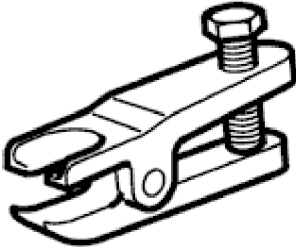


2000 XK RANGE - Front Suspension - 204-01

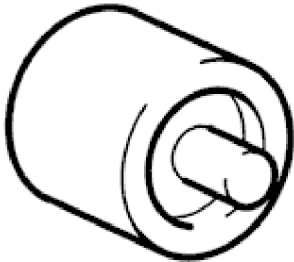
Lower Arm Bushing 60.35.45

Special Service tools



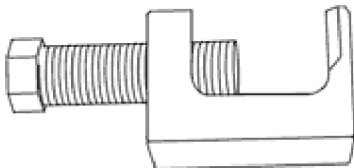
E36397

Ball Joint Taper Separator
204-192 (JD 219)



E36421

Lower Wishbone - Bush Remover
204-214 (JD 244)



E31837

Ball joint splitter
204-293

Removal

1.  **CAUTION:**
Replacement of nuts and bolts: Various thread-locking devices are used on nuts and bolts

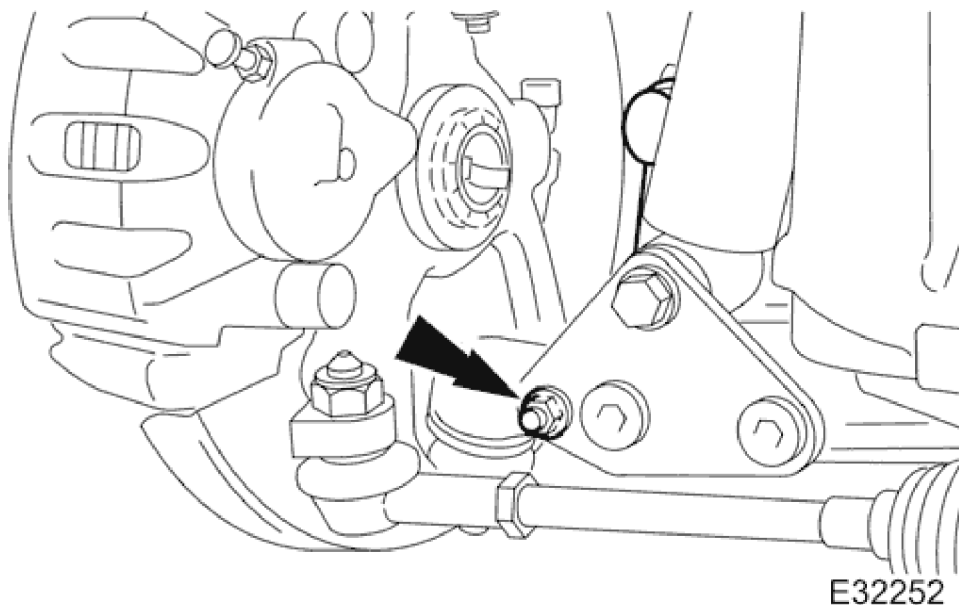
2000 XK RANGE - Front Suspension - 204-01

throughout the vehicle. These devices restrict the number of times a nut or bolt can be used. See section <<100-00>> for information.

Open engine compartment and fit paintwork protection covers to fenders.

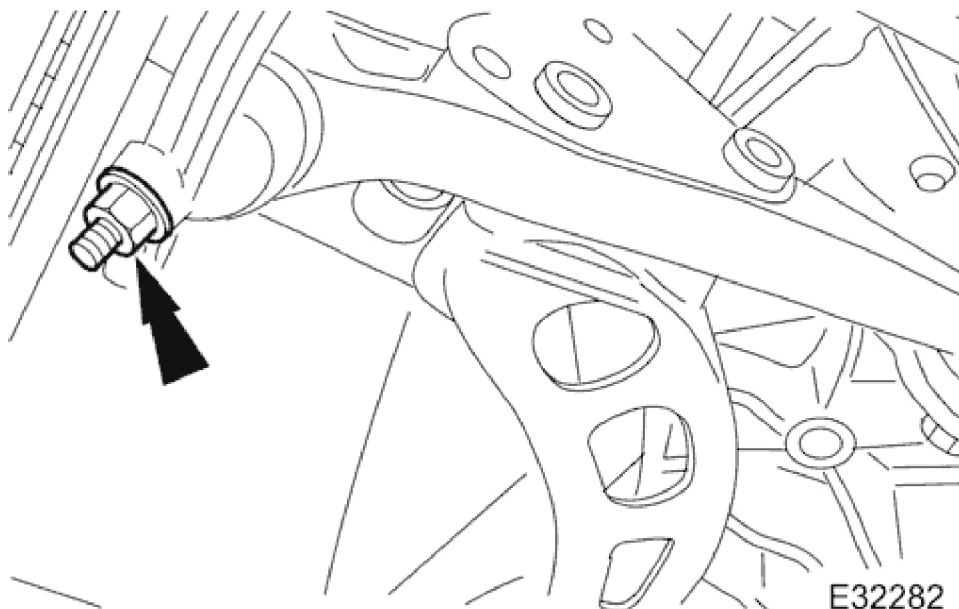
2. Raise front of vehicle and support on stands. Refer to section <<100-02>>.


3. Remove front wheel. Refer to section <<204-04>>.



4. Release stabilizer-bar link from lower wishbone.

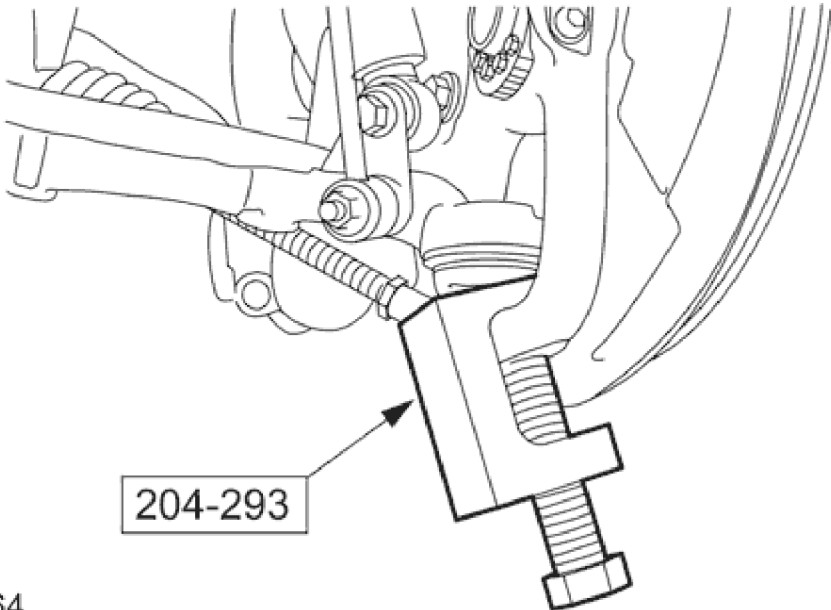
- Remove nut and bolt.



5.  **CAUTION:**
Do not allow the weight of the vertical link to hang on the upper ball-joint. Support the weight of the vertical link through-out the procedure, to prevent damage to the upper ball-joint.

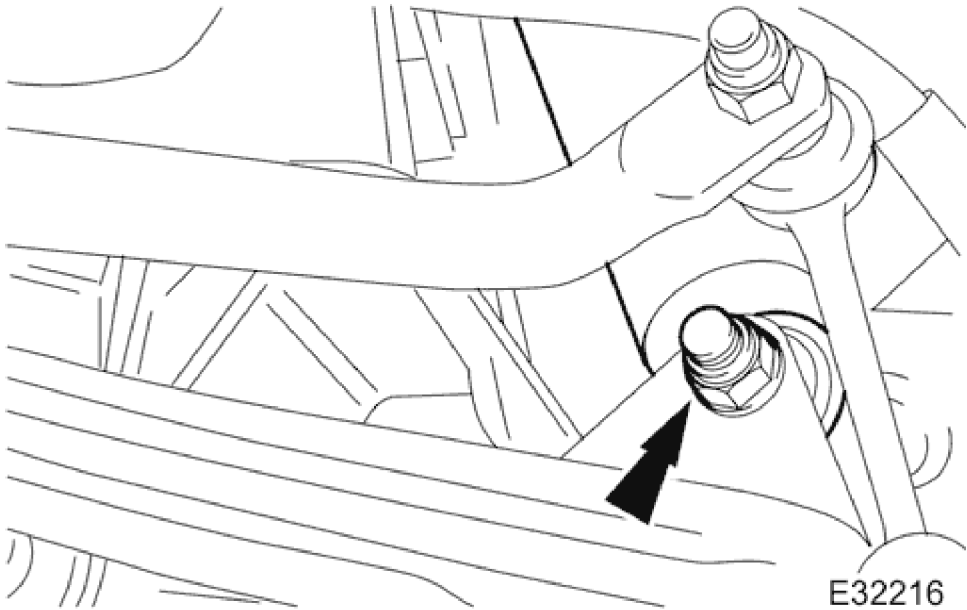
2000 XK RANGE - Front Suspension - 204-01

Remove nut from lower ball joint.



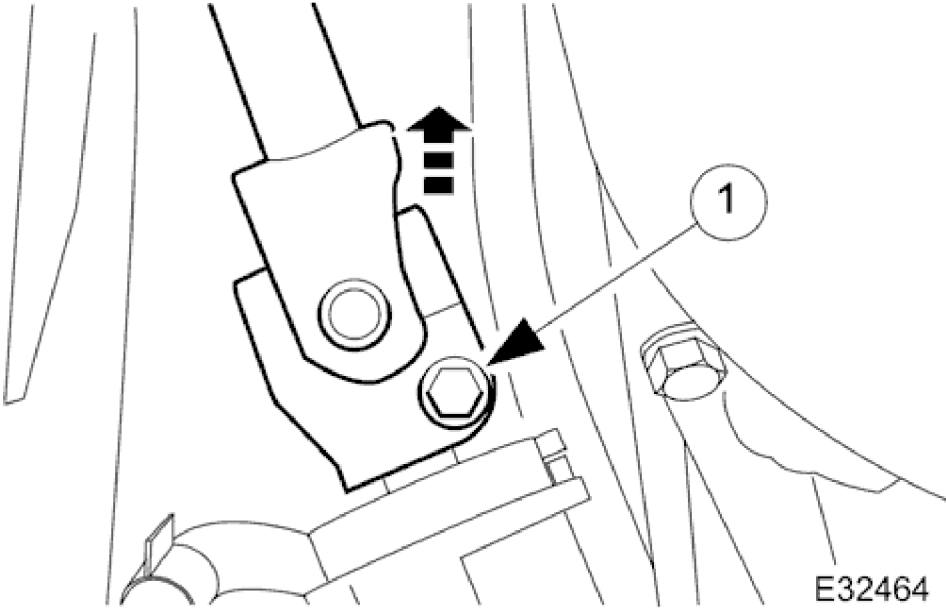
E33564

- 6. Release lower ball joint from vertical link.
 - 1. Fit special tool to ball joint.
 - 2. Tighten tool bolt to release ball joint taper .
 - Remove tool and release ball joint from vertical link.

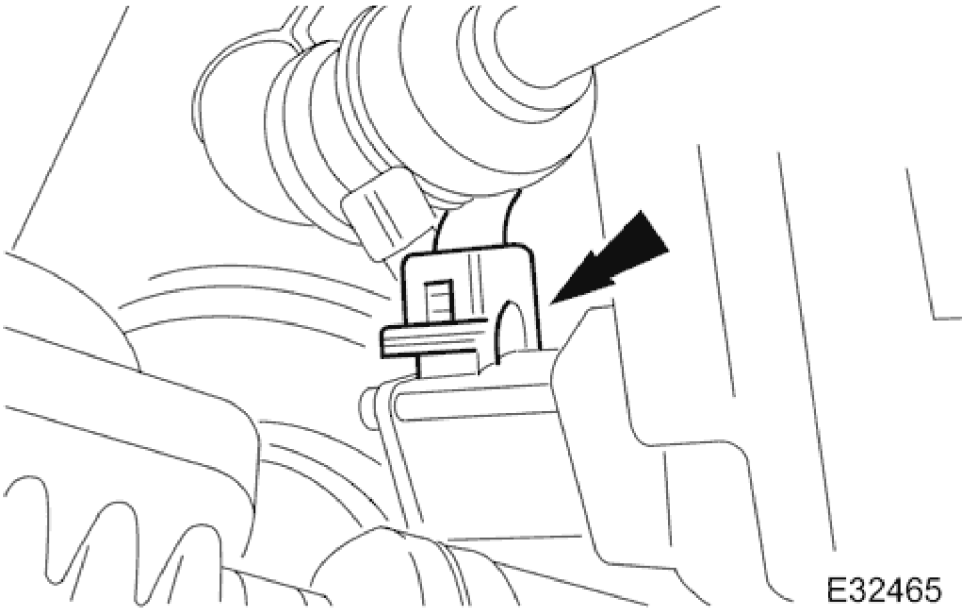


- 7. Release shock absorber from lower mounting.
 - Remove nut and bolt.

2000 XK RANGE - Front Suspension - 204-01

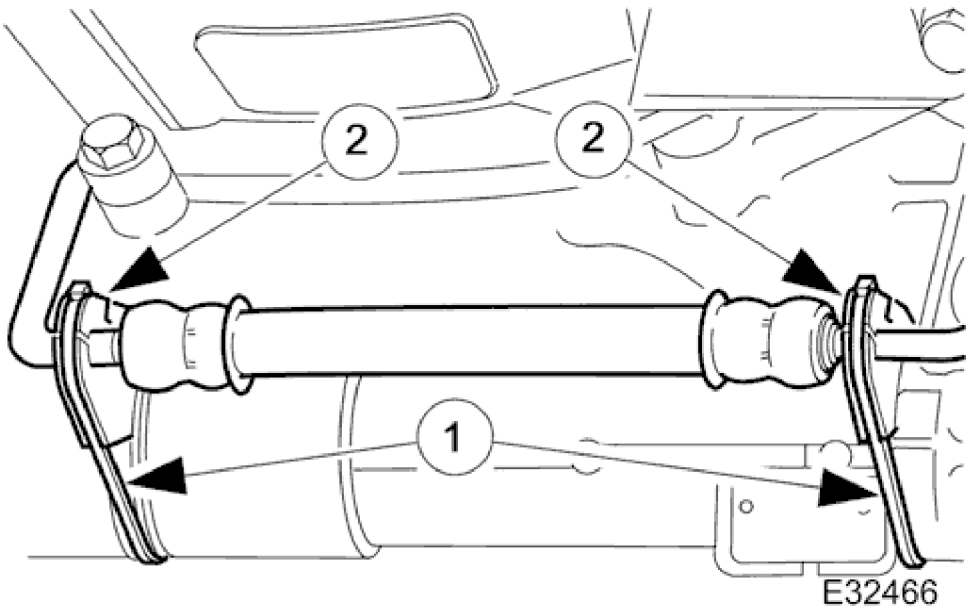


8. Release steering column from pinion shaft.
- 1. Remove clamp bolt.
 - Move column upwards to release.

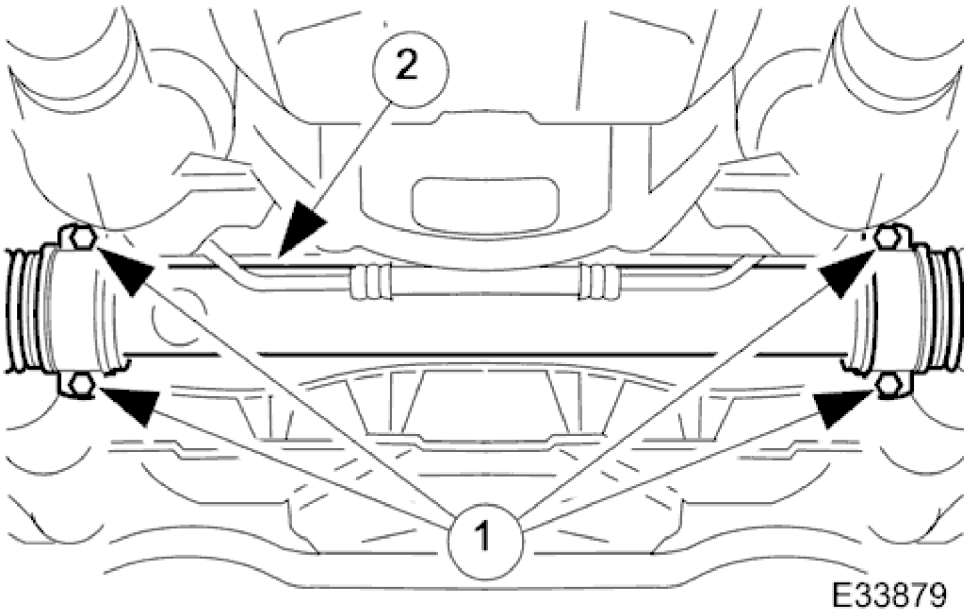


9. Disconnect connector from steering rack transducer.

2000 XK RANGE - Front Suspension - 204-01

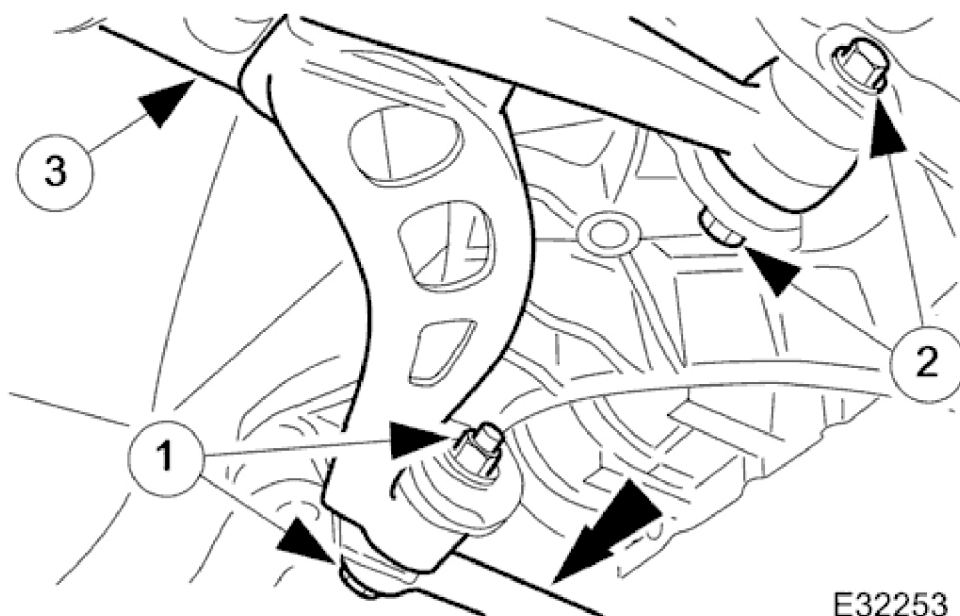


- 10. Release hose from steering rack.
- 1. Remove tie straps.
- 2. Remove insulation rubbers.




- 11.  **CAUTION:**
Do not allow the weight of steering rack to hang on the PAS pipes.

- Lower steering rack.
- 1. Remove bolts from brackets.
- 2. Carefully lower steering rack.

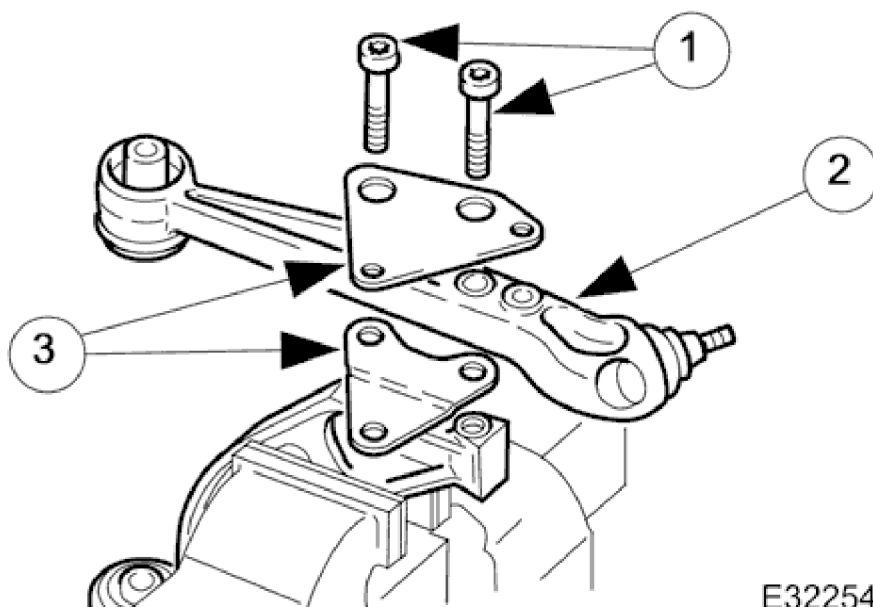


E32253

12.  **CAUTION:**
Note the position of the fulcrum bolts, as some vehicles are fitted with an eccentric bolt to the rear wishbone arm. See General Procedures section <<204-01>> for information.

Remove lower wishbone from crossbeam.

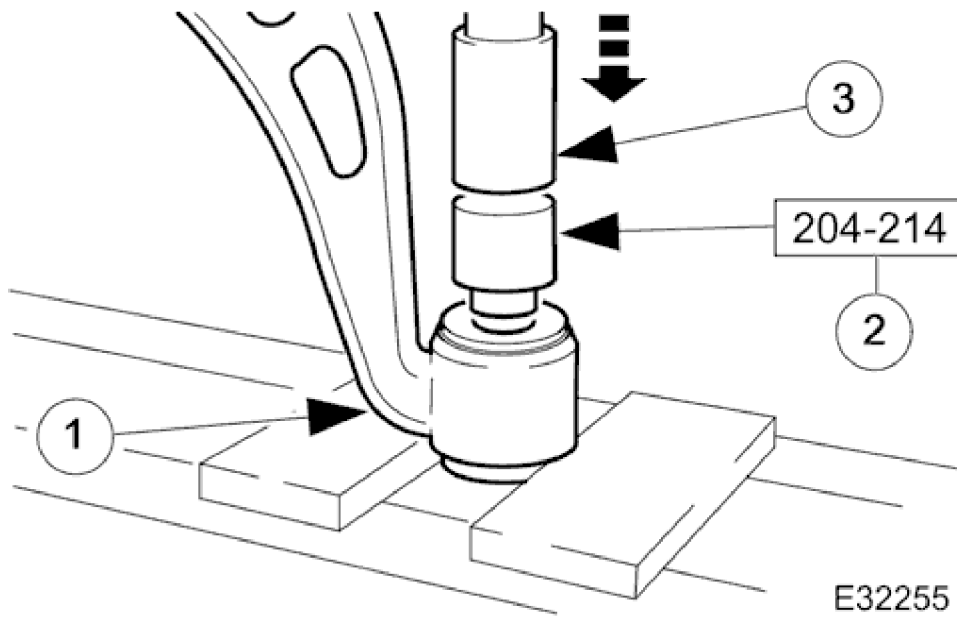
1. Remove nut and bolt from front wishbone and fulcrum tie.
2. Remove nut and bolt from rear wishbone arm.
3. Remove wishbone.



E32254

13. Disassemble lower wishbone.
- Position wishbone in a vice, with the front arm clamped in the jaws.
 1. Remove bolts.
 2. Remove rear arm.
 3. Collect shock absorber mounting-brackets.
 - Remove front arm from vice.

2000 XK RANGE - Front Suspension - 204-01

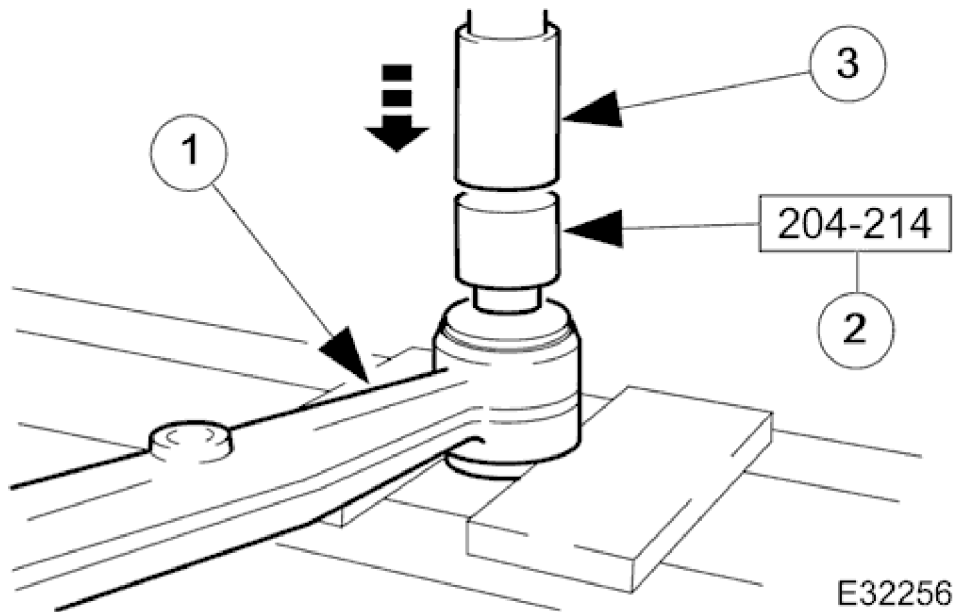


14. NOTE:

For assembly reference, note orientation of bush.

Using a hydraulic press, remove bush from front wishbone arm.

1. Position arm on suitable supports on press bed.
2. Position special tool on top of bush.
3. Operate press to remove bush from arm. Initial press action will cause tool to shear through bush flange.



15. NOTE:

For assembly reference, note orientation of bush.

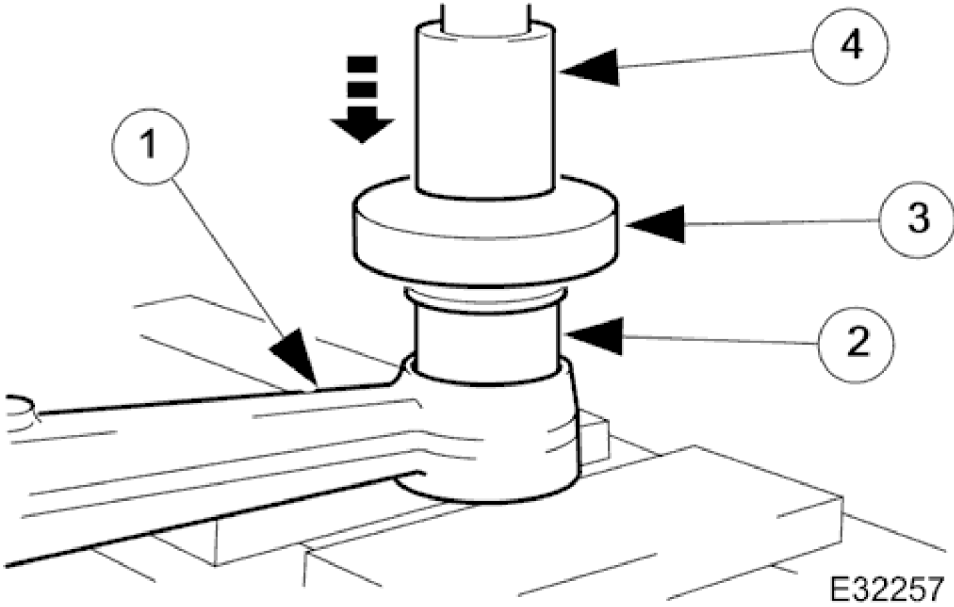
Using a hydraulic press, remove bush from rear wishbone arm.

1. Position arm on suitable supports on press bed.
2. Position special tool on top of bush.
3. Operate press to remove bush from arm. Initial press action will cause tool to shear through bush flange.

2000 XK RANGE - Front Suspension - 204-01

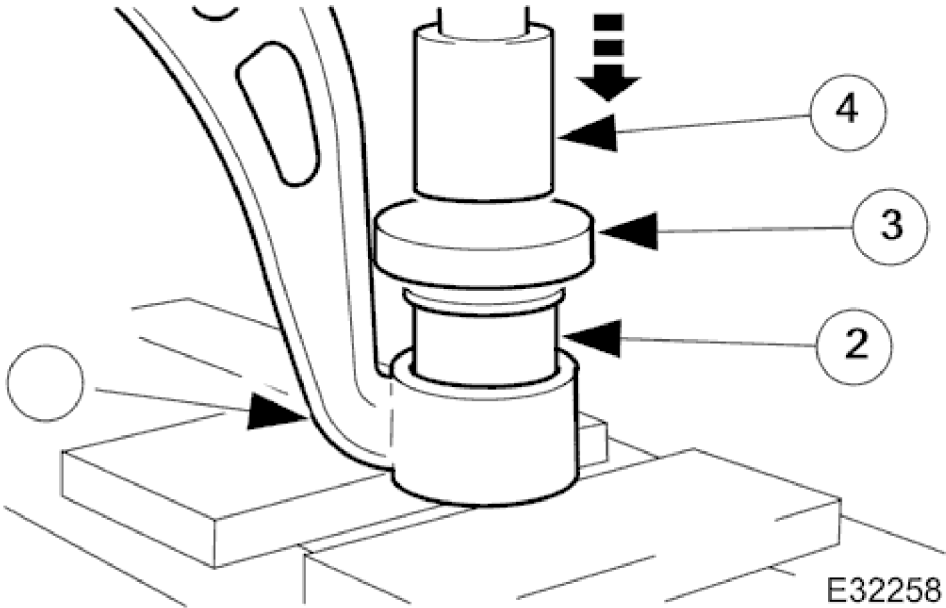
Installation  CAUTION:

The front and rear wishbone bushes are different lengths, make sure the bushes are fitted to the correct arms.



1. **NOTE:**
Fit bush into arm in the same orientation as noted in the removal section.

- Using a hydraulic press, fit bush into rear wishbone arm.
1. Position arm on suitable supports on press bed.
 2. Align bush to arm.
 3. Position suitable flat steel plate on top of bush.
 4. Operate press to fit bush into arm.

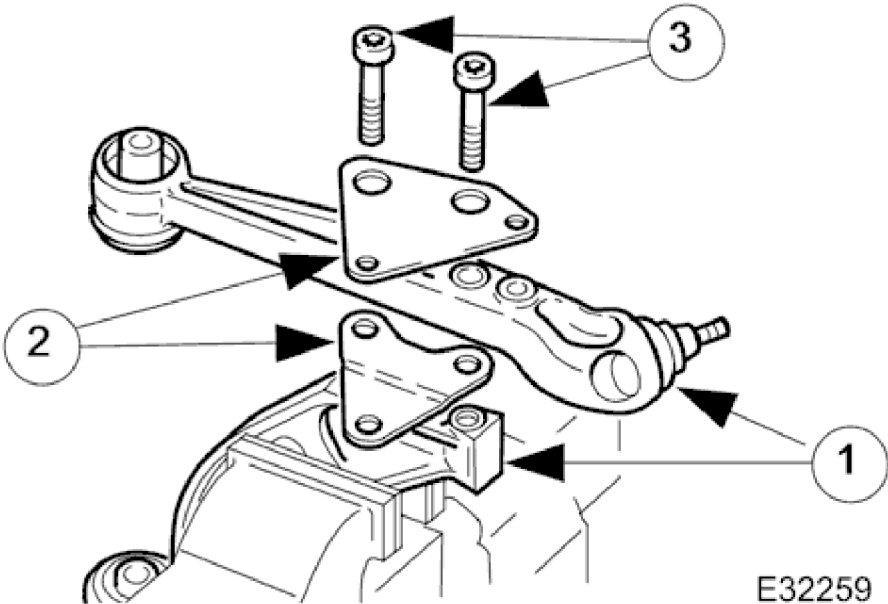


2. **NOTE:**
Fit bush into arm in the same orientation as noted in the removal section.

2000 XK RANGE - Front Suspension - 204-01

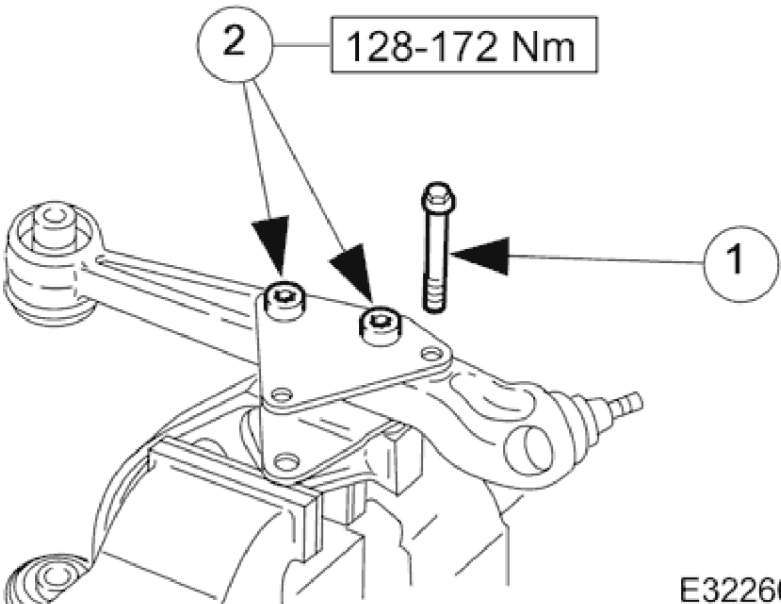
Using a hydraulic press, fit bush into front wishbone arm.

1. Position arm on suitable supports on press bed.
2. Align bush to arm.
3. Position a suitable flat steel plate on top of bush.
4. Operate press to fit bush into arm.



3. Assemble lower wishbone.

- Clamp front wishbone arm in a vice.
 1. Align rear arm to front arm.
 2. Align shock absorber mounting-brackets to arms.
 3. Fit bolts: DO NOT tighten bolts at this stage.

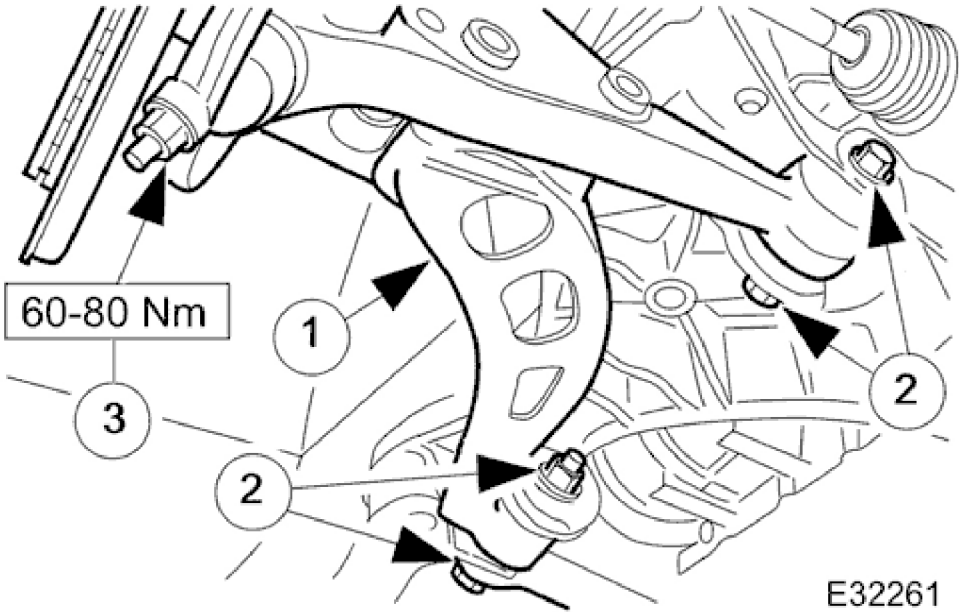


4. Align wishbone arms and tighten bolts.

1. Temporarily fit link bolt to align shock absorber mounting-brackets.
 2. Tighten bolts.
- Remove link bolt.

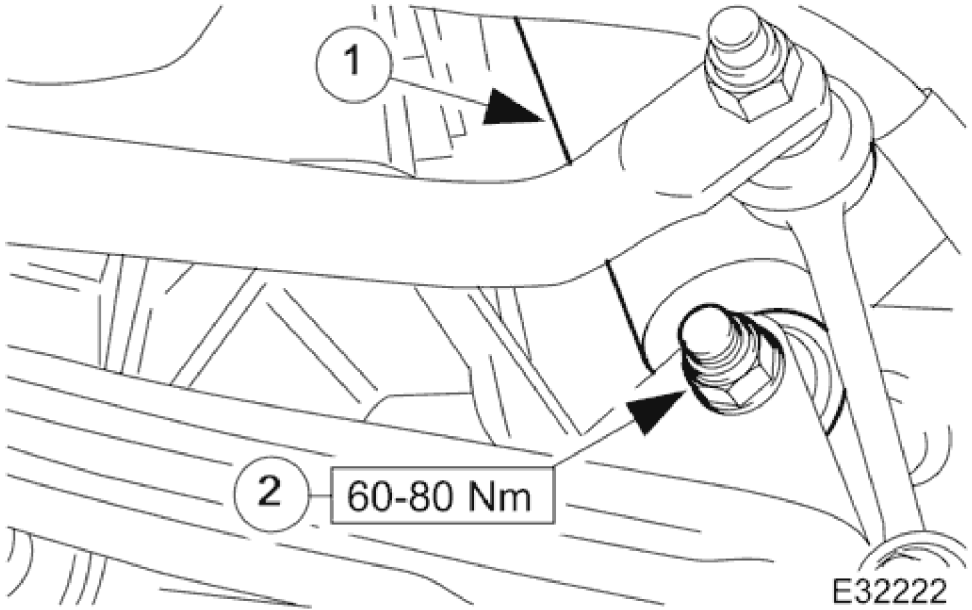
2000 XK RANGE - Front Suspension - 204-01

5. Remove wishbone from vice.



6. Fit wishbone to vehicle.

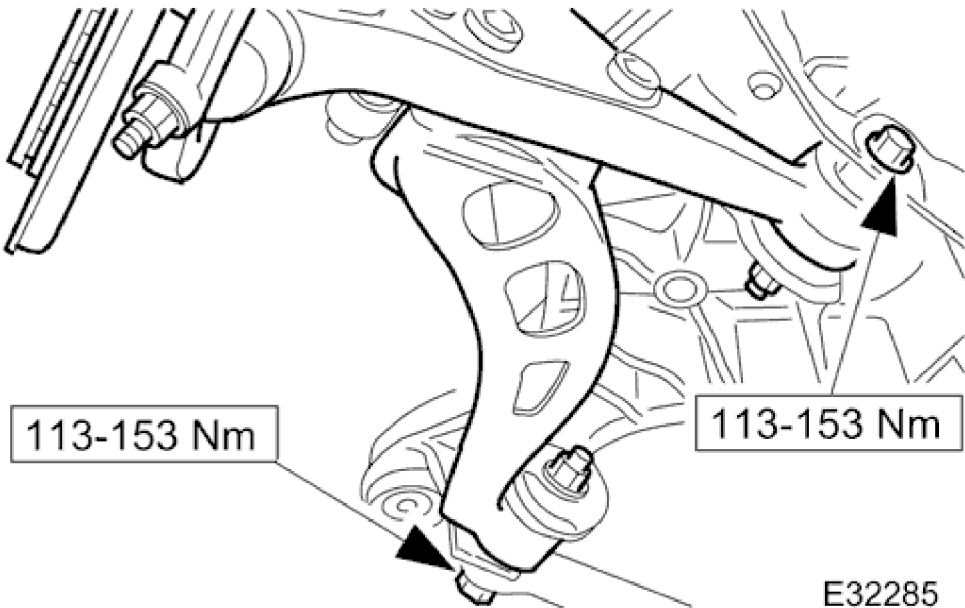
- 1. Position wishbone to crossbeam and insert ball joint pin into vertical link.
- 2. Fit front and rear fulcrum bolts and nuts: DO NOT tighten at this stage.
- 3. Fit and tighten ball-joint nut.




7. Fit shock absorber to lower mounting bracket.

- Align shock absorber to mounting bracket and fit bolt.
- Fit and tighten nut.

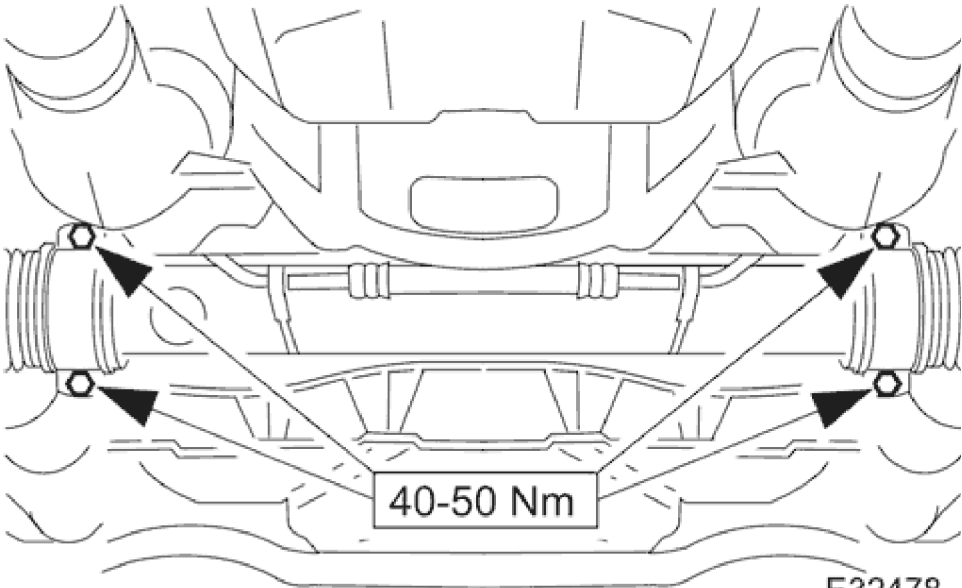
2000 XK RANGE - Front Suspension - 204-01



E32285

8.  **CAUTION:**
Make sure the fulcrum bolts are fitted in their original positions as noted in removal.

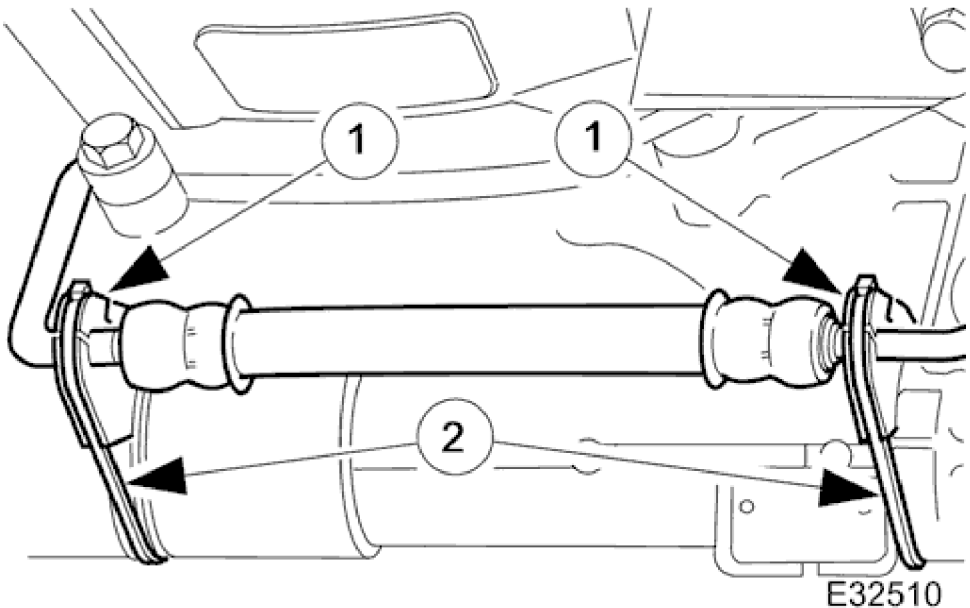
Tighten lower wishbone fulcrum bolts.



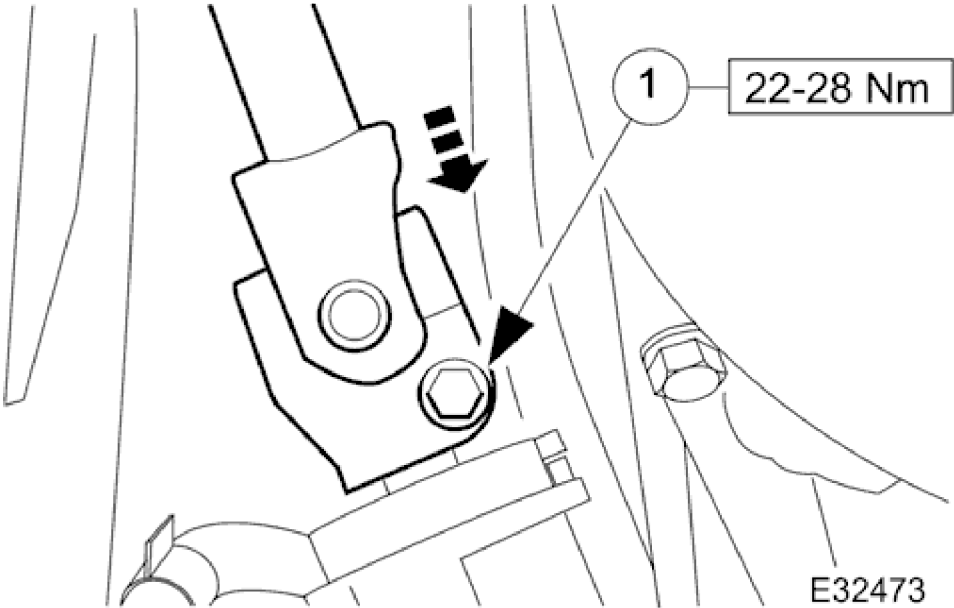
E32478

9. Fit steering rack.
• Align steering rack to vehicle.
• Fit and tighten bolts.

2000 XK RANGE - Front Suspension - 204-01



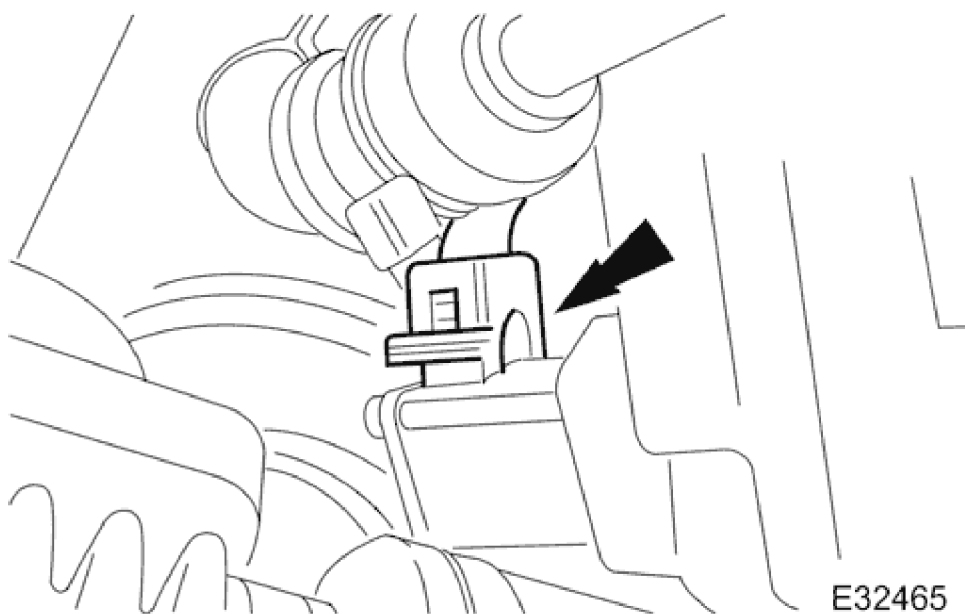
- 10. Secure hose to steering rack.
 - 1. Fit insulation rubbers.
 - 2. Secure hose to steering rack with tie straps.



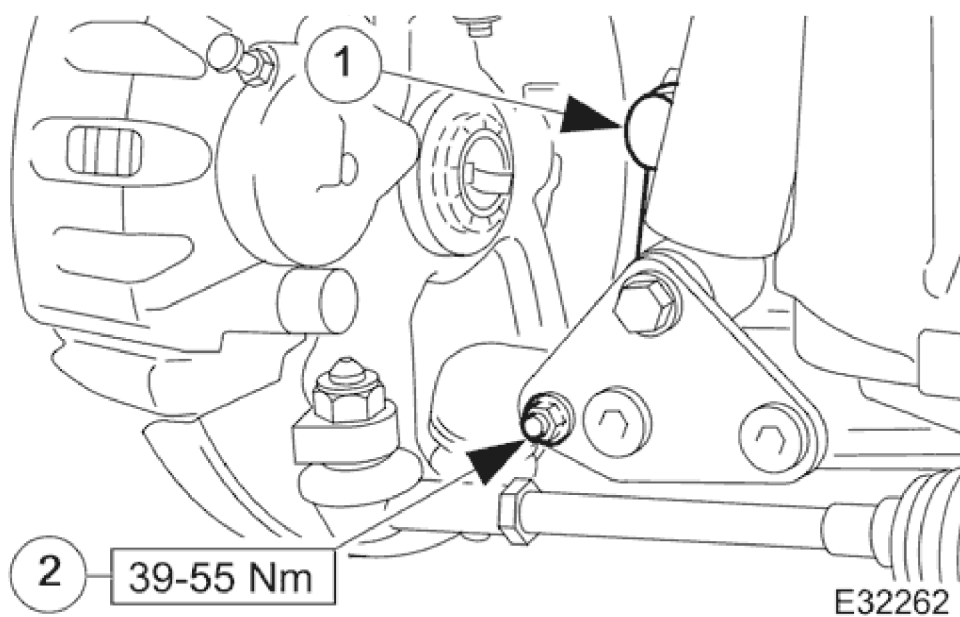
11. **NOTE:**
Make sure steering wheel and road wheels are in the central position before fitting the steering column.

- Fit steering column to pinion shaft.
 - Move column downwards onto pinion shaft.
 - 1. Fit and tighten clamp bolt.

2000 XK RANGE - Front Suspension - 204-01



12. Connect electrical connector to steering rack transducer.



13. Connect link to lower wishbone.
1. Align link to wishbone and fit bolt.
2. Fit and tighten nut.

14. Fit wheel. Refer to section <<204-04>>.

15. Remove stands and lower vehicle. Refer to section <<100-02>>.

16. Remove paintwork protection covers.

17. Check front suspension geometry. Refer to General Procedure <<57.65.02>>.



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