

## Installation Guide

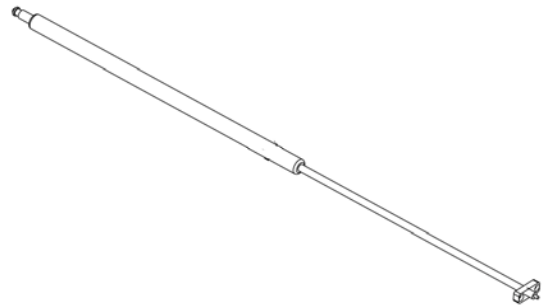
### Replacement of Gas Spring in Variable Height Rolling Cart (VHRC)

The purpose of this guide is to describe removal and replacement of the VHRC Gas Spring.

#### Parts Reference

The following parts and hardware are included in this replacement gas spring kit.

Item #	Description	Qty
1	VHRC Gas Spring	1
2	5/32" Hex Wrench	1
3	1/8" Hex Wrench	1
4	VHRC Load Label	1

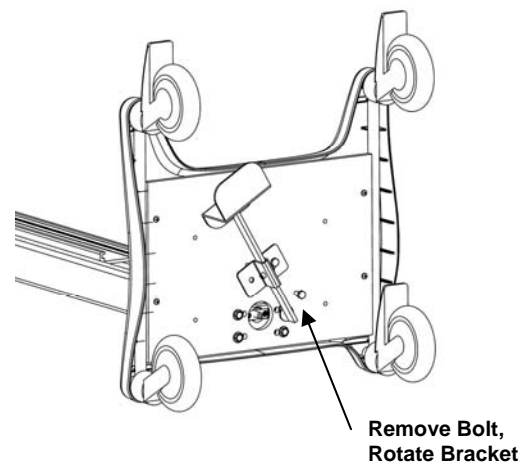
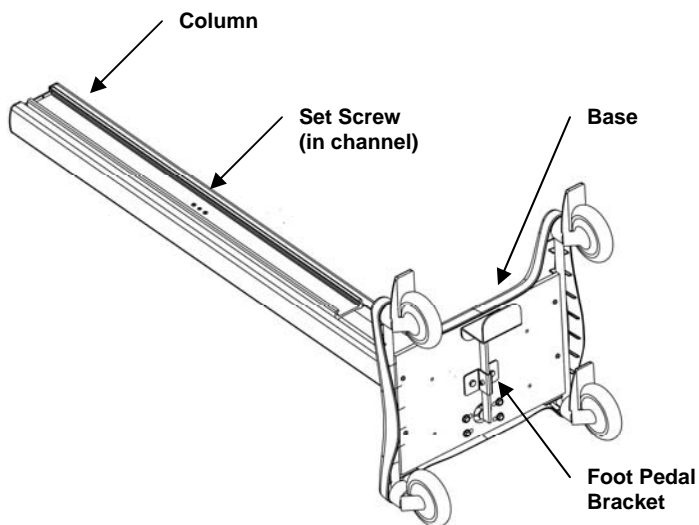


#### Tools Required

- 5/32" and 1/8" Hex Wrenches (provided with kit)
- 1/2" Socket Wrench (not provided with kit)

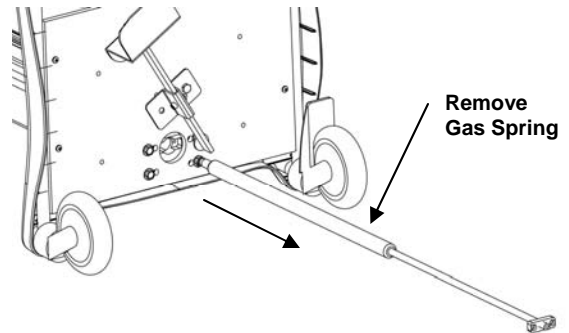
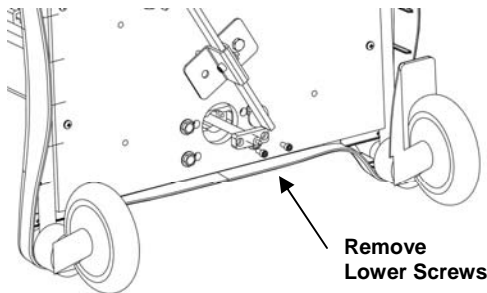
#### Exposing bottom of Gas Spring

1. Depress foot pedal and raise height adjustable channel to highest position on column.
2. Place VHRC cart with bottom of base exposed so foot pedal bracket can be accessed.
3. Remove one of the foot pedal bracket mounting bolts using the 1/2" socket wrench, loosen the other bolt.
4. Rotate the foot pedal so bottom of gas spring is visible through base as shown.



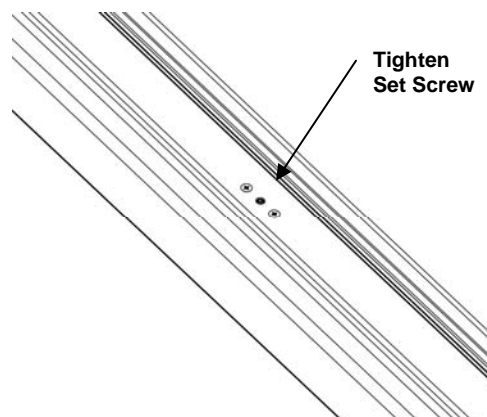
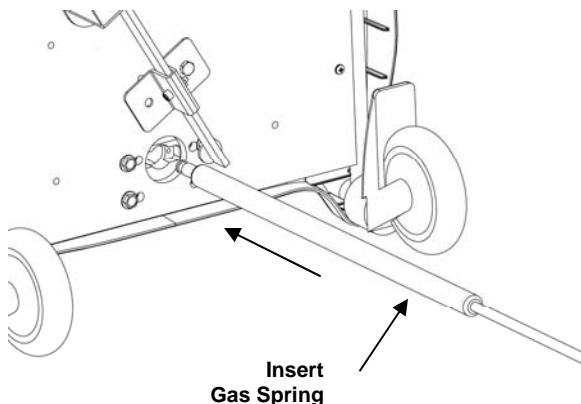
## Removal of Gas Spring

1. Locate the two Philips head screws and single set screw on the height adjustable channel on the VHRC column.
2. Loosen the set screw using the 1/8" hex wrench provided with gas spring kit, do not remove it. This will free the upper end of gas spring within the VHRC column.
3. Through the VHRC base remove the two socket head cap screws securing the bottom of gas spring using the 5/32 hex wrench supplied with kit. These two screws will be reused with new gas spring, do not discard them.
4. Remove the gas spring through the base as shown.



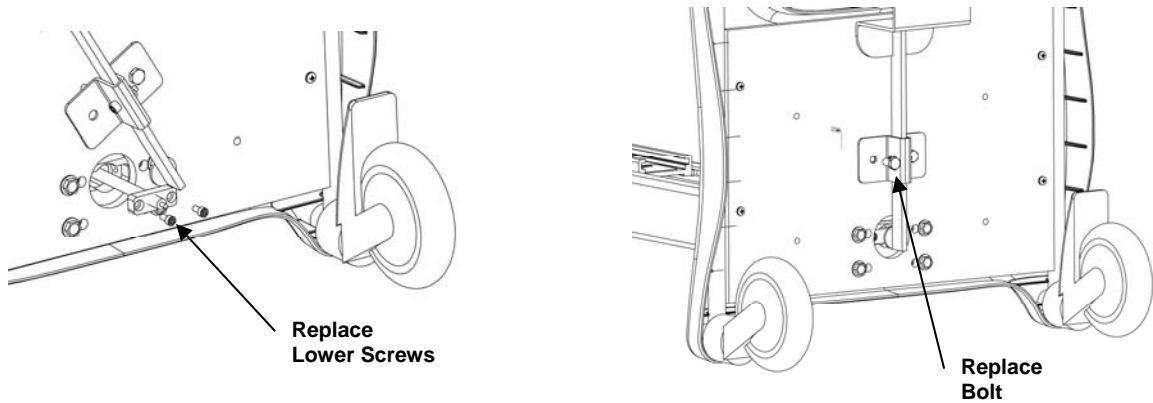
## Installing new Gas Spring

1. Insert replacement gas spring through base, cylinder end first as shown.
2. Slide the height adjustable channel on VHRC post towards base as the gas spring is inserted into column, you should feel the upper mount engaging with channel. You may need to move the gas spring around side to side to engage it.
3. Once the gas spring is engaged tighten the set screw in channel using the 1/8" hex wrench. Check to see if the gas spring is secure by pulling on bottom of the gas spring, if the channel moves towards base it is secure. If not loosen set screw and repeat step 2.
4. Remove black vinyl cap on bottom of replacement gas spring, this is to protect the locking pin during shipment.



## Securing new Gas Spring

1. Fully insert bottom of gas spring up into column through the base, align the two mounting holes and replace the two socket head cap screws as shown. Tighten the screws using the 5/32 hex wrench.
2. Rotate the foot pedal back into position, replace the one bolt, then tighten both bolts with a 1/2" socket wrench.



## Replacing load label and checking function

1. Remove existing GCX load label located at bottom of height adjustable channel, replace with the new GCX load label supplied with kit.
2. Check for proper function of height adjustable channel by depressing foot pedal, channel should move up/down and lock in position when released.

