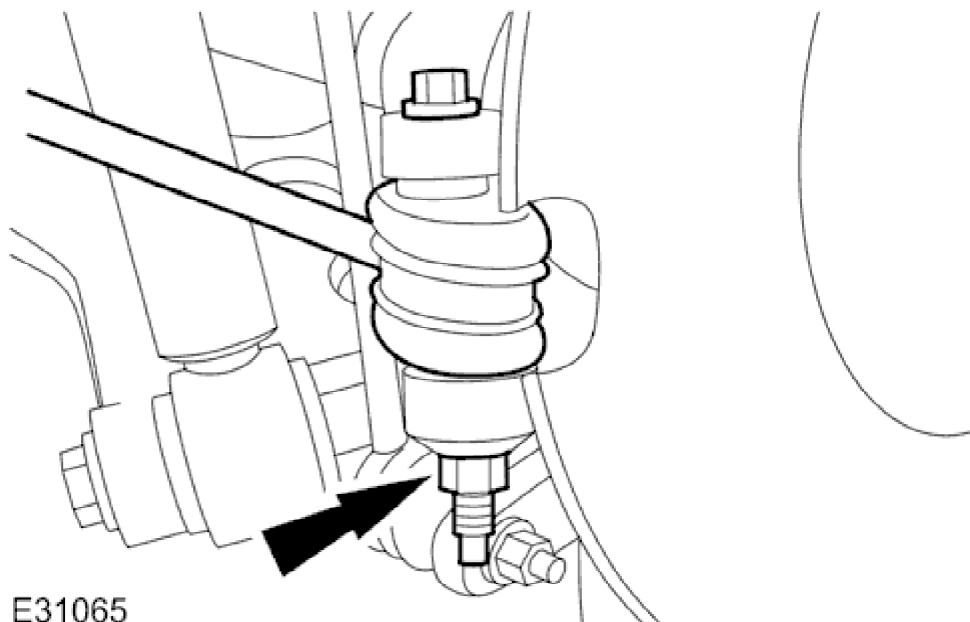
2004 S-TYPE - Rear Drive Halfshafts - 205-05




E31066

15.  **CAUTION:**
The final tightening of the rear suspension components must be carried out with the vehicle on its wheels.

Tighten to 150 Nm.



E31065

16.  **CAUTION:**
The final tightening of the rear suspension components must be carried out with the vehicle on its wheels.

Tighten to 55 Nm.