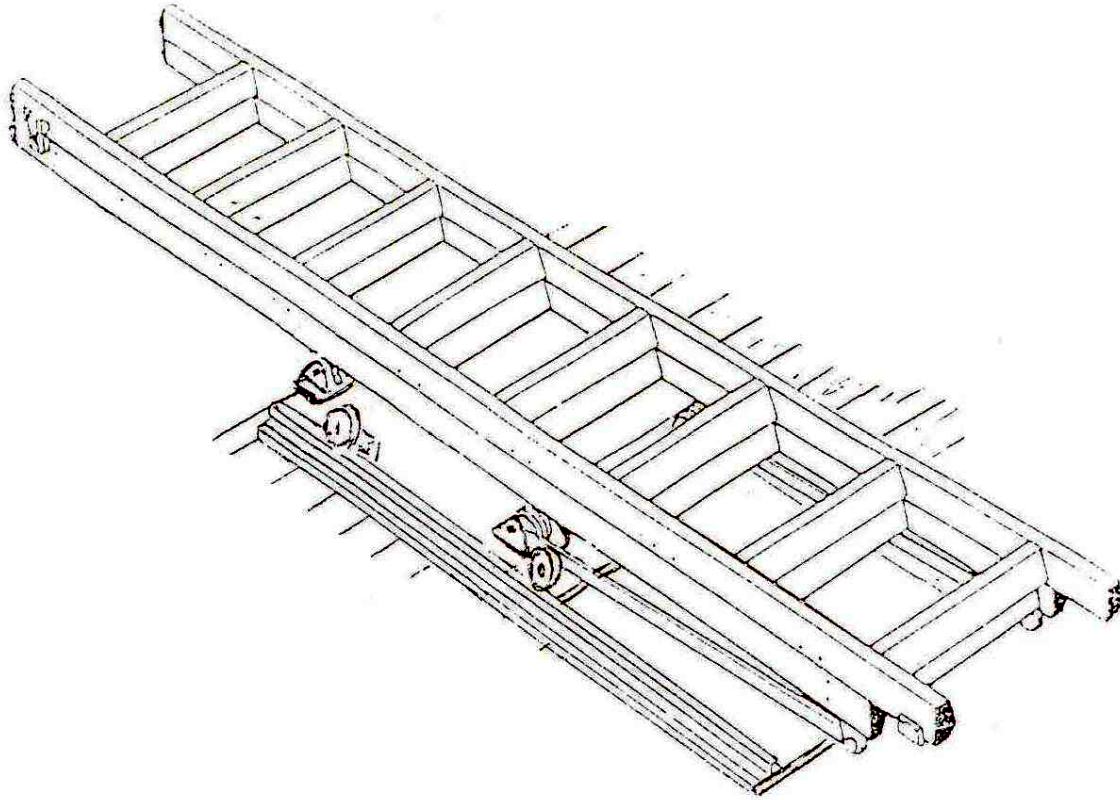


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VCL Aluminium Fitting Instructions

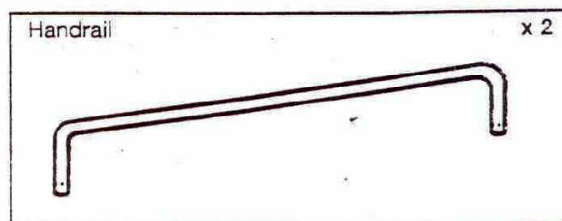
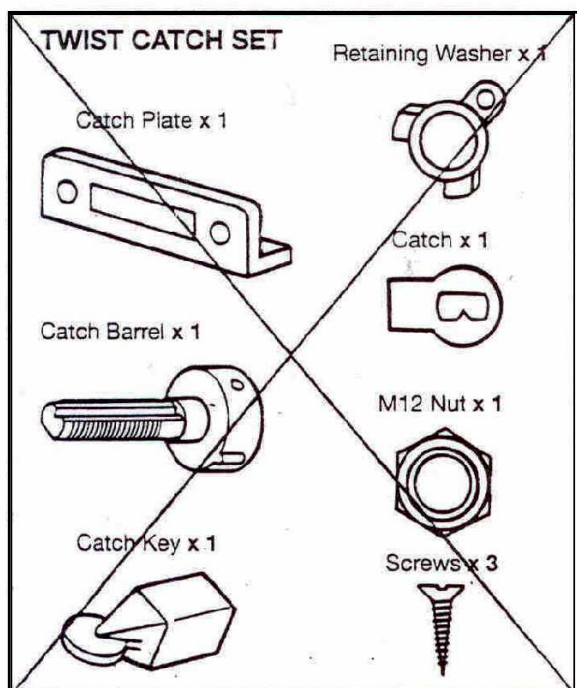
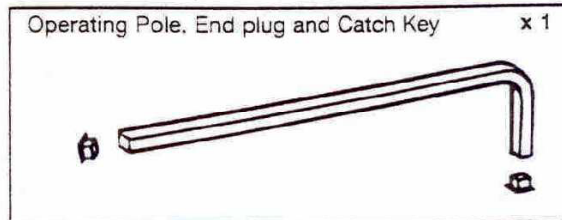
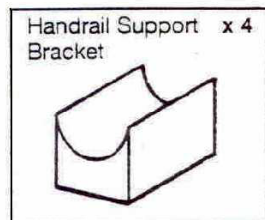
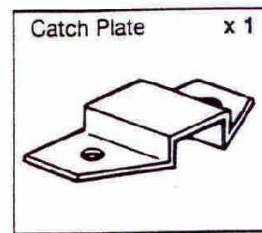
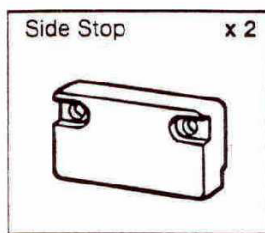
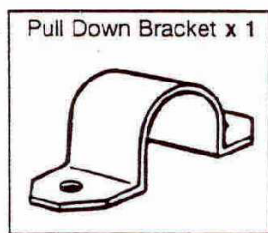
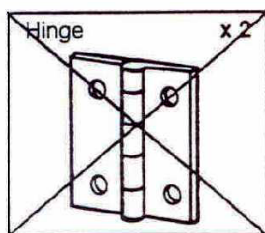


Assembly

Do not attempt to use this loft ladder until it has been properly installed and stages **1** - **3** have been completed.

It is recommended that the installation is carried out by two people.

Read the instructions completely before attempting to install this loft ladder and make sure they are fully understood.



Tools Required

Crosshead Screwdriver

Flat Bladed Screwdriver

Bradawl

Spanners 8mm x 2 + 19mm

Electric Drill + 2mm drill bit

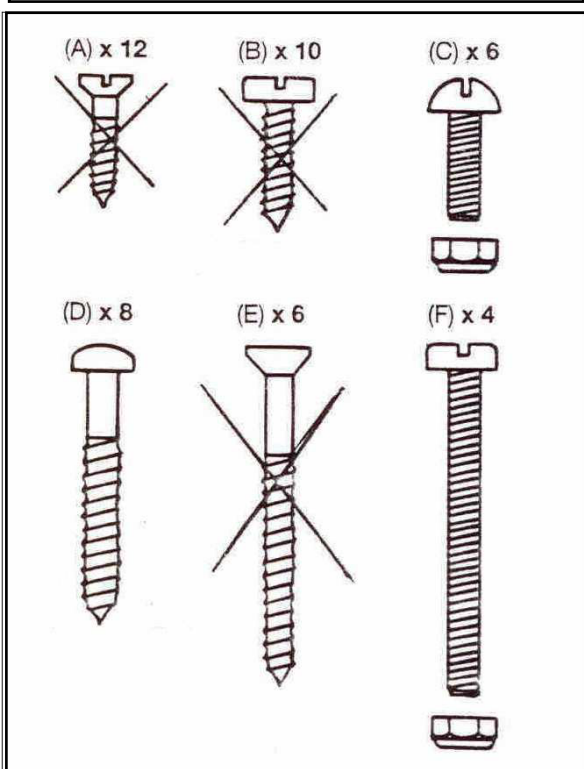
Tape Measure

Additional Fixings Supplied

(G) 5mm x 40mm Goldscrew x 6
(To fix down spring board)

(H) 5mm x 30mm Panhead Screw x 8 (to fix down hinge brackets)

(I) 6mm x 13mm Panhead Screw x 2 (stops on main ladder)



1. FIXING BASEBOARD TO FLOOR

Fix baseboard to floor using screws (D) through rails.

Front rails should be max 25mm from edge of loft floor

N.B. If the ladder baseboard needs to be positioned more than 25mm from the edge of the floor, then the two notches on either side of the running board needs to be extended. Remove the two stop screws and slide the top running board forward, cut the notches on either side to the required length and slide the board back into place. Finally replace the two stop screws.

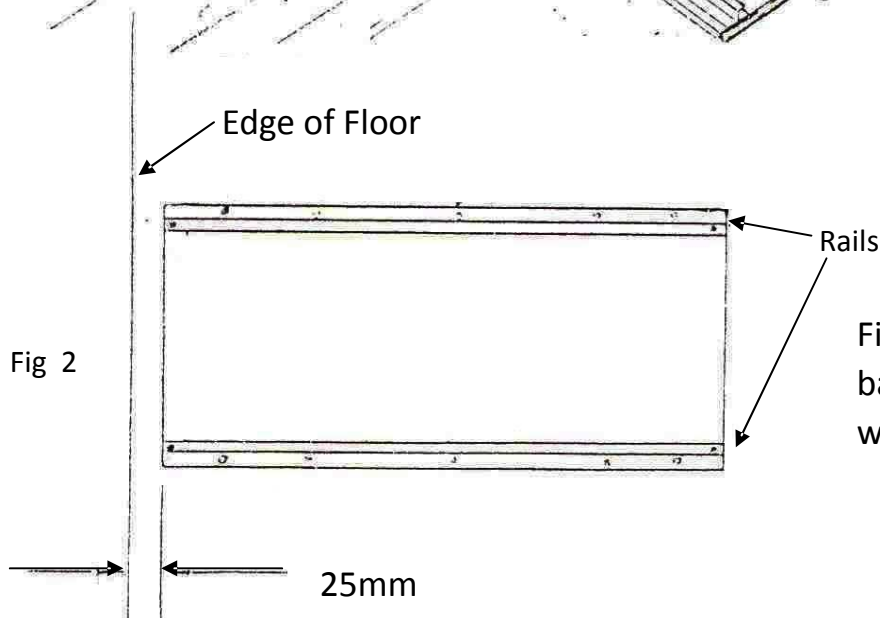
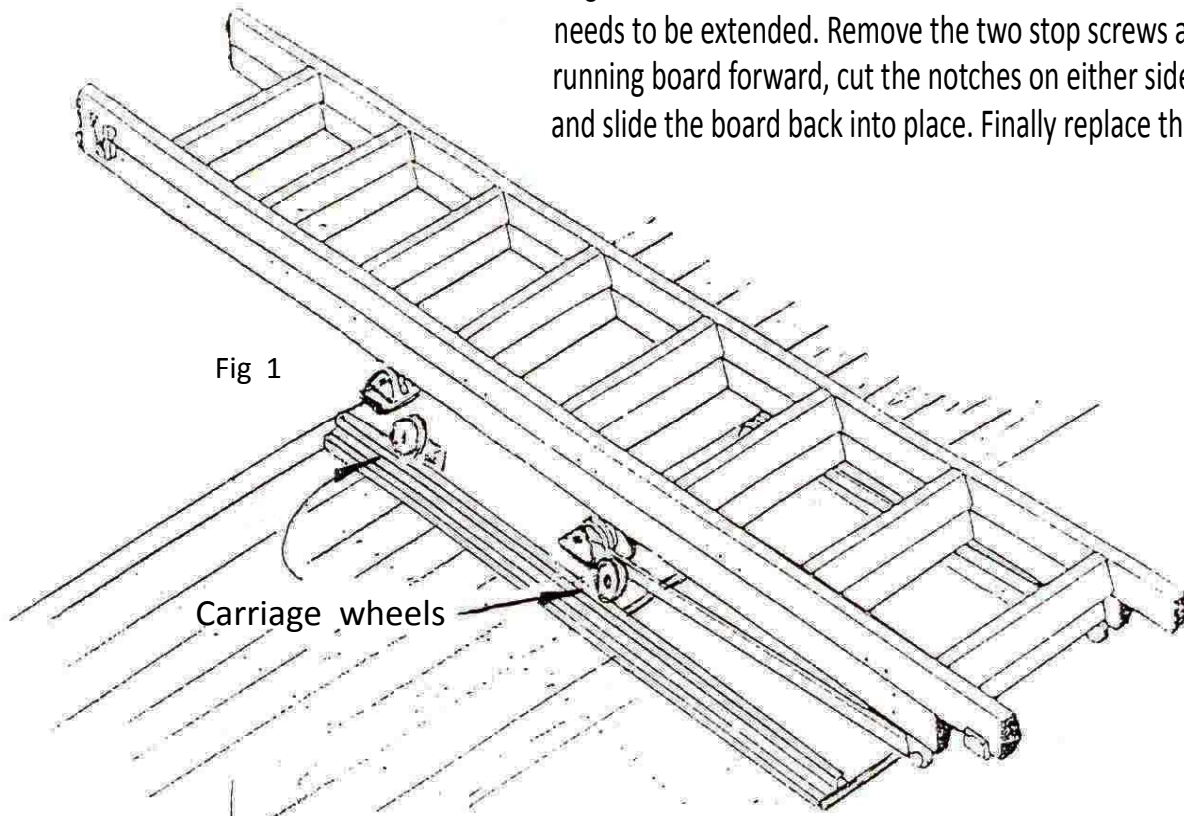
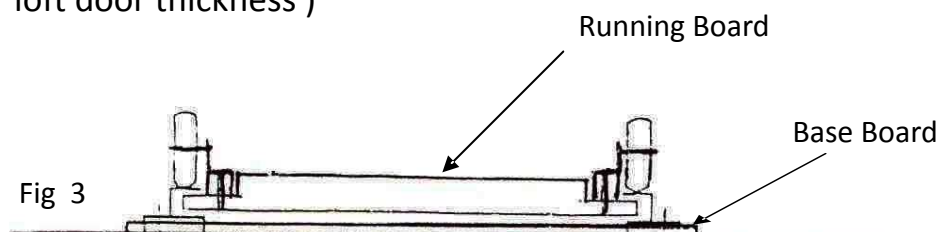


Fig. 2 For ease of use base board must be flat when fixed.

(Max space for loft door thickness)



2. FITTING SIDE STOP AND CATCH PLATE

Measure the floor to loft floor height + thickness of base & running board. Refer to the table to determine the positions for the catch plate and side stops. Fit the catch plate and side stops as shown using 6 nuts and bolts (C). Ensure that the side stops are only projected slightly beyond the edge of the ladder.

Catch Plate Position	Side Stop Position	Floor to Floor Height Range
A	E	2270mm (7'5") - 2505mm (8'4")
B	F	2505mm (8'4") - 2740mm (9'0")
C	G	2740mm (9'0") - 2975mm (9'9")
D	H	2975mm (9'9") - 3210mm (10'6")

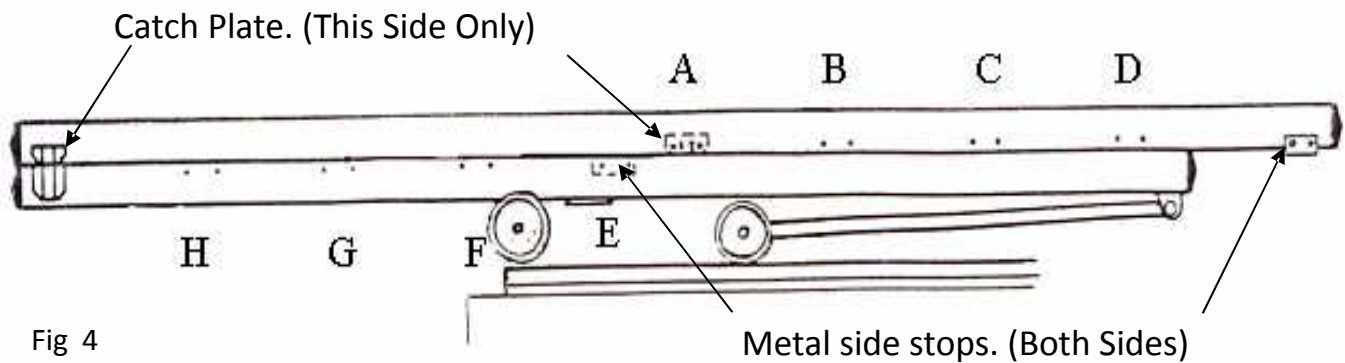


Fig 4

Slide ladder carefully to ground. (DO NOT STAND ON LADDER). Align the treads on the ladder overlap. Fix the metal side stops as shown (fig. 5) in the appropriate holes for the height.

Fix catch plate. Fix upper stop. When adjusted correctly, the weight when the ladder is climbed is taken on the stops and not on the spring catch.

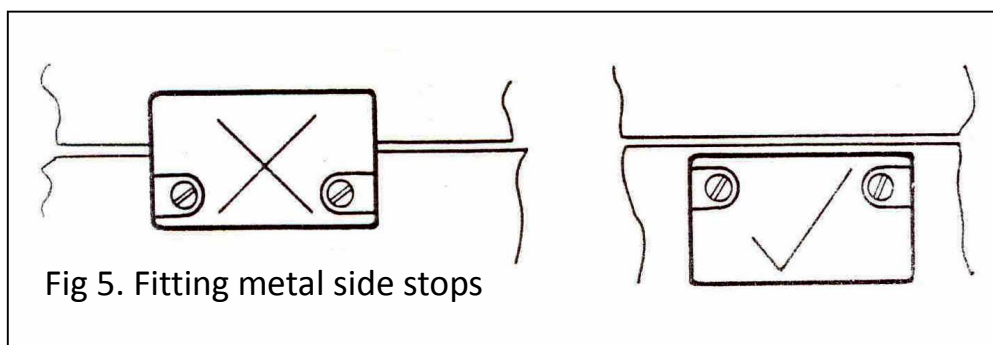


Fig 5. Fitting metal side stops

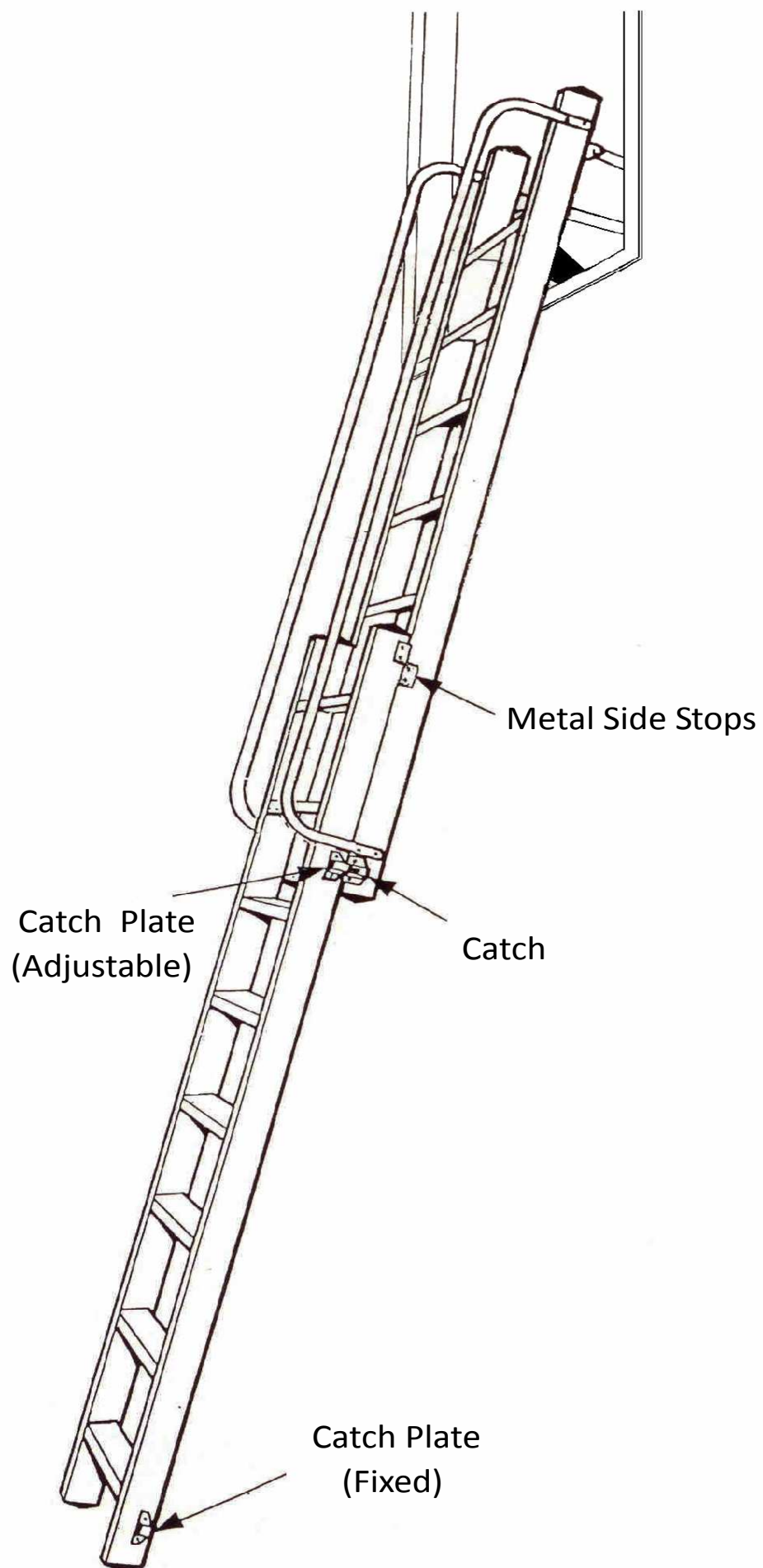


Fig 6

3. SECURING LADDER TO RUNNING BOARD

Two people are recommended from this operation onwards - one in the loft and one on the landing. Gain access to the loft safely by using a suitable ladder.

Extend the loft ladder, engage the slide catch in the upper catch plate and lean it against the Running Board making sure it is centrally positioned. Remove and retain the nuts and bolts securing the adjusting stops in the channel on the rear edge of the upper section of the of the ladder.

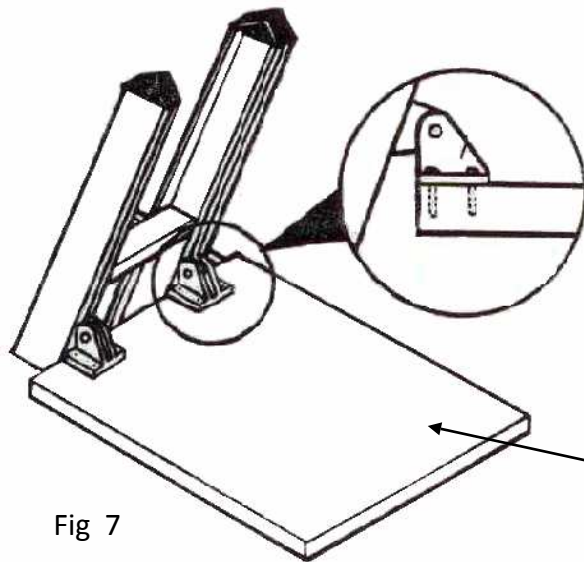


Fig 7

Slide the upper hinge brackets up the channel and position on the Running Board so they are flush with the edge. Mark the hole positions and attach the upper brackets to the board using 8 screws (H) provided.

Running Board

Ensure the ladder is resting firmly on the landing floor at the appropriate angle with treads level to the floor (The ladder can be set slightly steeper or less steep at this stage if required).

Slide the adjustable stops down the channel in the rear edge of the upper section until they are resting on top of the upper hinge brackets. Using the nearest hole positions in the stops and ladder, refit and securely tighten the nuts and bolts that were previously removed. Count the hole positions carefully to ensure the stops are fitted at the same level

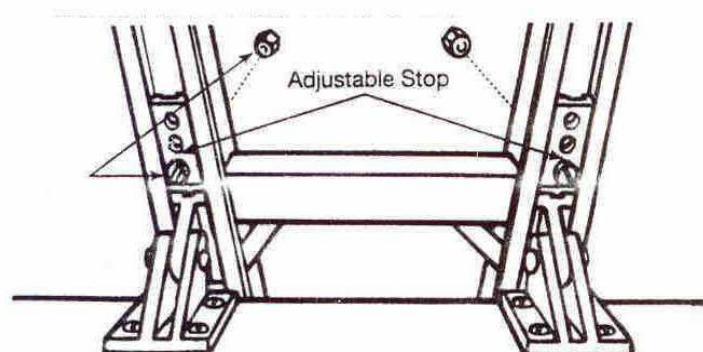
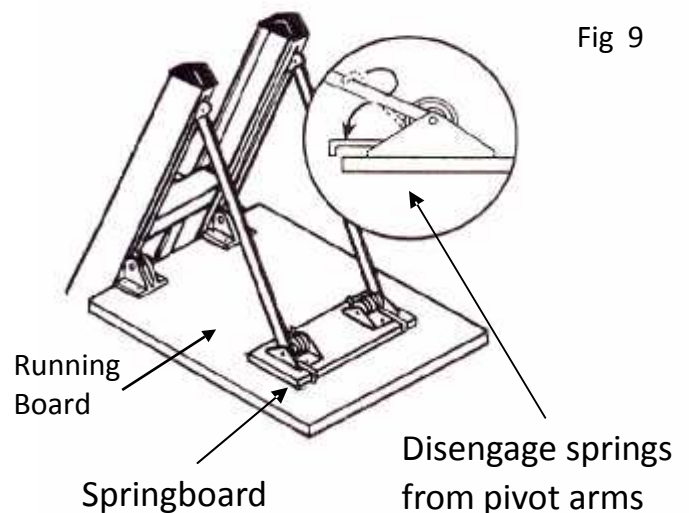
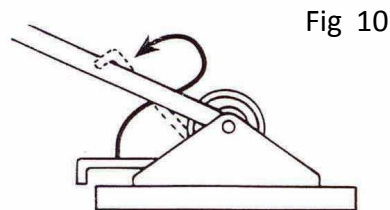


Fig 8

Disengage the springs from the pivot arms as shown in Fig (9). Lay the spring assembly on the running board, ensuring that it aligns with the centre of the ladder and parallel to the leading edge of the running board. (The guide on the running board gives only an approximate position for the spring assembly board). Fix the spring board to the running board using 6 screws (G) provided.



Re-engage the springs with the pivot arms as shown in the diagram below. This should be done with the ladder in it's stored position.



The ladder can now be safely used to complete the installation.

4. One 6x13mm Panhead screw (I) is screwed into the small hole in the sliding black section on each side. These act as stops, so should be positioned and secured to prevent the ladder from laying horizontally in the stored position, whilst still allowing the bottom of the ladder to clear the base board when pushed away.

5. Fit the handrail using the 4 support plastic brackets, nuts and bolts (F) as shown in Fig 11

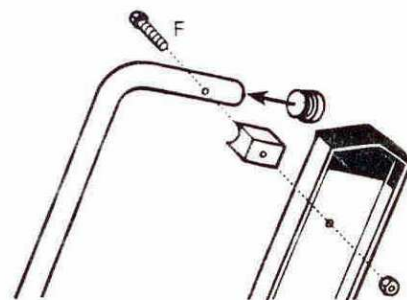
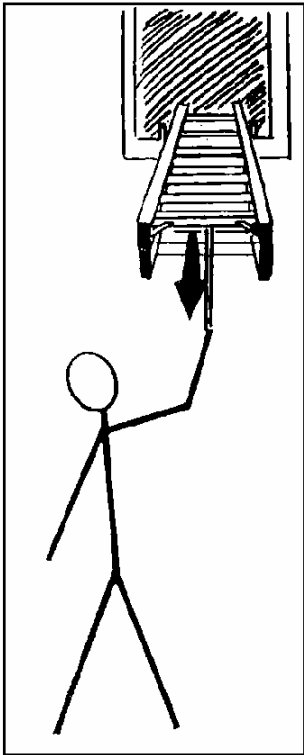
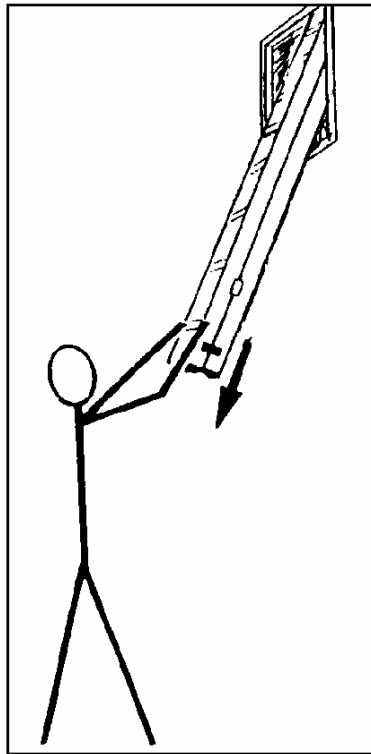


Fig 11

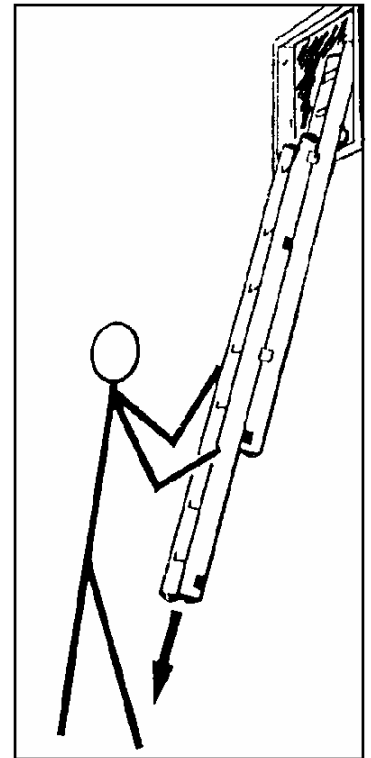
Operating Instructions



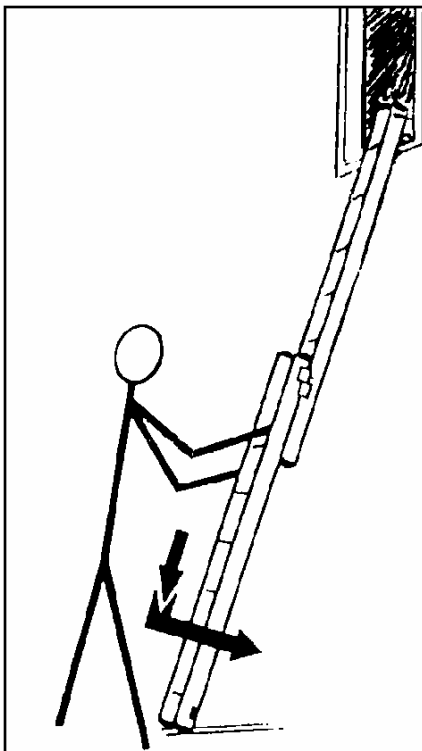
1. Pull ladder and carriage fully forward with pole



2. Pull ladder fully down with pole. Release catch and lower by hand



3. Extend to floor



4. Ensure catch is engaged in upper slot and ladder stops are abutted