

CARDALE

FIXING INSTRUCTIONS FOR TRACKLESS SPRING DOORS

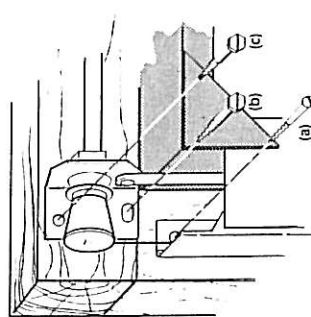
NOTES

- Before fitting door, check opening size and squareness of timber frame. The door is made smaller to give correct clearance within the frame.
- There must be a minimum of 51mm (2") headroom above lower face of top timber, or lintel. This must reach back into the garage for at least 1524mm (5').
- The "goalpost" timber frame must be a minimum of 70mm x 70mm square (2 3/4" x 2 3/4").
- All the initial fitting work is done from inside garage so tools and parts should be to hand there before door is placed in opening. Pay specific attention to lubrication.

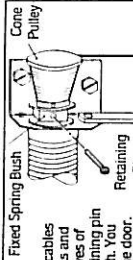
FOLLOW INSTRUCTIONS CAREFULLY

1. After removing transit materials, stand door safely propped between side timbers so the gaps down each side are equal and parallel. A gap of 1/2" should be left at the top. If the opening is not square, the top weather beading will cover any irregularity.

2. (a) Secure side runners top and bottom with 1 1/2" x No. 12 screws.
 (b) After ensuring link arms are spaced equally either side of the door, fit Spring Mating Brackets through slots at bottom using 1 3/4" x 1/4" slot and insert 2 screws.
 (c) Having ensured that both brackets are positioned squarely, insert 1 3/4" x 1/4" slotted coach screws into top holes.

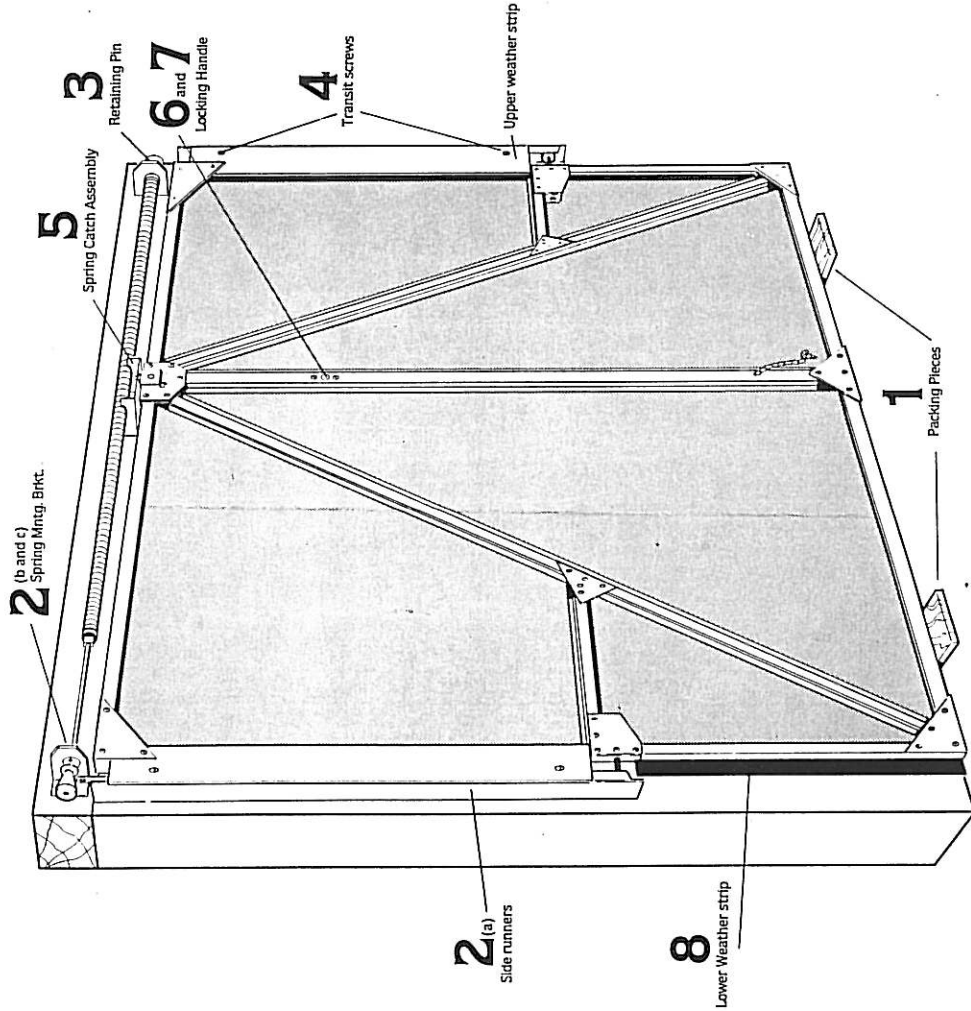


3. Ensure both cables are within side channels and engaged in outer grooves of cone pulleys. Take retaining pin out of fixed spring bush. You now have tension on the door.



4. Take out 2 transit screws from each upper weather strip. With door open insert 1 screw 1" x No 8 halfway down each side runner.

INSIDE VIEW OF DOOR



5. With door slightly open take spring catch assembly and slide tongue sideways into formed tag. Align fixing holes with those in top of door and insert 2 self tapping screws supplied. Align spring support/catch bracket centrally over lock pin with lower face level with underside of head timber and insert 2 screws 1 1/2" x No. 12.

6. Open the door to half way. Place handle vertically into the 3 holes in the door. Secure with countersunk screws and washers from inside the door. NOTE: Some doors have handle fitted horizontally with name "CARDALE" to the left.

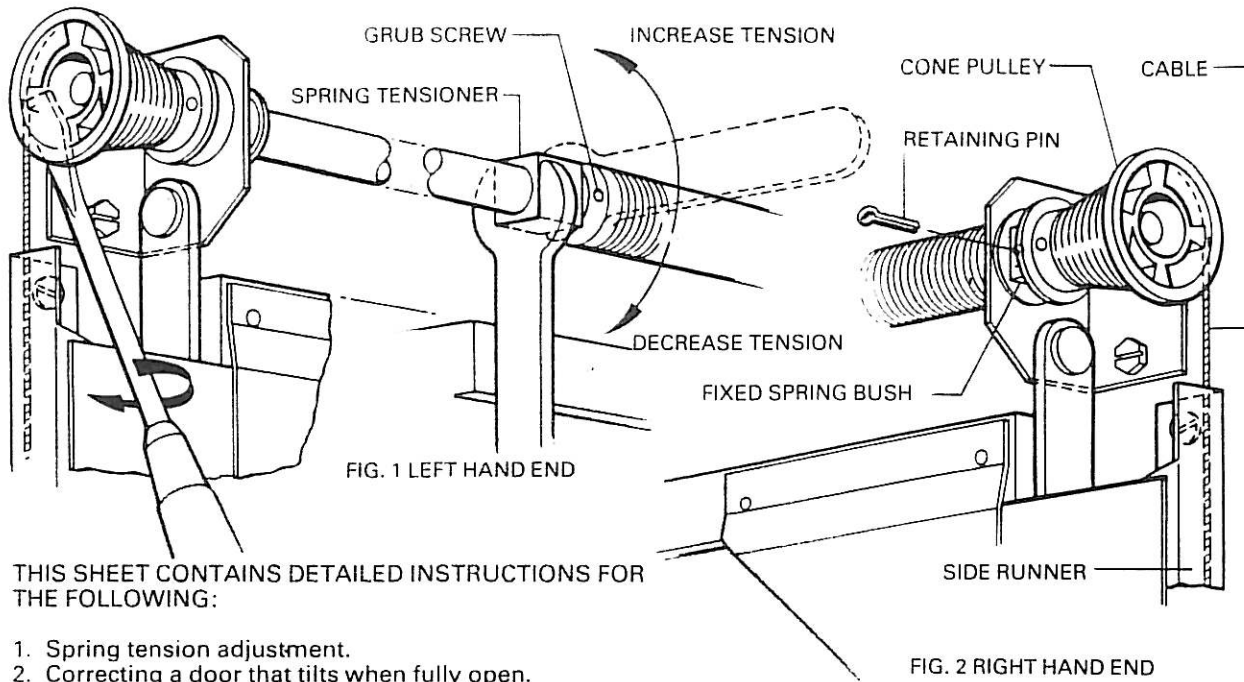
7. Make sure that the handle is vertical (ref also to note in fig. 6). Feed cable through small hole in plastic cam. Slacken off grub screw. Place cam over square lock stem. Pull cable taut ensuring catch pin engages catch bracket correctly. NOTE: The same applies to handles fitted horizontally.

8. Fit black plastic lower weather strips. They should be positioned so that they are lightly touching the sides of the door. Any excess length can be cut off.

9. Important: Fix 25mm x 25mm (1" x 1") wooden weather beading securely to the underside of the head on the outside of the door.

NOTES ON COMPLETION:-

- Oil spring and all pivot points regularly.
- Do not paint spring or any moving parts.
- In the event of difficulty refer directly to CARDALE DOORS LTD.



THIS SHEET CONTAINS DETAILED INSTRUCTIONS FOR THE FOLLOWING:

1. Spring tension adjustment.
2. Correcting a door that tilts when fully open.

THESE INSTRUCTIONS MUST BE FOLLOWED CAREFULLY.

- 1. TENSION ADJUSTMENT RE-SET.** Note: Before proceeding oil the spring, all pivot points and apply grease within the side runners. This may prevent the need for retensioning.
WARNING: THE SPRING IS UNDER TENSION — FOLLOW INSTRUCTIONS CAREFULLY TO AVOID INJURY.

TOOLS REQUIRED:-

All tools required are contained in the Cardale Tensioning Kit — (Part number AZSP 1021)
CONTENTS — 2 OFF 7/8" A/F (22mm) spanners — 1 OFF 5/32" Allen Key — Retaining Pin.

To carry out this adjustment a second person will be required.

- a. Grip spring tensioner (Fig. 1) with spanner and by rotating upward align holes in fixed spring bush and spring shaft (Fig. 2). The second person should then insert the retaining pin (Fig. 2). This locks the spring shaft in position.
- b. Hold spring tensioner **FIRMLY** with spanner.
- c. Slacken off **ONE** grub screw only with Allen Key. **IT IS IMPORTANT THAT AT LEAST ONE SPANNER IS ENGAGED ON THE TENSIONER AND HELD FIRMLY AT ALL TIMES WHILST EITHER ONE OR BOTH OF THE GRUB SCREWS HAVE BEEN SLACKENED OFF. FAILURE TO DO SO WILL CAUSE IRREPARABLE LOSS OF ALL SPRING TENSION, REQUIRING THE ENTIRE UNIT TO BE REPLACED.**
- d. Using second spanner turn spring tensioner upward bringing other grub screw to the front.
- e. Slacken off second grub screw.
- f. Increase/reduce (see Fig.1 for movement directions) spring tension using both spanners.
- g. Re-tighten both grub screws (Do not overtighten).
- h. Remove retaining pin.
- i. Test door action. Should further adjustment be necessary repeat a-i.

- 2. CORRECTING DOOR THAT TILTS WHEN FULLY OPEN.** Note: The 'low' side of the door when opened is the side that these instructions will apply to. If the right hand side — (looking from inside the garage) is affected, a second person will be required.

TOOLS REQUIRED: 1 OFF 7/8" A/F (22mm) spanner — Screwdriver.

- a. Close door from inside.
- b. Grip spring tensioner (Fig. 1) with spanner and by rotating upward approximately 1/4 turn the tension on the offending cable will be released.
- c. Using screwdriver push cable into the outermost groove. (Fig. 1).
- d. Let tension back onto cable. Open door.
- e. If cable is still in wrong groove repeat process until door is square to frame.

IN THE EVENT OF DIFFICULTY PLEASE CONSULT YOUR LOCAL SUPPLIER OF CARDALE DOORS — SEE YELLOW PAGES OR CONTACT OUR SERVICE OPERATIONS DEPARTMENT — TELEPHONE 0280 703022