

## INSTALLATION INSTRUCTIONS FOR YOUR CARDALE TRACKLESS CD45 DOOR

**SAFETY FIRST** PLEASE READ INSTRUCTIONS RIGHT THROUGH BEFORE COMMENCING INSTALLATIONS

**CAUTION** THE SPRING IS UNDER TENSION - FOLLOW INSTRUCTIONS CAREFULLY TO AVOID ANY CHANCE OF PERSONAL INJURY.

**WARNING** WHEN FITTING THE MULTI-POINT LATCHING DO NOT SHUT THE DOOR WHILST YOU ARE OUTSIDE THE GARAGE UNTIL ALL LATCHES HAVE BEEN CORRECTLY SET AND TESTED (SEE INSTRUCTIONS 9 & 10). FAILURE TO COMPLY COULD RESULT IN BEING LOCKED OUT OF THE GARAGE AND A CHARGEABLE SERVICE CALL WILL BE REQUIRED.

### IMPORTANT NOTES

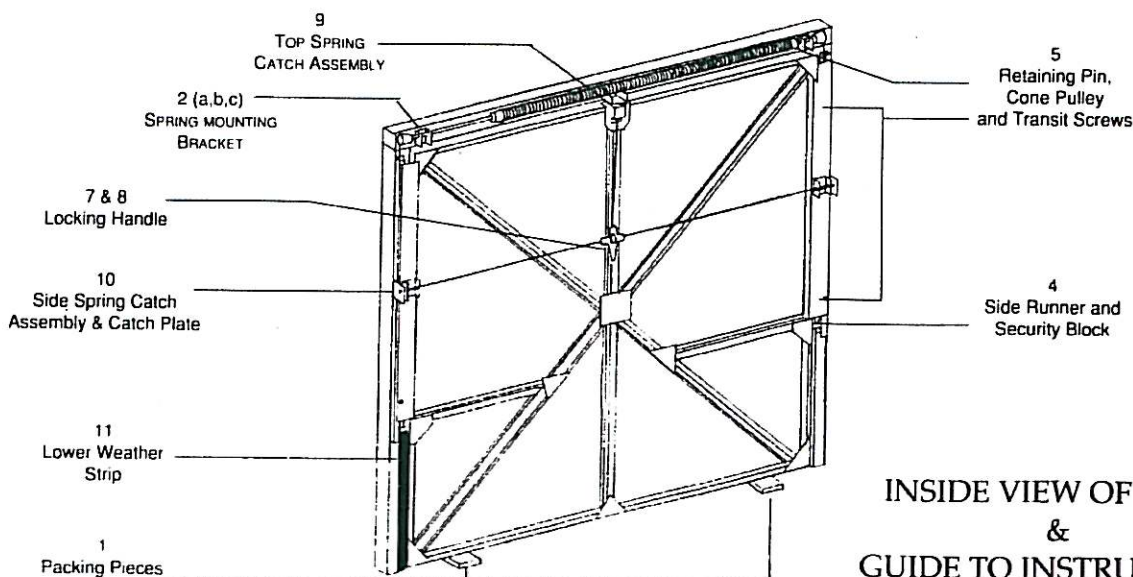
**BEFORE STARTING:** REMOVE ALL WRAPPING INCLUDING PLASTIC SLEEVE FROM SPRING. ENSURE THAT YOUR DOOR HAS BEEN SUPPLIED WITH A SIDE CATCH PACK AND THE CORRECT MAIN FIXING PACK (FIXING PACK CODES ARE ON THE IDENTIFICATION LABEL ON REVERSE OF DOOR).

**ON COMPLETION:** LUBRICATE ALL MOVING PARTS REGULARLY, (REF: LUBRICATION MAINTENANCE LABEL, ON REVERSE SIDE OF DOOR).

DO NOT PAINT SPRING OR ANY MOVING PARTS.

IN THE EVENT OF DIFFICULTY REFER DIRECTLY TO THE SUPPLIER OF YOUR CARDALE DOOR.

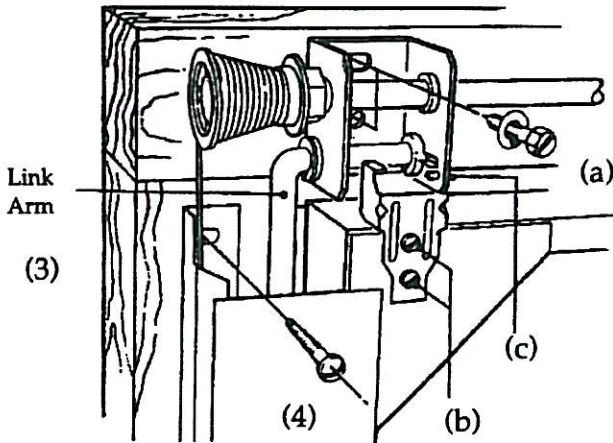
- (a) Before fitting door, check opening size and squareness of timber frame. The door is made smaller to give correct clearance within the frame.
- (b) There must be a minimum of 65mm (2 1/2") headroom above lower face of top timber, or lintel. This must reach back into the garage for at least 1300mm (4 feet 3 inches).
- (c) The 'goalpost' timber frame should be a minimum of 70mm x 70mm square (2 1/4").
- (d) All the initial fitting work is done from inside the garage so tools and parts should be to hand there before door is placed in opening. Pay specific attention to lubrication.
- (e) Slots are provided in all key components to allow for final adjustment, if required, when door has been installed.



**NOTE TO INSTALLER** PLEASE ENSURE THAT THIS INSTRUCTION SHEET REMAINS WITH THE DOOR FOR OWNERS FUTURE REFERENCE.

**1** Stand door centrally between side timbers on packers ensuring that the bottom edge of the Spring Mounting Brackets are set level with the underside of the top timber.

**2** (a) Insert a coach screw with washers into the slotted hole at the top of both Spring Mounting Brackets. Do not fully tighten at this stage.



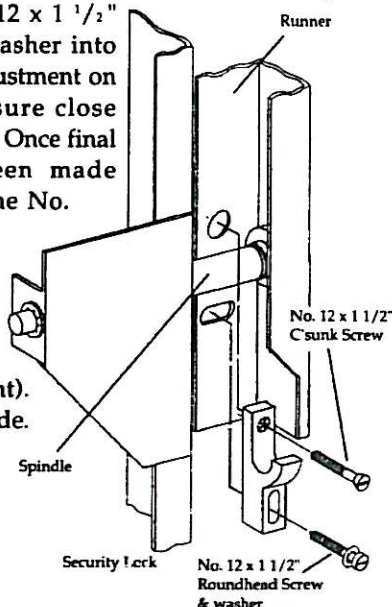
(b) Remove the self tapping screws holding the door to the transit brackets. This allows the top of the door to move forward and the side runners to locate fully against the side timbers.

(c) Remove remaining screw on the side of the Transit Brackets. Remove and discard the Transit Brackets.

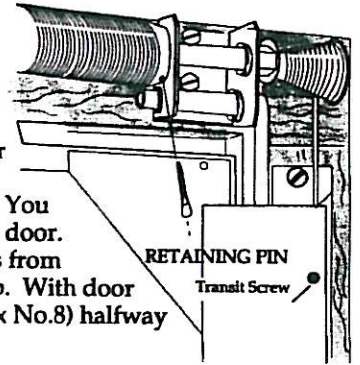
**3** Recheck that door is positioned centrally between timbers and that both link arms (see Diagram in Section Two) are equally set relative to door panel edge (any minor adjustment will be available on the Spring Mounting Bracket top slotted holes) before inserting lower coach screw in each side.

**Tighten all four Spring Mounting Bracket coach screws.**

**4** Insert and tighten a No. 12 x 1 1/2" slotted screw into both upper fixing slots in Runners (see diagram in section 2). Fix Diecast Security Block around Spindle at bottom of Runner (ensure block does not foul on nylon wheel) using a No. 12 x 1 1/2" slotted screw and washer into slotted hole. Use adjustment on slot in block to ensure close contact with Spindle. Once final adjustment has been made insert and tighten the No. 12 x 1 1/2" countersunk slotted screw into top hole on block. (See diagram adjacent). Repeat for opposite side.



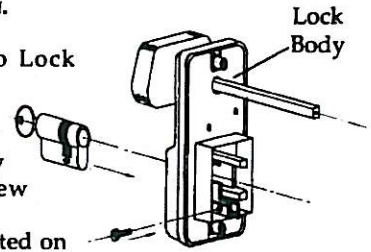
**5** Ensure both cables are within side runners and engaged in outer grooves of cone pulleys. Take retaining pin out of Spring Anchor Bush with assistance of spanner on cone pulley. You now have tension on the door. Take out 2 transit screws from each upper weather strip. With door open insert 2 screws (1" x No.8) halfway down each side runner.



**6** IF YOUR "EUROLOCK" ALREADY HAS THE BARREL FITTED, IGNORE THIS INSTRUCTION.

Slide Lock Barrel into Lock Body, ensuring that Cam is Aligned with Barrel as shown. Screw Lock Barrel to Lock Body using M5 x 16mm Screw supplied.

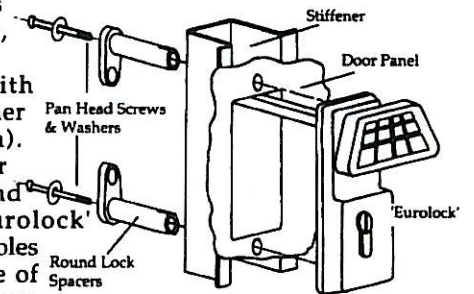
Note: Screw must be fitted on opposite side of Barrel to Cam Plate as shown.



## 7 FITTING THE LOCK TO THE DOOR

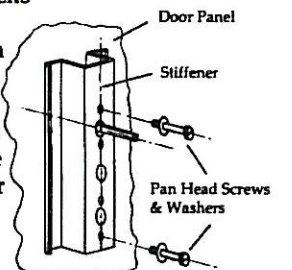
### A) FOR DOORS WITH TUBULAR SPACERS

From inside of door insert two plastic lock spacers into pierced holes in stiffener, aligning hole in flange with hole in stiffener (see diagram). Open door halfway and place the 'Eurolock' through the holes proved in face of panel. Secure from inside garage using two pan head screws and washers provided.



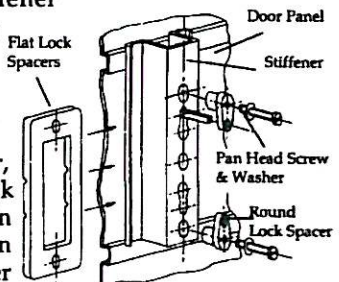
### B) FOR DOORS WITHOUT LOCK SPACERS

Insert lock through holes in panel from front of door and secure from inside garage using two pan head screws and washers provided. Secure firmly but **Do Not Over Tighten**.

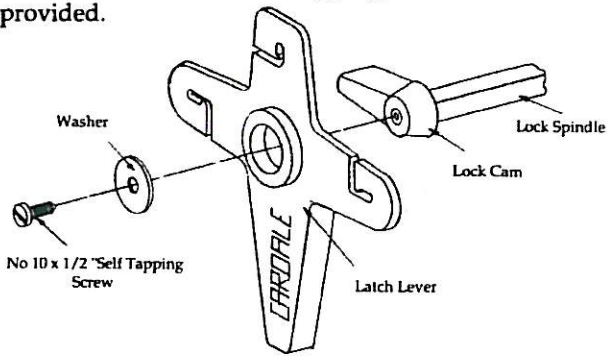


### C) FOR DOORS WITH LARGE FLAT LOCK SPACER.

Slide spacer between stiffener and panel as shown, lining up holes in spacer with those in panel. Ensure flat face of spacer is against bottom of stiffener. From inside door, insert two round lock spacers into pierced holes in stiffener, aligning hole in flange with hole in stiffener (see diagram). Open door halfway and insert lock through holes in panel locating lugs of lock through holes in flat spacer. Secure from inside garage using panhead screws and washers provided. Secure firmly but **Do Not Over Tighten**.

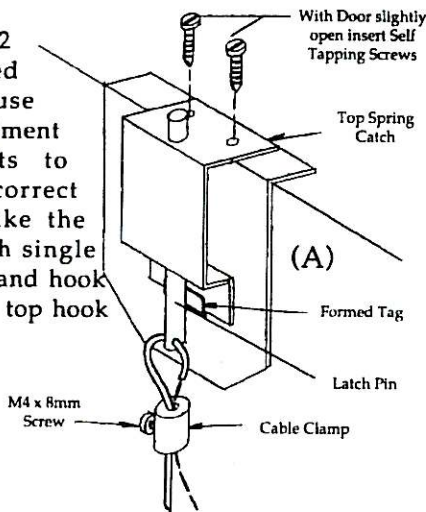


**8** From the front of the door, ensure handle is turned to the horizontal position. From inside garage place plastic lock cam onto the square door spindle in orientation shown. Fit latch lever over lock cam as shown and fix with self tapping screw and washer provided.

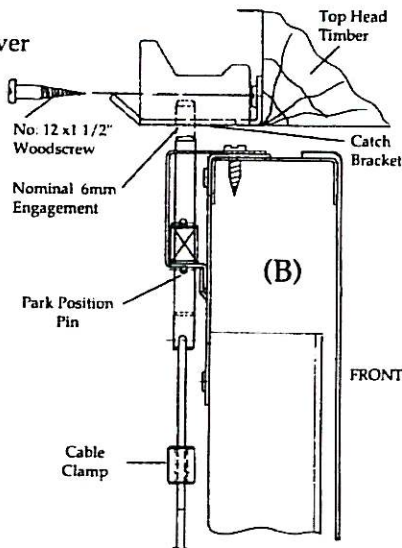


**9** With the door slightly open take top spring catch assembly and engage into formed tag (see diagram A). Align fixing holes with those in top of door and insert self tapping screws (No 10 x 1/2") provided. With door closed, remove park pin to release latch pin (see diagram B). Align spring support/catch bracket centrally over latch pin with lower face level with the underside of the head timber.

Insert two No. 12 x 1 1/2" slotted screws and use sideways adjustment on screw slots to ensure correct alignment. Take the loose cable with single loop from pack and hook looped end onto top hook on latch lever.



Slide cable clamp over free end, route cable through hole in latch pin and return through clamp (see diagram A). Adjust length of cable to ensure correct catch pin engagement (see diagram B). Tighten screw in clamp on completion of adjustment.



## 10 CAUTION

**DO NOT CLOSE DOOR FROM OUTSIDE UNTIL ALL LATCHES HAVE BEEN CHECKED FOR CORRECT SETTING AND OPERATION. FAILURE TO FOLLOW THESE INSTRUCTIONS CAREFULLY MAY RESULT IN A LOCK OUT SITUATION AND A CHARGEABLE SERVICE CALL MAY RESULT.**

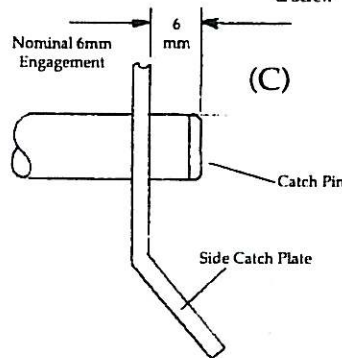
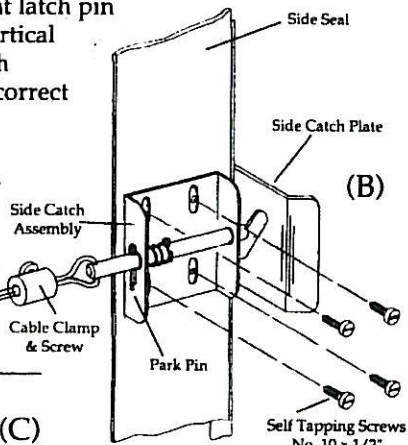
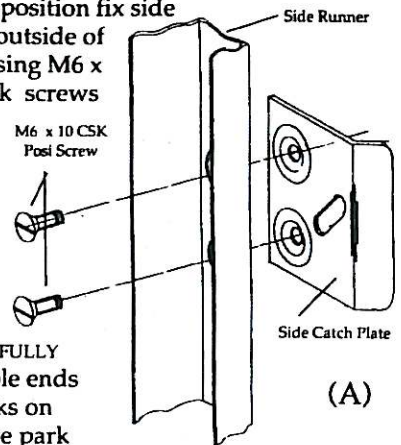
With door in open position fix side catch plates to the outside of each side runner using M6 x 10 countersunk lock screws provided (see diagram A)

Close the door and attach side catch assemblies to both side seals with self tapping screws

Loop cable ends onto both side hooks on latch lever. Remove park position pins so that latch pin springs out. Use vertical adjustment on catch brackets to ensure correct pin alignment (see diagram B).

**Tighten all screws.**

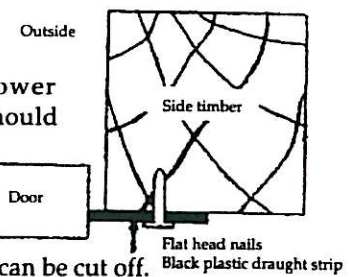
If necessary adjust cable length to give correct pin engagement (see diagram C).



This can be achieved by loosening the screw on the cable clamp, moving cable slightly and re-tightening cable clamp screw.

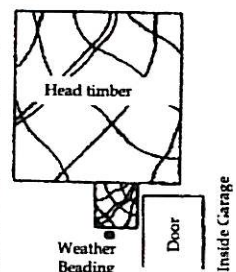
## 11 PLAN VIEW

Fix 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.



## 12 SIDE VIEW

**Important** Fix 25mm x25mm (1" x 1") wooden weather beading securely to the underside of the head on the outside of the door.



### NOTES ON COMPLETION

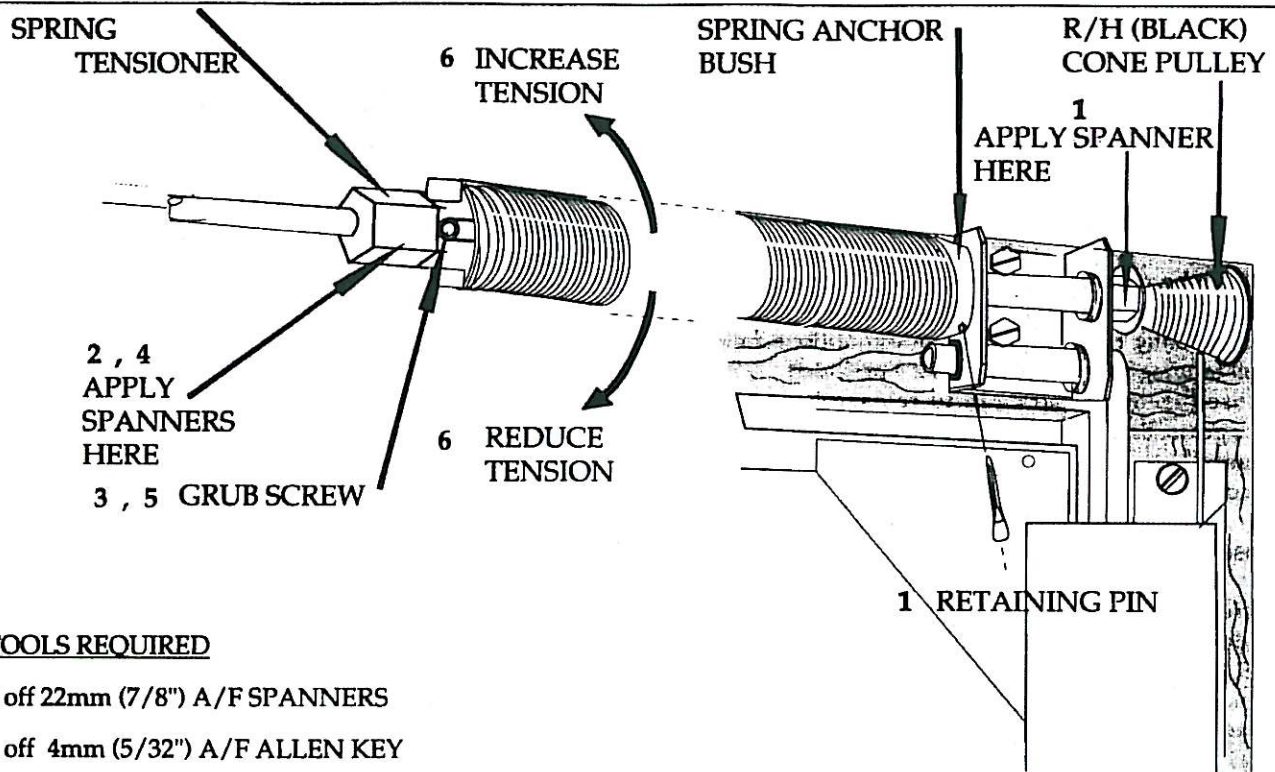
- i) ON COMPLETION OF INSTALLATION, LUBRICATE ALL MOVING PARTS (REFER TO LABEL ON REVERSE OF DOOR)
- ii) GREASE ALL SIDE CATCH PINS TO ENSURE SMOOTH OPERATION.
- iii) IT IS THE RESPONSIBILITY OF THE INSTALLER TO ENSURE THAT THE SPRING TENSION IS CORRECTLY SET. IF THE TENSION REQUIRES ADJUSTMENT, REFER TO INSTRUCTIONS ON BACK PAGE.

**CARDALE CD45 TRACKLESS SPRING  
ADJUSTMENT INSTRUCTIONS**



**CARDALE  
GARAGE DOORS**

**IMPORTANT – THESE INSTRUCTIONS MUST BE RETAINED BY THE HOUSEHOLDER**



**TOOLS REQUIRED**

2 off 22mm (7/8") A/F SPANNERS

1 off 4mm (5/32") A/F ALLEN KEY

1 off RETAININGPIN (4mmDIA X 50MM OR SIMILAR)

**THESE INSTRUCTIONS MUST BE FOLLOWED CAREFULLY**

**NOTE:** Before proceeding, oil the spring, all pivot points and apply grease within the side runners. This may prevent the need for re-tensioning.

**WARNING** THE SPRING IS UNDER TENSION - FOLLOW INSTRUCTIONS CAREFULLY TO AVOID PERSONAL INJURY.

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

1. Grip R/H (Black) cone pulley with spanner and, by turning upwards, align holes in spring anchor bush and spring shaft. Insert Retaining Pin fully into this hole as shown. THEN REMOVE SPANNER.
2. Hold spring tensioner firmly with spanner.
3. 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 MAY CAUSE IRREPARABLE LOSS OF ALL SPRING TENSION, REQUIRING THE ENTIRE UNIT TO BE REPLACED.
4. Using second spanner, turn spring tensioner upward bringing second grub screw to the front.
5. Slacken off second grub screw.
6. Increase/reduce spring tension using both spanners (See Diagram for movement directions).
7. Re-tighten both grub screws but do not overtighten.
8. Remove retaining pin, by reversal of instruction Number 1.
9. Test door action. Should further adjustment be necessary repeat 1 - 9.

**IN THE EVENT OF DIFFICULTY PLEASE CONSULT YOUR LOCAL SUPPLIER OF CARDALE  
DOORS - SEE YELLOW PAGES - OR REFER TO YOUR INSTALLER.**