







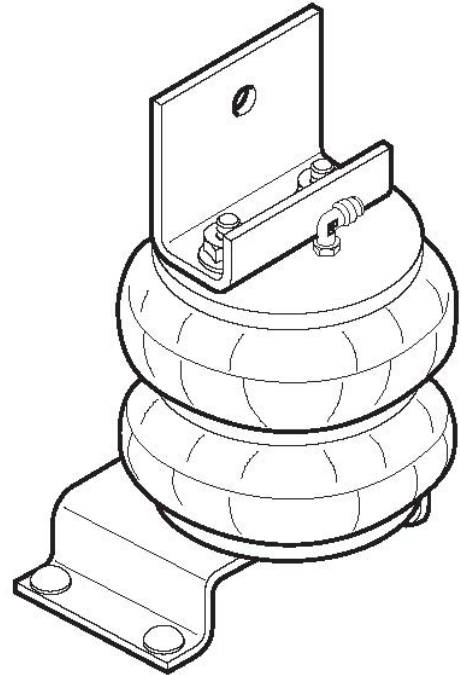
# FITTING INSTRUCTIONS

(AIRBAG OPERATING HEIGHT & MAXIMUM PRESSURE)

## RR4644



-  This air suspension system is designed to assist the original vehicle manufacturer's suspension – it is not meant to carry the entire rated load. We do not recommend that leaves be removed, or other changes be made from the OEM suspension unless an applicable commercially available suspension kit is fitted.
-  The kit is designed to suit a standard vehicle configuration – modifications to the vehicle outside the kit design parameters may adversely affect fitment and operation such as:
  - Height changes outside any noted in the kit specification.
  - Larger dampers (Shock Absorbers)
  - Wheel and tyre changes
  - Exhaust changes.
-  If your vehicle is fitted with a brake proportioning valve or stability control system it is important to ensure this is maintained and adjusted according to the vehicle manufacturer's instructions.
-  It is recommended that only a properly qualified person installs the product and carries out maintenance. If you are not qualified and attempt to carry out such work ensure that all safety equipment is used and safety standards are met.
-  Ensure that you have read the full Product Manual before attempting to fit the product.
-  Ensure the Product Manual is kept with the vehicle and that any vehicle owner and/or operator is fully advised on the system and its operation before attempting to drive or operate it.



**SEE OTHER WARNINGS AND IMPORTANT INFORMATION IN THE PRODUCT MANUAL**

LHS = LEFT SIDE OF THE VEHICLE WHEN FACING FORWARD

### STEP 1 – PREPARE THE VEHICLE


Please note that we recommend the vehicle be un-laden when fitting this kit as you may need to create additional clearance between the axle and chassis. Ensure this is carried out according to the vehicle manufacturer's instructions.

### STEP 2 – AIRLINE TUBING & FITTINGS - GENERAL NOTES

#### CUTTING

Only cut the airline tubing with a sharp blade making the cut as square as possible.

Always trim the tubing before re-inserting into the fitting.

-  If you use a sharp utility knife or razor blade great care must be taken in all cases not to cut yourself during this operation.

#### CONNECTING & REMOVING

##### To connect:

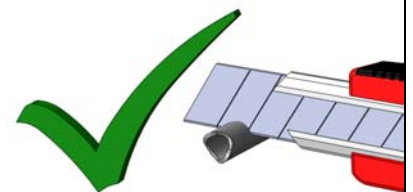
Push the freshly trimmed tubing into the fitting as far as possible.

##### To remove:

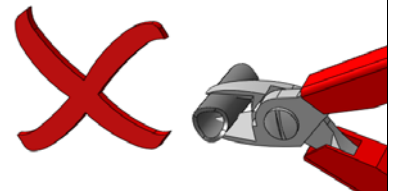
First release the air pressure from the system. To withdraw the tubing, push and hold the collar on the fitting away from the tube and pull out the tubing.

**Hint** In confined spaces an open ended spanner can be used to evenly depress the collar and remove the airline tubing.

**CUT TUBING  
SQUARE WITH  
SHARP BLADE  
OR TUBE  
CUTTER**



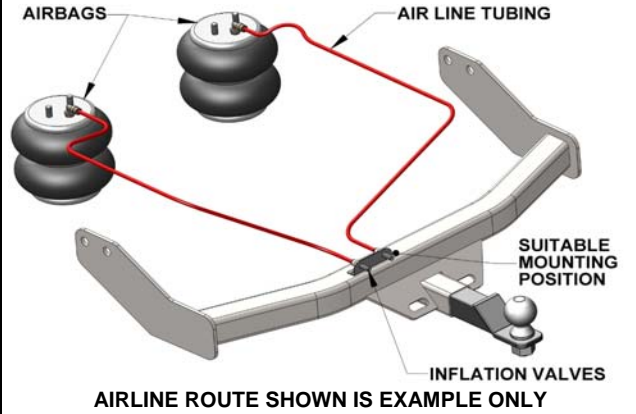
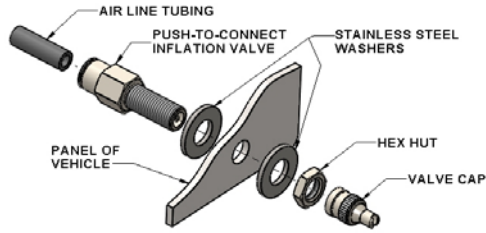
**DO NOT USE  
PLIERS, SIDE  
CUTTERS OR  
PIPE CUTTERS**



### STEP 3 – POSITION YOUR INFLATION VALVES

Select a convenient location for the air inflation valves such as the bumper or the body of the vehicle. It must be protected from road damage and be accessible for air inflation equipment.

Drill a 5/16" hole and install the air inflation valve using two 5/16" stainless steel washers as supports where required.



### STEP 4 – PREPARE THE AIR LINE TUBING

Decide on a suitable route for the air line from the airbag to the inflation valve location to avoid direct heat from engine, exhaust pipe, and away from sharp edges.

Uncoil the air line tubing being careful not to fold or kink it and cut to length to suit the chosen route. Next cut a suitable length of protector tube and feed over the air line tubing. (See opposite)

**DO NOT CONNECT OR SECURE THE AIR LINE AT THIS POINT**

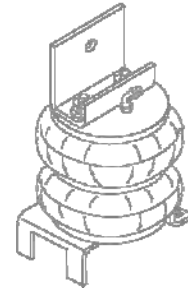


### STEP 5 – PRE ASSEMBLE THE KIT

Select one airbag and an upper bracket from your kit. Insert the studs on the airbag in the mounting holes in the

Installing two 3/8"-24 flanged hex nuts on the airbag studs. Next, install the air fitting into the airbag. Tighten the air fitting so as to make contact with the nylon ring and then tighten 1/2 turn to snug the fitting. No thread sealant is needed. Select one lower bracket from you kit.

Fasten the airbag to the lower bracket using the two 3/8"-16 flanged hex bolt in the hole in the lower bracket.



### STEP 6 – INSTALL THE ASSEMBLY

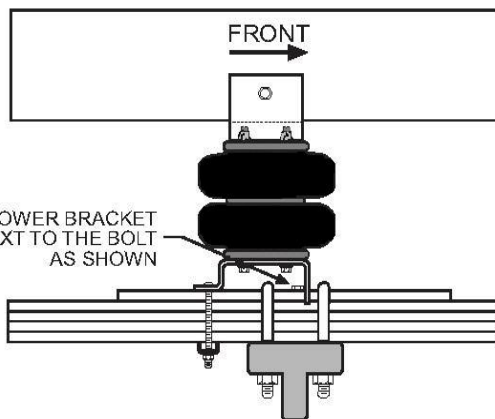
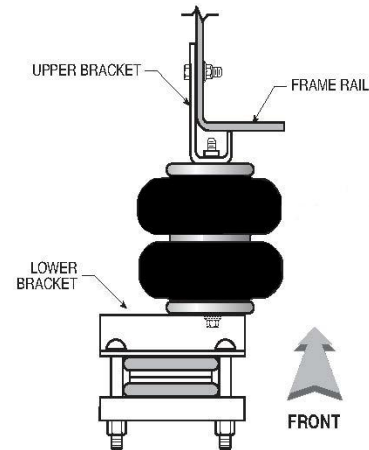
Place the assembly on the drivers side leaf stack. The lower bracket will be butted up next to the bolt on the leaf between the two retainers. Use the upper bracket as a template to properly locate the hole. Drill the hole in the side of the frame using a 3/8" drill.

**NOTE: Before drilling any holes make sure all electrical, brake and fuel lines are cleared from the path of the drill bit.**

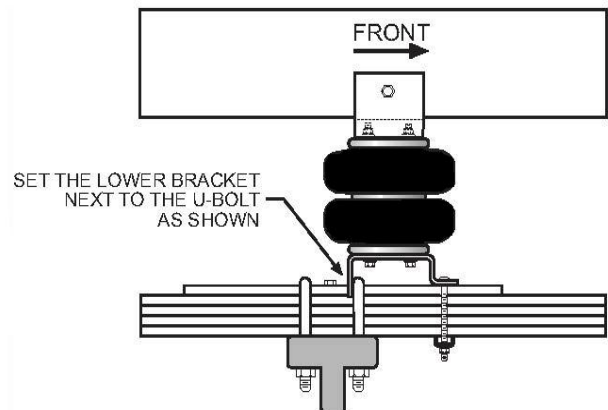
Attach the upper bracket to the frame rail using the 3/8"-24 x 1-1/2" bolt, 3/8" flat washer, and 3/8"- 24 flange nuts. Next, insert the 3/8"-16 x 3 1/2" carriage bolts through the square holes in the lower bracket. The lower bracket should be aligned over the leaf spring.

The carriage bolts should be straddling the leaf stack. Slide the bracket strap on the carriage bolts and secure it with two 3/8"-16 flanged lock nuts. Once the assembly is in place, ensure that there is at least 1/2" of clearance around the airbag.

**NOTE:** see below for different year model installations.



ORIENTATION FOR 1990-2003



ORIENTATION FOR 2004-CURRENT

### STEP 7 – INSTALL THE OPPOSING SIDE

Install the opposing side by following Steps 5-6, reversing any orientations

### STEP 8– CONNECT AIRLINE TUBING

Route airline tubing and connect to airbag air fittings and inflation valves. Secure with supplied nylon ties.

### STEP 9 – LEAK TEST

**INFLATE** the airbag to the maximum allowed pressure (see Airbag Operating Height & Maximum Pressure attached) and check for leaks at the connections using soapy water spray. We recommend a soapy water spray solution of 25% soap to 75% water.

**DEFLATE** airbag. If no leaks, continue. If leak detected, check and tighten the airbag fittings (if required), remove the airline tubing, re-cut and re-test.

### STEP 10 – FITMENT COMPLETION

Return the vehicle to driving position. Ensure this operation is carried out according to the vehicle manufacturer's instructions.

### STEP 11 – AIRBAG HEIGHT AND ALIGNMENT

The airbag must be checked for the correct installed height, vertical alignment and clearances with the vehicle levelled out.

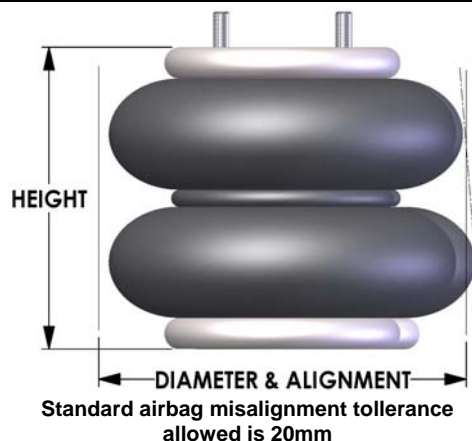
**INFLATE** the airbags until a level vehicle height is reached and measure the bag height between the mounting plates.

The AB0130 airbag in this kit requires a height of 6.0" to 7.0" to be maintained under all loads.

It is important to ensure that the airbag does not make contact with any other components in all load and height conditions.

**If the centreline of the airbag end plates are misaligned in any direction more than the amount shown to the right, please contact Airbag Man on 1800 247 224 for further technical support.**

Please note: Misalignment and angled installation at ride height is often required to ensure correct alignment through the suspension travel.



### STEP 12 – TO FINISH

Ensure the **WARNING** label is fixed in a prominent position in sight of the vehicle operator.

Ensure the Product Information Wallet is given to the vehicle owner/operator.

Ensure the vehicle owner/operator fully understands how to use the product.

All fixings should be checked for tightness after the first laden run and thereafter as per the original manufacturer's recommendations.

## **AIRBAG OPERATING HEIGHT & MAXIMUM PRESSURE**

See operating instructions section for proper use and maintain the specific height below:

### **OPERATING HEIGHT**

The **AB0130** airbag in this kit requires a height of **6.0" to 7.0"** under all loads. Adjust and retain pressure up to the stated maximum to maintain the airbag operating height. Failure to do so may result in product or vehicle damage not covered under warranty.

### **MAXIMUM PRESSURE**

**80PSI ( 5.1 bar )**

**IF MORE PRESSURE IS REQUIRED TO MAINTAIN THE OPERATING HEIGHT CALL  
AIRBAG MAN ON 1800 247 224 FOR FURTHER TECHNICAL ADVICE**



**FREECALL 1800 247 224**



**⚠️ Incorrect use of this air suspension product can result in damage to the airbag, associated parts and/or the vehicle, which is not covered under warranty.**

**⚠️ Ensure the airbags are maintained at the stated ride height at all times and the maximum pressure is never exceeded.**