

SUSPENSION SYSTEM – GENERAL INFORMATION

WHEEL ALIGNMENT (G2218076)

GENERAL PROCEDURES

GENERAL EQUIPMENT

EQUIPMENT NAME
Jaguar Land Rover approved diagnostic equipment

PART(S)

STEP	PART NAME	QUALIFICATION	QUANTITY
Step 8	Toe link nut	Rear wheel alignment	2

ACTIVATION

⚠ CAUTIONS:

- Adjustments must be completed on both sides of the vehicle.
- Adjustments must be even on both sides of the vehicle.

⚠ NOTES:

- Only use calibrated wheel alignment equipment recommended by Jaguar Land Rover.
- A change in camber or castor means a change in toe, therefore camber and castor must always be adjusted before adjusting the toe (only where adjustable).
- Make sure the steering wheel is in the straight ahead position.
- This procedure contains some variation in the illustrations depending on the vehicle specification, but the essential information is always correct.
- This procedure contains illustrations showing certain components removed to provide extra clarity.

The following step(s) applies to:

All vehicles

1. Note the correct geometry values before completing this procedure.
Refer to: [Specifications](#) (204-00 Suspension System - General Information, Specifications).

- 2.
- Check the tie rod ends, suspension joints, wheel bearings and wheels and tires for damage, wear and excessive free play. Check and adjust the tire pressures.
 - Replace any excessively worn components before completing this procedure.

3. Roll the vehicle backward and forward to settle the steering and suspension.

- 4.
- Position the vehicle on a flat and level surface.
 - Release the vehicle parking brake.

The following step(s) applies to:
Vehicles with air suspension

5. Set the vehicle to air suspension manual tight tolerance setting mode.
Refer to: [Air Suspension Manual Tight Tolerance Setting Mode](#) (204-05 Vehicle Dynamic Suspension, General Procedures).

The following step(s) applies to:
Hybrid electric vehicles only

6.  **CAUTION:**

This step must be completed to prevent damage to the vehicle.

Use the Jaguar Land Rover approved diagnostic equipment to activate the Brake Booster Module (BBM) to service mode.

General Equipment: [Jaguar Land Rover approved diagnostic equipment](#)

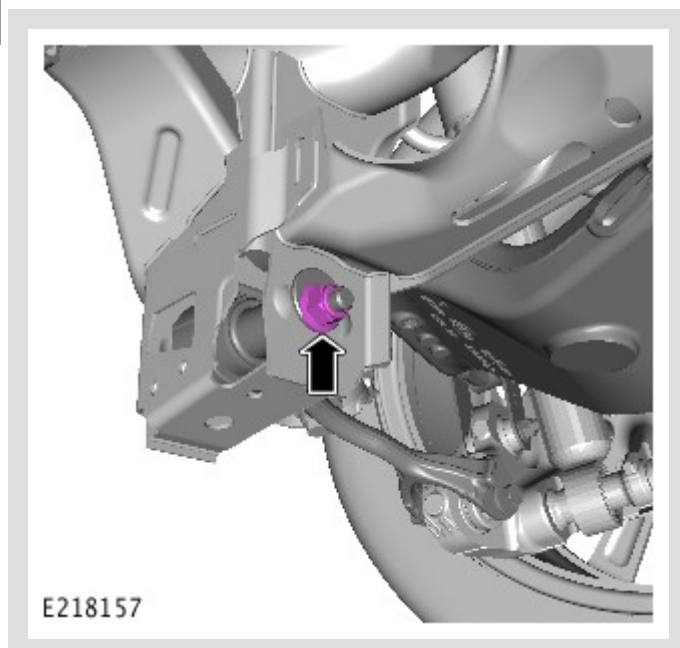
The following step(s) applies to:
All vehicles

7. Install the Jaguar Land Rover approved wheel alignment equipment.

The following step(s) applies to:

Rear wheel alignment

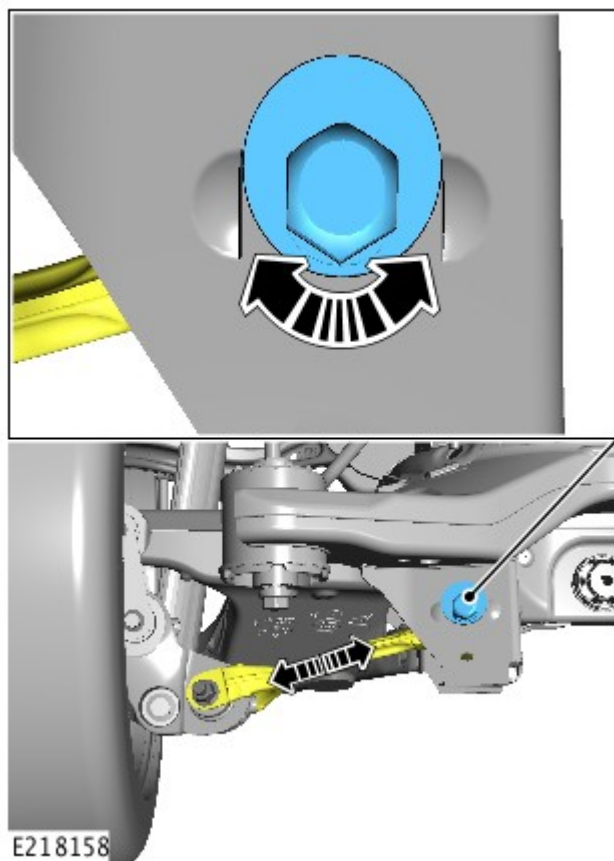
8.



Renew the rear toe link locking nuts.

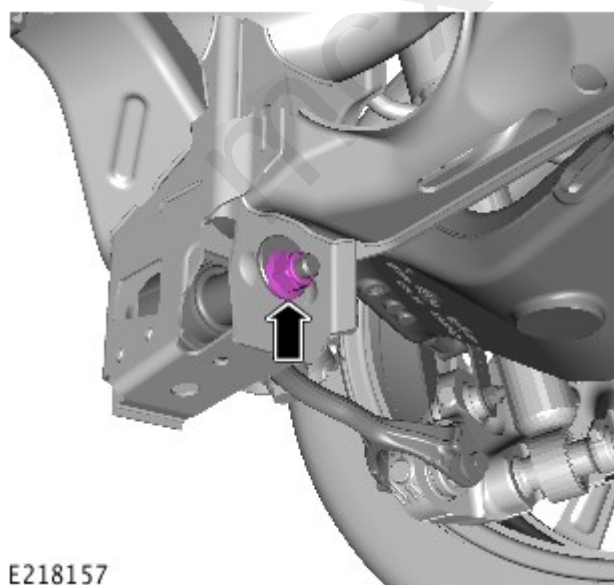
Renew Part: [Toe link nut](#) Quantity: 2.

9.



Adjust the rear wheel toe. Note the readings from the steering geometry test equipment and adjust the geometry as required.

10.



Tighten the rear toe link locking nuts.

Torque

Stage1: **40Nm**

Stage2: **90°**

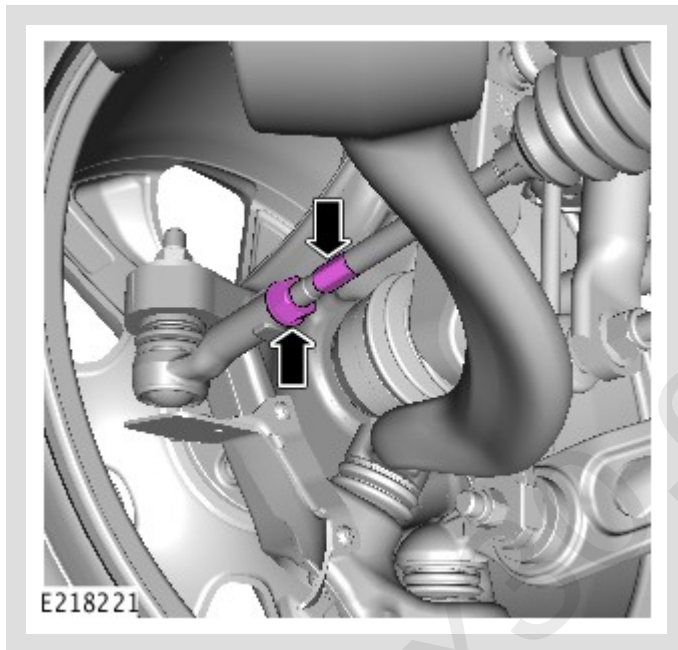
The following step(s) applies to:

Front wheel alignment

11.

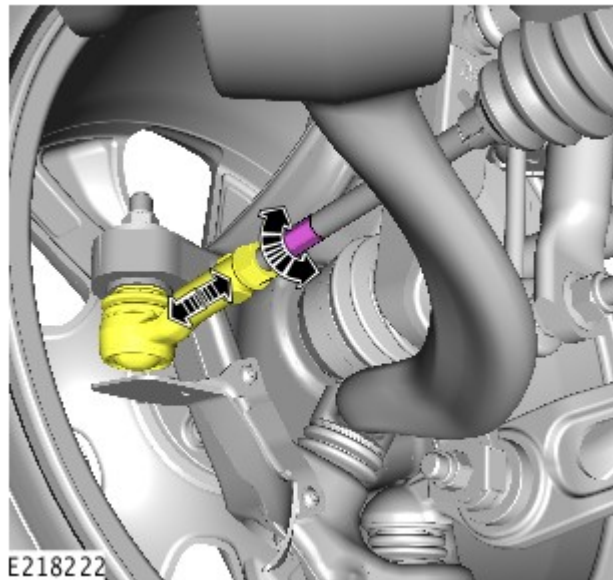
ⓘ CAUTIONS:

- To prevent damage to the tie rods, use an additional wrench when loosening or tightening the components.
- Do not allow the steering gear boot to twist.



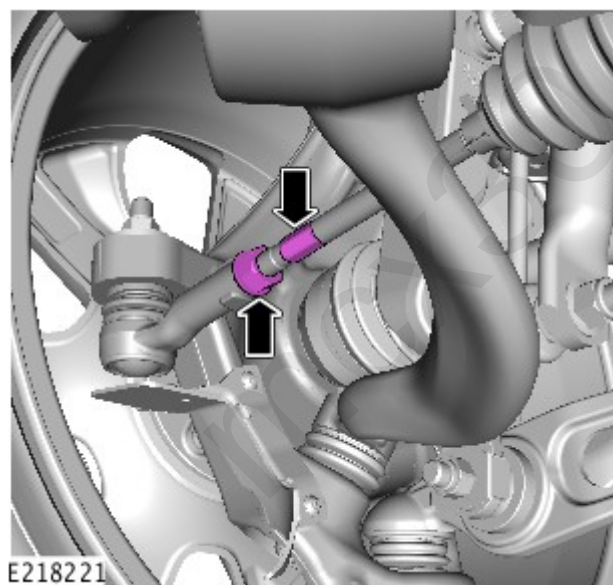
Loosen the front tie rod locking nuts.

12.



Adjust the front wheel toe. Note the readings from the steering geometry test equipment and adjust the geometry as required.

13.



Tighten the front tie rod locking nuts.

Torque: 76Nm

14.

- Remove the Jaguar Land Rover approved wheel alignment equipment.
- Deactivate tight tolerance mode.
- Use the Jaguar Land Rover approved diagnostic equipment to deactivate the Brake Booster Module (BBM) service mode.

General Equipment: [Jaguar Land Rover approved diagnostic equipment](#)

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