

**CARDALE GARAGE DOORS - SPARES PACK -  
AZSP 1017**

**INSTRUCTIONS FOR THE CD45 OVERHEAD DOOR**

**CONES & CABLES FITTING & SPRING TENSION ADJUSTMENT**

**CONTENTS**

PART CODE	DESCRIPTION	QTY
CCTA 0000 L	L/H Cone Pulley (Black)	1
CCTA 0000 R	R/H Cone Pulley (White)	1
DPIN 0273	4 x 50mm Split Pin	1
DPIN 0280	5/32" x 1" Roll Pin	2
DPIN 5517	Contents List & Fitting Inst	1

**Tools Required**

22mm Open Ended Spanners (Gedore No 7) 2 off  
 Hammer & Spade End Screwdriver  
 Pliers  
 1/8" Diameter Flat Nose Pin Punch  
 4mm (5/32" A/F) Allen Key  
 Step Ladder (Small)

**- WARNING -**

The spring is under extreme tension. Follow instructions carefully to avoid personal injury.

**IN THE EVENT OF DIFFICULTY PLEASE CONSULT YOUR  
LOCAL CARDALE SUPPLIER OR CALL OUR**

**HELPLINE ON 01280 705077**

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Issue "A"

**APPROVED FOR MANUFACTURE**

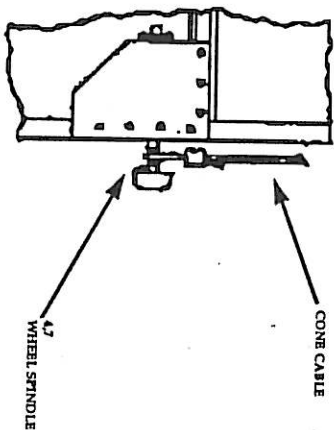
DATE OF ISSUE:

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## Replacement of Cone Pulley / Cable assembly

**NOTE:** On some installations difficulty may be experienced in removing cone pulleys because of restricted side room. In extreme circumstances door may have to be removed.

**IF IN DOUBT CONSULT A QUALIFIED TRADESMAN/INSTALLER**



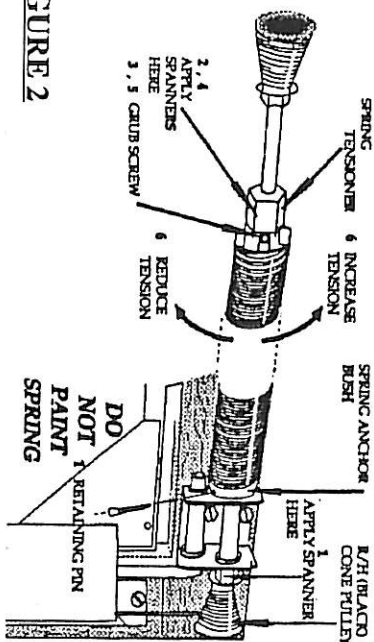
**FIGURE 1**

1. Open door half way and remove the centre fixing screws from both runners.
2. Close the door fully and using a 22mm Spanner push upwards on the R/H Cone (Black) aligning the holes in the spring anchor bush (Grey) and the spring shaft. Insert the split pin through holes and remove spanner.
3. Remove lower fixing screws from both runners and slide the bottom end of each runner away from the door. If your door is fitted with 3 point latching the security blocks will also have to be removed.
4. Open door slightly and remove R/H cable from around wheel and spindle assembly.
5. Remove existing roll pin from R/H cone using 1/8" diameter punch and slide cone off of spring shaft.
6. Slide new R/H cone (Black) onto shaft, hexagonal end towards the spring and fix to shaft using new roll pin. Ensure cable is hung between cone and timber frame and hangs freely on the inside of runner.
7. Loop cable back over the wheel and spindle assembly ensuring location into groove.
8. Repeat operations 4 to 7 for L/H Cone (White).
9. Replace runners into original positions and secure using fixing screws previously removed. Replace the security blocks if originally fitted.
10. Remove split pin from spring anchor bush by reversing operation 2.
11. Open door halfway and replace the centre fixing screws on both runners.

## "Spring Tension Adjustment - Re-set"

**NOTE:** Before proceeding, oil the spring and all pivot points. This may prevent the need for re-tensioning and any further action.

**EYE PROTECTION MUST BE WORN**



**FIGURE 2**

1. Grip R/H (Black) cone pulley with spanner and, by turning upwards, align holes in spring anchor bush and spring shaft. Insert retaining Split Pin or suitable nail into this hole as shown (Figure 2).
2. Hold SPRING TENSIONER firmly with spanner (see figure 2).
3. Slacken off ONE grub screw only with Allen Key.

**IT IS IMPORTANT THAT AT LEAST ONE SPANNER IS ENGAGED ON THE METAL TENSIONER AND HELD FIRMLY AT ALL TIMES WHILEST EITHER ONE OR BOTH OF THE GRUB SCREWS HAVE BEEN SLACKENED OFF. FAILURE TO DO SO MAY CAUSE IRREPAIRABLE LOSS OF ALL SPRING TENSION, REQUIRING THE ENTIRE UNIT TO BE REPLACED.**

4. Using second spanner, turn spring tensioner upward bringing the second grub screw to the front.
5. Slacken off second grub screw ensuring spanner is firm on tensioner.
6. Increase or reduce spring tension using both spanners, (see Figure 2 for movement directions).
7. Re-tighten both grub screws. (Do not over tighten).
8. Remove retaining pin.
9. Test door action. Should further adjustment be necessary repeat 1 to 9.