

! Dear Customer please choose a part of this document that is particular to the product you purchased.

Disclaimer

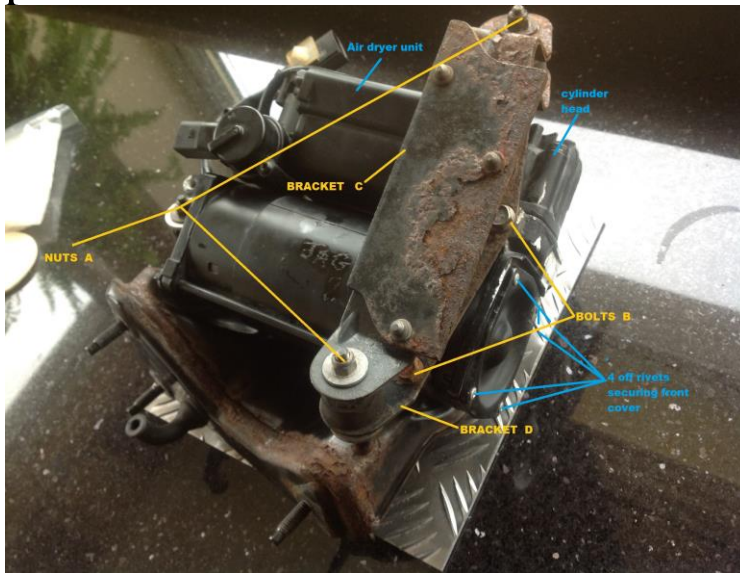
This document is the property of 4x4 AirSeals and should not be redistributed or replicated / reprinted, it is for the sole use of visual reference of 4x4 AirSeals customers. Please consult with your vehicles workshop manual and take all necessary precautions with regard to protecting your safety whilst working on your vehicle! Protecting yourself and your vehicles systems from damage, the information below as been collated from our own personal & customer experiences and should be used as a guide only, we are not qualified motor vehicle repairers and we advise that you research the task in hand before commencing with your repair.

4x4AirSeals - Jaguar Xj (X350)

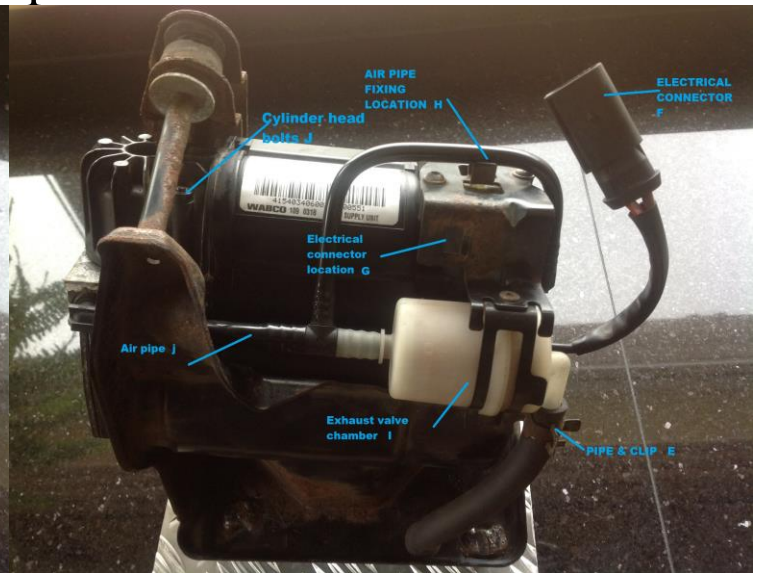
Compressor Piston Seal Fitting Instructions

Please go to our website www.4x4airseals.com/technical section and view the video fitting instructions for this kit.

picture 1



picture 2



picture 3

picture 4

picture 5



Picture 1 ! Take digital photos of both sides of compressor so you have a record on how the parts reassemble. Remove 3 off nuts **A** then remove bracket **C**, remove 3 off bolts **B**, remove bracket **D**, turn compressor over making sure no parts are lost in the process.

Picture 2 Remove vehicle mounting plate which should be loose from removing the 3 off nuts and brackets in the previous step above. Remove pipe and clip **E**. Detach air pipe at location **H** and move pipe down the side of air dryer without damaging the pipe itself and at the same time detach the exhaust valve chamber **I** spring clip bracket.

Disconnect electrical connector **F** from its location **G** by twisting at approx 45 degrees downwards and pulling out of its location.

Remove 2 off cylinder head bolts using t30 torx tool, remove cylinder head to one side without kinking or damaging the main air pipe,

Remove any dust from the cylinder bore **Picture 3** and observe the condition of the bore any signs of slight scoring will reduce the longevity of your new seal! Severe scoring will result in complete replacement of the compressor unit as your newly fitted piston seal will be damaged almost immediately depending on the severity and positioning of the scoring in the bore.

Before removing the piston ring take note of the position of the piston ring in relation to the locating pin (timing pin) in **picture 5**. Remove the old piston ring by stretching it over the connecting rod piston head pictured in (picture 4)

Ensure the piston ring groove is free from dirt and grime or residue dust from the old piston ring! Before fitting the new seal this also applies to the crank housing! If you are feeling particularly brave! This pump has a face plate riveted to the front which can be removed by drilling out the 4 off 3mm diameter rivets with a 3mm diameter drill which will allow extensive removal of old piston seal dust from the housing.

Brake parts cleaner aerosol is particularly useful for this purpose, you will then have to re- rivet the face plate back on! Otherwise just use an air line and try to maximise dust removal with a face mask of course. Fit your new seal the same way it was removed in relation to the locating pin ,when fitted close the seal slightly with your fingers and visualise that the piston seal locating pin is

positioned correctly **picture 5** and that the new piston ring can have a spring type feel, opening and closing slightly within the piston head.

Clean the cylinder bore and mating surfaces and fit the new O ring at the base of the cylinder in its groove, if your compressor has a shaped O ring seal then re-use that seal.

! Please note if you purchased an Air Dryer kit from us, it's now time to fit that kit by consulting the Air Dryer Kit fitting instructions.

Before refitting the cylinder head housing back over the piston you can coat your new piston seal with a slight smear on the outside diameter of the seal with the special lubricant supplied in the kit, this will help your new seal to bed in.

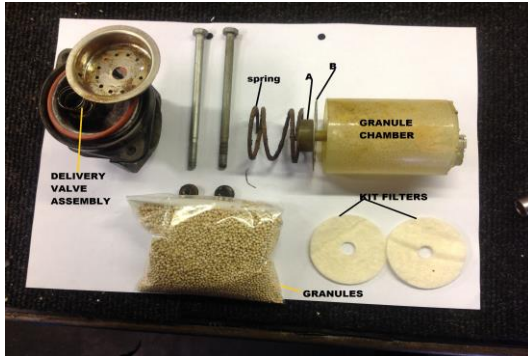
Refit your compressor bore housing assembly over the newly fitted piston seal and secure cylinder head with the 2 off cylinder head bolts, you can apply a little Loctite to the bolts for added security. Re assemble your compressor in reverse order consulting your own personal photos or notes with regard to cable and pipe routing.

4x4AirSeals - Wabco Air Dryer Filtration Repair Kit

This kit can be fitted in Air suspension compressor Air Dryer Units from vehicles: Jaguar xj8 2003-2007, Range Rover l322 2002-2006, Land Rover Discovery 2, Audi Allroad 2000-2005, Mercedes S class + many more models.

Please go to our website www.4x4airseals.com/technical section and view the video fitting instructions for this kit.

Picture 1



picture 2



picture3



picture 4



Picture 2 Remove 2 off nuts securing air dryer unit to the cylinder head unit then separate the air dryer from the cylinder a spring will assist as you disassemble.

Picture 1 At this stage you will be holding the air dryer in your hand, first step is to remove item A by pulling it off the spigot, then position a suitable container on your bench tip the contents of your air dryer into the container, the metal filter plate will need to be recovered from the medium as we will be re-using the plate.

There is no need to remove the granule chamber from the housing as illustrated in picture 1, Clean out the chamber free from condensation and old granules, using thin nosed pliers pull out the filter pad in the bottom of the chamber! Making sure there are no loose granules to block any air holes in the bottom. Fit 1 of your new filter pads into the bottom of the granule chamber, with your finger over the granule chamber centre spigot, tip your new bag of granules into the chamber slowly until they appear near the top of the chamber. Settle the level of the granules then fit your remaining filter pad on top of the granules then place the metal filter plate on top of the pad securing it by refitting item A which is placed hard up onto the face of the metal filter plate this will avoid the contents of the air dryer from falling out while you assemble/inspect the remaining parts.

If you prefer to disassemble the cylinder head and air dryer housing to a more advance stage for cleaning purposes then please refer to pictures **1, 3, 4** which clearly show the breakdown of parts, the delivery valve assembly in picture 4 and flow valve assembly in picture 3 require particular attention that you do disturb fitting of these parts.

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