



## FITTING INSTRUCTIONS FOR THE BOSS LA-77 NISSAN PATROL AIR SUSPENSION REPLACEMENT REAR COIL KIT

Safety First! Please make sure you have read the Safety recommendations supplied with your Kit & Fully read over these instructions before installing.

- 1 Check you have the right kit for the right vehicle.
- 2 When jacking the vehicle up and secure vehicle in a safe way with Jack/Axle stands under the chassis.

### ASSEMBLING THE AIR BAGS

Assemble the bottom end plates only to the alloy bag rings on the air bags with the 12x threaded bolts and spring washers (top and bottom) supplied in the kit. Bottom bag bolts can be tightened each gradually to 20NM or seated tight so no gap between the alloy ring and end plates. The brackets are the same Left to Right.

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

- 1 Jack one side of vehicle and safely support frame with axle stand. Remove wheel, Support control arm with appropriate jack and remove outer control arm bolt from suspension, Use jack to help lower arm to remove coil spring. Refit control arm bolt and tighten.
- 2 Fit kit onto factory lower arm using supplied bolts with crush tubes, (Note different length crush tubes & bolts)
- 3 If you have the Aftermarket Alloy Billet arm we supply the 6x M10x30 bolts for fitment. (Note – Tighten using lock tight compound))
- 4 Before you fit and tighten the top bracket you can rotate the top bag end plate to align with the K frame bolts as necessary.
- 5 When you have the bag assembly lined up in its correct position tighten the 12x top bag bolts, same procedure as lower 12x bag bolts.
- 6 Push airline into fitting and run up through hole in chassis back to Schrader assembly. Zip tie along chassis 100mm away from exhaust
- 7 Note Boss uses 400 PSI Air brake line so this does not need extra shielding as long as you are at least 100mm away from exhaust
- 8 Tighten the upper bracket to K frame using supplied bolts & washers, use lock tight on threads and tighten.

### HELPFUL HINTS

- 1 The alloy ring with Bead lock is designed to bite into the bag bellow to seal it, that's why its important to tighten bolts as mentioned above.
- 2 **Once 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. Helpful Hint put tape over end of airline when feeding through chassis.
2. Mount the Schrader valve unit (Air valves) in a convenient assessable 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 **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 remove the airline from the fitting and rotate the airline until leak stops
8. If leak persists, check airline for damage. Make sure the airline is free to come straight of the fitting at about 90 degrees and recut the air line with a very sharp knife ensuring a clean straight cut and repeat step 4 above
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.

