



## **FITTING INSTRUCTIONS FOR THE BOSS LA-58 AIR SUSPENSION ASSIST KIT**

Safety First! Please make sure you have read the Safety recommendations supplied with your Kit

- 1 **Check you have the right kit for the right vehicle. The vehicle make and type is printed in the top left hand corner.**
- 2 When jacking the vehicle up, secure vehicle in a safe way with Jack/Axle stands under the chassis.

### **ASSEMBLING THE AIR BAGS**

Assemble the Airbags by bolting on the top and bottom end plates to the alloy rings on the air bags with the 6 threaded nuts and bolts and spring washers (top and bottom) supplied in the kit. It's important to make sure you leave the 6 bottom bolts on each lower bracket just loose enough to be able to twist the plate around on the bag to allow for final alignment adjustment during the fitting process.

**Note – Top bracket is offset to allow the bag to be positioned away from the chassis rail. Air fitting should be on the inside.**

### **FITTING BAGS TO THE VEHICLE (Do one side of the vehicle at a time)**

Jack one side of the vehicle up and place jack stand underneath for safety.

- 1 Slide the bag assembly into place on top of the axle at the bottom, and slide the top bracket into place, lining it up with the holes in the top spring seat tower. Make sure that the air hose connector is accessible and on the inside facing the center of the vehicle.
- 2 Note – Each top bracket is bolted to the top spring seat with the x2 20mm bolts and nylock nuts.
- 3 Before you tighten the bottom bolts you can rotate the Air bag end plates (top or bottom) to align them if necessary.
- 4 When you have the bag assembly in its correct position with the bottom bracket firmly on the axle and the top bracket in its correct position with the holes lined the next step is to bolt up with supplied bolts.
- 5 Run the left and Right airlines to the x2 Schrader valves and supplied mounting plate.

**Important Note;** Once you have fitted and adjusted the bags and rings, tighten the Bag Bolts (the 6 threaded bolts between the end plate brackets and the alloy bag ring) leaving approximately **1 - 2mm** gap between the two plates. When bolting the plates to the airbags, tighten the bolts up in a similar way to how you do wheel nuts up on a car. Do the bolts up evenly moving from one side of the plate to the other as shown on the diagram over the page. Make sure the gap is even all the way around. Do not over tighten as this can cause leaks. That's all there is to it!

### **HELPFUL HINTS**

- 1 If you have a problem with air leaking around the Air bag seal area, loosen the 12 bag bolts and rotate the bag 90 degrees and retighten 12 bag bolts evenly and recheck for leak with warm soapy water.
- 2 **When installed, initially inflate to 80-100psi and then reduce pressure to "normal" before using** ("normal" varies depending on vehicle and load etc., and you will find what is right for you). This is important to allow the rings to "bite" into the rubber and give a good seal.

### **AIR LINE & FITTINGS**

1. Keep air fittings free from dirt during assembly and mount the Schrader valve unit (Air valves) in a convenient accessible location
2. **Keep the airline at least 100 mm away from the exhaust systems**
3. Make sure the airline has a clean straight cut free of burrs on the edges and don't squash the line.
4. To fit the air hose into the fitting simply push the airline **firmly** into the air fitting because that activates the seals. The lock claws will automatically grab the tubing and the elastic sleeve surrounding the airline seals the tube. Now, give a short sharp tug on the line to make sure it is seated.
5. Inflate the system and check for leaks using very soapy water, you're looking for active bubbling indicating a leak.
6. If leak is found remove the airline from the fitting and rotate the airline until leak stops
8. Do NOT use any thread tape, sealant, oil, grease, or any other substance on the airline when inserting it into the air fitting. It will cause a leak.
9. Zip Tie the line to the chassis. Install your door decal onto your door jam and you're finished

### **Safety First!**

The airbags are intended to help the vehicle maintain a level and safe stance when legally loaded. Do not exceed the factory GVM rating.

**If you exceed the factory GVM or overload your vehicle you run the possibility of damaging your chassis.**

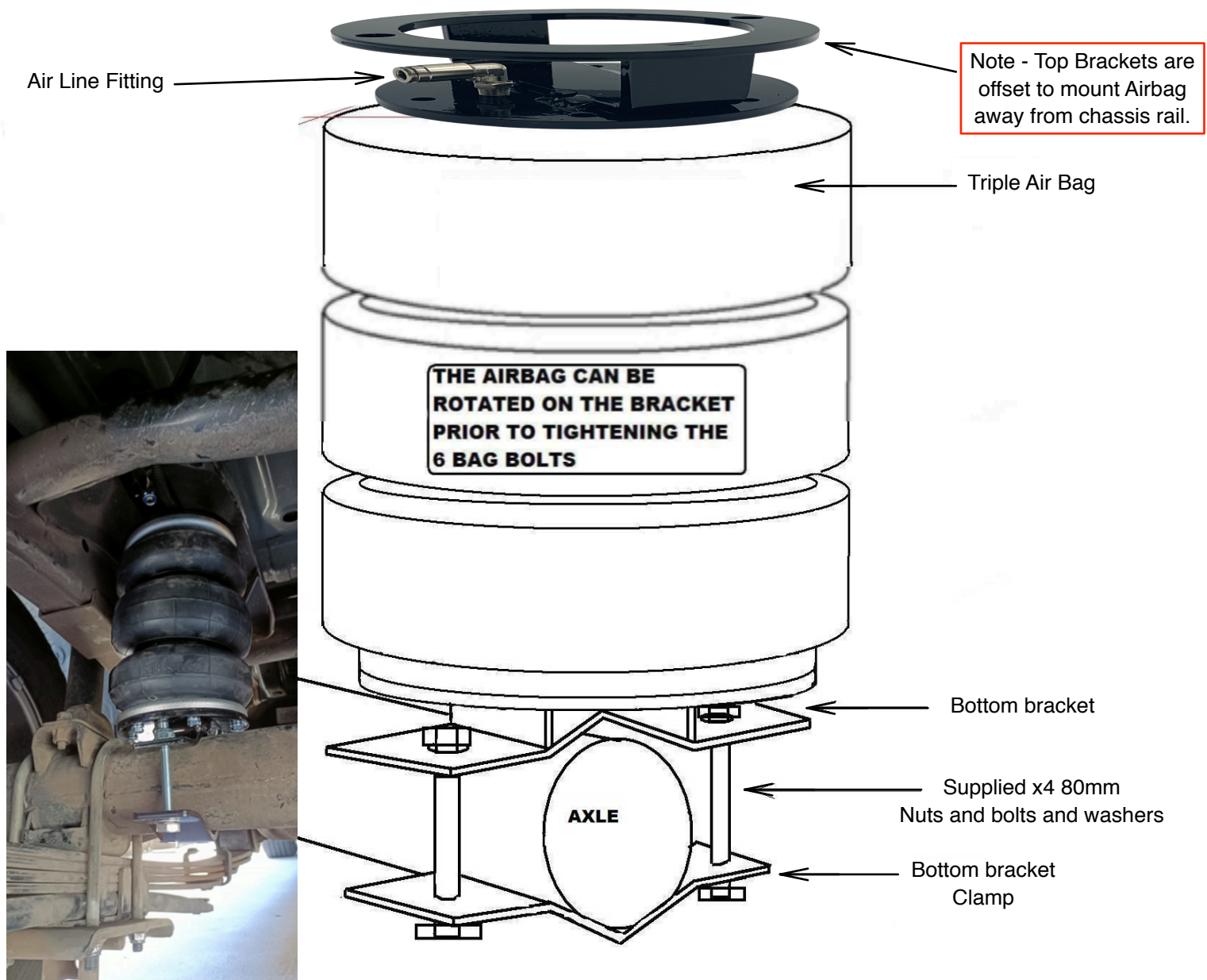
Do not inflate bags above 200psi and do not drive with bag bottomed out.

When retightening any factory fitted bolts such as U Bolts make sure you tighten them to the vehicle manufacturers torque specification. If you are uncertain about the specification contact your vehicle manufacturer or dealer for details. Note: Replace your U bolts if they appear damaged. No responsibility whatsoever is accepted for the fitment of incorrect parts. The onus is clearly with the fitter to ensure the correct parts are used and those parts are correctly fitted to the particular job. Any damage to parts or consequential damage or cost resulting from the fitment of incorrect parts or fitment are totally the responsibility of the fitter.

Now you can pump up and enjoy your ride with BOSS. Thanks again for choosing a BOSS Air system.

# Ssangyong Musso Leaf Spring - LA-58

Load assist Air Bag kit



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FOR HELPFUL INSTALLATION VIDEOS**



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