

AIR SEAL OPERATION INSTRUCTIONS:

1. VEHICLE IS AT THE DOCK AND IS STATIONARY.
UNDO THE "TIE-BACK" STRAPS FROM SIDE MEMBERS.

2. INFLATE AIR SEAL TO ENGAGE VEHICLE.

3. WHEN DOCK OPERATIONS ARE COMPLETE, DEFLATE AIR SEAL.

4. MAKE SURE AIR SEAL MATERIAL IS COMPLETELY FREE FROM VEHICLE BEFORE ALLOWING VEHICLE TO MOVE AWAY FROM DOCK. NEVER ALLOW VEHICLES TO MOVE WHILE SEAL IS INFLATED.

5. RESTORE THE "TIE-BACK" STRAPS AROUND THE SIDE MEMBERS AND HOOK TO EYEBOLT.

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PERMA INFLATABLE AIR SEAL

MODEL 3400

INSTALLATION INSTRUCTIONS

NOTE:

CHECK SHIPPING CONTAINERS BEFORE RELEASING CARRIER.
NOTIFY CARRIER IMMEDIATELY UPON DISCOVERING ANY CONCEALED DAMAGE.

WARNING

DO NOT INSTALL THIS PRODUCT UNLESS YOU READ AND UNDERSTAND THE WARNINGS AND INSTALLATION INSTRUCTIONS CONTAINED IN THIS MANUAL.
FAILURE TO DO SO COULD RESULT IN SERIOUS INJURY OR DEATH.

INSTALLATION INSTRUCTIONS

PERMA AIR SEAL - MODEL 3400

NOTE: Check all shipping containers before releasing carrier. Notify carrier immediately upon discovering any concealed damage.

1. Mark the centerline of the door opening at the top of the door (lintel) and mark the centerline of the unit.
2. Find the side member length by measuring the length of the provided 2 x 6's. Add 1/8" to this measurement for clearance of the gussets and then mark the building wall for this height from the dock floor.
3. Mount the blower inside at the top of the head frame with 1 1/2" x 5/16" lag bolts. See Dayton blower installation packet for specifications. Blower requires 110/230 volts.
4. Attach the gussets to the ends of the head frame with provided lag screws (see figures 1 & 2). Mount the head frame centered on the door with the **bottom** of the head frame on the height mark made in step 2.

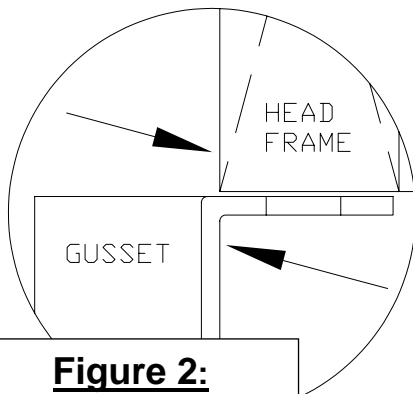
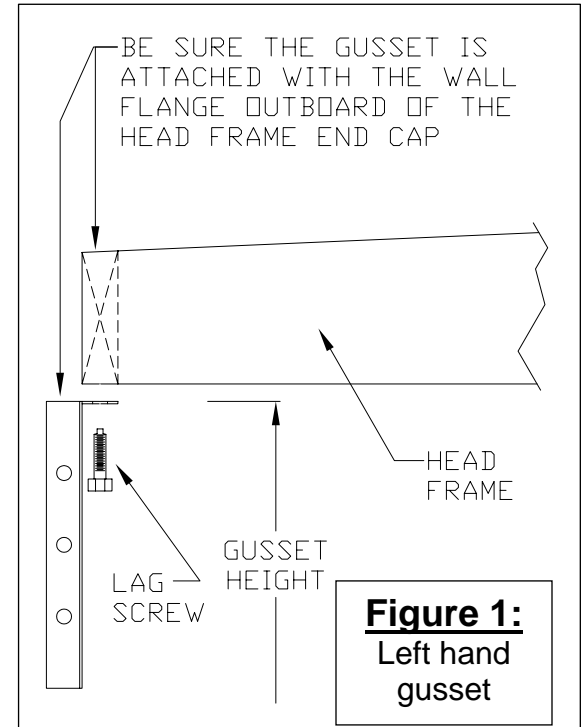


Figure 2:

Be sure to align the outside edge of head frame and the inside edge of the gusset when attaching.



5. Using appropriate anchor bolts (not included), attach the 2 x 6's to the wall with the edges of the 2 x 6 as close to the inside of the gussets as possible.
6. Attach the side members to the wooden 2 x 6's using roofing nails. Use about one nail every 12 inches.
7. After attaching the side members, install one pre-cut eyebolt to the inside of each 2 x 6 as shown on next page. Also attach the side member "tie-back" strap to the outside of the 2 x 6 using wood screws and fender washers. **Note:** To assure effective side member restraint, be sure that there is enough tension in the strap once hooked around eyebolt to hold the side member tight when not in use.
8. After inflating the airbag, stretch the side member shock cord (attached to bottom of unit) to the wall at a 45° angle. Attach one of the provided angles to the wall and hook the shock cord to the angle. Repeat on other side.

9. When installation is completed, caulk the top and the sides of the unit where it meets the building.

NOTE: To adjust the torsion bar, place a wrench on the adjusting nut and while holding the torsion bar through the head bag, turn the nut to relieve the tension on the retaining brackets. Turn counterclockwise to loosen, (to tighten, turn clockwise), not more than 5 turns at a time. Once adjusted, slide torsion bar back into place and allow tension to lock unit into place. Repeat if necessary.

WARNING:

**DON'T LET GO OF THE TORSION BAR ONCE IT'S FREE OF THE RETAINING BRACKETS OR THE BAR WILL LOSE ALL OF ITS TENSION AND THE HEAD BAG WILL DROP.
USE EXTREME CAUTION WHEN ADJUSTING TORSION.**

