

Fitting Instructions for a Overhead Canopy Main Spring

Fitted to Henderson Pre-Premier & Premier Doors
Will also fit some Wessex & King Garage Doors.

These instructions cover: How to replace a Main Overhead Canopy Door Spring including cables.
How to add more tension to the main spring..



Tools Need

Screw drivers, Hammer, Mole Grips, 22mm spanner, 4mm Allen Key, Oil

Picture 1



Picture 1. Broken canopy spring

Step 1.

In some situations before changing the spring you may still have tension on the cables.

Cut any cables under tension as close to the plastic cone as possible. Fig A

Remove the split pin and washer from the arm and bracket Fig B

Remove the arm from the bracket

Repeat for the opposite side.

Picture 2



Step 2.

Remove the bracket retaining bolts 13mm / 1/2" socket for both sides.

Now the main spring can be removed from the spring support bracket.

Picture 3



Picture 4.



Step 3.

Remove all the packaging from the new spring, be careful not to knock the crook pin from the bracket on the right side which is holding the spring tension.

Picture 5



Step 4.

Place the new spring into position on the spring support bracket.
Replace the arms into the spring brackets (both sides)
Replace the bracket retaining bolts to (both sides) make sure you have a good fixing!

Picture 6

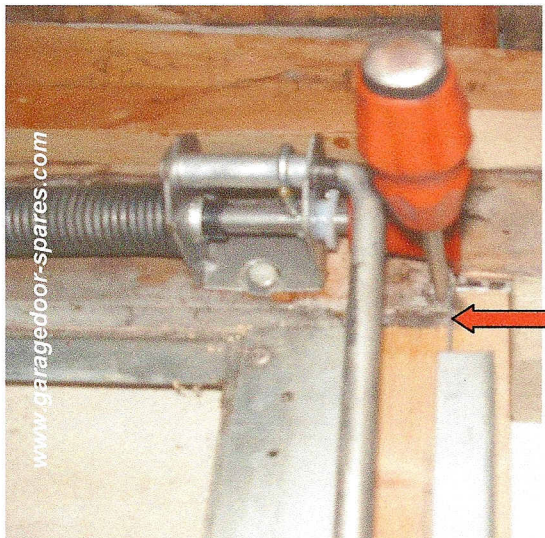


Step 5.

Connect the cable end to the spindles Picture 6 are Wessex Spindles

Same principle for all makes of garage doors

Picture 7



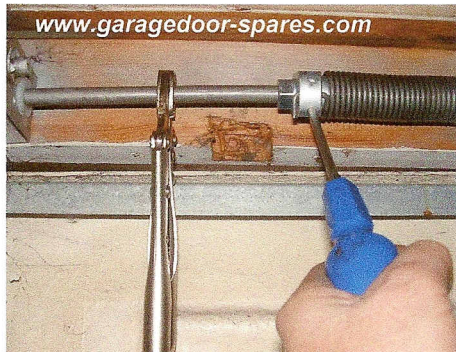
Step 6.

Put the tension onto the cables

To make sure the cable on the right side cone runs into the outer most groove when releasing the tension onto the cables I place a screwdriver into the wooden frame just below the cone this helps to guide the cable into position. Picture 7.

Cable

Picture 8



Step 7.

To remove the crook pin that is at present holding the tension on the main spring, place a tension bar into a hole on the collar and lift upwards slightly now clamp off the tension with a pair of mole grips against the frame Picture 8

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Picture 9



Step 8.

Now the tension is on the mole grips you can safely remove the crook pin from the right side bracket.

Picture 10

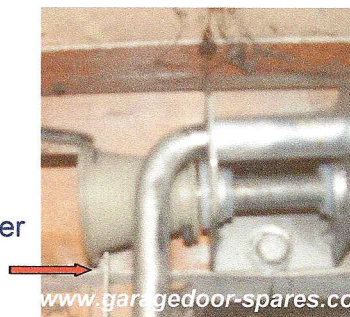


Step 9.

To release the tension onto the cables

Place a tension bar into the collar remove the mole grips, the tension is now on the tension bar, let the tension from the spring wind downwards. Check the cables on both sides are running in the outer most grooves on both sides as Picture 11

Picture 11



When you have checked every thing, slowly lift the garage door, check that the cables are running in the outer most grooves. The roller spindles are rolling and not sliding up & down the tracks, clean the tracks of any grease.

You may also need to replace the Roller Spindles, if the spindles are worn replace this will ensure the door operates smoothly. OIL ALL PARTS!!

If the garage door is not lifting under its own tension then you will need to add more tension the the main spring, to do this please look at my instructions on **How To Add Tension to a Overhead Canopy Door Spring.**

Please make sure the garage door is able to open and close without hitting any obstructions (garaden tools bins etc)

Safety Note

Please read the instructions carefully before you commence any work.

**If you have any doubts, please ask a qualified person,
or e-mail richard@garagedoor-repairs.co.uk**

All work is under taken at your own risk!

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