

How to

install extension springs

We recommend replacing both extension springs at the same time, and all extension springs if your door has more than two. Springs are rated in cycles, (one up & one down = one cycle) and when one breaks, the other spring is reaching the end of it's cycle life.

Consider replacing the cables at this time also, you will have the door in a state of disassembly that will enable you to easily replace the cables at this time. Inspect the clevis & stud pulleys, replace these if needed.

NEVER WORK ON OR NEAR EXTENSION SPRINGS WITH DOOR DOWN AND SPRING UNDER TENSION.

CAUTION: Repairing a garage door is a dangerous task. Garage door springs are under extreme tension and require appropriate safety precautions. Realize and understand the risks before undertaking any repair. Your health and safety is the #1 concern. No amount of financial savings is worth jeopardizing your health. Failure to understand/follow the recommendations below could result in property damage, personal injury or death. While all efforts are made to provide accurate information and guidance, it is impossible to predict all repair circumstances. Accordingly, the user agrees that use of this website; products and information contained herein are at your own risk. In no event shall youdoit Door Repair be liable for any property damage, personal injury/death, or any other loss or damage that may result from your use of the information and products provided on this site. All information contained within this site is provided "as-is" without warranty expressed or implied. User assumes all responsibility/risk for use of information and products purchased.

Do not attempt any garage door related repair unless:

- 1) You utilize the proper tools and safety equipment. Safety glasses and gloves must be worn at all times. Work boots are recommended. Loose fitting clothing and jewelry should NOT be worn during any repair.
- 2) You must possess a reasonable amount of mechanical aptitude and experience.
- 3) You are physically able to complete the task (climbing ladders, using wrenches and installing springs require a reasonable amount of physical strength, agility and ability).
- 4) You are able to completely read, precisely follow/understand the instructions.

If you have any doubts about your ability to perform the work safely, we recommend you contact a door professional to complete your repair.



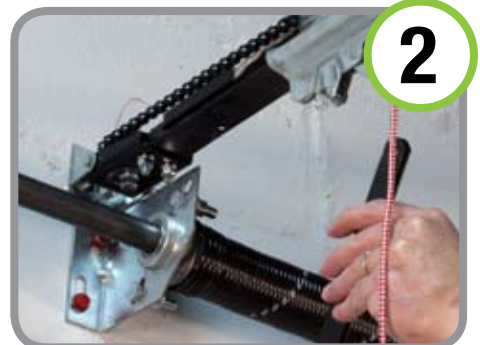
TOOLS NEEDED:

Wrenches
Sockets & Ratchet
3/8" - 7/16"
1/2" - 9/16"
Ladder
Locking Pliers
C Clamps
Gloves
Safety Glasses

Extension Spring Door



Unplug garage door opener



Disconnect garage door opener from garage door



3

Removal of existing extension spring



4

Open door completely. Place clamps, or locking pliers on the track, under **BOTH** bottom rollers.



5



6

Place clamps or locking pliers under the second roller if replacing cables along with springs.



7

Remove safety cable.



8

Unhook door cable from it's attachment point at door track near jamb/header.



9

Thread cable through clevis pulley



10

Remove spring from it's rear attachment point.

Remove cables and spring from the other side of the garage door

INSPECT CLEVIS, AND STUD PULLEYS, REPLACE IF NEEDED.



11

Stud pulley



12

Clevis pulley



13

Install new extension spring

Attach clevis pulley to new spring.



14

Attach spring to rear attachment point.



15

Thread cable through clevis pulley





16

Reattach safety cable at it's rear attachment point, and thread through new extension spring.



19

Insure cable is running properly over stud pulley.

STANDING IN THE CENTER OF THE DOOR SLOWLY LOWER DOOR. TESTING DOOR. IMPORTANT!



23

Manually raise & lower door several times.



17



20

Reattach cable to its attachment point at door track near jamb / header.



24



21

Reattach safety cable to its front attachment point.



25

Open door fully, put clamp on track under bottom roller, and **INSPECT** cable attachment @ door track to insure proper installation. **DOOR MUST BE OPEN!**



18

Thread cable through clevis pulley



22

Remove clamps from track.



26

NEVER WORK ON OR NEAR EXTENSION SPRINGS WITH DOOR DOWN & SPRING UNDER TENSION.



Open garage door fully.
Does the door clear the opening?

Close the door.
Does the door stay on the floor?

Door hard to pull down
and won't stay on the floor.
Reduce spring tension.

Door hard to open
and won't stay fully open.
Increase spring tension.

Increase spring tension
by shortening cable length.

Reduce spring tension
by lengthening cable length.

Increase or decrease cable length no more than one inch at any one time.

This can be accomplished by moving the S hook towards the door jamb, or away from the door jamb. Or, you can adjust cable length at the cable lacing bracket.

Cable lacing bracket



We have place a piece of tape on the door track to indicate original point of attachment.



Adding tension



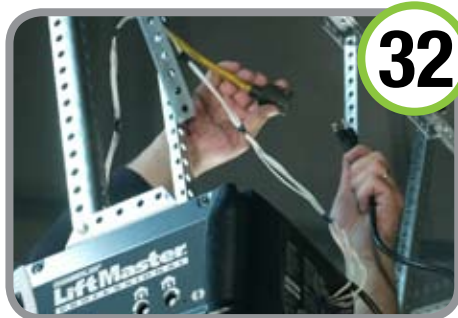
Reducing tension



**BOTH SPRINGS MUST HAVE AN EQUAL AMOUNT OF TENSION.
MEASURE**



After all adjustments have been made,
Reattach garage door opener.



Plug garage door opener
into grounded outlet.

Test system.