

Instructions for replacing cones and cables

For double merlin up & over garage doors

HEN0010

All work is carried out from inside of garage.

Tools required: • Screwdriver

- Hammer
- 1/8" dia. punch
- Flat punch
- Toggle bar
- 1/4" dia.

NOTE: You will need assistance when replacing and removing the crook pin. In order to ease the spring pressure place a toggle bar (1/4" dia) in the toggle bar hole on the spring plug, as shown, and turn it upwards. This will allow you to insert or retract the crook pin

1) Remove the door as follows:

- Insert the crook pin into right hand head bracket. (See note above)
- Wedge the door in the opening so that it will not move.
- Remove the side jamb channels
- Remove the head bracket bolts and lower spring assembly down onto door.
- Lift the door from opening

- Remove the spring assembly by withdrawing split pins that retain head and door brackets to arms and disconnect arms. Remove the looped end of the cables from the roller spindles.

- Supporting the other end of the spring, carefully drive the hollow pin from one cone using a hammer and a 1/8" diameter punch. (The cones are marked (L) left hand and (R) right hand. To ensure that replacement cones are fitted in same positions, it is essential that both cables emerge from the cones on the same side of the shaft, therefore change one at a time so that the alignment of cables is not lost. Drive in hollow pin with a flat punch and hammer taking care not to damage cone threads.

- Re-fit the spring and then replace the door by following the removal instructions in reverse. Before removing the crook pin ensure that the looped ends of the cables are within the recessed diameter of the roller spindle as shown.

NOTE: You will need assistance when removing the crook pin. In order to ease the spring pressure place a toggle bar in the spring plug, as shown, and turn it upwards. Remove the crook pin at the right hand end of the spring with a screwdriver. Then slowly lower the toggle bar; while ensuring that both cables are within the jamb channels and engaged in the cone grooves as shown.

Retain the crook pin in a safe place for future maintenance purposes. If all spring tension has been lost, it will be necessary to retension the spring. A retensioning kit is available for this operation. In the interest of personal safety fixing should be carried out in strict accordance with details provided. All work is undertaken at owner's risk.

