

Guide to Audi allroad air suspension compressor removal

Removing the Wabco air suspension compressor: This is a guide based working on a L322 Range Rover, Some models may differ slightly.

It is important to be aware of all necessary safety measures while working on your air suspension system. This includes proper lifting and immobilizing of the vehicle if required and isolation of any stored energy to prevent personal injury or property damage.

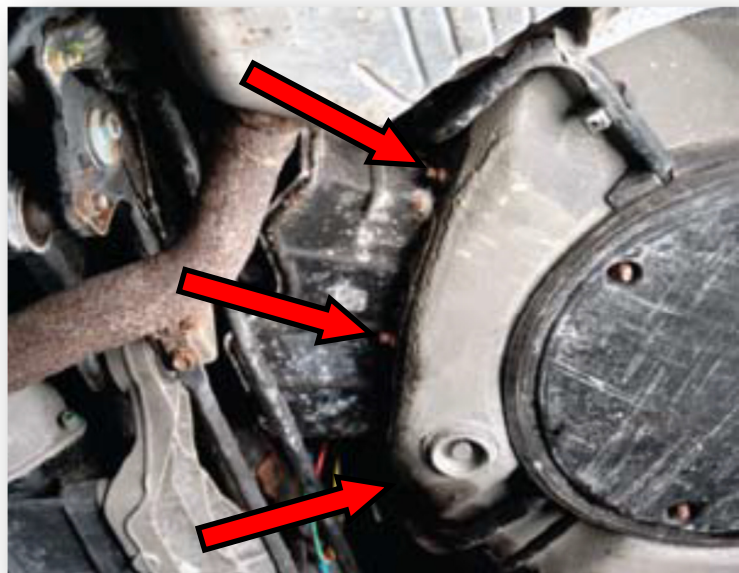


Basic steps to remove the compressor

1. Put car in jacking mode (press and hold both up and down level buttons for >5 seconds.)
2. Lift the rear of the car in a suitable manor using ramps or axle stands.
3. The compressor is located in front of the spare tire well underneath the car. See view below.



4. Remove the protective cover from the underside of the compressor held on by three 10mm nuts shown below.



5. With the three nuts removed, remove the cover to expose the compressor.

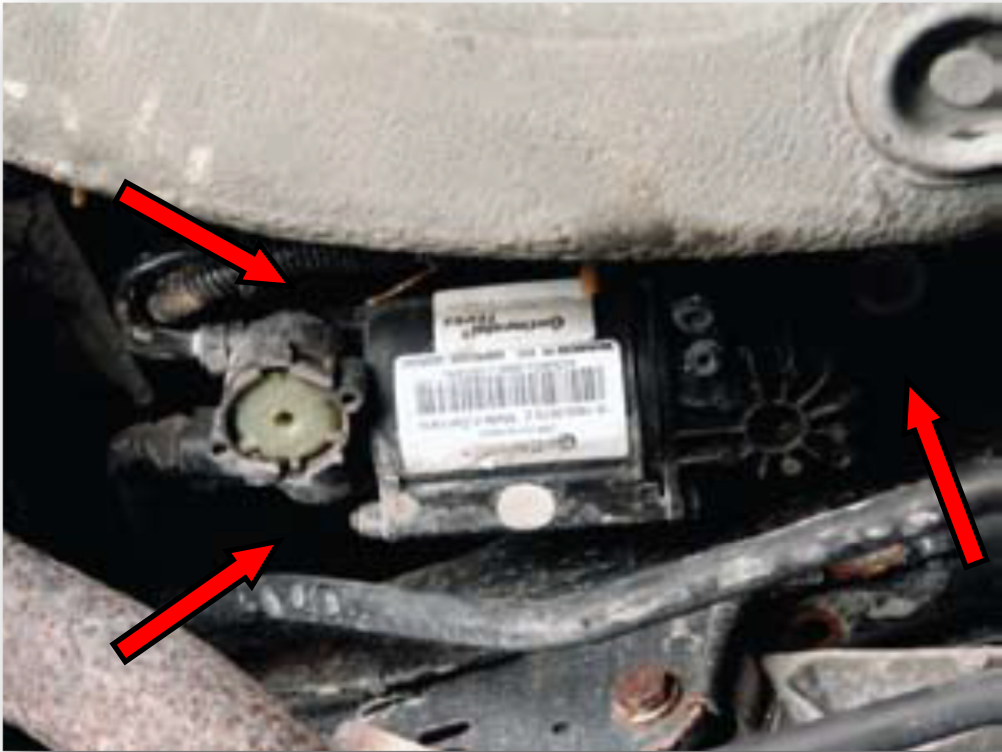


6. . Disconnect the three electrical plugs, One plug is on the solenoid while the other two are positioned to the right. Unhook (lift upwards) & Disconnect all 3 electrical connections (Motor, Temp sensor & solenoid Valve). Cut Cable ties where required to ease the removal, new ones provided in kit.

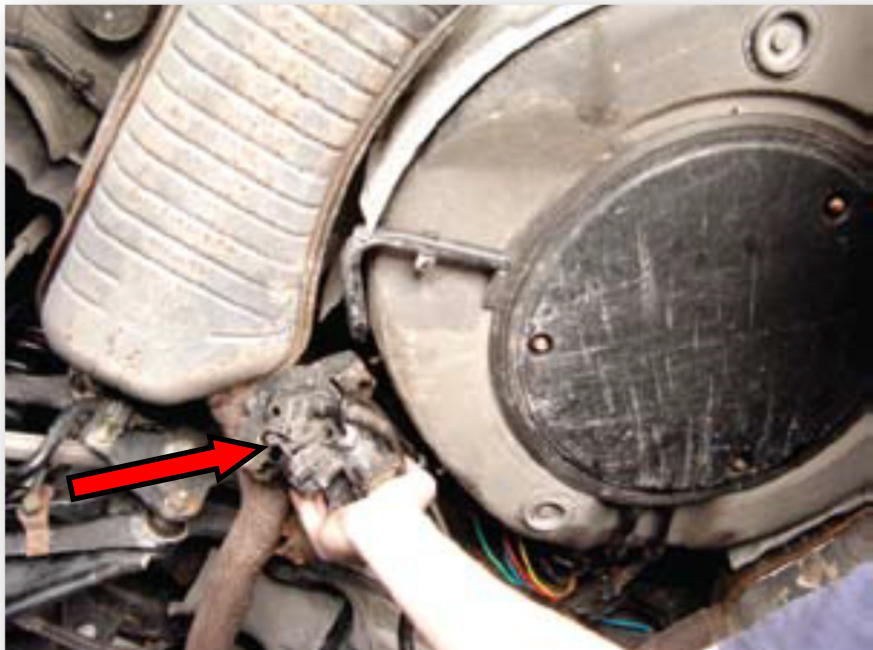
7. Remove the black 4mm air pipe from the end of the compressor by unscrewing the 10mm brass fitting (Do not loose the brass fitting, seal & tapered sleeve on the end of the pipe!!)

8. Undo the soft rubber intake pipe going to the compressor, this can be done at various places. If you wish to remove the stiffer plastic hoses at this time by pushing the outer collar inwards while pulling gently on the pipe.

9. The compressor is held on with three 10mm nuts, one on each isolator. Note the position of the washers, sleeves, springs and isolators, Isolators will be reused on the assembly.

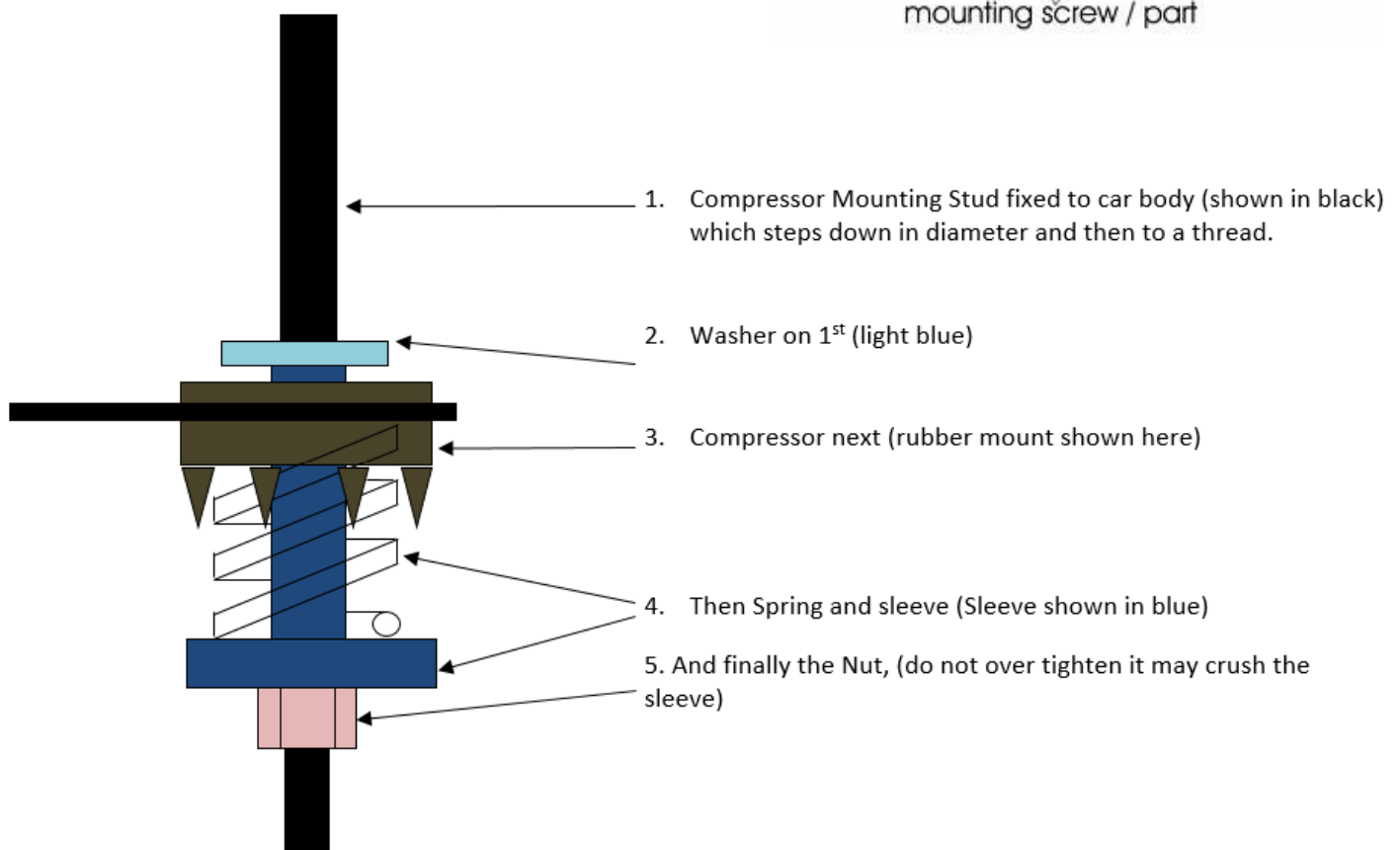
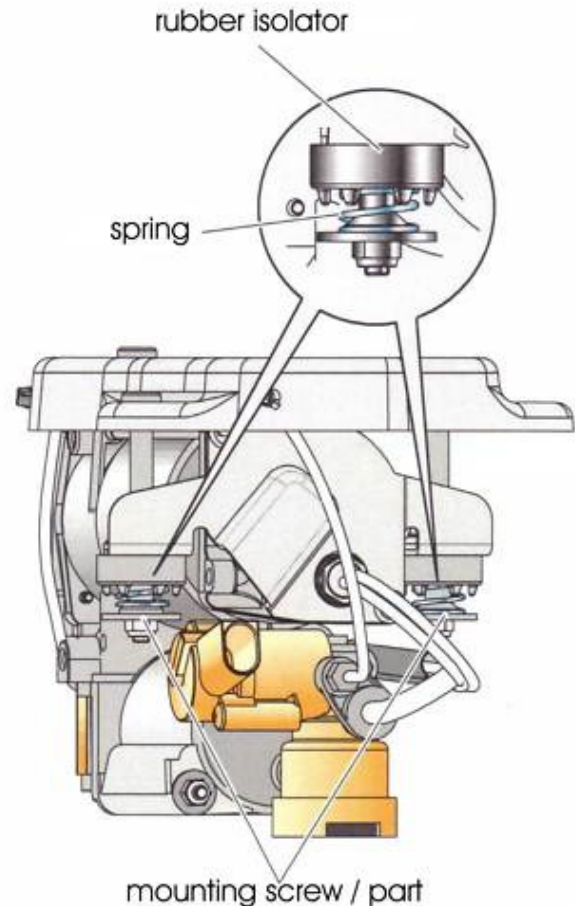


10. Remove the compressor the car.



11. Re-fitting the compressor is the reverse.

See a rough schematic and sketch below and opposite for the order of the isolator mounting components to hold the compressor in place



The Compressor's weight should sit on top of the springs to reduce any noise and vibration. The compressor should not touch any parts on the car body.