

Instructions for Mounting Gas Spring Cylinder Props Zero Clearance Frame

The gas spring cylinders will mount to the Zero Clearance Saddle and Zero Clearance Carrier Frame members on the sides or ends of the cabinet. The cylinder will set between the Saddle and Carrier when closed. The only part that will be visible will be the fastening nut on each cylinder rod end and the nut is only visible when viewing from an angle.

Parts List:

Gas Spring Cylinders, Two (2) per hinged face
Bracket with Ball Stud attached, Two (2) per hinged face
Ball Stud for Carrier Frame, Two (2) per hinged face with 5/16" Nuts

Locating Mounting of the Cylinder

The mount location of the cylinder will determine how far and at what angle the Carrier Frame will open. It has found that if the base of the cylinder is mounted at 14 1/2" below the top outside edge of the Saddle with the rod end mounted 26 1/2" below the top outside edge of the saddle, the hinged Carrier Frame will open to approximately a 53 degree angle.

Changing the letters or servicing the sign with the Carrier Frame open at 53 degrees seems to be sufficient in most situations. If the desire is to have the Carrier Frame open to a lesser angle, or a greater angle, the cylinder as a unit will have to be mounted either further down in the frame for a lesser angle or further up in the frame for a greater angle. Moving the cylinder a distance of 1" will result in a change of 4 degrees.

Example:

If the cylinder is moved up, or towards the top of the frame, a distance of 4" from the original 26 1/2" dimension, the Carrier Frame will open to a 69 degree angle.

If the cylinder is moved down, or towards the bottom of the frame, a distance of 4" from the original 26 1/2" dimension, the Carrier Frame will open to a 37 degree angle.

The cylinder Rod mounting bracket and the cylinder ball stud have been installed for you.

USING YOUR THUMB PRESS THE CYLINDER ONTO THE BALL STUDS, DO NOT USE A HAMMER THIS WILL RESULT IN DAMAGE TO THE CYLINDER ENDS! (THE ROD END OF THE CYLINDER MUST FACE DOWN, SEE DRAWING)

Opening and Closing the Carrier Frame

The cylinders are rated at 40 pounds and will sufficiently support the weight of both the Carrier Frame and the clear "security" face when fully opened.

To open the Carrier Frame, unlock the Cam Locks and pull open the Frame at the bottom. The cylinders will assist in the actual movement during the opening process. The Frame will stop to the full open position when the cylinders have reached the end of their stroke.

To close the Frame, push down on the bottom of the Frame with even pressure until the Frame is closed. Apply closing pressure to the Frame at the locks while turning the locks to their “locked” position.

Fitting the Inner Face(s) around the Cylinders

The inner reader face(s) will have to be cut to fit between the cylinder mounting brackets to slip into the Saddle from the front.

The size of the face(s) is accomplished by trimming the face material to a size that is 21/8” in height and 5” in length less than the overall outside dimensions of the cabinet.

The inner face(s) uses a modified hanger bar attached to the back side to “hang” the face(s) in the Saddle.

Removal of the inner face(s) is accomplished by lifting the face(s) slightly to unseat the face(s) from the hanger ledge, pull the face(s) out at the bottom.

Please Call 800-456-9371 with any questions



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