

Range Rover L322 Wabco Air Suspension Compressor Removal

by **x8rltd** on April 3, 2014

Intro: Range Rover L322 Wabco Air Suspension Compressor Removal

It is very common that the piston ring seal within the Wabco compressor wears down reducing compressor performance leading to noisy, slow rising or even inactive air suspension. This guide shows how to remove the compressor so that the piston ring can be replaced using our repair kit, available from us X8R Ltd.

This is a guide on how to remove the Wabco air suspension compressor from a Range Rover L322. There may be small differences in other models and variations.

Please be aware of any safety measures and take precautions where necessary, i.e. relevant lifting gear as well as restricting the vehicle from any unintentional movement.

CAUTION: Please remember to disconnect the battery before you start any work on the vehicle.



Step 1: Location of compressor

The compressor is located beneath the spare wheel, protected by a shell.

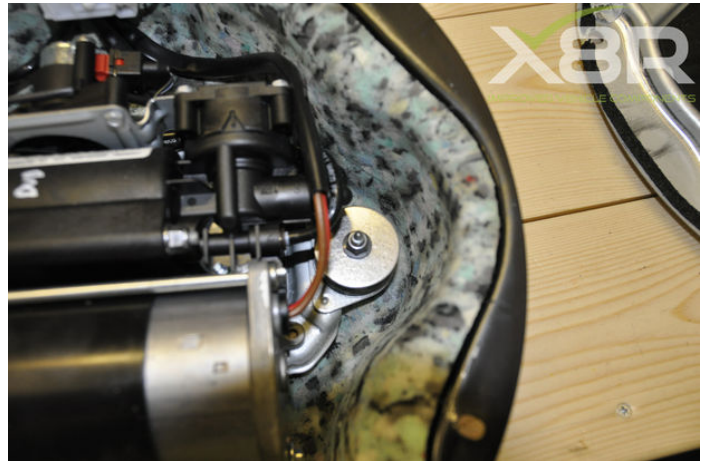
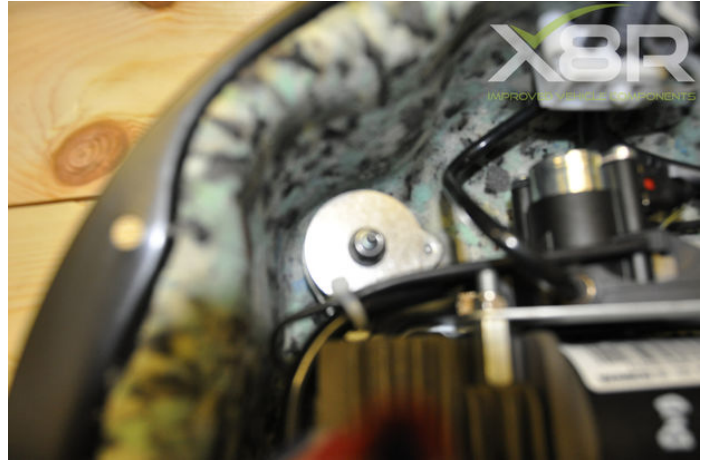
1. Remove the spare wheel to gain access to the protective shell of the compressor.
2. Disconnect the main electrical connector as well as the air tube, which are linked to the compressor.
3. Remove the 4 bolts which secure the protective shell to the vehicle giving you access to the compressor cover.
4. Lastly, remove the cover from the compressor deck to expose the compressor.



Step 2:

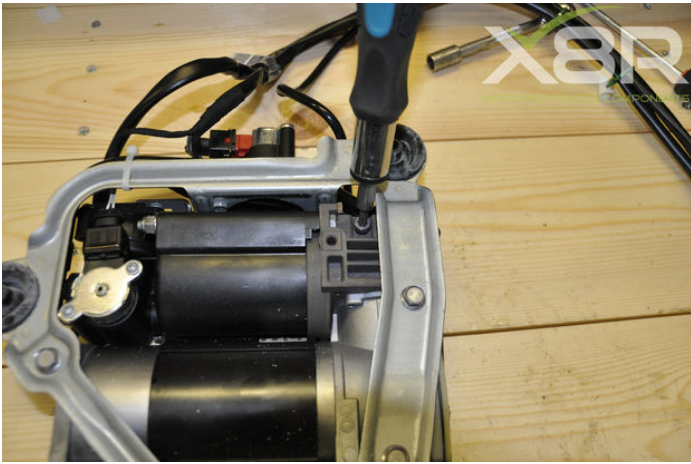
5. To remove the cable clamp from the housing requires some strength, so don't be afraid to give it a good nudge.

6. Noting down the position of all rubber mounts for the re-assembly later on, remove the three mounting nuts along with the washers to free the compressor from its housing.



Step 3:

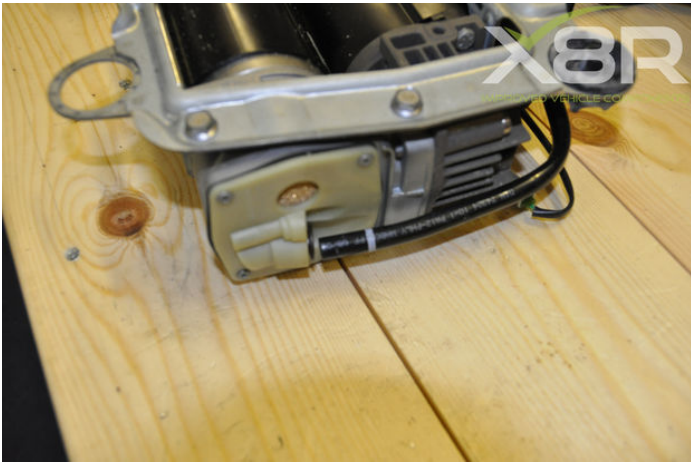
7. Located on the back side of the compressor is the temperature sensor, loosen its screw to free it up.



Step 4:

8. Remove the sensor along with the air tubes.

CAUTION: Please be aware, when trying to release the air tubes you need to hold down the quick release collar while simultaneously the air tubes away from the compressor.



Step 5:

9. Disconnected the two remaining air tubes from the compressor.

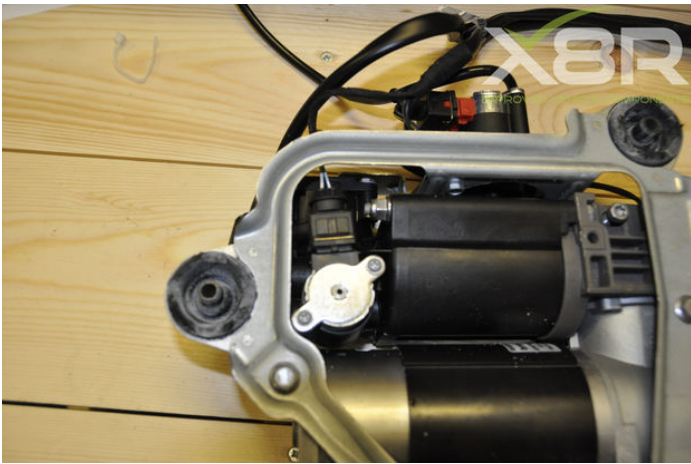
NOTE: To remove the bigger air tube you can release it from the elbow instead of the connection point.

CAUTION: Please be aware, when trying to release the air tubes you need to hold down the quick release collar while simultaneously the air tubes away from the compressor.



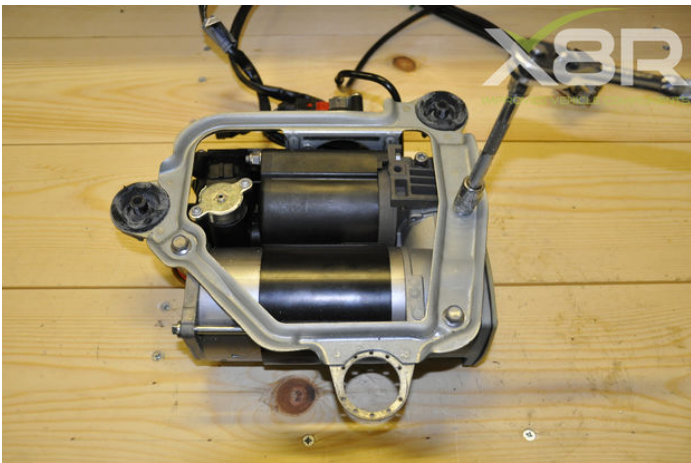
Step 6:

10. Remove the cable tie and the electric connector from the compressor.



Step 7: Compressor removal from bracket

11. To release the compressor from its bracket, you'll have to remove the three bolts located on the back side and a nut located on the front of the mounting bracket.



Step 8:

12. Finally remove the mounting bracket from the compressor.

To re-install the compressor, just follow the steps in reverse.



