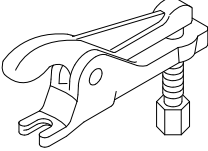
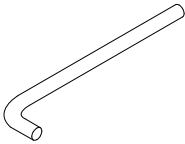
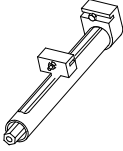
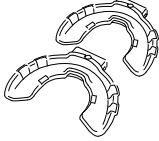
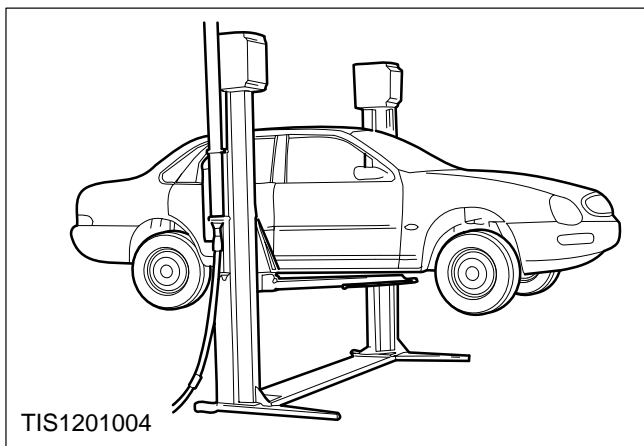


Suspension Unit Assembly – Front – Remove And Install (14 781 0)

Special Tools

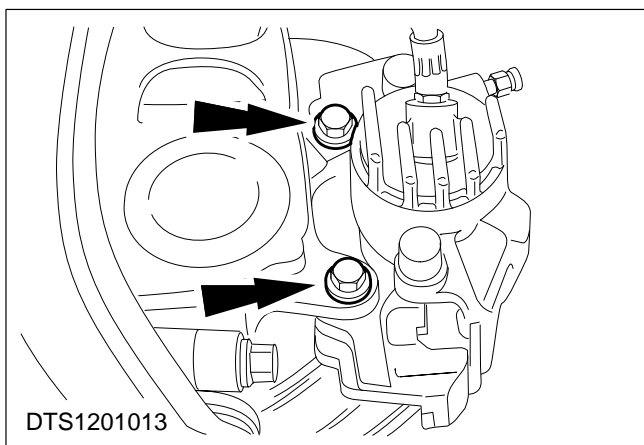
	13-006 Ball joint separator
	14-039 Spindle carrier lever

	14-042 Spring compressor
	14-042-01 Adaptor for 14-042



Remove

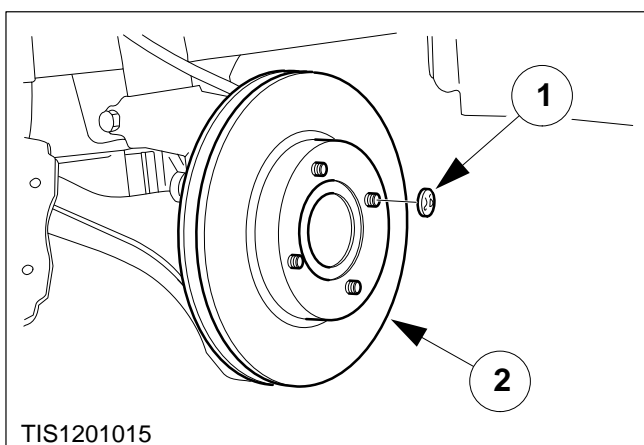
- 1. Slacken the wheel nuts, raise the vehicle and remove the front road wheel.**



- 2. Remove the brake caliper assembly.**

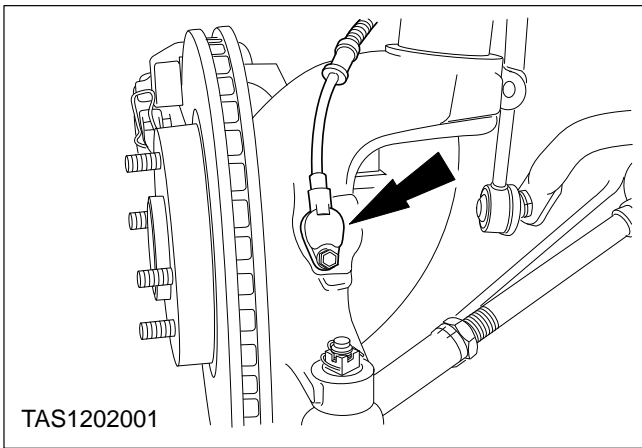
Suspend the caliper to prevent damage to the flexible brake hose.

- 3. Mark the relative position of the hub and disc.**

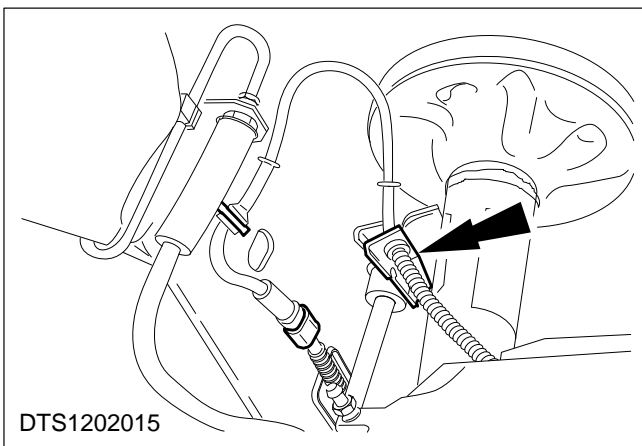


- 4. Remove the brake disc.**

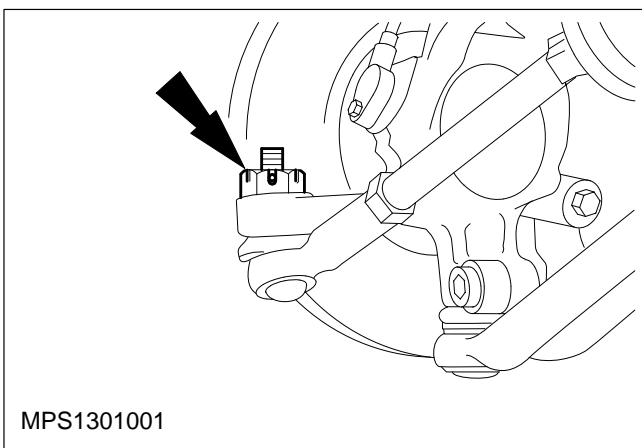
- 1 Remove the spring clip.
- 2 Remove the brake disc.



5. Remove the ABS sensor.

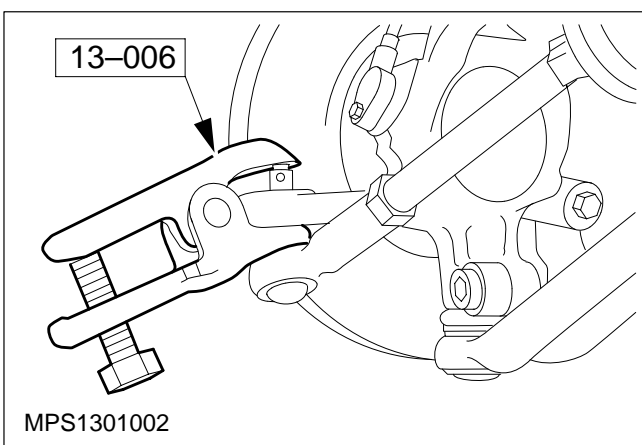


6. Release the ABS sensor lead from the suspension unit.



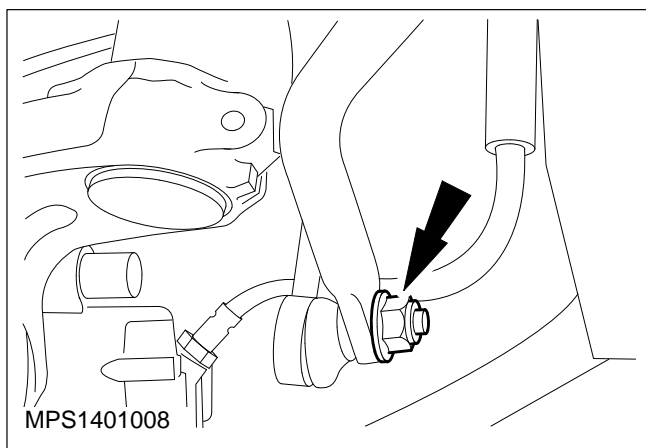
7. Remove the split pin and castellated nut from the steering track rod end.

Discard the split pin.

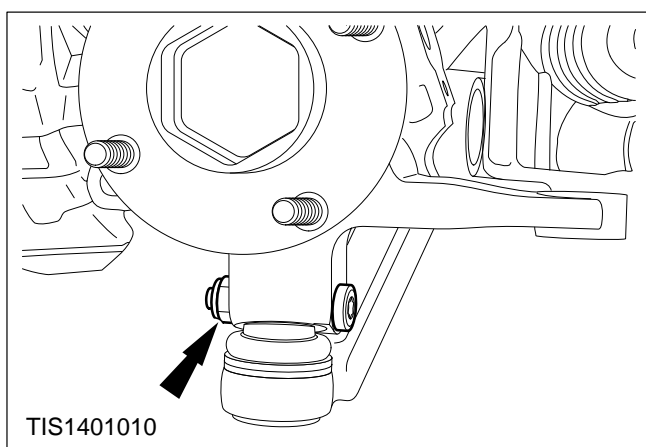


NOTE: When the track rod end is separated from the spindle carrier, the ball joint seal should be protected at all times by wrapping in a cloth.

8. Release the track rod end ball joint from the spindle carrier.



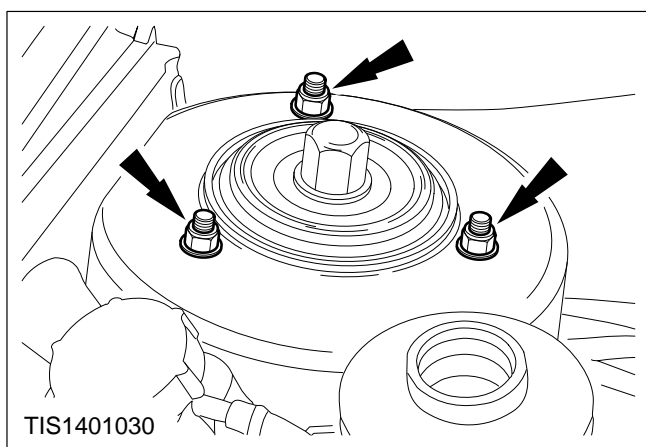
- 9. Remove the link assembly from the stabiliser bar.**



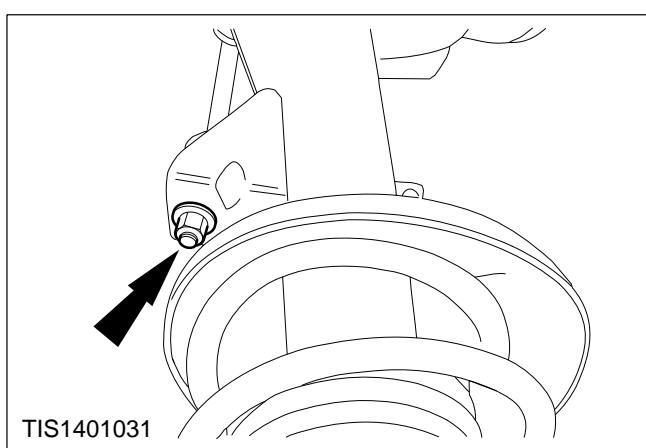
NOTE: When the lower arm is separated from the spindle carrier, the ball joint seal should be protected at all times by wrapping in a cloth.

- 10. Remove the lower arm ball joint pinch bolt and nut.**

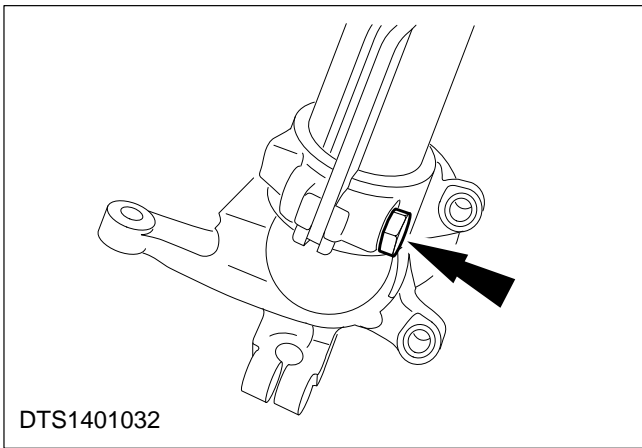
- 11. Disconnect the lower arm from the spindle carrier.**



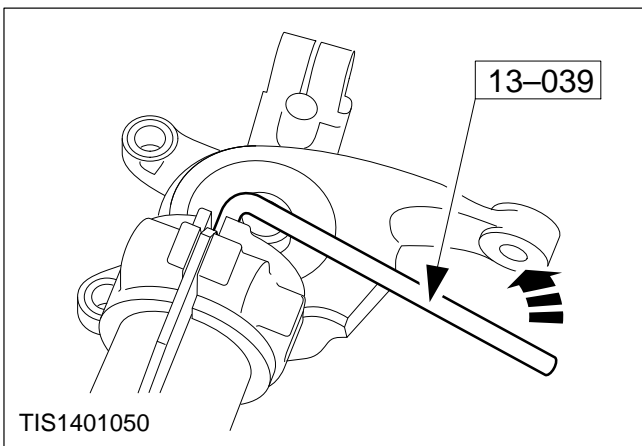
- 12. Remove the suspension unit and spindle carrier as one assembly.**



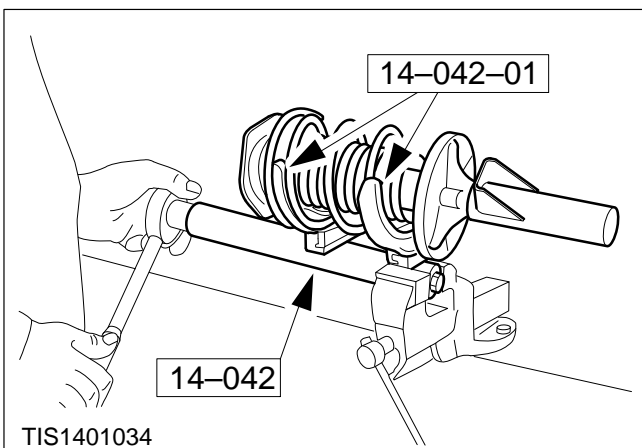
- 13. Remove the link assembly from the suspension unit.**



14. Remove the spindle carrier to suspension unit pinch bolt and nut.

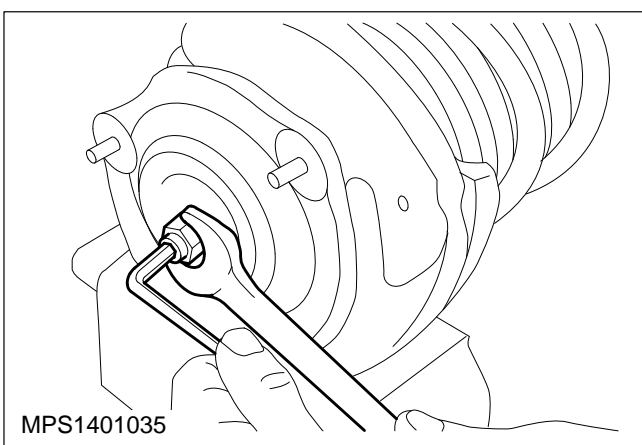


15. Remove the spindle carrier from the suspension unit.



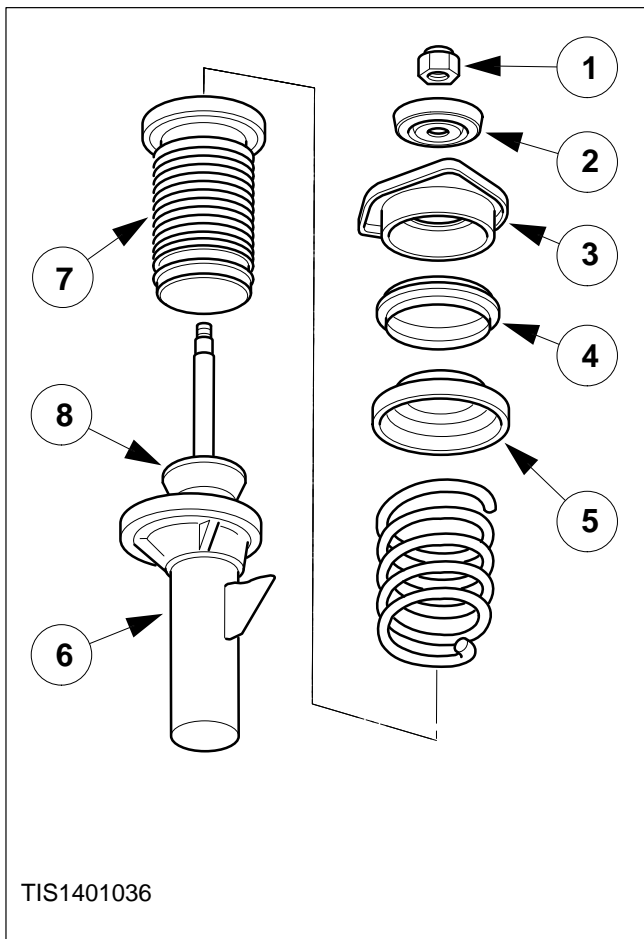
⚠ WARNING: During this operation the spring is under extreme load, therefore care must be taken at all times.

16. Compress the spring.

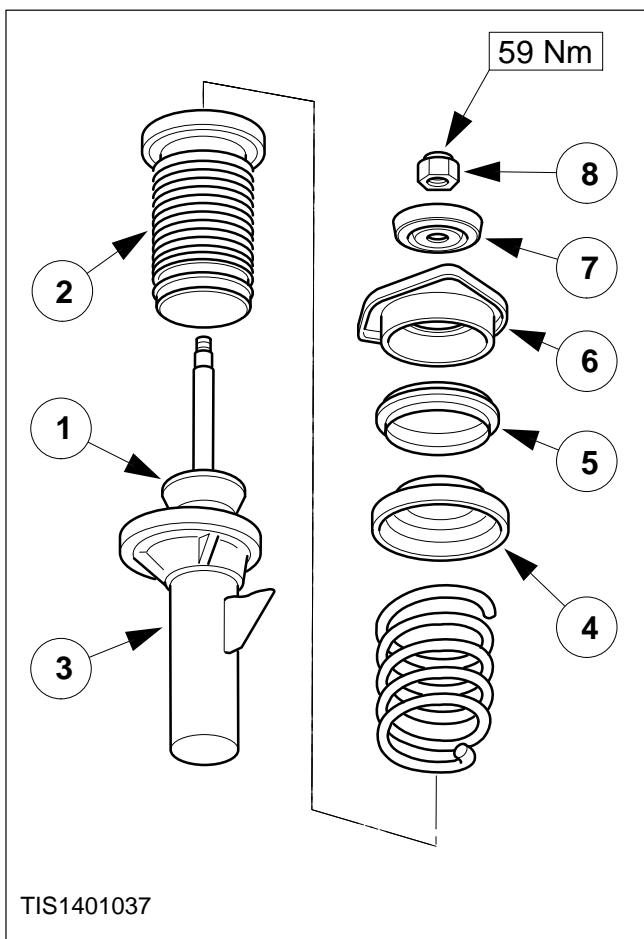


17. Slacken the lock nut.

Use a 6 mm hexagon key to stop the piston rod from rotating.

**18. Disassemble the suspension unit.**

- 1 Remove the lock nut.
- 2 Remove the retainer.
- 3 Remove the top mount.
- 4 Remove the thrust bearing.
- 5 Remove the upper spring seat.
- 6 Remove the suspension unit.
- 7 Remove the gaiter.
- 8 Remove the bump stop.

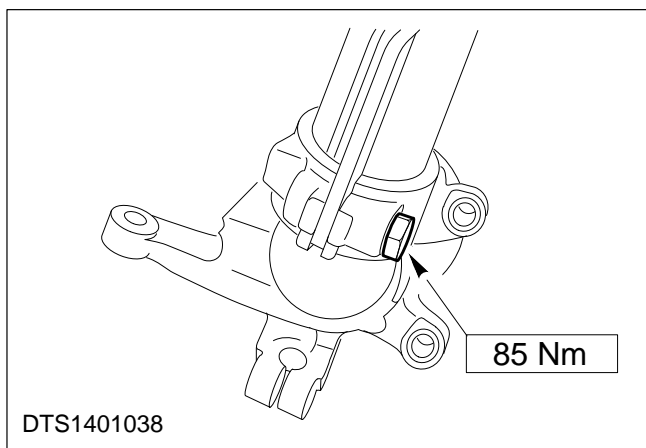
**Install**

⚠ CAUTION: Ensure that the spring ends butt correctly against the upper and lower seat stops.

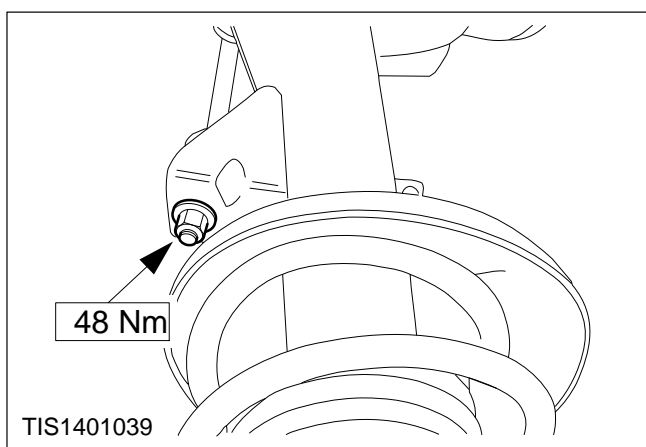
19. Assemble the suspension unit.

- 1 Refit the bump stop.
- 2 Refit the gaiter.
- 3 Refit the suspension unit.
- 4 Refit the upper spring seat.
- 5 Refit the thrust bearing.
- 6 Refit the top mount.
- 7 Refit the retainer.
- 8 Refit the lock nut.

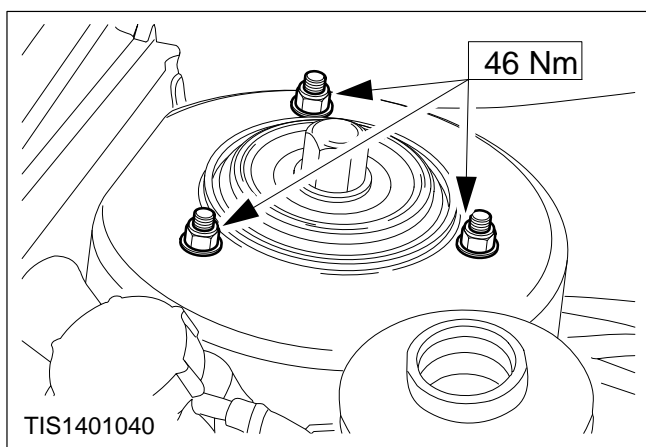
20. Decompress the spring.



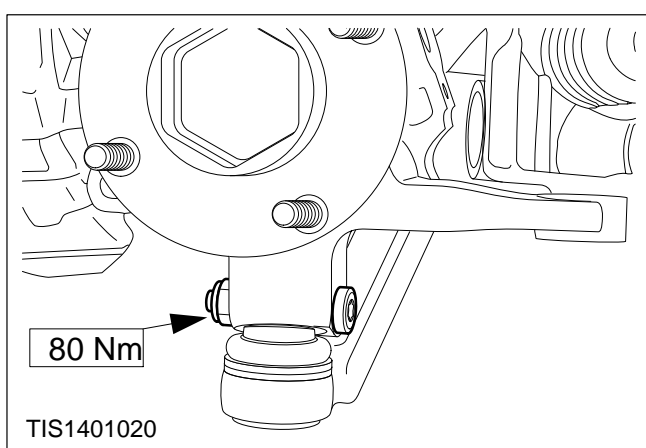
21. Refit the spindle carrier to the suspension unit.



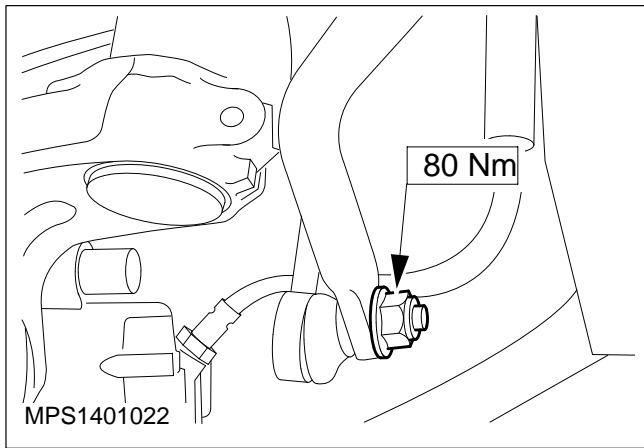
22. Refit the link assembly to the suspension unit.



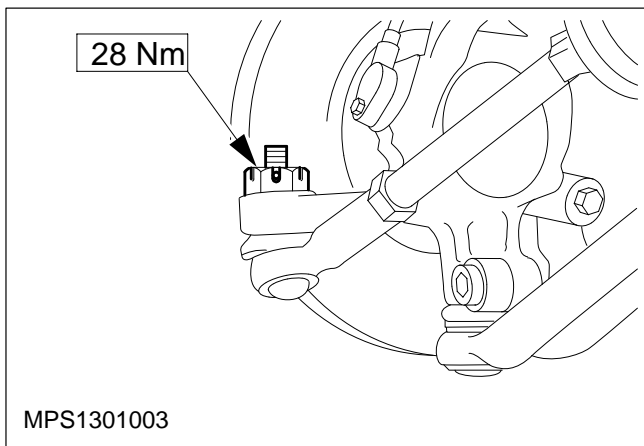
23. Refit the suspension unit and spindle carrier as one assembly.



24. Refit the lower arm to the spindle carrier.

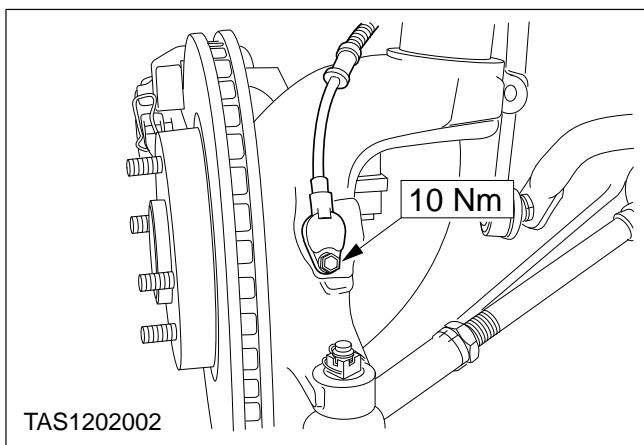


25. Refit the link assembly to the stabiliser bar.



26. Refit the track rod end ball joint to the spindle carrier.

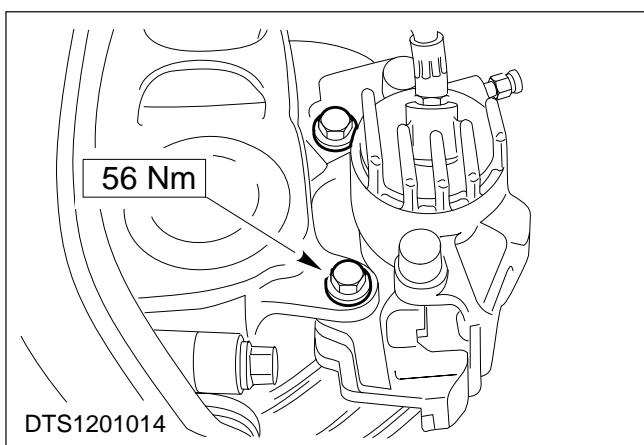
Fit a new split pin.



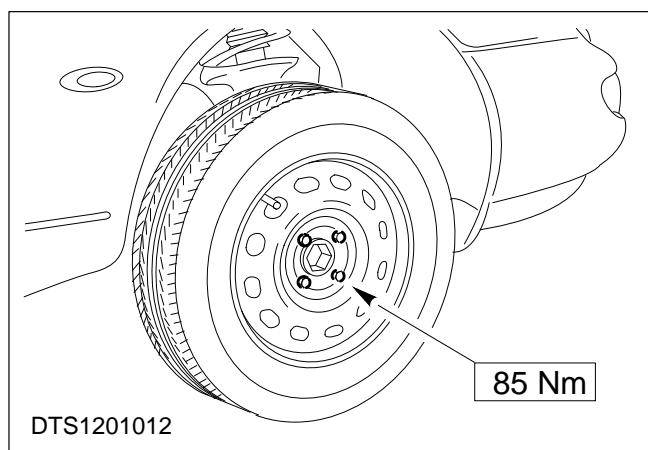
27. Refit the ABS sensor.

28. Reconnect the ABS sensor lead to the suspension unit.

29. Refit the brake disc and secure with a new spring clip.



30. Refit the brake caliper assembly.



- 31. Refit the front wheel and lower the vehicle.**
- 32. Check the front wheel alignment as described in Operation Nos. 14 111 0 and 14 111 3.**