

AC3210-ONTR - Fitting Instructions



- If fitting in Conjunction with the AAA Air bag coil delete kit, please familiarise yourself with the AAA instructions for the air bag fitment.
- For the Airbag System to be Road legal, the air compressor must be connected to an ignition source so whenever the car is on the compressor is on. The vehicle must be inspected and certified by a Vass Engineer
- Without Engineering- These are For Offroad Use Only and are not Road legal
- The airbags must have access to an air tank with minimum 4L of air available with the car on or off.
- Make sure any suspension arm bolts that you have loosened are re-tightened with the vehicle as close to normal ride height as possible.
 - this can be done by measuring where your arms sit before pulling the car apart- and then jacking the arm into that location during re-assembly- this will reduce strain on the bushes.
- This Supplementary kit has 2x 90deg hose fitting and Black ¼ airline supplied, fit these 90deg elbows into the top plate of the airbag kit using liquid sealant- (Discard the straight fittings and Red 6mm air-line supplied with the air bags)
- You will need the car jacked up and sitting on 2 axle stands under the chassis- and have both rear wheels removed.

1. Remove nut from the Rear bolt on the upper control arm (Leave bolt in)
2. On the left side- Unclip the wiring loom that sits on the top of the chassis mount.
3. Fit the corresponding left and right Valve mounting bracket fit the supplied 6mm bolt and flanged nut to the top of the plate, tighten the suspension arm First (with the arm at ride height) and then tighten the 6mm nut.



4. Unbolt the Bump stop and fit the link rod mounting bracket to each side.

- a. Note the tab for the mounting pin is folded downward.
- b. Its easiest to fit the pin before fitting the bracket to the car



5. Assemble the Valve ready for Install.

- Swap the lever arm for the supplied alloy arm.
- Fit the plastic breather fitting to the top outlet (the left and right units will be opposite)
- Fit the supplied brass crimp fittings to the remaining middle and bottom inlets.



6. Bolt the Valve to the Bracket you have previously fitted to the chassis, using the supplied m6 bolts and flanged nut.

Ensure the Plastic Outlet/breather is to the top

Now you can either set the height by trial and error or measurement-

Option 1: leave the link rod till last- once the car is on the ground- and the system full of air- set the car to the desired height by manipulating the arm up and down- and then measure the link rod required.

Option 2: Cut a Rod to 70mm long- this will give enough adjustment for approx. 40-60mm Lifted Vehicles.

Once the car is on the ground small adjustments can be made later.

- Use a hacksaw or angle grinder to cut the rod- use a file to chamfer the cut edge.
- Once the link rod is attached- give the alloy arm a slight bend so that the link rod is pointing straight up and down.



7. Running the airlines- It's important that none of the airlines can be cut by sharp edges or pinched by moving parts.

The Right-hand side airbag has a braided line supplied to go past the exhaust.

- Set this line up with a push fitting either end.
- Cut a short piece of plastic hose and fit to the bottom inlet on the valve to adapt the braided hose onto the valve.



8. With the Air Bag Installed- run 2 short hoses from the middle outlet on the Valve to the Elbow fitting in the top plate of the airbag.

9. Run the air supply from your compressor to the supplied one-way valve- and then into the T Adaptor

Continue a supply airline across to each Valve.

Run the Air supply through the original top spring mount and onto the bottom inlet on the valve, On the RH side, use the braided hose previously prepared to get past the exhaust.

Run these airlines along the chassis rail- keep them clear of heat, and sharp edges.



10. Once all Air Lines are connected, tie them together to make sure they can't touch or rub on anything

11. With the Link Rod Disconnected, run the air compressor and cycle the lever arm on the valve all the way up and down through 10 Cycles, (hold it in each direction for at least 30 seconds) to bleed trapped air out of the system

12. If you have pre-cut a link rod- re-install. Fit wheels and lower car.

If you haven't pre-cut a link rod- let the car down onto its wheels. Reach under and lift the Lever arm on the valve (compressor must be on) until the car is at the desired ride height.

Measure the distance between the 2 ball joints and cut a Link Rod to Suit.



Before Driving- Ensure all Suspension Bolts have been re-tightened at ride height

13. Once the vehicle has been test driven and everything has settled re-measure the height of the vehicle.

Small Height adjustments can be made by undoing the nut on the Lever arm and adjusting it up or down in the slot. If you need to adjust more than this, then remove the link rod and lengthen or shorten as required.



It is Recommended to Have the vehicle Wheel aligned once the desired ride height has been calibrated.



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