



FITTING INSTRUCTIONS FOR THE BOSS LA-115 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 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)

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

- 1/ Jack one side of the vehicle chassis up and place jack stand underneath for safety.
- 2/ Jack up the axle to take pressure off the Track rod so the bolt can be undone
- 3/ Remove the bolt that secures the Track rod to the Axle mount.
- 4/ Remove the Bump-stop
- 5/ Slide the bag assembly in place. Note - Top brackets are Off set on the Chassis rail. See pics
- 6/ When the bag assembly is in place put the longer bolt supplied in your kit through the bottom bag-plate, the Axle mount and the track rod and tighten to manufacturers specifications.
- 7/ Use M12 x 25mm bolt supplied to secure the bottom bag plate. (note bump stop is not refitted to the vehicle)
- 8/ The top bracket uprights will be sitting each side of the chassis so simply place the bolt supplied through the bolt holes in the top of the bracket mount above the chassis and tighten to hold the bag plate in place.
- 9/ Fit the airline into lower swivel fitting, turn the swivel inwards and create a curve in the airline and zip tie to arm as per pictures.
- 10/ Run airline along up trailing arm and loop up to chassis and run back to Schrader valve and mounting plate.

Important Notes; Once you have fitted and adjusted the bags and rings, tighten the Bag Bolts (the 6 threaded bolts between the black end plate brackets and the alloy bag plate) 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 alloy ring area, remove the 6 bag bolts and rotate the alloy ring 90 degrees.
- 2 The alloy ring is designed to bite into the bag bellow to seal it, that's why it's 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 unit (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.
5. 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.
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 from air fitting? 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
10. Install your door decal onto your Door Jam and you're finished

ONCE INSTALLATION IS COMPLETE AND THE VEHICLE IS OFF THE JACKS, CHECK TO SEE THAT THE BAGS ARE NOT COMING IN CONTACT WITH ANY SURFACE

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.

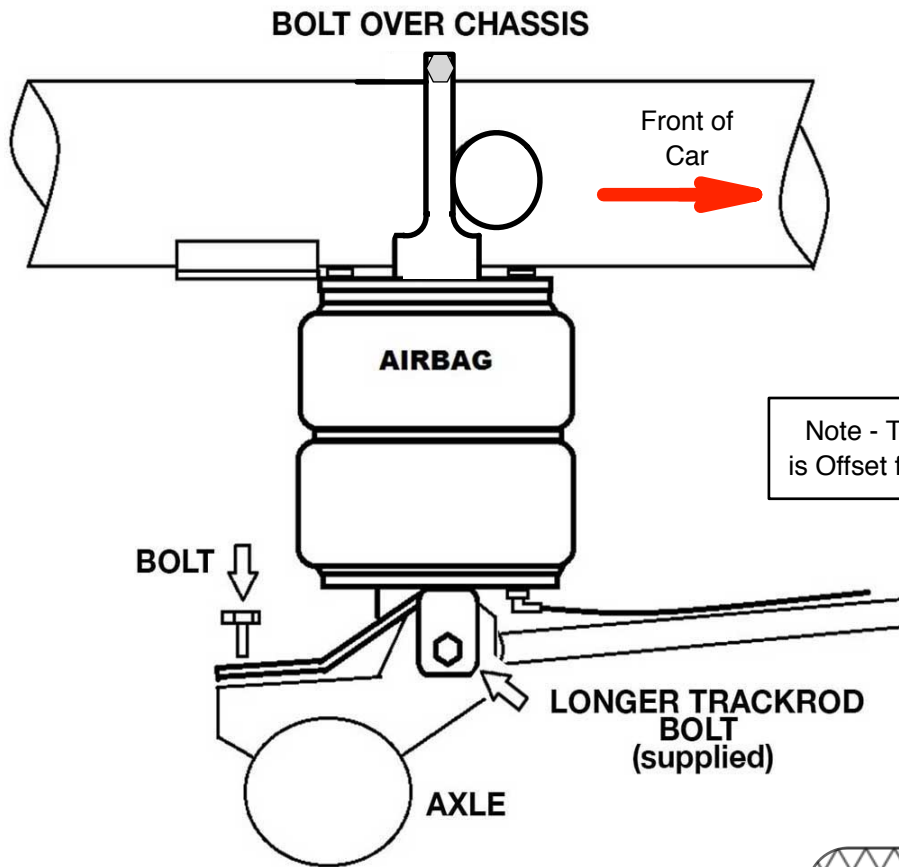
If you exceed the factory GVM or overload your vehicle you run the possibility of damaging your chassis.

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

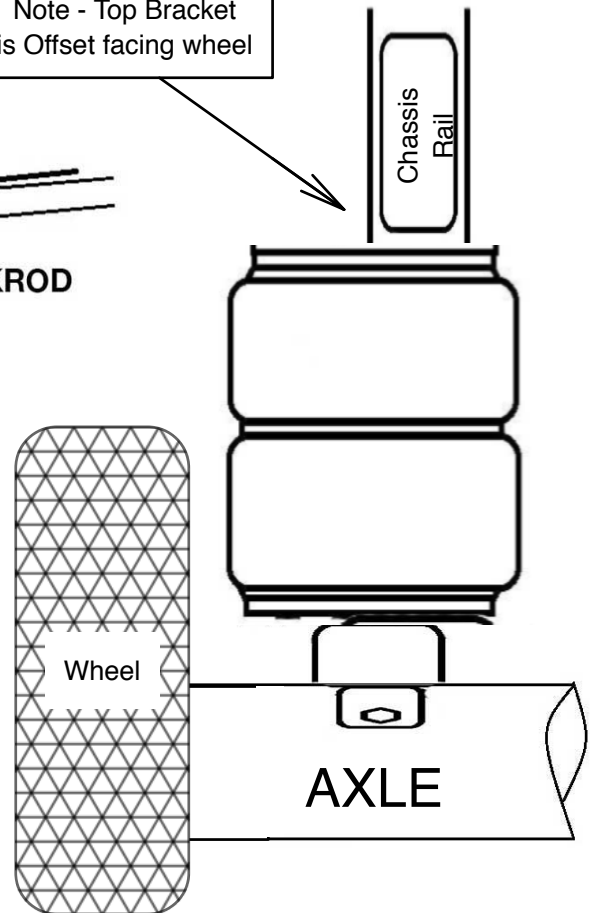
When retightening any factory fitted bolts such as U Bolts make sure you to tighten them to the vehicle manufacturers torque specification. If you are uncertain about the specification contact your vehicle manufacturer or dealer for details. Note: Replace your U bolts if they appear damaged. No responsibility 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.

LA-115

Nissan NP300 Coil Assist



Note - Top Bracket is Offset facing wheel



NOTE - Angle swivel fitting inwards of the trailing arm as per pic so fitting does not contact arm in normal suspension travel. Zip tie to arm to hold in place



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AIR SUSPENSION

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CHECK OUT [YOUTUBE.COM/BOSSAIRSUSPENSION](https://www.youtube.com/bossairsuspension)
FOR HELP-FULL INSTALLATION VIDEOS

www.bossairsuspension.com.au for more information and details of our in-cab inflation kits.