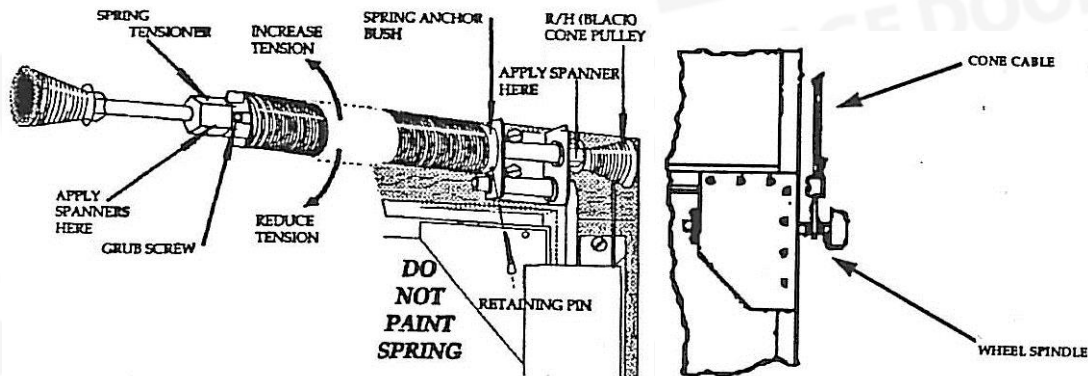


# Cone & Cable Fitting Instructions For Cardale CD45

All work to be carried out from **inside the garage**. Ensure that all tools required are at hand. You may require assistance.



1. Ease the spring tension using a 22mm spanner on the hex flats at the left hand end of the spring to allow some slack in the cables, then securely clamp the spring shaft to prevent it rotating. (A pair of 'mole' grips will provide a suitable clamp)
2. Remove the screws at the base of the jamb channels and the screws holding the brackets half way up (if fitted). This allows removal of the cable from the spindle.
3. Using a 4mm diameter pin punch, carefully drive out the hollow roll-pin on the cone (see note below)
4. Remove and discard BOTH old cones and hollow roll-pins. Reassemble using BOTH new cones and pins. The replacement cones are marked (L) left hand and (R) right hand. Care must be taken to ensure that the cables exit the cones from the top towards the door frame. Re-attach the cables to the spindles taking care to ensure they do not foul the jamb channels or the door arms. Replace the screws in the jamb channels
5. Carefully remove the shaft 'clamp' or 22mm spanner then check that the cables run on the top groove of the cones
6. Oil the overhead spring bearings, spring & roller spindles on installation and again at 12 month intervals, open the door & check for correct spring balance. A correctly balanced door should "stay put" when fully open. Increase the tension spring if required

## SAFETY NOTE

The overhead spring holds immense force, consequently the job can be dangerous. Great care should be taken to follow the instructions carefully. Safety glasses and gloves should be worn at all times. If in doubt, this work should be carried out by an experienced installer.

All work is undertaken at your own risk.

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