



FITTING INSTRUCTIONS FOR THE BOSS LA-47 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

Align and Assemble the Airbags by bolting on the top and bottom end plates to the alloy rings on the air bags with the 12 bolts and spring washers for the bag end supplied in the kit. It is important to make sure you leave the 6 bolts on each end just loose enough to be able to twist the plate around on the bag to allow for final alignment adjustment during the fitting process. (See the red arrows on the diagram)

Important Note; Once you have aligned the bags and brackets, tighten the Bag Bolts 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!

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 Remove the U-bolts and Bump Stop Plate from the top of the Leaf spring.
- 2 Bottom bracket is off center slightly and fit with Airline fitting on the inside, facing the center of the car.
- 3 Slide the bag assembly into place.
- 4 When you have the bag assembly in its correct position, Re-fit the U bolts over Bottom Bracket
- 5 Tighten U Bolts to Factory specifications.
- 6 Mount the top bracket to the chassis with the supplied bolts and tighten.

HELPFUL HINTS

- 1 If you have a leak at the Airbag and bracket seal, Loosen the bag bolts and rotate the bag inside the alloy rings. This will reposition the Airbag seal in a different location on the bracket surface.
- 2 The alloy ring is designed to bite into the bag bellow to seal it, that's why its important to tighten bolts as mentioned above
- 3 **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
2. Mount the Schrader valve units (Air valves) in a convenient accessible location
3. **Keep the airline at least 100 mm away from the exhaust systems**
4. Make sure the airline has a clean straight cut free of burrs on the edges and don't squash the line (see the diagram over page)
5. To fit the air hose into the fitting simply push the airline **firmlly** 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.
6. Inflate the system and check for leaks using very soapy water, you're looking for active bubbling indicating a leak.
7. If leak is found where the airline enters the fitting, Remove the airline and recut the end square and make sure it is a cut clean with no burrs.
8. Make sure the airline is free to come straight out of the fitting and there is enough slack in the line not to pull on the fitting in normal suspension movement. You should try to zip tie the line to stop any movement in the swivel fitting
9. 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.
10. Zip Tie the line to the chassis
11. Install your door decal onto your Door Jam and your 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 to 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.

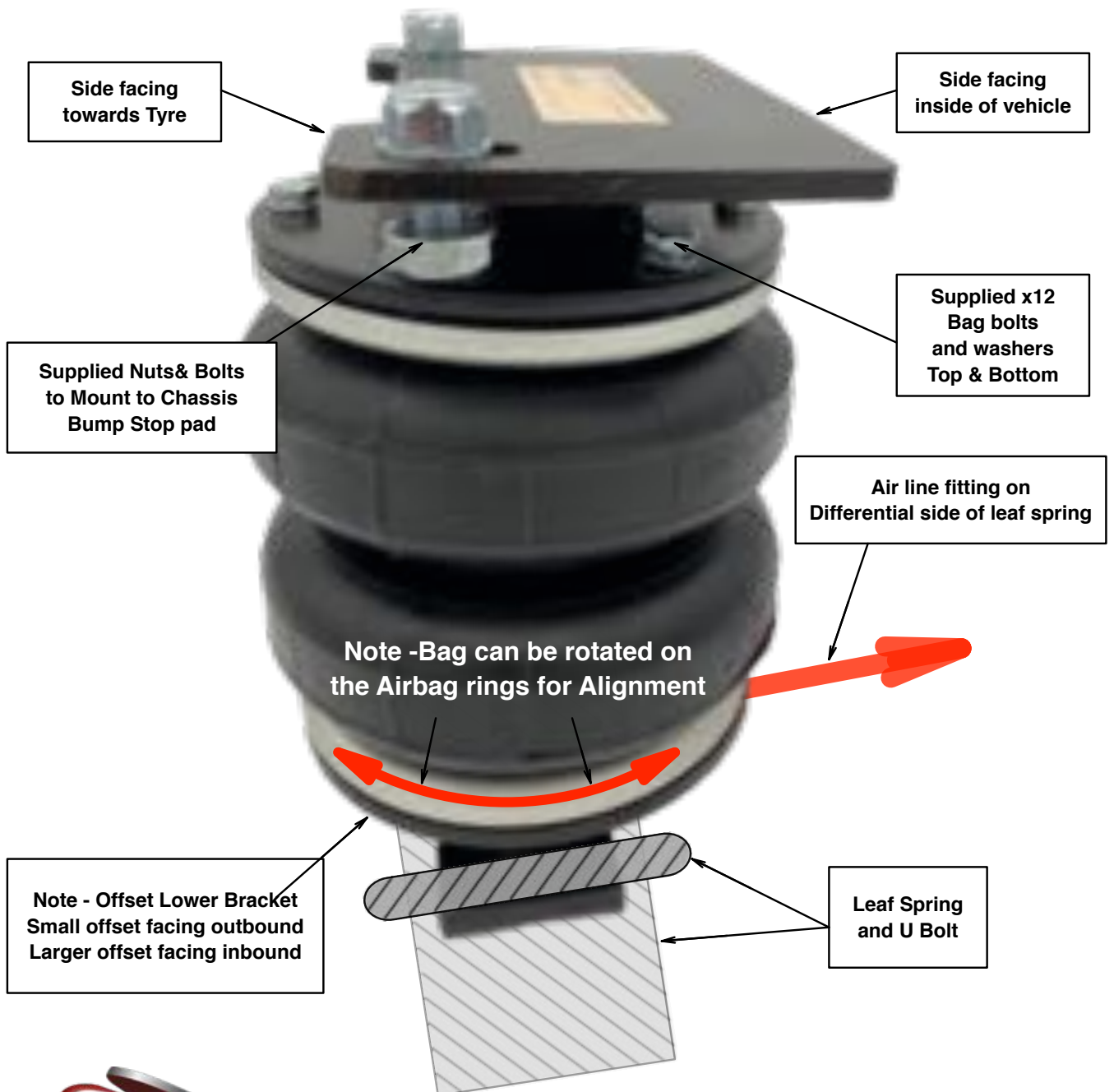
Now you can pump up and enjoy your ride with BOSS. Thanks again for choosing a BOSS Air system.



LA-47

Isuzu Dmax RG, Mazda BT50 TF

09/2020 Plus Suit 1"-2" lift



BOSS

AIR SUSPENSION

Boss Air Suspension
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