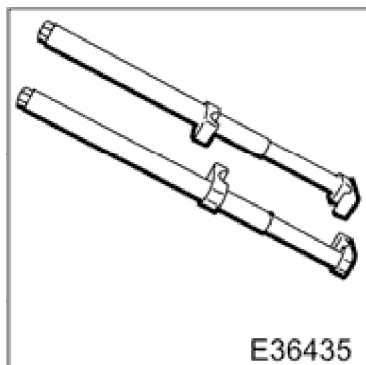


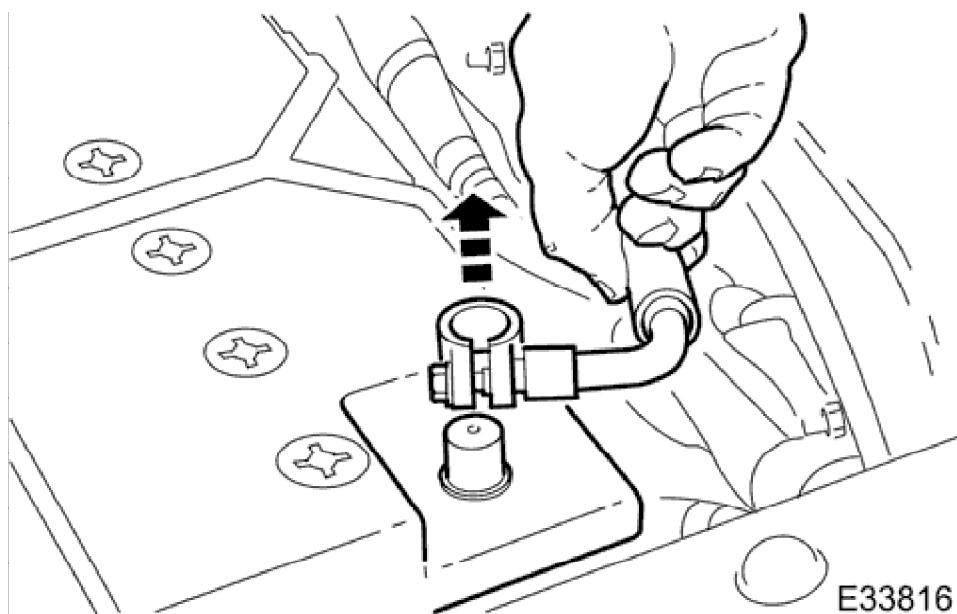
## Axle Assembly 51.25.13

### Special Service tools



Suspension Spring Compressor Tool  
204-179

### Removal

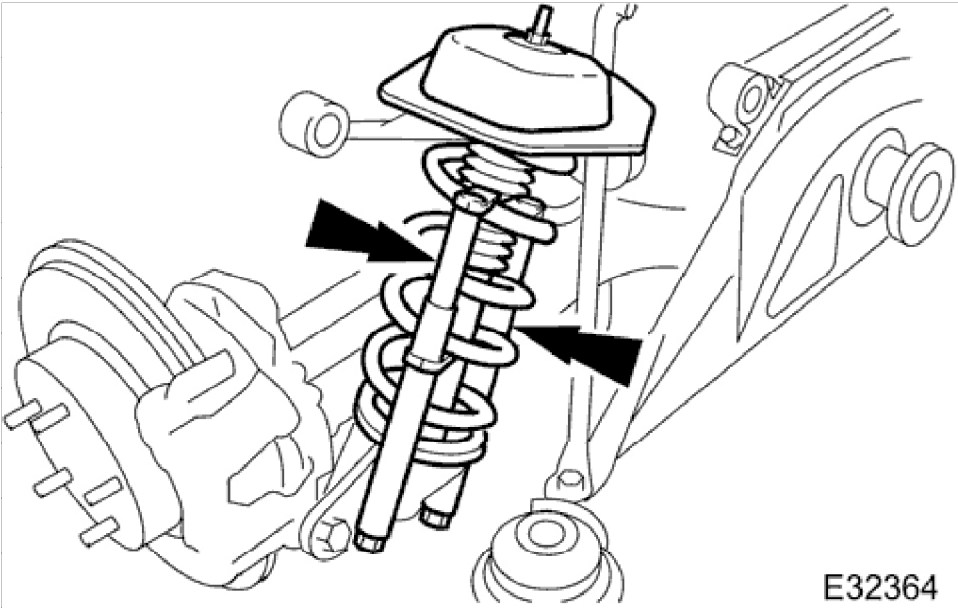


1. Disconnect the battery ground lead
2. Raise the vehicle for access
3. Remove both rear roadwheels
4. Remove the rear suspension assembly, <<51.25.13>>

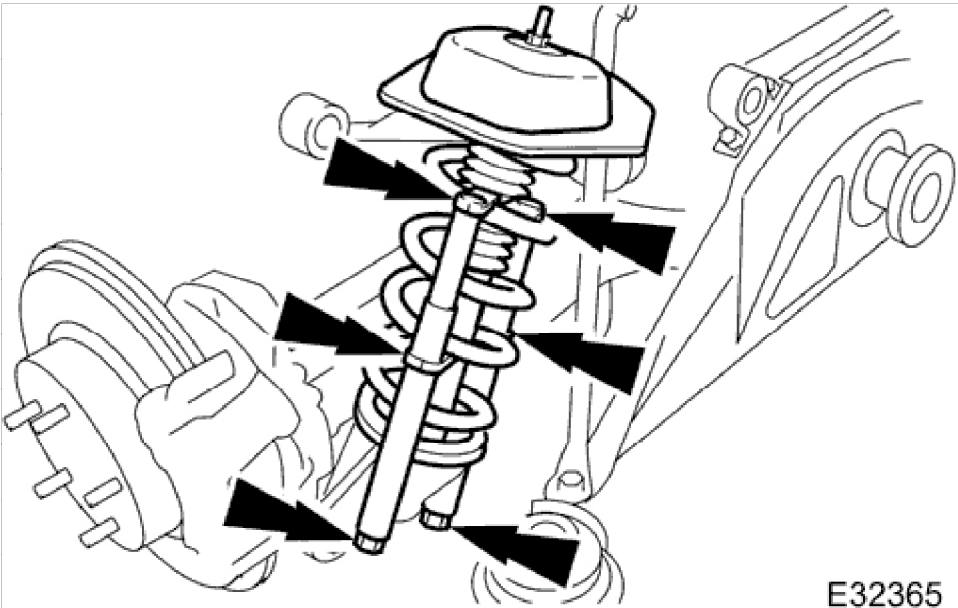
5.  **CAUTION:**  
Do not lift the assembly by the driveshafts, this may cause damage

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Using a suitable hoist, place the assembly onto a workbench

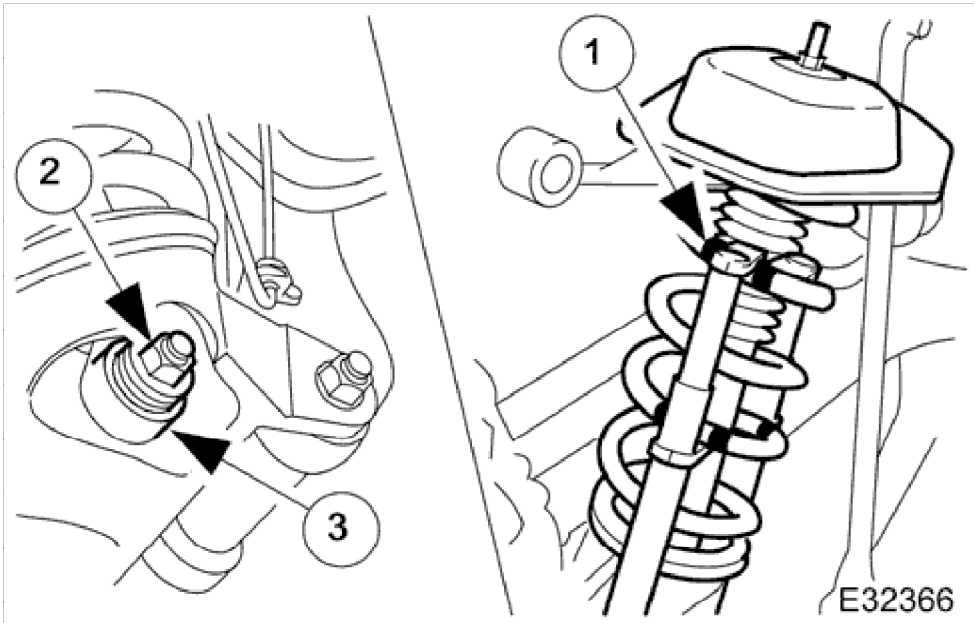


6. Locate the spring compressor 204 - 179 to the RH road spring



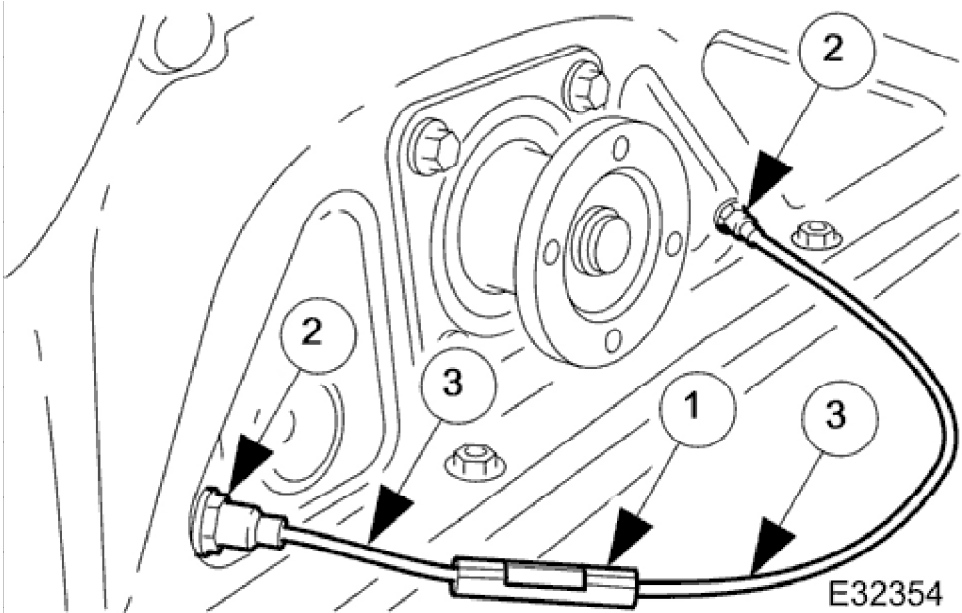
7. Tighten the spring compressor evenly to release the spring load on the damper

**2002 XK RANGE - Rear Drive Axle/Differential - 205-02**



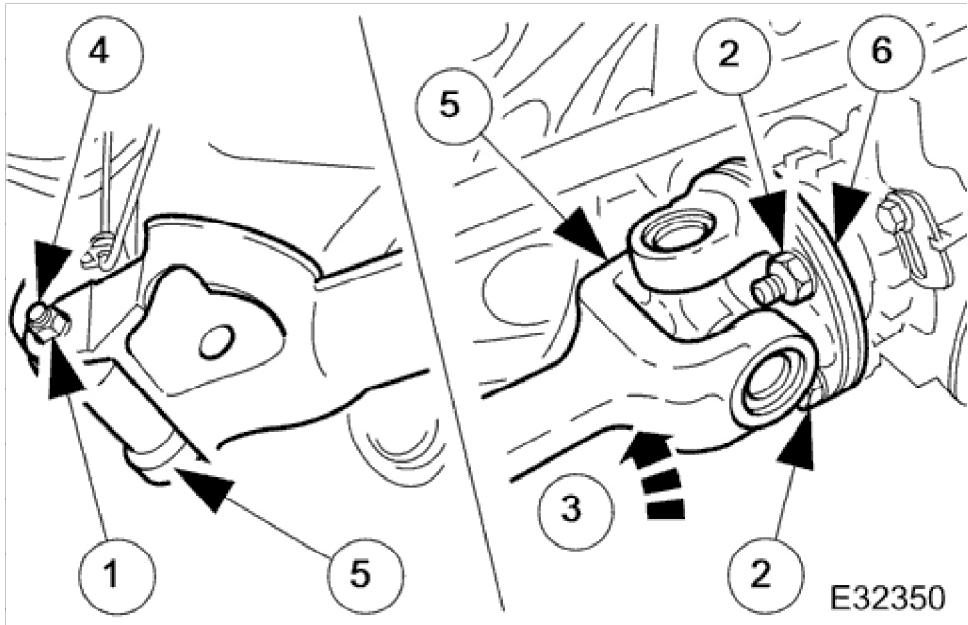
- 8. Remove the damper assembly
  - 1. Mark the tool position on the spring with adhesive tape
  - 2. Remove the damper lower fixing
  - 3. Remove the damper assembly

9. Repeat for the opposite hand spring / damper unit



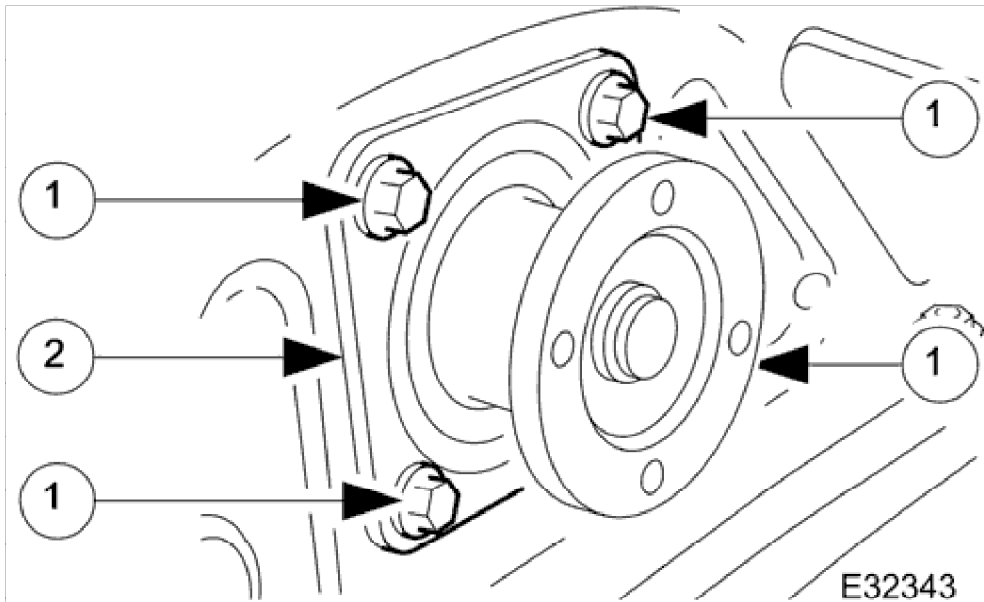
- 10. Release the parking brake cable
  - 1. Disconnect the cable in-line connector
  - 2. Remove the outer cable to frame clips (2)
  - 3. Clear the cable through the frame

**2002 XK RANGE - Rear Drive Axle/Differential - 205-02**



11. Remove the LH hub and axle shaft assembly
- 1. Remove the lower fulcrum shaft nut (1)
  - 2. Remove the axle shaft to drive flange fixings (4)
  - 3. Turn the axle-shaft for access to access the fixings for step 2
  - 4. Support the axle shaft assembly and remove the hub fulcrum
  - 5. Remove the hub and axle shaft assembly
  - 6. Note the position of and remove the camber adjustment spacer

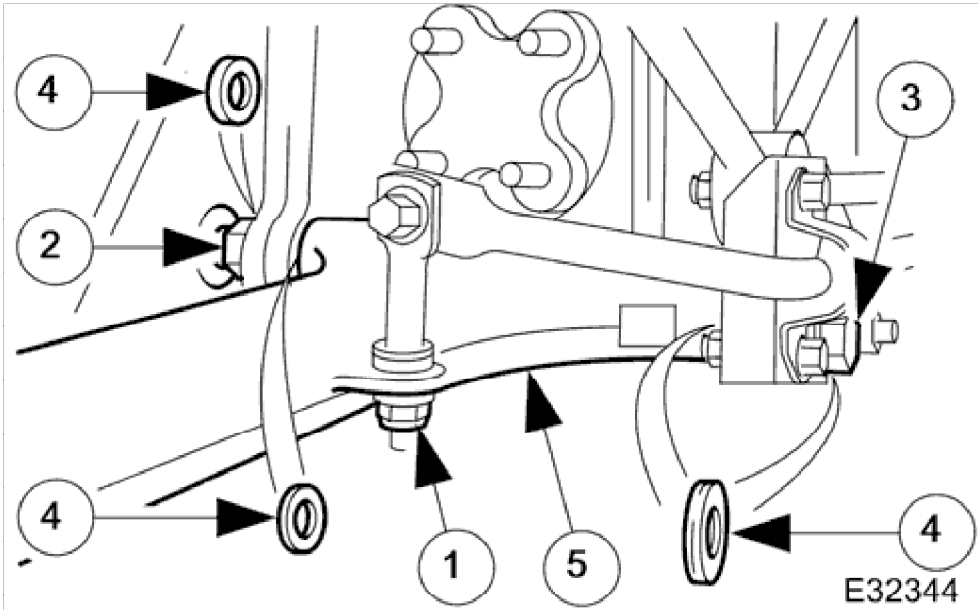
12. Repeat for the opposite hand



13. Remove the final drive nose plate.
- 1. Remove the final drive nose plate bolts (4)
  - 2. Remove the final drive nose plate

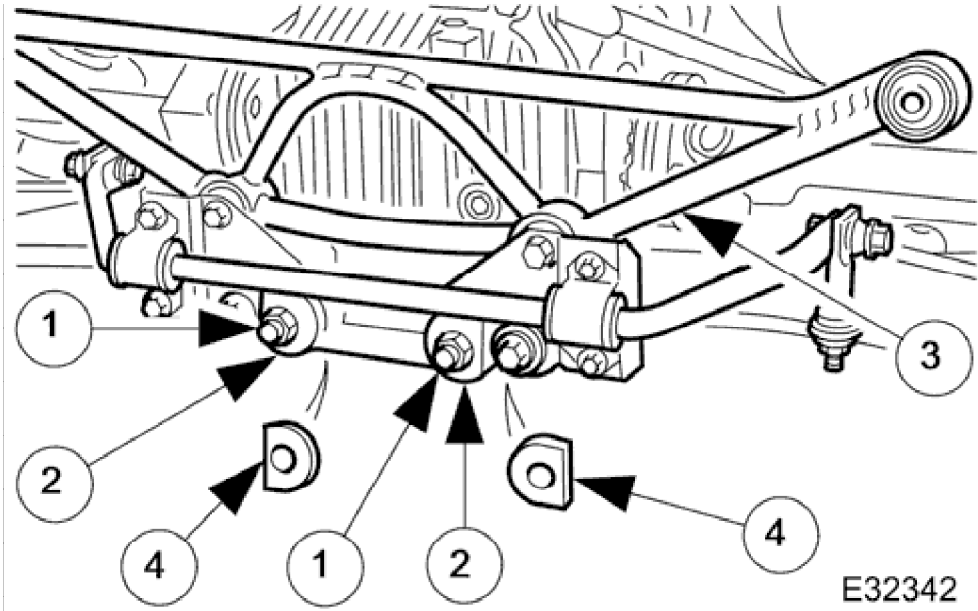
14. Position the axle assembly on its LH side and support it on wooden blocks

**2002 XK RANGE - Rear Drive Axle/Differential - 205-02**



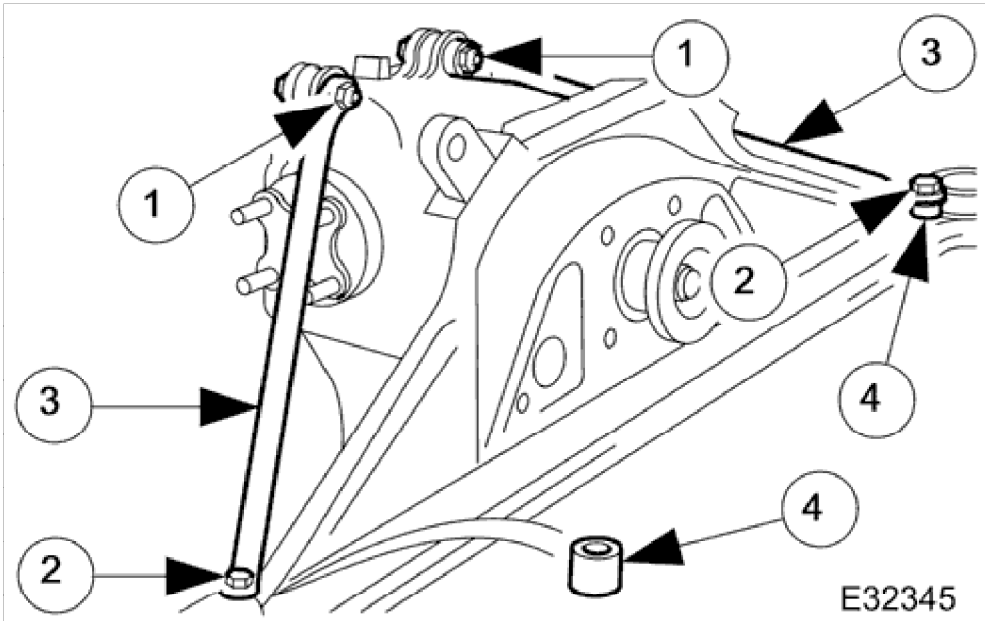
- 15. Remove the wishbone
  - 1. Remove the fixing, stabilizer bar link to wishbone
  - 2. Remove the pivot nut
  - 3. Remove pivot
  - 4. Note the position of and remove the front spacer and rear washers
  - 5. Remove the wishbone

16. Repeat for the opposite hand



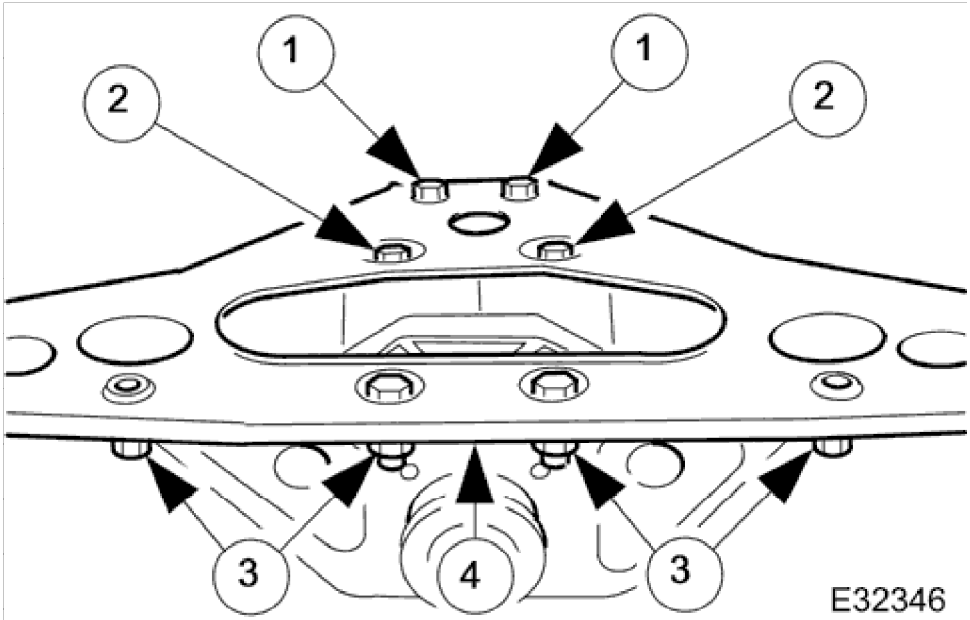
- 17. Remove the wishbone tie assembly
  - 1. Remove the wishbone tie to final drive fixings (2)
  - 2. Remove the washers (2)
  - 3. Remove the wishbone tie assembly
  - 4. Remove the washers (2)

**2002 XK RANGE - Rear Drive Axle/Differential - 205-02**



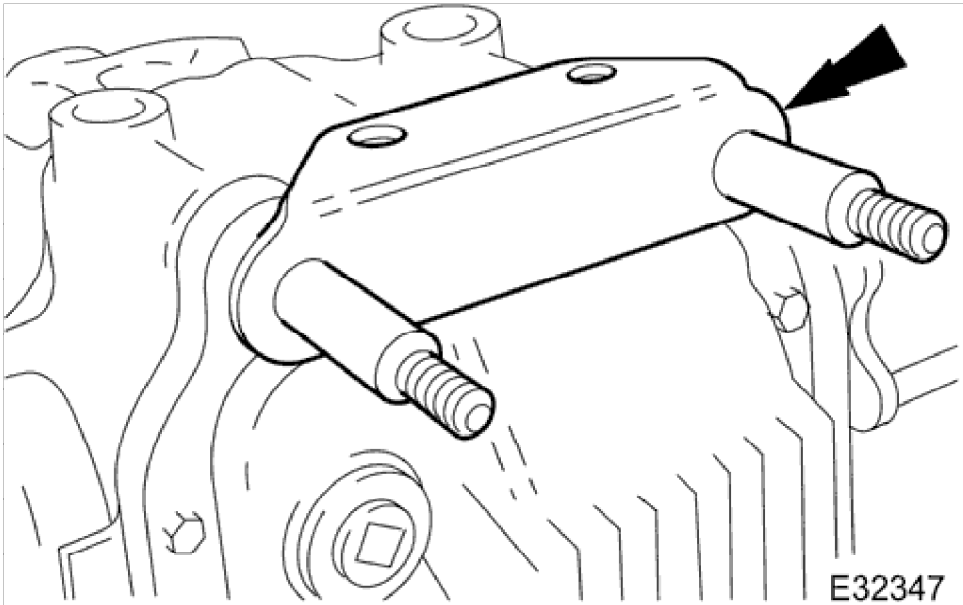
18. Remove the tie rods
- 1. Remove the tie rod to final drive fixings (2)
  - 2. Remove the tie rods to wide mounting bracket fixings (2)
  - 3. Remove the tie rods
  - 4. Note the position of and remove the spacers

19. Position the assembly for access to the 'A' frame to final drive fixings, noting that oil may issue from the breather

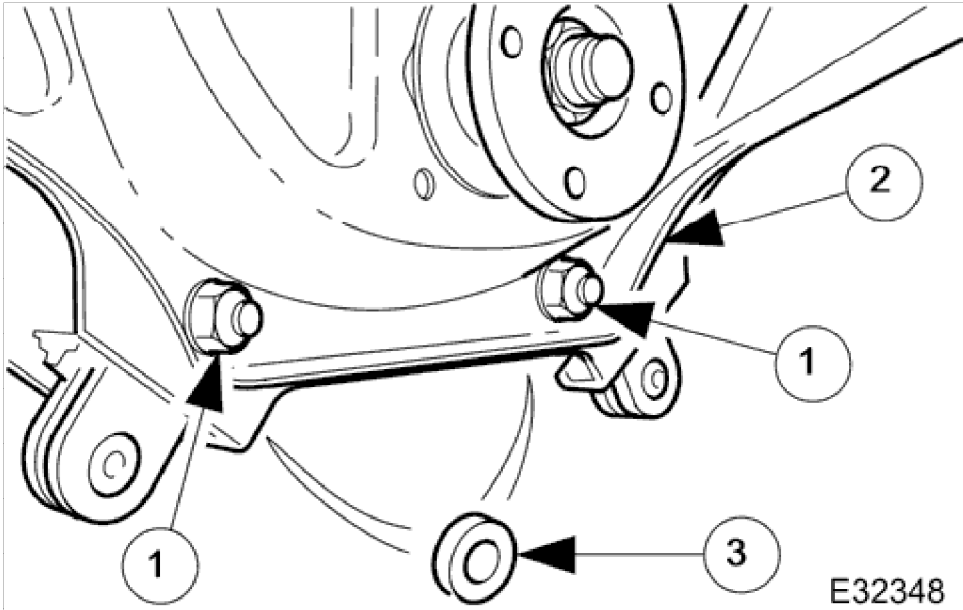


20. Remove the 'A' frame assembly
- 1. Remove the 'A' frame to rear mounting bracket fixings (2)
  - 2. Remove the 'A' frame to final drive fixings (2)
  - 3. Remove the 'A' frame to wide mounting bracket fixings (2)
  - 4. Remove the 'A' frame assembly

**2002 XK RANGE - Rear Drive Axle/Differential - 205-02**

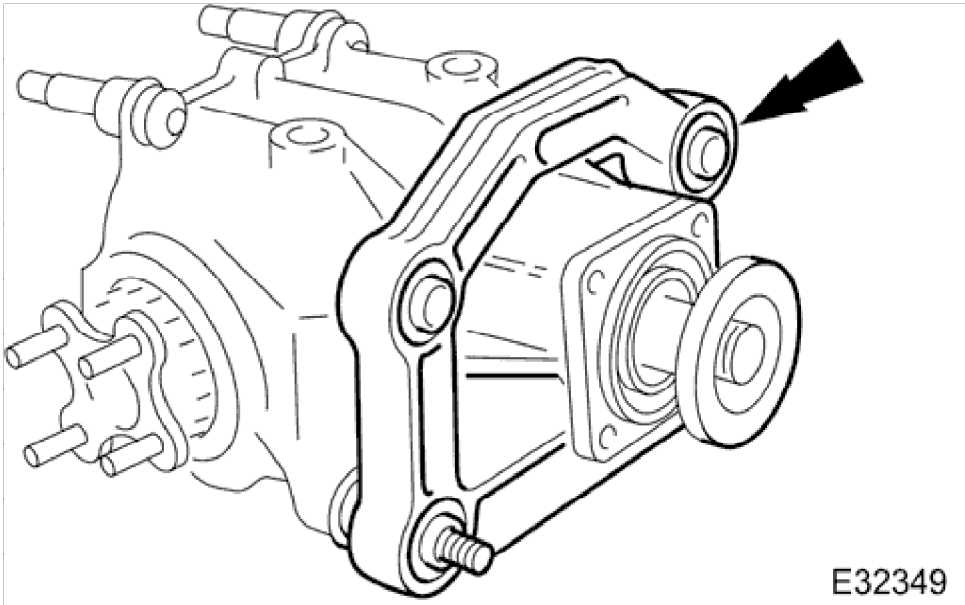


21. Remove the 'A' frame rear mounting bracket



22. Remove the wide mounting bracket assembly  
1. Remove the wide mounting bracket / pendulum assembly to final drive fixings (2)  
2. Remove the wide mounting bracket assembly  
3. Remove the washers (2)

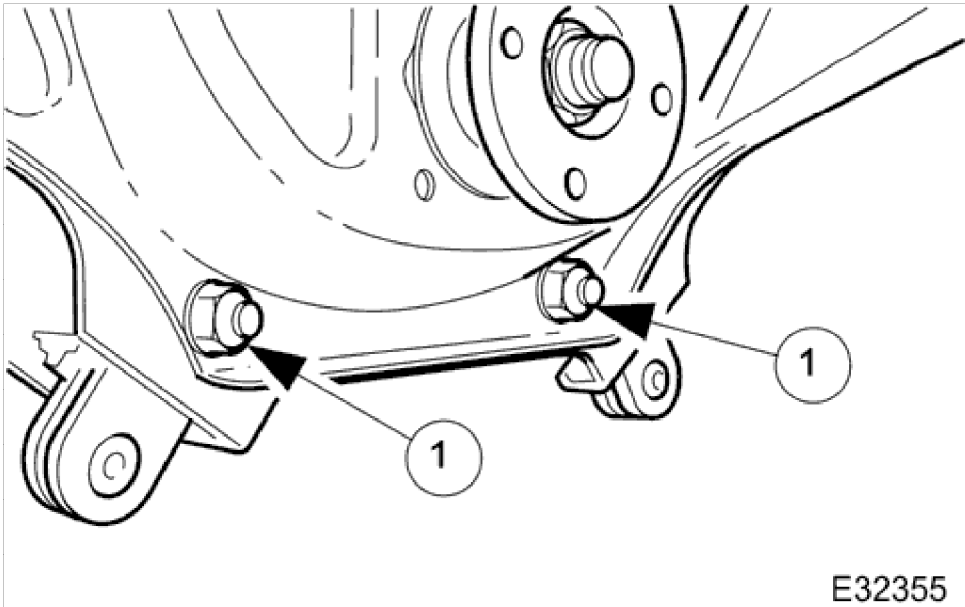
# 2002 XK RANGE - Rear Drive Axle/Differential - 205-02



23. Remove the pendulum assembly

## Installation

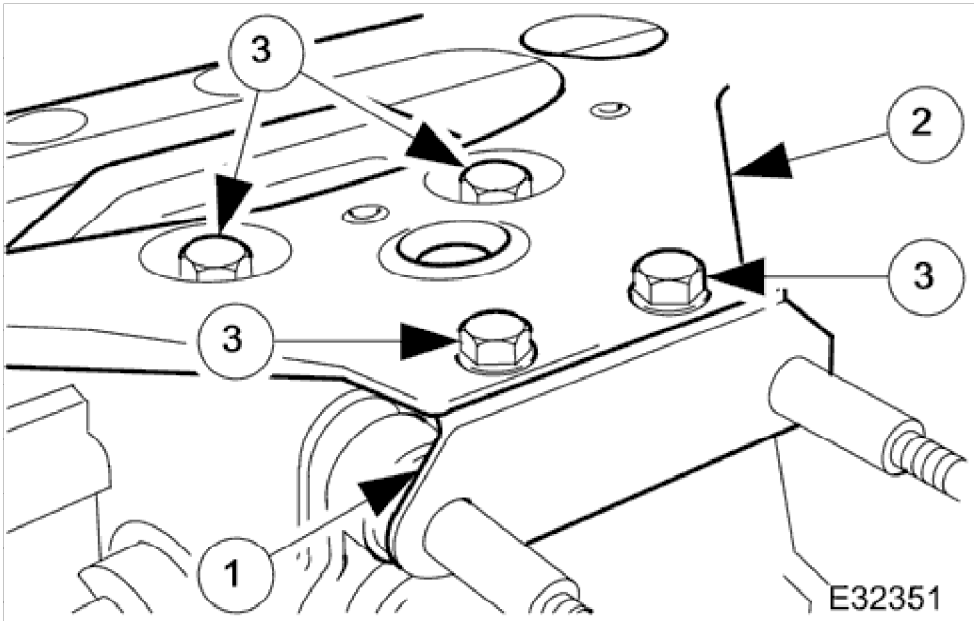
1. Installation is the reverse of the removal procedure noting the following



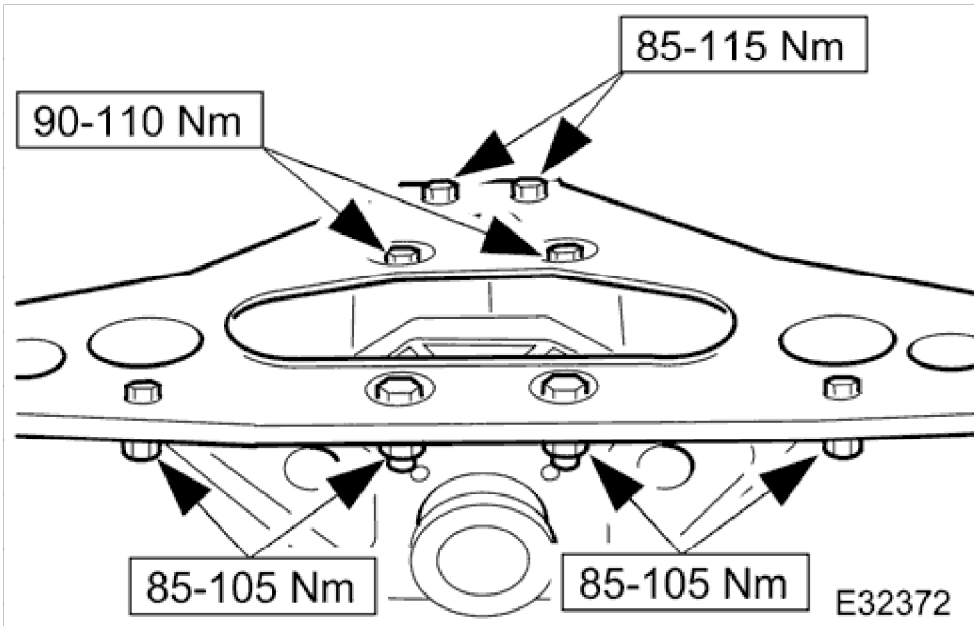
2. Locate the wide mounting bracket to the final drive.
  1. Loose assemble the wide mounting bracket / pendulum to final drive fixings



2002 XK RANGE - Rear Drive Axle/Differential - 205-02

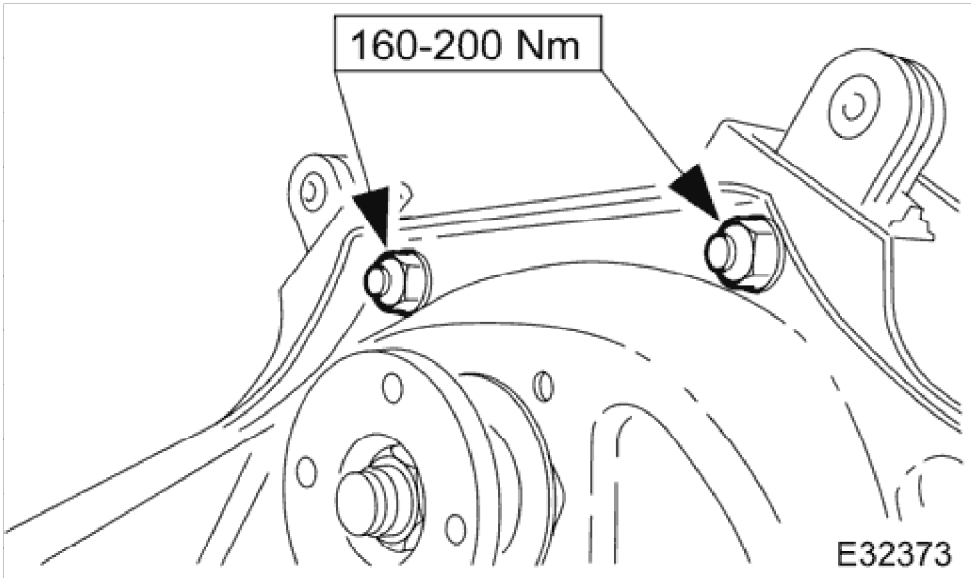


- 3. Locate the 'A' frame rear bracket and 'A' frame assembly
- 1. Fit the 'A' frame rear bracket
- 2. Fit the 'A' frame assembly
- 3. Loose assemble the 'A' frame to final drive fixings

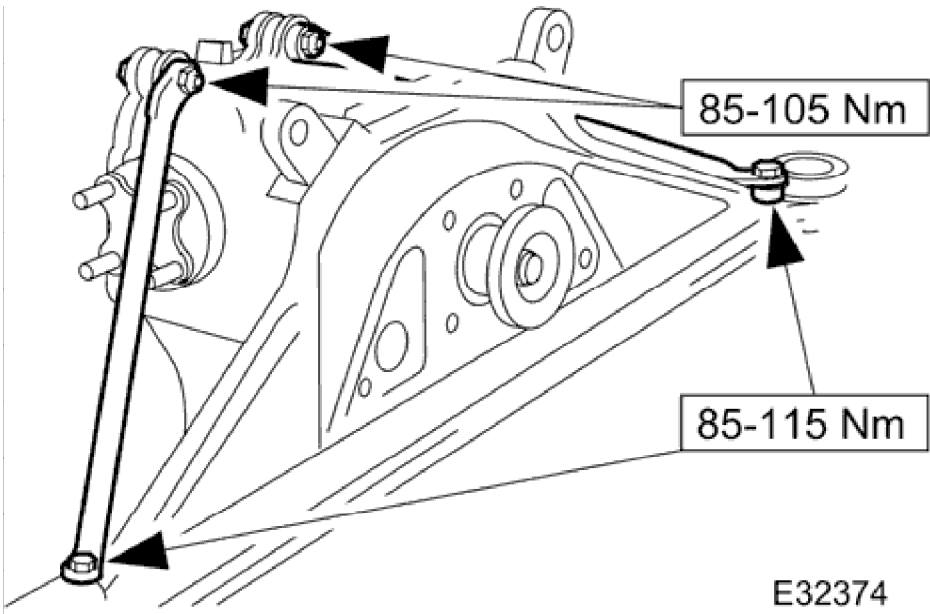


- 4. Refer to the illustration

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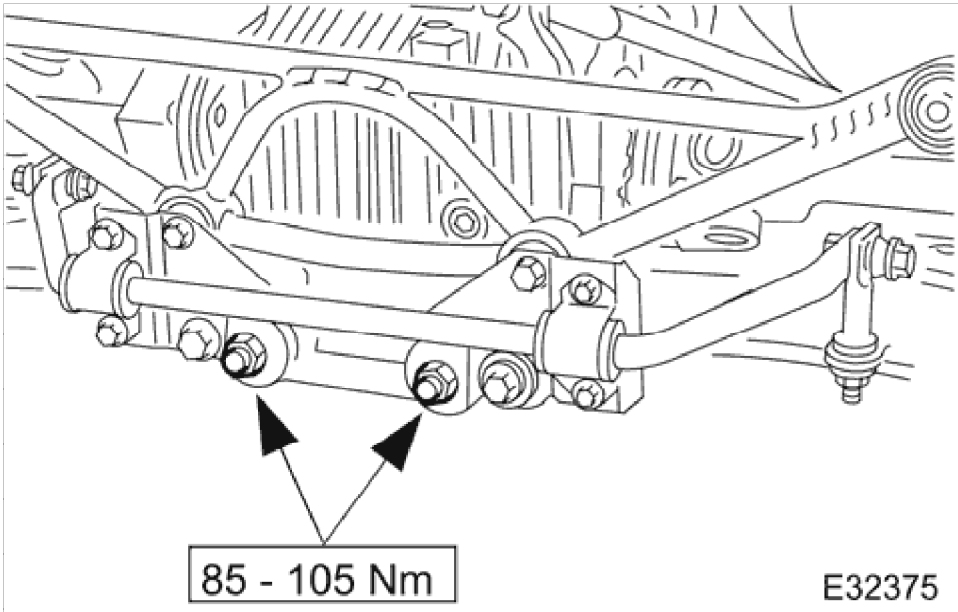


5. Refer to the illustration

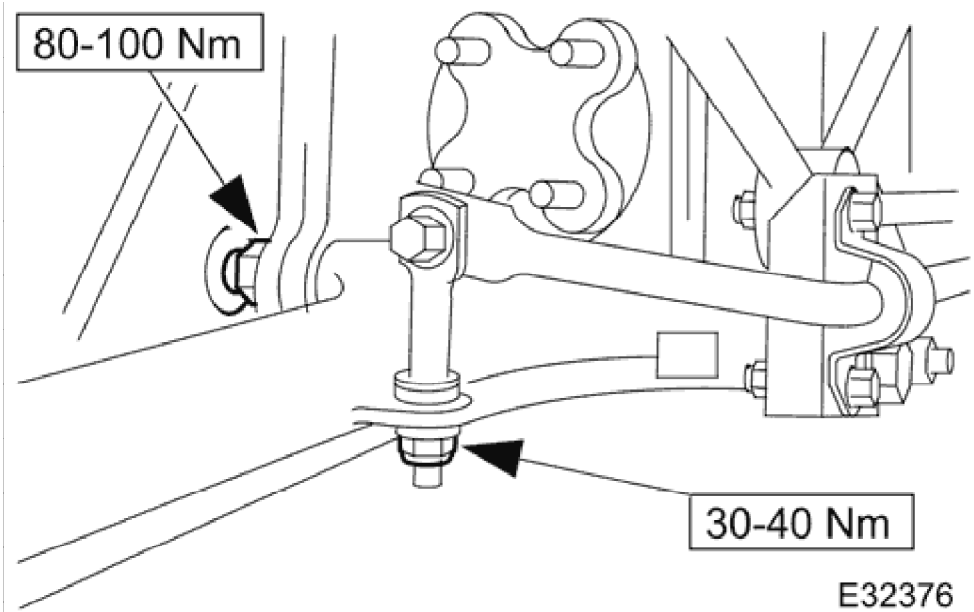


6. Refer to the illustration

**2002 XK RANGE - Rear Drive Axle/Differential - 205-02**

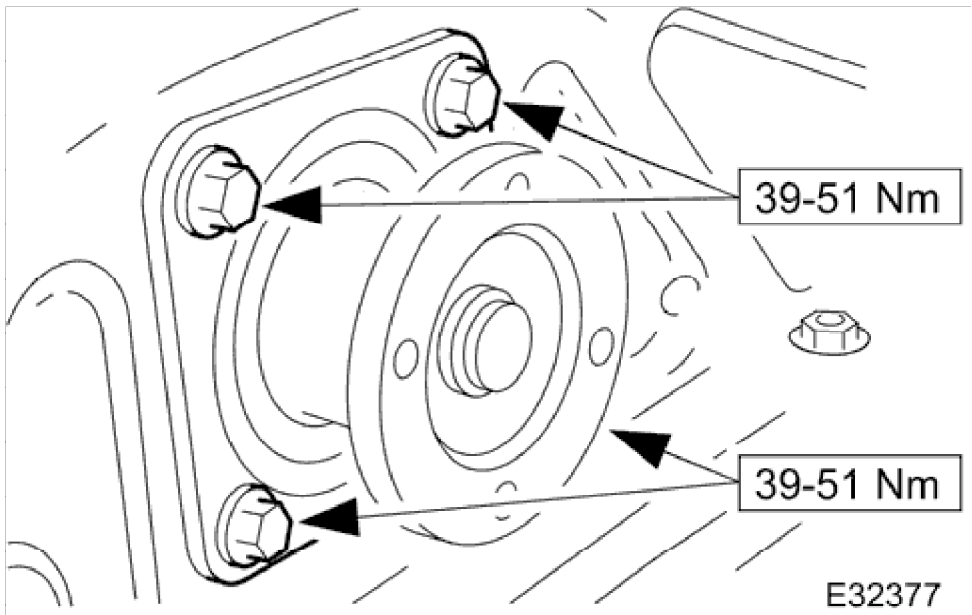


**7. NOTE:**  
Ensure the correct orientation of the flat sided washers  
Refer to the illustration

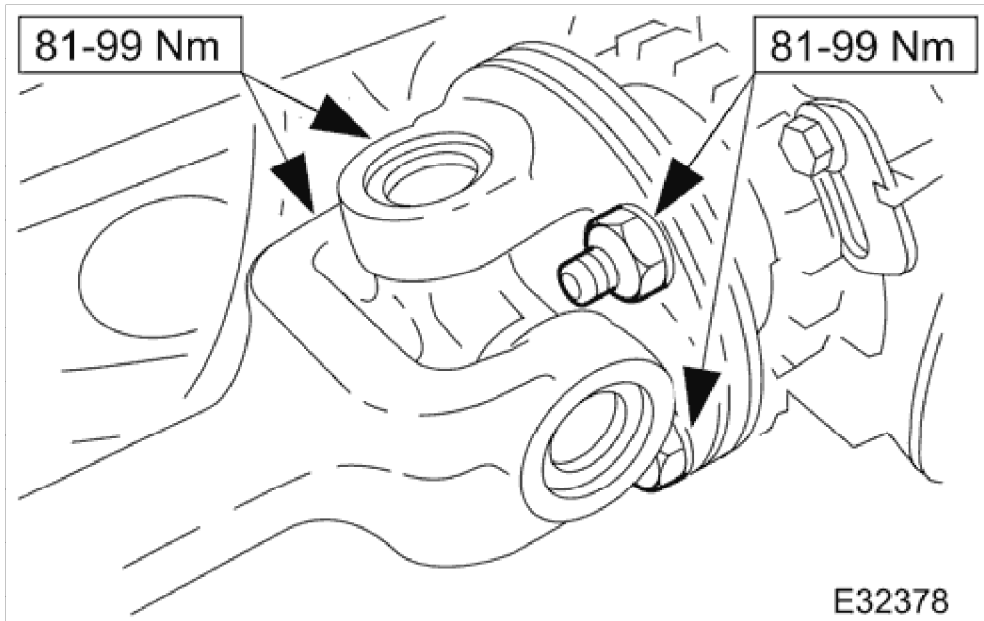


8. Refer to the illustration

**2002 XK RANGE - Rear Drive Axle/Differential - 205-02**

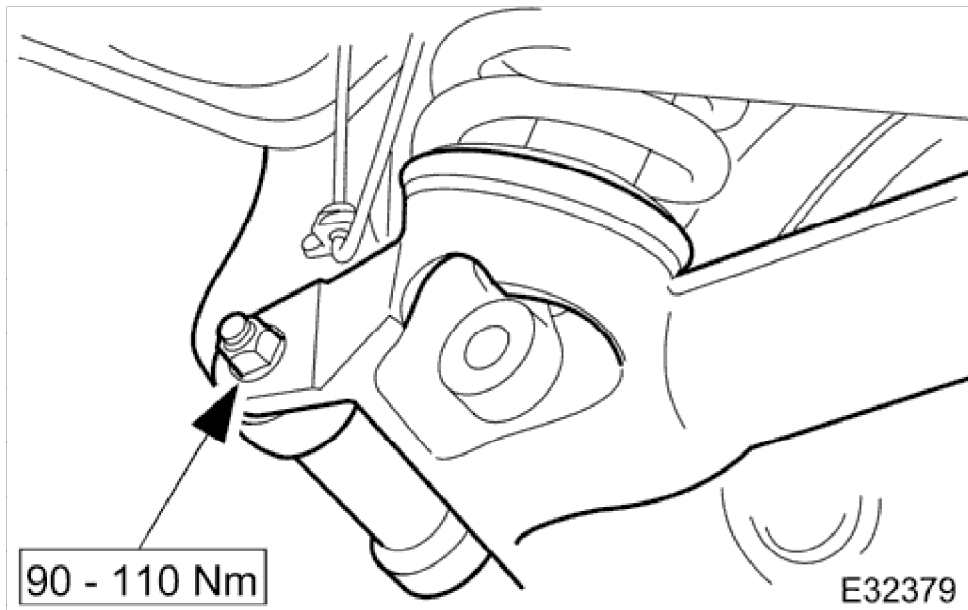


9. Refer to the illustration



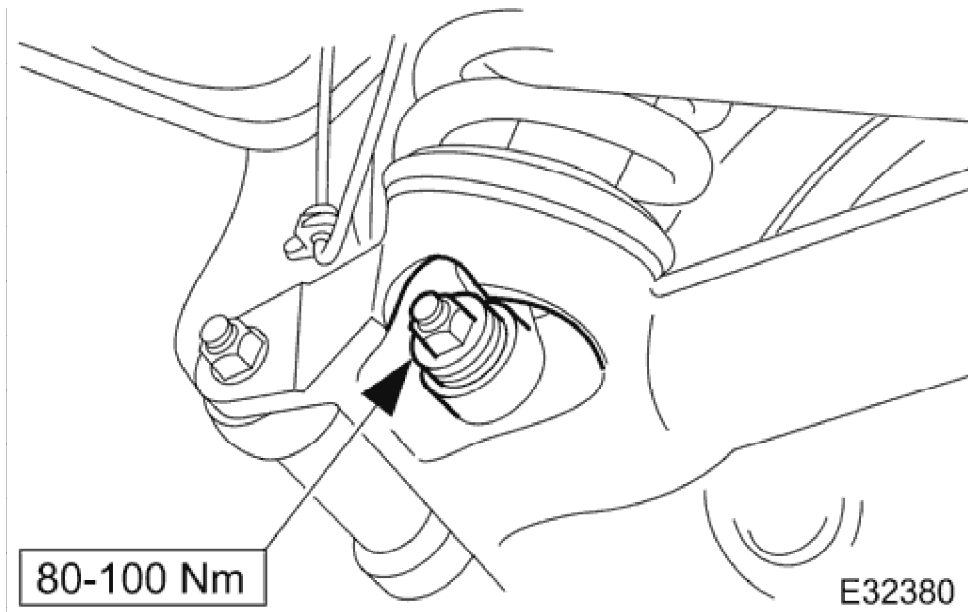
10. Refer to the illustration

## 2002 XK RANGE - Rear Drive Axle/Differential - 205-02



11. Refer to the illustration

12. Ensure that the spring pan and wishbone location reflects the original condition



13. Refer to the illustration

14. Check and adjust as required, the final drive unit oil level

15. Check and adjust as required, the rear wheel alignment, <<204-02>>.