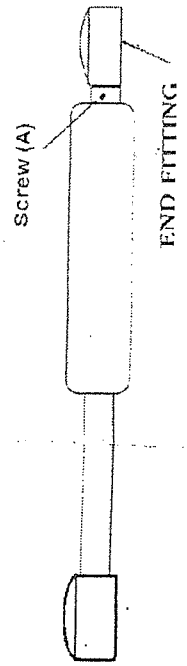
Adjustable Force Gas Spring Valve Adjustment Instructions

When looking at the gas spring, the force adjustment valve will be seen at the end of the tube. Look for the adjustment screw (A)

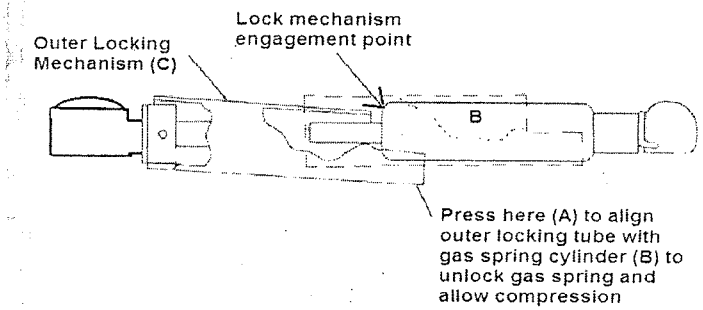


Adjusting the screw: Make sure the gas spring is held tube side up, rod side down, (as shown attached) so oil in the gas springs settles down, and does not spray out when gas is let out by the loosening set screw. Insert the Allen key into the adjustment screw (A) to its maximum depth. Loosen the set screw very slowly and carefully by rotating the allen key counter-clockwise until you can hear gas escaping. (Be careful not to release too much gas, as once released, gas can not be refilled) Extreme care should also be taken when re-tightening so no damage to the hexagon in the set screw occurs, or the adjustment valve will become inoperative.

The gas removal process can be repeated as needed until the required spring pressure and action is attained. We also suggest increasing the weight being supported by up to 15% to insure that too much gas is not released. When using two adjustable force gas springs in an application, you should carefully reduce the gas in each spring at the same time and at the same rate to avoid undue stress on the lid or door. **DO NOT REMOVE THE SCREW.**

PLEASE NOTE: It is normal to see a slight mist of oil when adjusting the pressure. For minimal oil mist, make sure the tube is above the rod during the pressure adjustment process. Never adjust the pressure while gas spring is on "horizontal", or "rod up" position.

External Lock Gas Spring Operating Instructions



Caution: If the external lock gas spring is supplied less an end fitting it may have a retaining nut on the locking mechanism end. You will need to remove the nut before installing an end fitting or using the gas spring.

Warning: To make sure the locking mechanism will function correctly, it must be fully seated and tightened down when installing the end fitting. Ensure that the end fitting is screwed on tightly so there is no space of or movement between it and the locking mechanism.

The locking mechanism (C) is spring loaded so it will engage automatically when the gas spring is fully extended.

The locking mechanism is manually released simply by pressing lightly on point (A) and aligning the outer locking tube with the gas spring cylinder tube to allow compression.

This locking mechanism feature should always be combined with a scheduled maintenance and inspection program to ensure the application meets all your specified requirements. The gas spring operation should also always be reviewed and do not attempt to use the locking mechanism when the gas spring pressure is no longer supporting the lid or cover on it's own.