

Installation of Air Bags

Before starting level your coach ~~~~ See enclosed Ride-Height adjustment instructions.

- 1.) Jack up coach and put jack stands under it.
- 2.) Remove all wheels and tires.
- 3.) **FRONT AIR BAGS:** 1 for each side. There should be two 1/2" holes in the lower frame rail that you will use for the lower mounts. (See Photo #1).



Two 1/2" holes

Photo #1

- 4.) Attach the bracket using the supplied nut plate and 1/2" bolts. Get the bracket tight and square with the frame. Drill and tap frame for the upper hole. Use 5/16" drill and tap 3/8-16 **(BE CAREFUL NOT TO HIT ANYTHING BEHIND THE FRAME RAIL WHEN DRILLING)**. (See Photo #2).



Drill 5/16" hole
Tap 3/8-16

Photo #2

Install 3/8-16 bolt and lock washer and tighten.

5.) Set air bag with pre-mounted lower plate on the u-bolts. (See Photo #3) and install nuts on upper air bag plate to frame bracket and tighten. Install tie bars and long bolts to lower air bag plate and tighten.



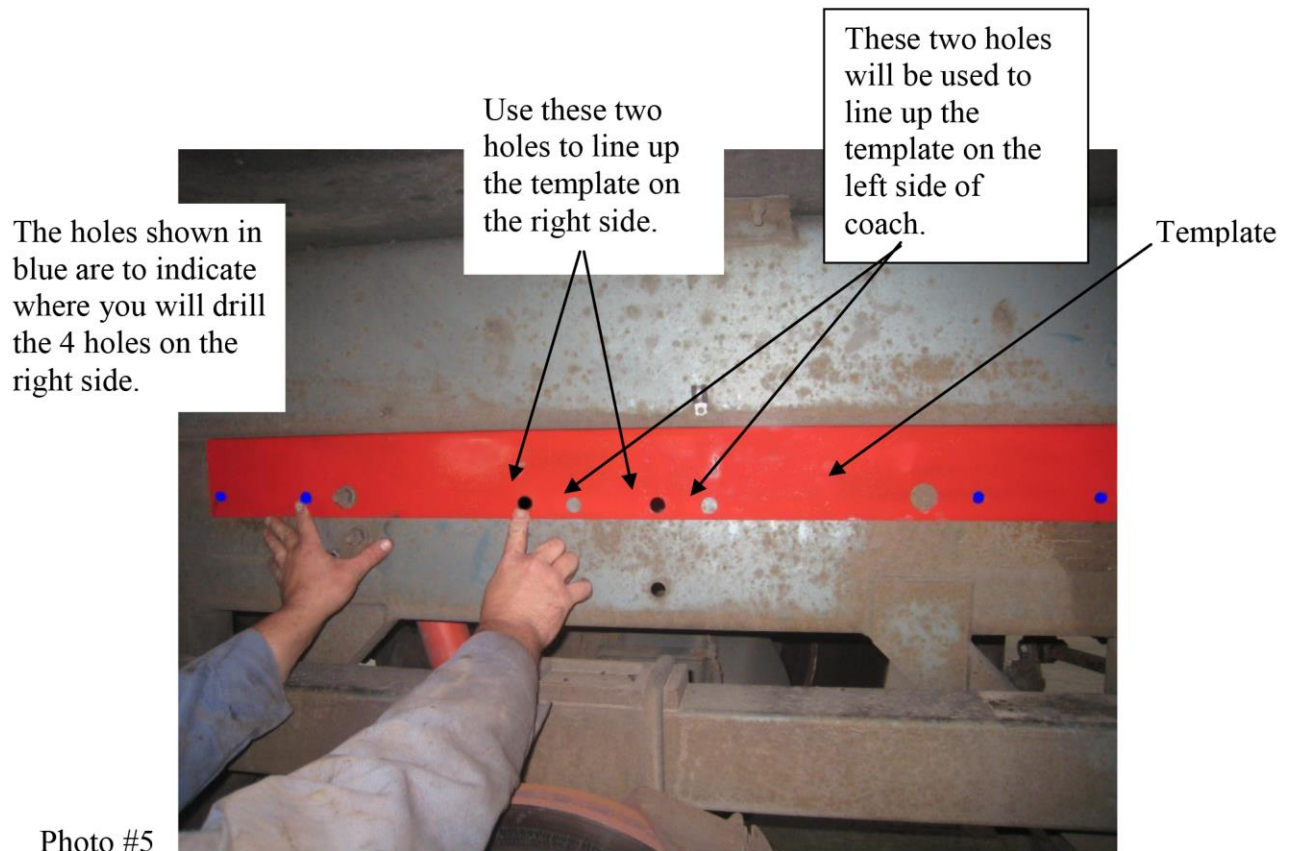
Photo #3

- 6.) Install air fitting in top of air bag with a 1/4" NTP to a 1/4" airline tubing.
- 7.) Repeat steps 1 thru 6 for the other side in front.
- 8.) **REAR AIR BAGS:** There are two air bags used on **EACH** side. (See Photo #4)



Photo #4

- 9.) 1/2" holes must be drilled in the lower frame rails in order to mount the frame brackets.
- 10.) Use the supplied metal template to locate the holes. (See Photo #5). You will drill the 4 outside holes. (The photo is the passenger side or right side of the coach). This template works on both sides.



There are 4 holes in the center of the template; two of them line up with the existing holes in the frame. The two large holes, in the template, fit over the shock mount bolts on the left and right side. When the template is put on correctly it will sit flat on the frame and the lip will be in the groove between the upper and lower frame.

11.) Now drill 4 each 1/2" holes.

12.) Bolt on frame bracket. (See Photo #6.)



- 13.) Set the air bag on top of the Velvet-Ride tube, one on the front and one on the rear. Line up the upper studs and push through holes in frame bracket. Install the washers and the nuts. (See photo #7).



Photo #7

- 14.) Use the tie strap supplied and long 3/8" bolts to bolt the lower air bag plate to the Velvet-Ride tube. (See Photo #8).



Photo #8

- 15.) Repeat 8 thru 14 for the other side.
- 16.) Find a place to mount the air tank. (Suggestion: Behind the engine service bay).
- 17.) Mount the air pressure gages. (Suggestion: In the engine service bay).
- 18.) Use the PacBrake air compressor and T into the 1/4" line from the compressor to the solenoid valve using the supplied 1/4" T-fitting and run this to the air tank.
- 19.) Install air lines and secure. (See air system schematic attached.)
- 20.) Each corner of the coach is controlled by its own air pressure regulator. If you were able to level your coach before you installed the air bags, then start by setting the air pressure in each regulator at 60psi. You can adjust each regulator for different conditions.