

ALL PARTS ARE TO BE INSTALLED BY A CERTIFIED ASE TECHNICIAN



2003-2012 Land Rover Range Rover

Air Suspension Strut Assemblies Front

72R-18-FL & FR

Installation Instructions



Before you begin the removal or installation, please read all or the instructions thoroughly!
The warranty will be void if instructions are not followed exactly. Do not work under a vehicle supported by a jack.
Always support the vehicle safety standards.



BEFORE YOU BEGIN THE REMOVAL OR INSTALLATION, PLEASE READ ALL OF THE INSTRUCTIONS THOROUGHLY!

THE WARRANTY WILL BE VOID IF INSTRUCTIONS ARE NOT FOLLOWED EXACTLY. DO NOT WORK UNDER A VEHICLE SUPPORTED BY A JACK.

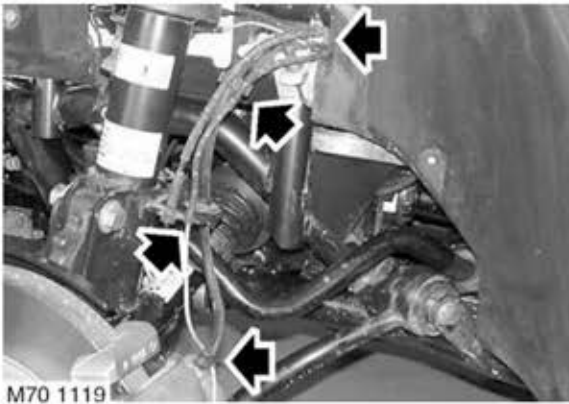
ALWAYS SUPPORT THE VEHICLE ON SAFETY STANDS.

Front Suspension Replacement

NOTE: Do not depressurize air suspension system before raising vehicle.

WARNING: Do not work on or under a vehicle supported only by a jack. Always support the vehicle on safety stands. Raise the front and rear of the vehicle and support under the body .

- 1. Remove the road wheel.**
- 2. Depressurize the air spring being replaced.**



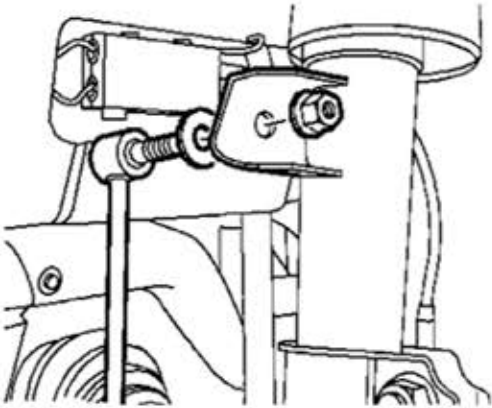
3. Release the anti-lock braking (ABS) sensor harness and brake hose from the damper.

Left-hand side only:

4. Release the brake pad wear sensor lead from the damper.

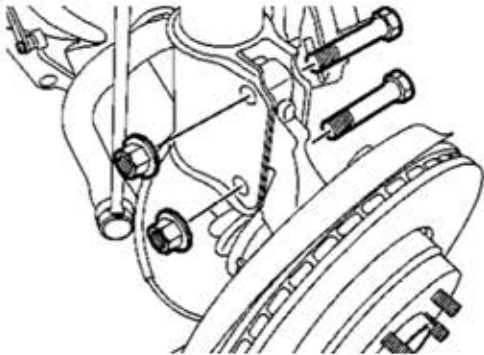
CAUTION: Use an open-ended wrench on the flats provided to prevent the ball joint rotating.

Remove the nut securing the stabilizer bar link to the damper.



5. Release the stabilizer bar link and collect the washer.

6. Position a jack to support the lower arm.

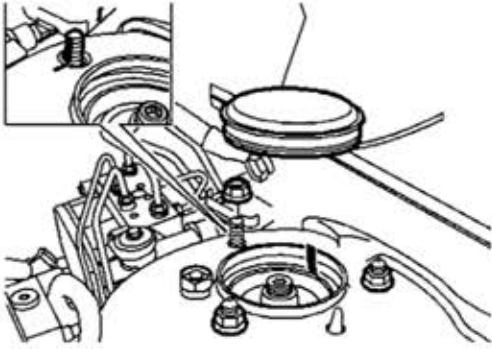


7. Remove the two nuts and bolts securing the hub to the damper.

CAUTION: Do not allow the hub to hang on the brake hose.

8. Release the hub from the damper and lower arm, sufficiently to clear the damper.

9. Remove the cap from the top mounting.



10. Remove the nut securing the spring and damper assembly and mark relationship between stud and turret for reference during reinstallation.

11. Remove the two remaining nuts; release the spring and damper assembly and lower sufficiently for access to the air pipe connection.

CAUTION: Install plugs to open connections to prevent contamination.



12. Disconnect the air pipe.

13. Remove the spring and damper assembly.

14. Remove and discard the paper gasket from the spring and damper assembly.

Installation



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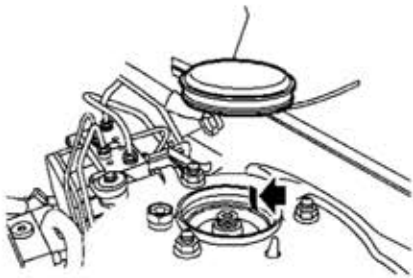
ALWAYS SUPPORT THE VEHICLE ON SAFETY STANDS.

1. Clean the spring and damper location.

2. If installing a new spring and damper assembly, remove the air connector blanking plug from the assembly.

CAUTION: Ensure air pipe connections are clean.

3. Position the spring and damper assembly, connect the air pipe but do not tighten the union at this stage.



4. CAUTION: Ensure the paper tag on the gasket is visible through the large hole on suspension turret.

5. Locate the spring and damper assembly to the body, install the top mounting nuts, align the stud to the reference mark and tighten the nuts to 56 Nm (41 ft. lbs.) .

6. Install the cap to the top mounting.

7. Tighten the air pipe connection to 3.5 Nm (2.58 ft. lbs.) .

8. Connect the hub to damper, install the bolts and tighten to 250 Nm (184 ft. lbs.) .

9. Secure the brake hose and ABS sensor harness to the damper.



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10. Left-hand side only:

11. Secure the pad wear sensor lead.

12. Install the washer, connect the stabilizer bar link, install the nut and tighten to 100 Nm (73.75 ft. lbs.) .

CAUTION: The system must be pressurized before lowering the vehicle on the suspension.

13. Pressurize the suspension.

14. Install the road wheel(s) and tighten nuts to 140 Nm (103.25 ft. lbs) .

15. Remove stand(s) and lower vehicle.

16. Check the front wheel alignment.