

# Land Rover Range Rover L322 2006 +, Range Rover Sport, Discovery 3 EAS Air Compressor Filter Drier Unit Repair Kit Instructions

by **x8rtd** on March 14, 2014

## **Intro:** Land Rover Range Rover L322 2006 +, Range Rover Sport, Discovery 3 EAS Air Compressor Filter Drier Unit Repair Kit Instructions

Is your vehicles air suspension rising slowly, noisily, or perhaps failing to rise at all? EAS Amber light lit, Fault code C1A20, C1A1364, C50, or C1A20-64 showing? One or more of these errors: "Suspension error only normal height available" "Suspension fault; pressure not rising quick enough" Or "Pressure does not decrease when venting gallery"

If so the chances are your EAS air compressors filters are saturated or your piston ring and glide ring has deteriorated reducing the output of your EAS air compressor (please see our other instructions for this problem). Our replacement filters will repair this fault and restore your compressor to good health, as follows are instructions guiding the install of our compressor filter kit available exclusively from us X8R Ltd.

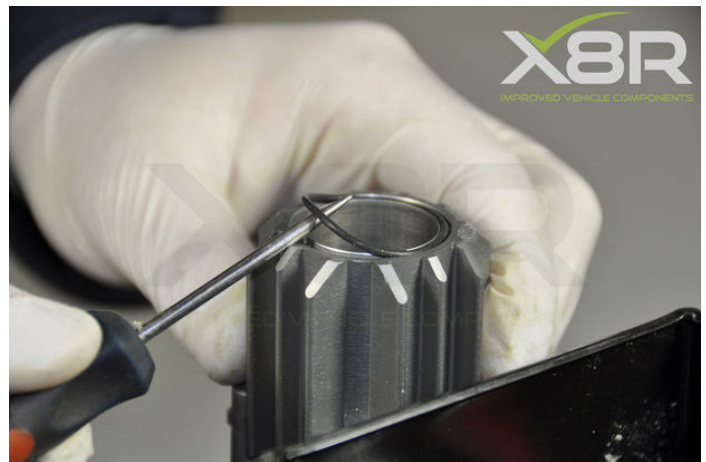
For the additional O-ring instructions please follow this link:

<http://www.instructables.com/id/Placement-of-addit...>



## **Step 1: Placement of Additional O-Rings in Kit**

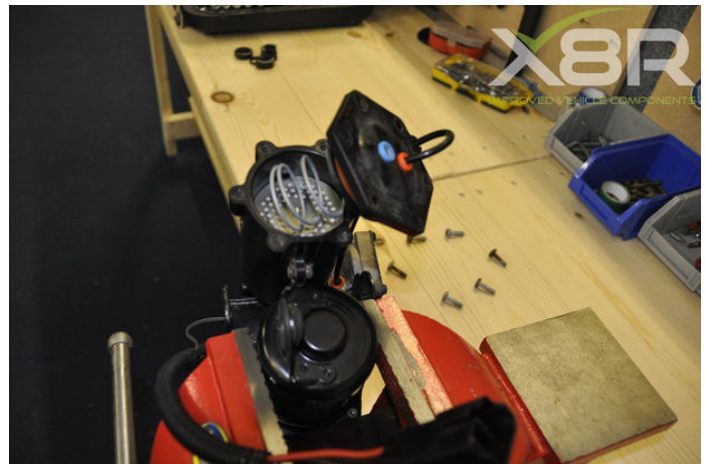
Please refer to the images in this step for the placement of the additional O-rings we have started to supply in our kits from 2015 on wards.





## Step 2: Remove filter cover

Take a T27 Torx and unscrew the 6 bolts on the filter unit cover, the filter cover is spring loaded, take care when removing cover, remember which bolt fits which hole for re installation. Remove the cover gently remembering the orientation of the spring.



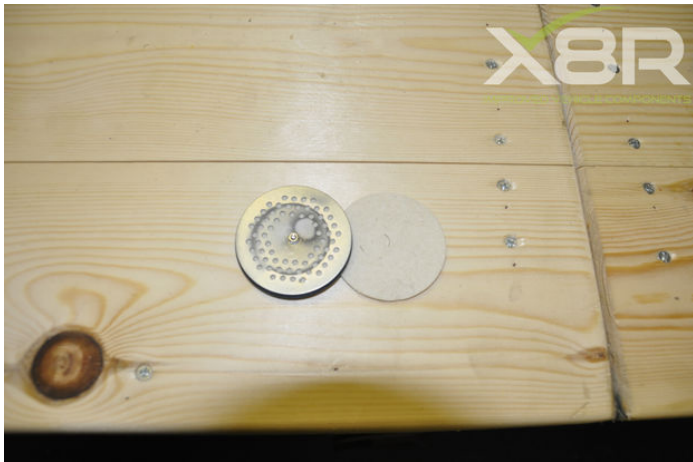
### Step 3: Remove old filters

Using a small flat head screw driver lever the first filter out of the unit. Remove the second felt filter and discard.

Take a bag and remove the drying beads from the filter unit by tilting the filter unit in to the bag, these can then be disposed of.

Take flat headed screw driver and remove final filter at the base of the filter unit.

It is a good idea at this point to tilt the filter unit on its end to remove any wayward drying beads.



### Step 4: Insert new filter and media

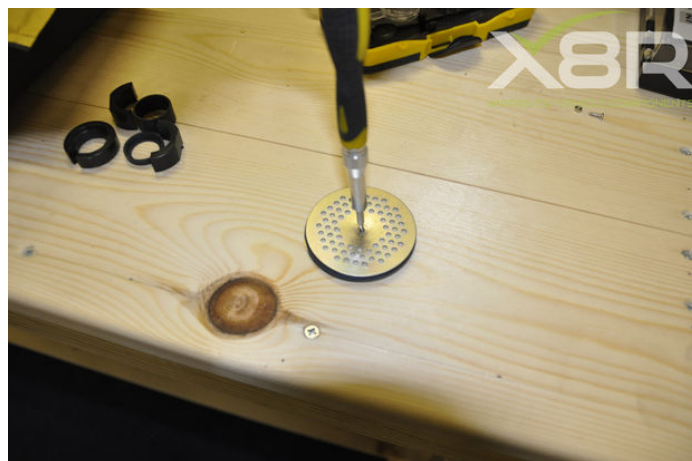
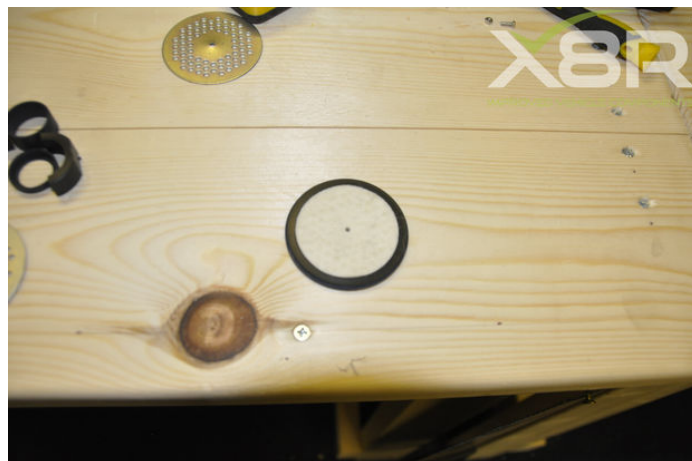
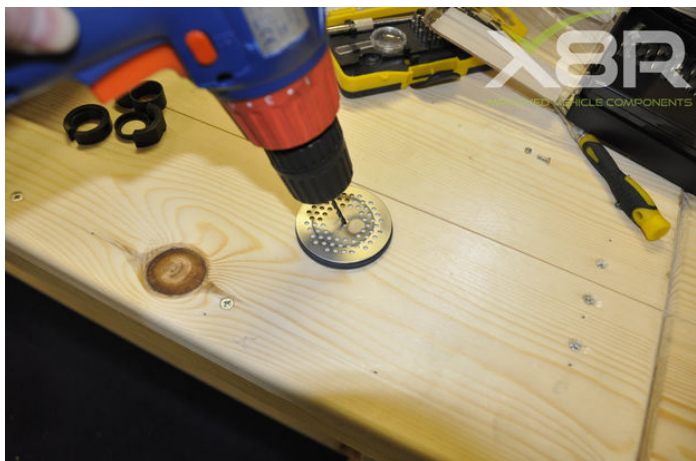
Install our replacement felt filter at the base of the unit; use the reverse of a screw driver to tap the filter snugly in to the base of the filter unit.

Pour new drying beads in to filter unit, level off the beads and fit the new felt filter on top.



### Step 5: Adapt original metal filter

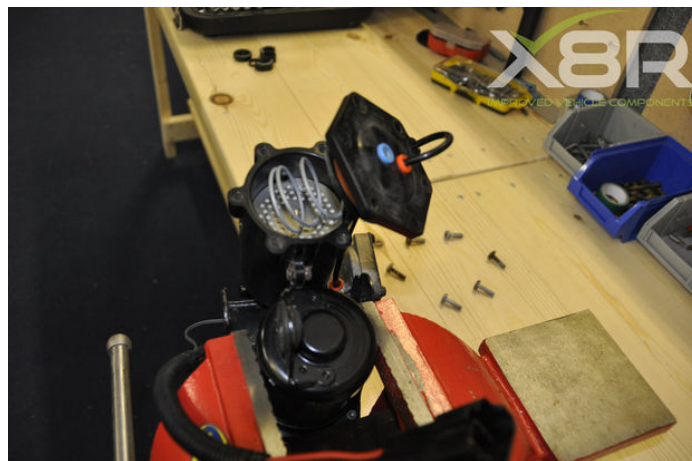
Take the original metal filter and drill out the rivet. Remove the rivet both sides and separate the filter. Retain the two metal face plates and O-ring from around felt filter and dispose of old felt filter. Take the new filter with plastic surround from our kit and fit O-ring in to the outer plastic part. Refit face plates and either rivet back together or punch hole through felt and refit using small nut and bolt included (using lock tight on bolt thread). Ensure face plates are central to felt filter and that you can see O-ring around the circumference of the filter, this mates to the filter wall, this is important to prevent air circumventing the filter.



### Step 6: Insert revised metal filter and replace cover

Insert metal filter back in to filter unit, if metal filter was refitted with nut and bolt rather than rivet ensure the bolt side is pointing outwards rather than damaging the felt filter below.

Take spring and refit filter cover. The filter replacement is now complete, we would recommend testing the compressor at this point on the bench to check successful install of new filters.





### Step 7: Test compressor

Connect a 12v positive feed from a car battery to the Red wire to the compressor and a feed from the negative terminal of the battery to the Black wire to the compressor. The compressor will now run, check that output is good, you shouldn't be able to stop air being pushed out of the unit when putting thumb over output pipe, if you can stop flow there is a problem with install, if not output is good and you can proceed to reinstall.

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