

Fork Truck Attachments

INSTRUCTION GUIDE

SPRING REPLACEMENT D- AND H-STYLE SELF-DUMPING HOPPERS

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WARNINGS & SAFETY INSTRUCTIONS

- *Ensure that all employees understand and follow the following instructions.*
- *Failure to read and understand these instructions before replacing the spring constitutes a misuse of the product. All persons involved in performing this task must be familiar with this material.*
- ALL contents must be removed from the hopper before any work is performed on the hopper.
- Ensure that all information/safety/warning labels stay in place and remain legible.
- Maintenance and repairs are to be done only by personnel qualified to perform the required work. Consideration will not be given for warranty repair charges without prior written authorization from the manufacturer.

REPLACEMENT PARTS

We take pride in using quality parts on the equipment we manufacture. We are not responsible for equipment problems resulting from the use of unapproved replacement parts.

To order replacement or spare parts for this equipment, contact the factory.

In any communication with the factory please be prepared to provide the hopper's serial number, which is indicated on the hopper's dataplate.

RECEIVING INSTRUCTIONS

It is possible that this replacement part could incur damage during transit.

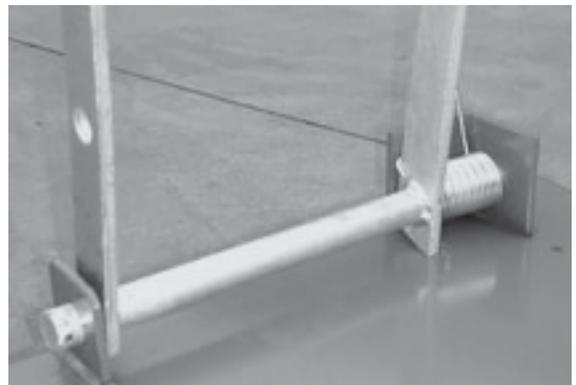
Inspect the parts and packaging closely when it arrives. *If you see evidence of damage or rough handling to either the packaging or to the part when it is being received, immediately make a note of it on the packing slip!*

It is important that you remove the part's packaging upon its arrival to ensure that there is no concealed damage or to enable a timely claim with the carrier for freight damage.

Also verify that the part and its specifications are as ordered.

REQUIRED TOOLS AND TIME FOR REPLACEMENT

- *Pliers*
- *Hammer*
- *Recommended but not required: small piece tubing approximately 12" long*
- *Time Required: approximately 10-15 minutes.*



HOPPER SPRING ASSEMBLY

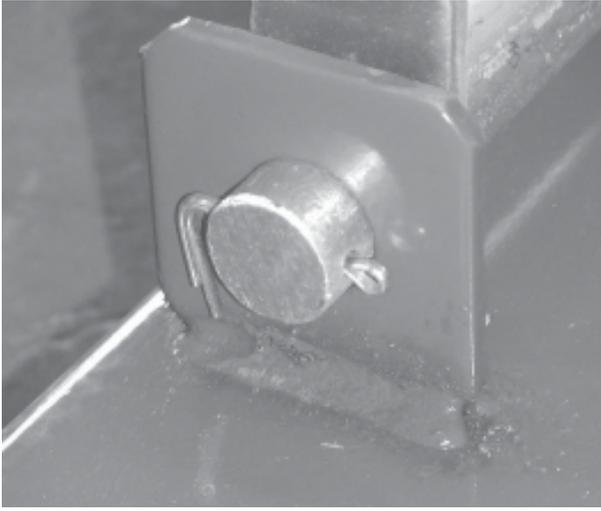
*Pictures shown without hopper chute for clarity.



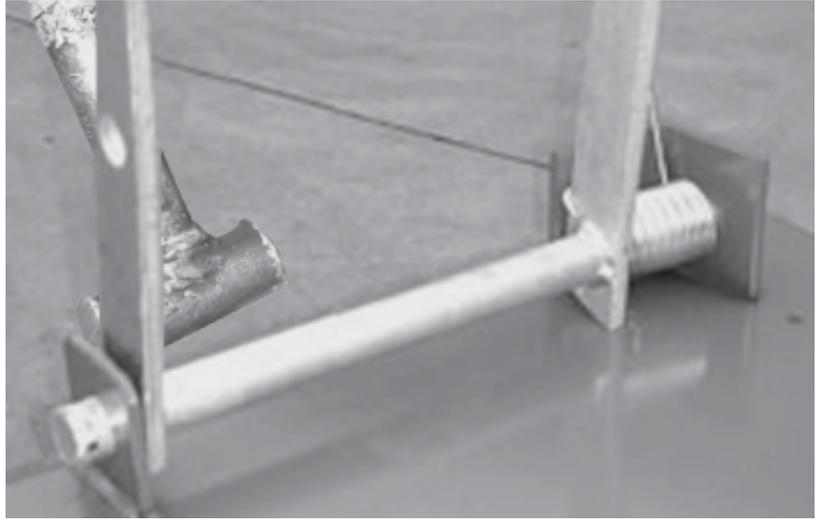
OLD-STYLE SPRING

If you have an old-style spring, you will need to remove the spring *first*.

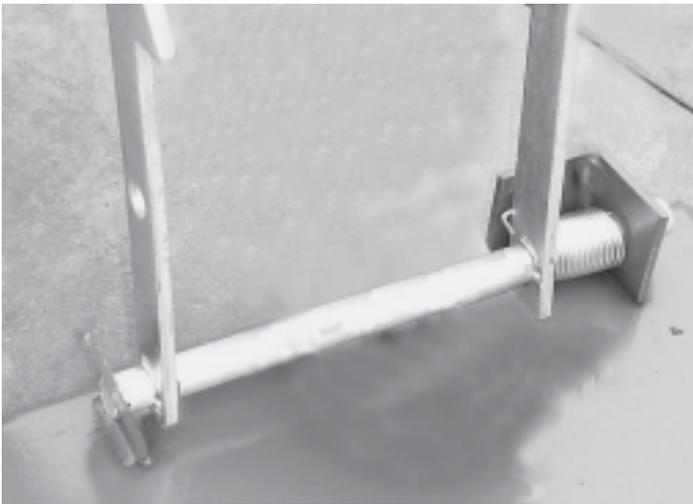
REMOVING THE EXISTING SPRING



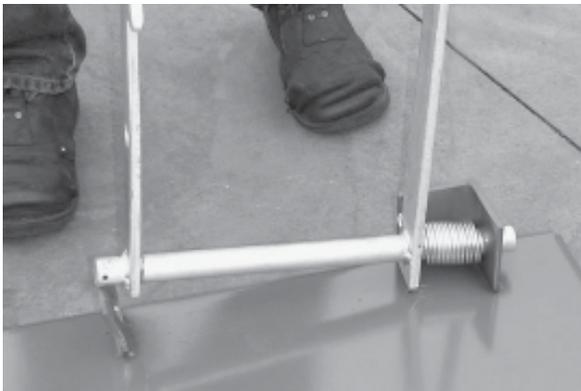
Using a pair of pliers, straighten the ends of the cotter key. Remove the cotter key.



Use a hammer to bend the tab over on H-style hoppers. Note: There is enough tolerance in the D-style release assembly that you should not need to adjust the bracket with a hammer.



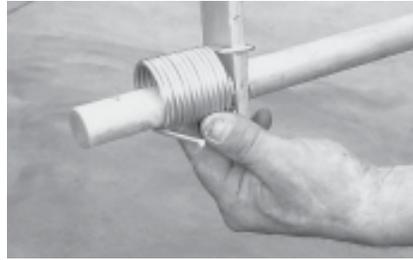
Use a hammer to “push” the release lever assembly towards the angle bracket while lifting the locking finger.



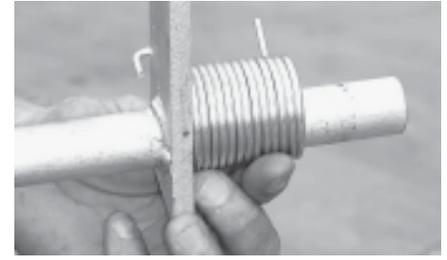
This will release the short end of the release lever pin from the bracket. Carefully pull the release lever assembly pin out of angled bracket.

*Caution: Spring will have tension on it and will snap around pin when removed!

PREPARING THE NEW SPRING FOR INSTALLATION

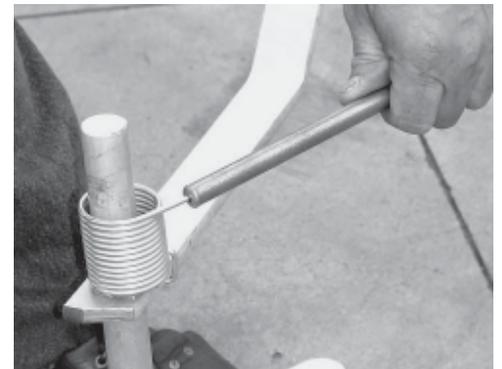
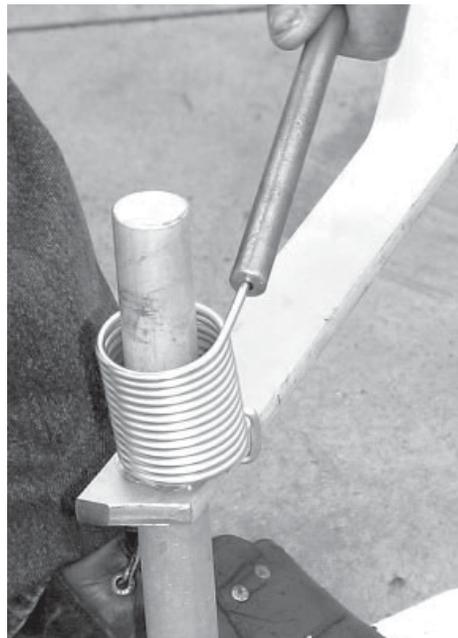


Spring shown from back side.



Spring shown from the front side.

Install spring onto the latch assembly, making sure the spring end is hooked around the release bar.



One of the easiest ways to tighten the spring tension is to put the release lever assembly on the ground and support it with your foot (as shown in picture.) Then, using the small pipe to help increase leverage, turn the spring one complete revolution to load the spring.



Hold the spring tube against the release handle to keep the spring from unwinding. Reinstall the release lever assembly.

INSTALLING THE NEW SPRING



Insert the long end of the release assembly pin into the angled bracket, making sure the free end of the spring (the end with the pipe) is resting on top of the angled bracket, not on the hopper base.



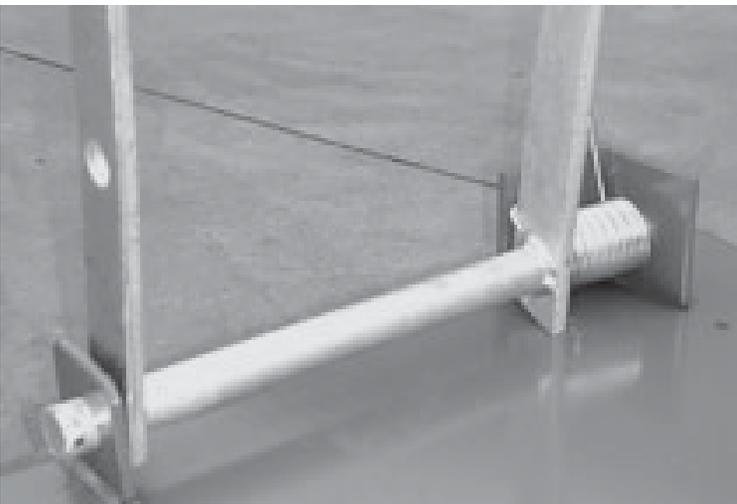
Use a hammer to push the release lever assembly towards the angled bracket while pushing down on the locking finger.



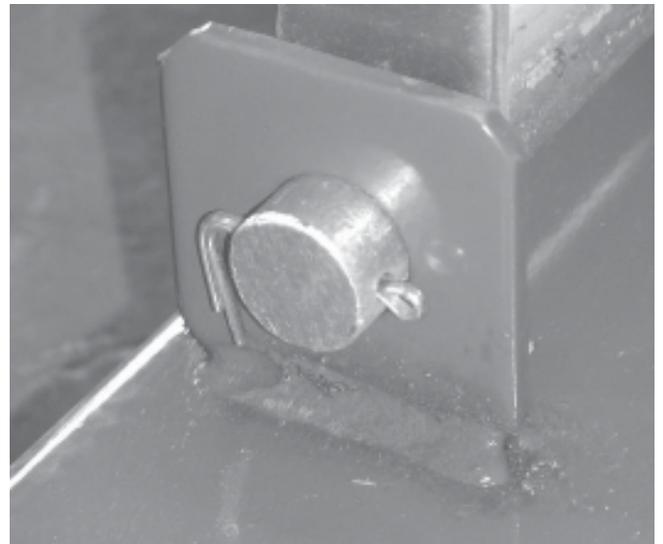
The release assembly pin will line back up with the hole in the end bracket.



Use the hammer to push the end of the bracket back to an upright / straight position.

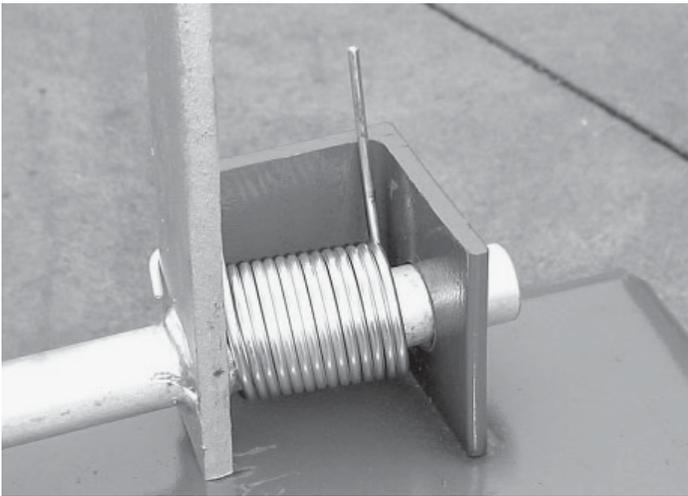


Release assembly in the correct position, with the end bracket upright.



Reinstall the cotter key.

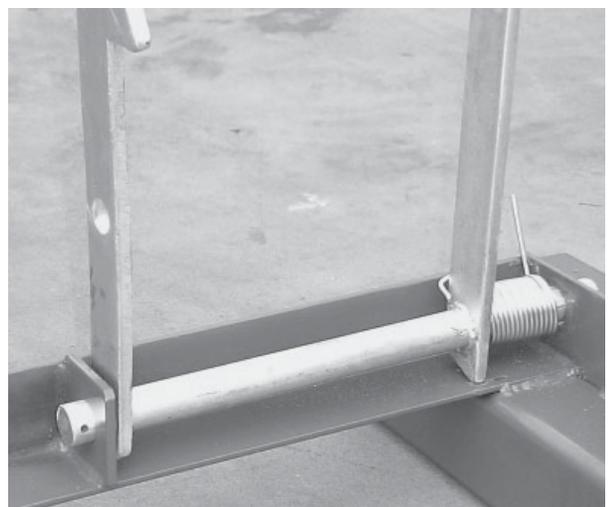
INSTALLING THE NEW SPRING, cont'd.



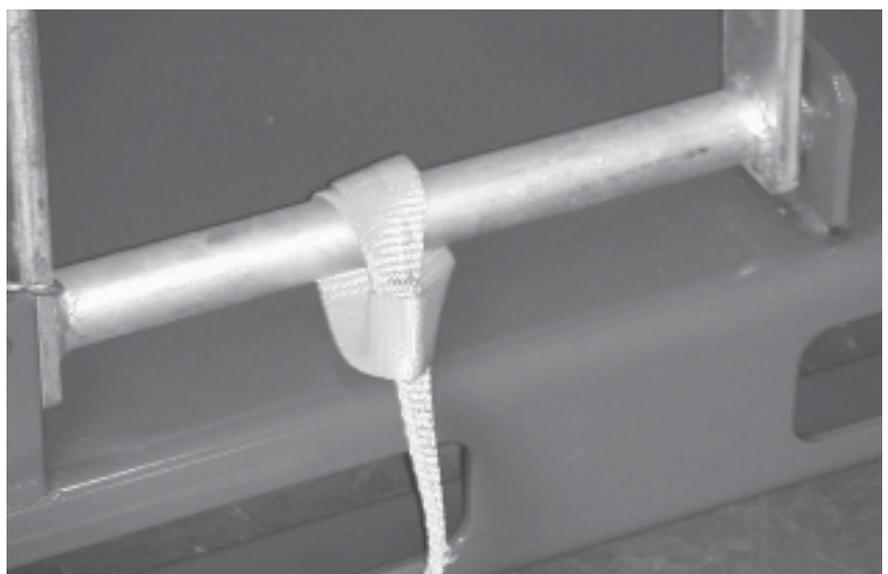
Installed spring.



H-Style installed spring and release lever assembly.



D-Style installed spring and release lever assembly.



After installation, make sure that all safety features (pull cable assembly and restraint chain shown here) are still properly installed, or are correctly reinstalled.