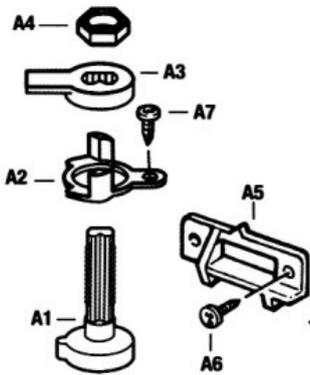
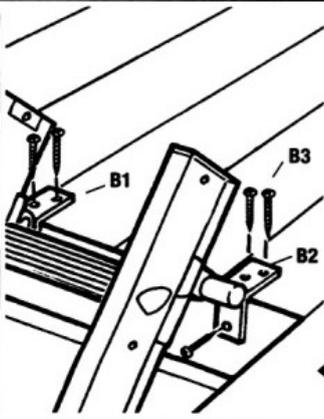


TWIST CATCH ASSEMBLY



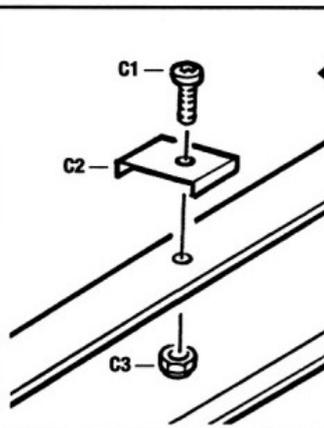
- A1 Catch Operatorx1
- A2 Travel Stop Ringx1
- A3 Catch Leverx1
- A4 Nut (M12)x1
- A5 Location Bracketx1
- A6 Screw (20mm)x2
- A7 Screw (12mm)x1

HINGE GUIDE ASSEMBLY



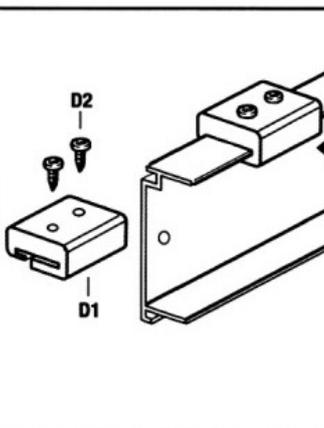
- B1 Hinge Guide (Left)x1
- B2 Hinge Guide (Right)x1
- B3 Screw (40mm)x6

ADDITIONAL TOP STOPS



- C1 Stop Bolt (M4 x 8mm)x2
- C2 Top Stopsx2
- C3 Locking Nut (M4)x2

BOTTOM STOPS ASSEMBLY



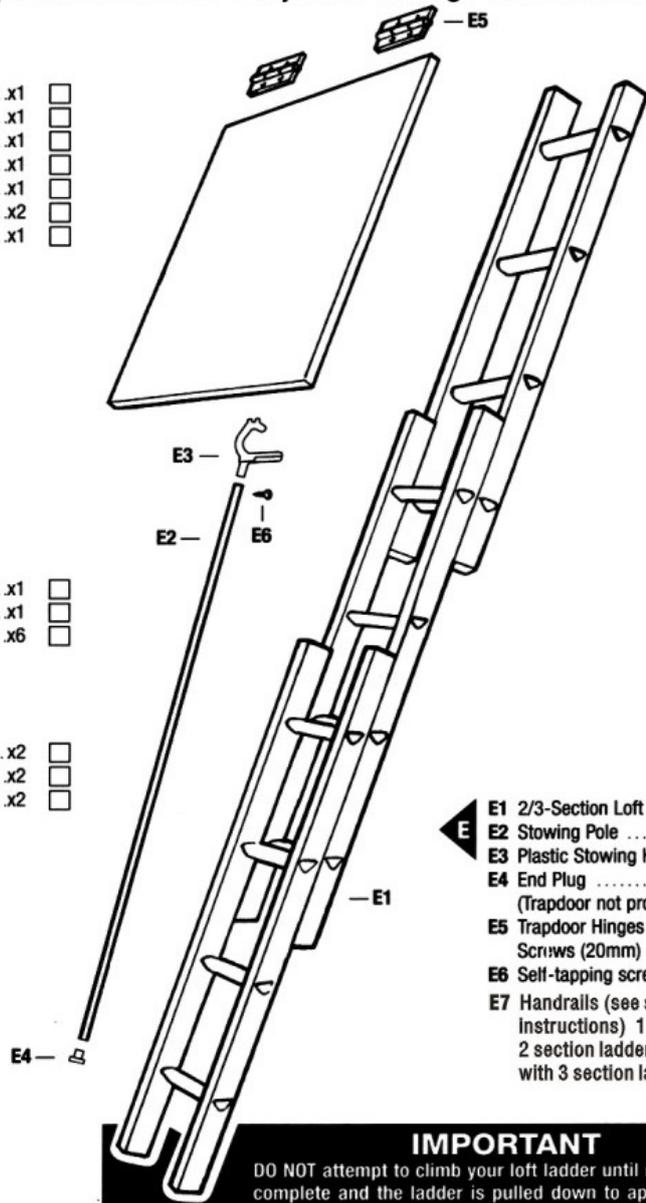
- D1 Bottom Stopx2
- D2 Screw (12mm)x4

- F1 Stowing 'V' Rodx1
- F2 Star Washerx2
- F3 Fixing Bracketx1
- F4 Screw (20mm)x4

Read Carefully Before Installation

Please check you have all components listed (tick boxes)

Note: Specifications are subject to change without notice

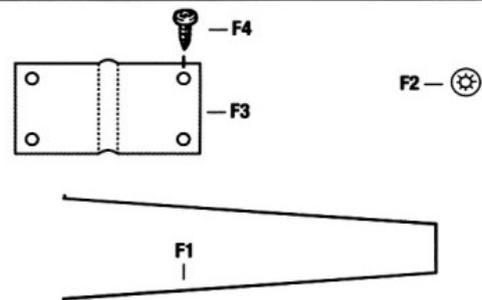


- E1 2/3-Section Loft Ladder ...x1
- E2 Stowing Polex1
- E3 Plastic Stowing Hook/Key .x1
- E4 End Plugx1
(Trapdoor not provided)
- E5 Trapdoor Hingesx2
- Screws (20mm)x12
- E6 Self-tapping screwx1
- E7 Handrails (see separate fitting instructions) 1 supplied with 2 section ladders and 2 supplied with 3 section ladders

IMPORTANT

DO NOT attempt to climb your loft ladder until installation is complete and the ladder is pulled down to appropriate top stops. Then ensure that the locking catches are engaged.

STOWING 'V' ROD



Safety Instructions

Before commencing the installation or operation of this product, read these instructions carefully and completely, noting in particular the instructions regarding safety (below).

● **This ladder should never be used as a free standing leaning ladder.**

Do not attempt to climb your loft ladder until installation is complete. Use a second ladder to gain access to the loft while carrying out the work. Ensure that this is stable.

● During installation and operation, follow all instructions step by step to ensure your safety and optimum performance of the loft ladder.

● When installation is complete, make sure that the ladder is pulled firmly down to the appropriate top stops with both feet resting securely on the floor and the locking catches properly engaged. Observe the instructions for optimum safe working angle

● Observe normal safety precautions when working in the loft space. Place weight only on the main ceiling joists. Do not drill above head height. Avoid contact with electrical wiring. Ensure someone else is on the premises and knows where you are in case of an accident.

● Do not modify any component supplied with this product or substitute any loft ladder component with anything other than genuine replacement parts.

● Ensure that the ladder is not obstructed by items stowed in the loft.

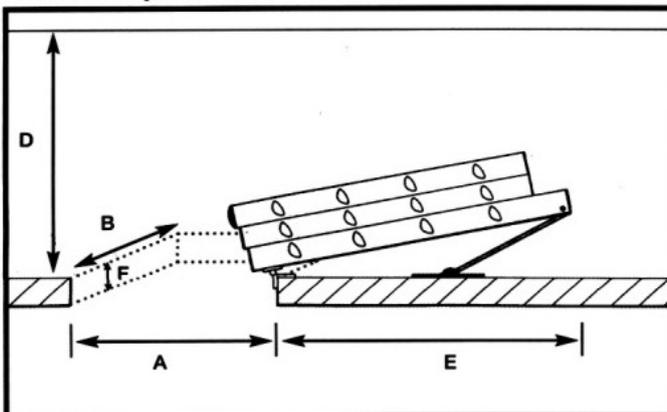
Tools required:

- Stepladder ● Bradawl ● Saw ● Drill plus 13mm & 2mm bit ● Large flat bladed screwdriver
- Crosshead Screwdriver: small and medium ● Adjustable spanner/pliers
- Lever to prise off any support battens ● Tape measure/Ruler ● Hammer

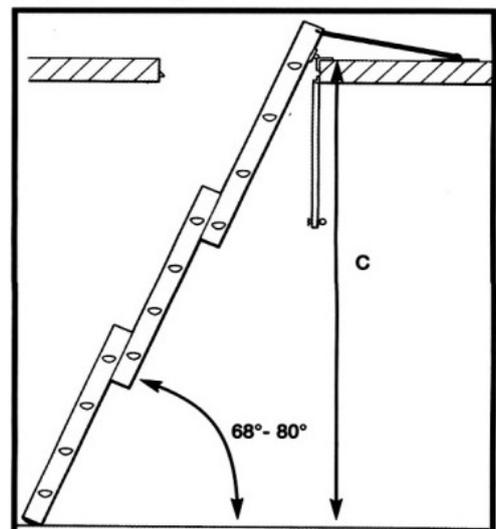
		2 Section		3 Section	
		mm	inches	mm	inches
B	Minimum Hatch Opening (Width)	381	15	381	15
C	Maximum Height	2692	106	3000	118
	Minimum Height	2133	84	2133	84
D	Minimum Stowing Height Required In Loft	710	28	710	28
E	Minimum Length Required Behind Hatch	1270	50	1120	44

F (Floor Thickness)		A (Minimum Hatch Opening Length)			
		2 Section		3 Section	
mm	Inches	mm	Inches	mm	Inches
76	3	489	19.25	400	15.75
102	4	501	19.75	412	16.25
127	5	514	20.25	425	16.75
153	6	527	20.75	438	17.25
178	7	539	21.25	450	17.75
203	8	546	21.50	463	18.25

Stowed Requirements

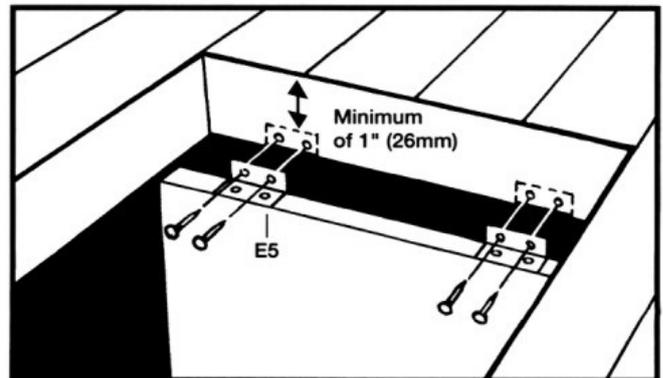
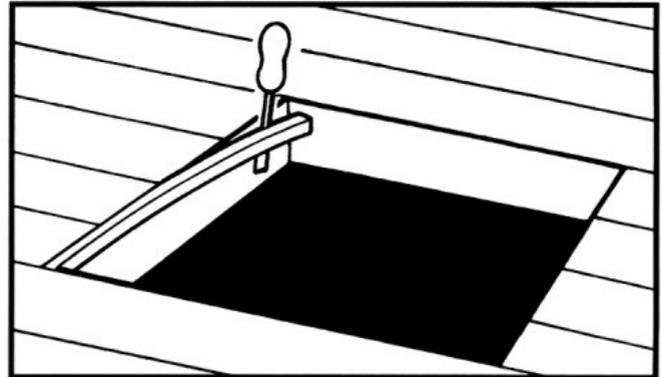


Deployed Requirements



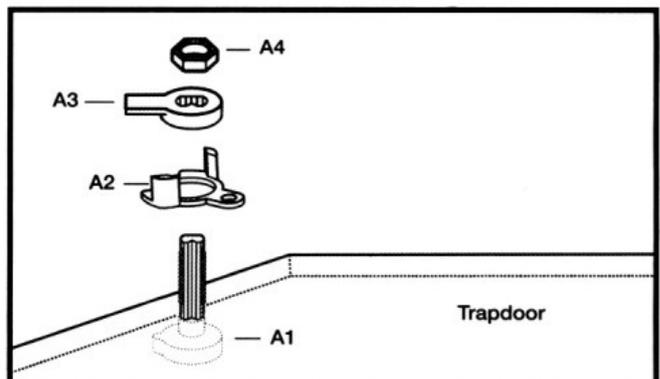
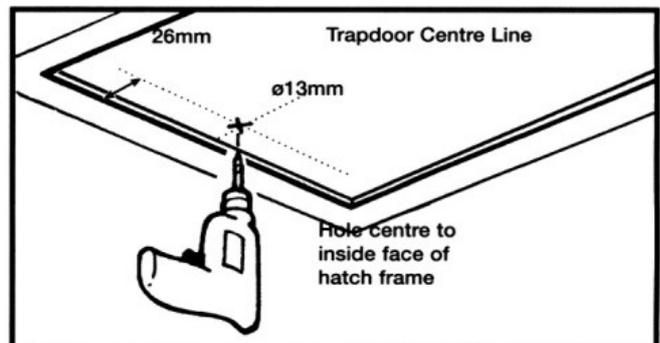
Hanging the trapdoor

- 1.1** If a new trapdoor is required, its thickness must not exceed 20mm (3/4"). Consider the weight of the trapdoor and the security of the hinge screws. Chipboard and MDF may not be suitable.
- 1.2** Use the existing cover as a template to cut out the new piece, ensuring a slightly loose fit all round (3mm (1/8") maximum). Your DIY store may be able to do this for you.
- 1.3** Remove the existing trapdoor and hinges. Prise off any support battens so that the four faces of the loft trap frame are flat.
- 1.4** Screw hinges (E5) to one edge of the trapdoor using 20mm (3/4") wood screws.
- 1.5** For extra performance fill the screw holes with wood glue.
- 1.6** Offer up the hinges to the face of the frame on the same end as you intend setting the ladder, and fix.
- 1.7** Ensure that there is at least 26mm (1") clearance between the top face of the trapdoor and the top edge of the framework.



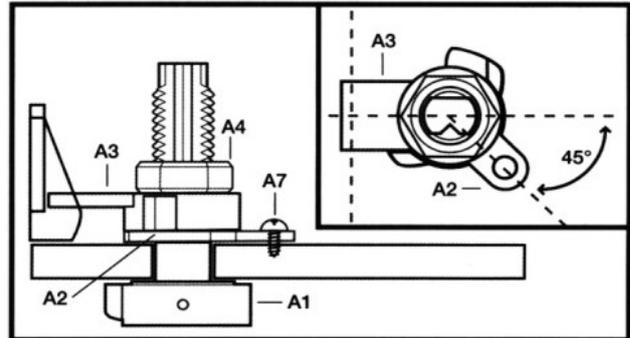
Fitting the Twist Catch

- 2.1** Find the mid-point of the trapdoor edge opposite to the hinged side. This will give you your centre line (see diagram). Mark with a pencil.
- 2.2** With the trapdoor fully closed measure exactly 26mm (1") in from the edge of the frame and mark with a pencil.
- 2.3** Drill a 13mm (1/2") hole in the centre and sand off any rough edges.
- 2.4** Pass the catch operator (A1) through the trapdoor hole from the underside such that the position pointer points towards the trapdoor edge.
- 2.5** Place the travel stop ring (A2) over the operator such that the securing tag is at 45 degrees to the trapdoor centre line.
- 2.6** Place the catch lever (A3) over the operator and locate into the operator groove such that the lever points towards the trapdoor near edge and fully locates within the travel stop ring (A2).



2.7 Secure the travel stop ring (A2) using screw (A7).

2.8 Secure the catch assembly with M12 nut (A4) ensuring the nut is tightened sufficiently to allow the catch to rotate freely without any looseness.



Fixing the Location Bracket

When turned to the correct position, the catch lever will engage in the location bracket to hold the trapdoor shut. Fix as follows:

3.1 Measure the thickness of the trapdoor, add 9mm ($\frac{3}{8}$ ") to this.

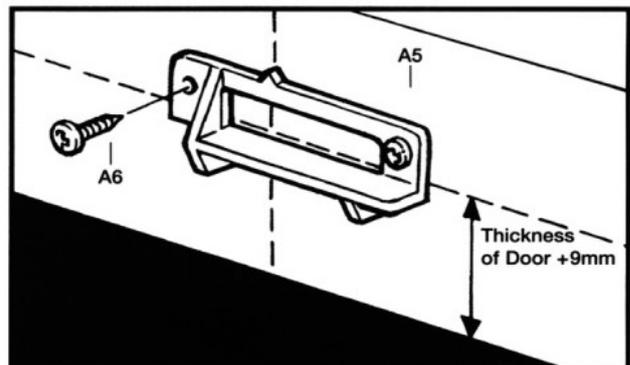
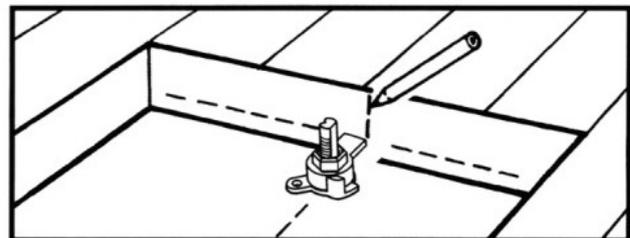
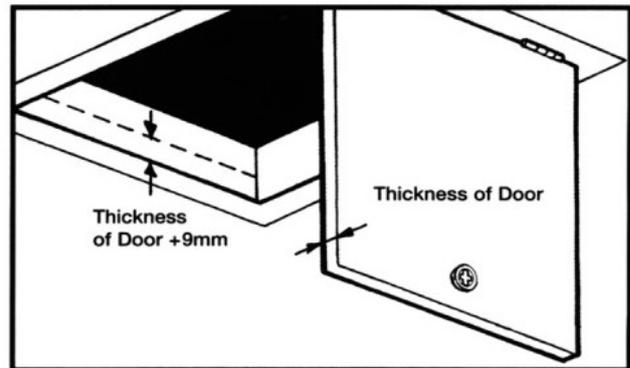
3.2 On the closing edge of the hatch opening, draw a line this distance up from the bottom edge parallel with the opening.

3.3 Mark a vertical line on the inside of the trapdoor frame corresponding with the centre line of the trapdoor catch.

3.4 Position the catch location bracket (A5) as shown in diagram, along the horizontal line.

3.5 Match up the indent mark on the bracket with the vertical centre line.

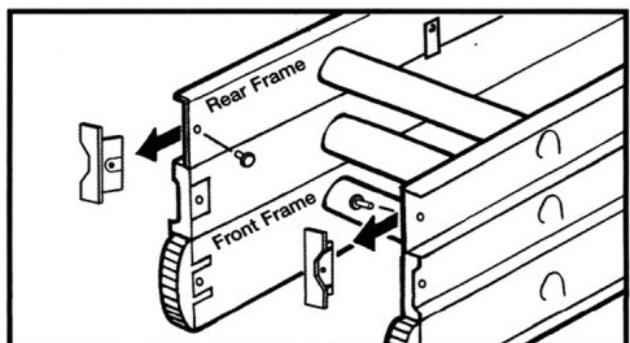
3.6 Make guide holes with the bradawl and fix, using two 20mm wood screws supplied (A6).



Assembling the Ladder and Fittings

N.B. The long sides of the ladder are known as the 'stiles'. Each complete section of the ladder is known as a 'frame'. The front frame of the ladder can be identified by its rounded feet.

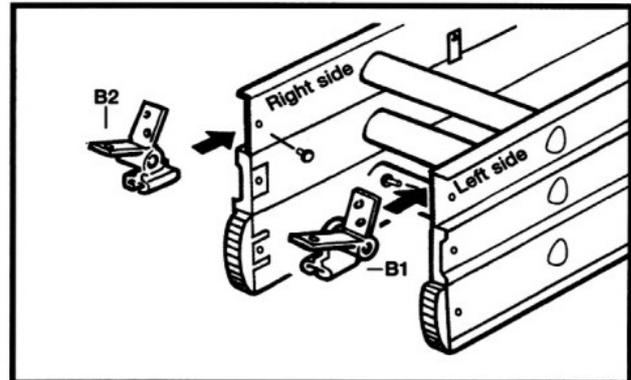
4.1 Carefully push out the studs (lightly tap with a hammer if necessary) and remove the plastic end tips from the bottom of the REAR frame of the ladder, noting which way round they go.



4.2 Slide the hinge guides (B1 & B2) onto the rear frame stiles. The brackets should be positioned outwards, with the double holed half uppermost (see diagram).

4.3 Slide all the way up to the factory-fitted permanent top stops.

4.4 Do not replace the plastic end tips at this stage (see later at step 6.5).

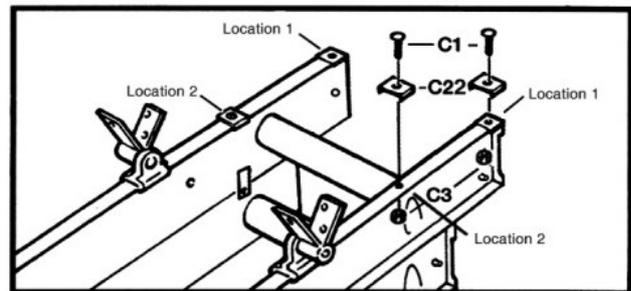


Top Stops

Fit the top stops (C2) to the top of the ladder. There are two locations (Location 1 and Location 2). Fit the top stops to the ladder depending on the floor to loft height (See Table below).

5.1

Attach the top stops to the correct positions using the bolt (C1) and nut (C3).



5.2

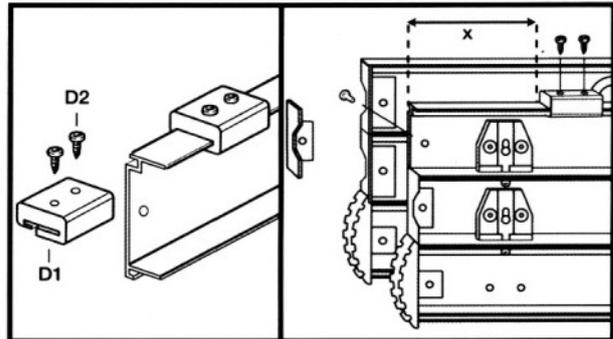
Ensure the hinge guides (B1 & B2) are already in place and below the additional top stops when fitted.

3 Section Operating Heights

Millimetres	Feet & Inches	Notes
2133 to 2286	7' 0" to 7' 6"	Location 2
2286 to 2415	7' 6" to 7' 11"	Location 1
2415 to 2565	7' 11" to 8' 5"	Location 2
2565 to 2705	8' 5" to 8' 10 1/2"	Location 1
2705 to 2845	8' 10 1/2" to 9' 4"	Location 2
2845 to 3000	9' 4" to 9' 10"	Location 1

Fit Bottom Stop

- 6.1** Both end tips should now have been removed from the rear frame at previous step 4.1.
- 6.2** Slide the bottom stops (D1) onto the rear frame stiles.
- 6.3** Position the bottom stops (see table and diagram).
- 6.4** Fix with screws (D2).
- 6.5** Replace the plastic end tips removed previously and secure with studs.

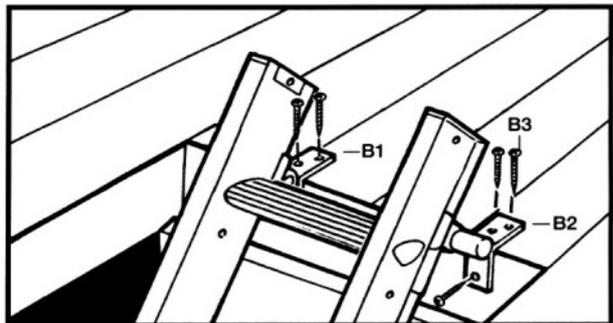


2 Section Ladder	3 Section Ladder
x = 310mm	x = 50mm

Installing the Ladder

N.B. The ladder should be installed on the same side of the trap as the trapdoor hinges.

- 7.1** With the ladder preferably centred in the opening, and the trapdoor hanging down, locate the hinge guide bracket arms (B1 & B2) on the top edge of the loft hatch frame (see diagram).
- 7.2** Make guide holes with the bradawl then pre drill pilot holes (2mm diameter) for all screws.
- 7.3** Fix using 40mm screws (B3).



WARNING:
Do Not stand on the ladder to do this. Either using a second ladder, or from inside the loft space, secure the hinges using six 40mm screws supplied.

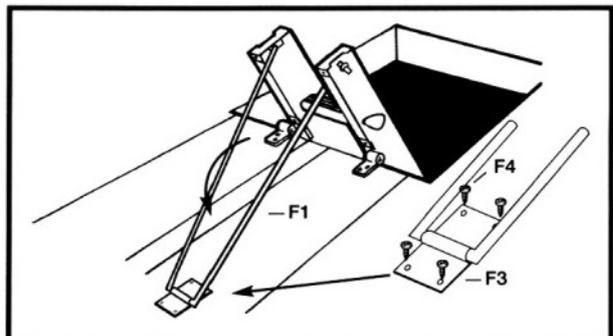
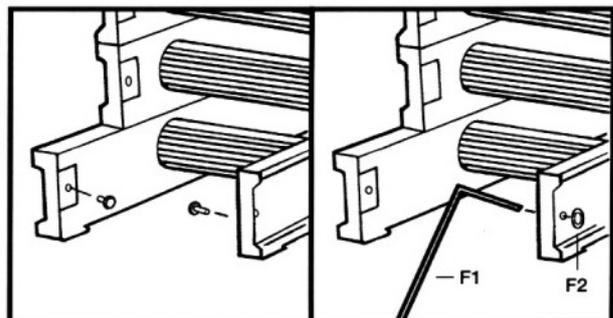
N.B. the bracket arms with two screw holes should be on top.

If flooring material covers the top edge of the loft hatch frame ensure that it is completely stable and if necessary use longer screws to penetrate the frame itself.

The ladder should now be free to swing from the hinges and slide freely up and down the guides.

Fitting Stowing 'V' Rod

- 8.1** See instructions on page 6 to fully deploy Ladder.
- 8.2** Remove the studs from the top tips of the rear frame of the ladder.
- 8.3** Engage ends of 'V' rod (F1) through the vacated holes in the tips/stiles.
- 8.4** Lower 'V' rod to the loft floor, in line with the centre of the ladder.
- 8.5** Locate fixing bracket (F3) over the stowing 'V' rod and screw to the floor with 4 screws (F4).
- 8.6** Push the star washers (F2) onto the ends of the stowing 'V' rod to secure.

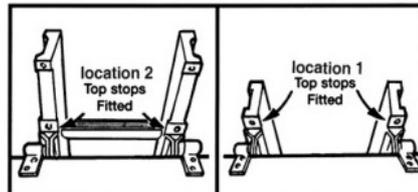
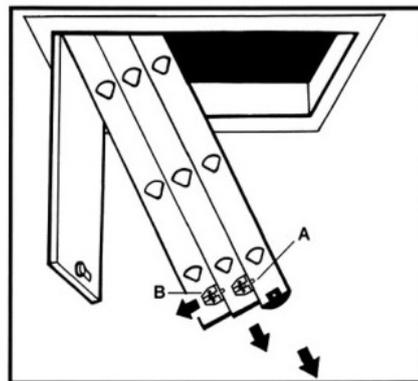
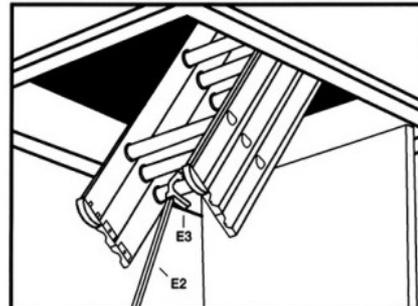
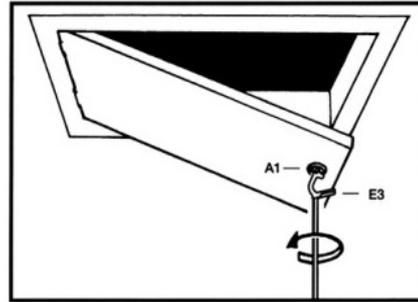


Operating the Ladder

- 9.1** Insert the plastic stowing hook/key (E3) into one end of the stowing pole (E2) push firmly, to ensure the plastic stowing hook/key (E3) is fully inserted within the pole and secure with screw (E6). Push the plastic end plug (E4) into the opposite end of the stowing pole (E2).
- 9.2** To open the trapdoor locate the key (E3) into the slot in the catch operator (A1) and turn the catch anti-clockwise until it reaches the travel stop and then lower the trapdoor.
- 9.3** Attach the stowing hook/key (E3) to the centre of the bottom rung and steadily pull the ladder outward and downward until both top stops reach and make contact with the hinge guides.
- 9.4** To extend the ladder, retract the locking safety catches "A" (one on each side of the ladder) while supporting the front frame of the ladder.
- 9.5** Lower the frame slowly until the locking safety catches engage again.
- 9.6** Then retract the locking safety catches "B" (one each side of the ladder) and slide the middle frame downwards until the catches engage in your chosen position. Extend the ladder until the feet rest firmly on the floor. Do not use the ladder with the safety catches disengaged. Read the safety labels on the product.
- 9.7** Ensure the ladder is pulled down so that the top stops rest firmly on the hinge guides. This supports the top section and prevents it sliding down when climbed.
- 9.8** Check the ladder angle against the safety label or refer back to deployed requirements on page 1.

Stowing the Ladder

- 10.1** To stow the ladder, retract safety catch 'A', slide the front frame upwards until the safety catch engages again.
- 10.2** Repeat this procedure for safety catch 'B' and the middle ladder frame.
- 10.3** Attach the plastic stowing hook/key (E3) to the centre of the REAR ladder section bottom rung and whilst maintaining the stowing pole near vertical push the ladder vertically upwards.



WARNING

Please ensure all locking safety catches are fully engaged before climbing ladder

YES

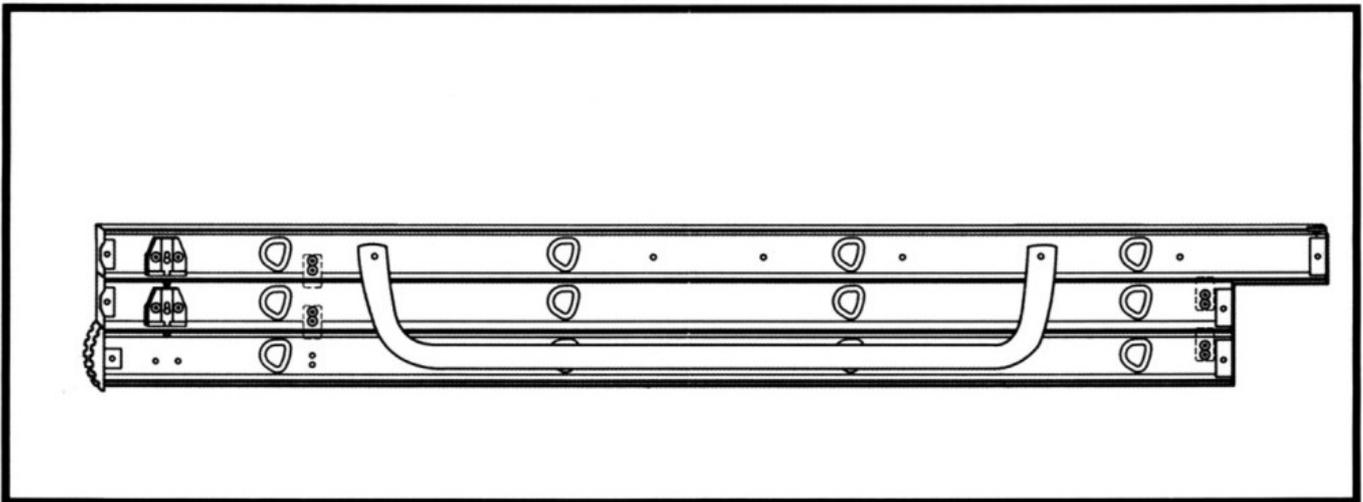
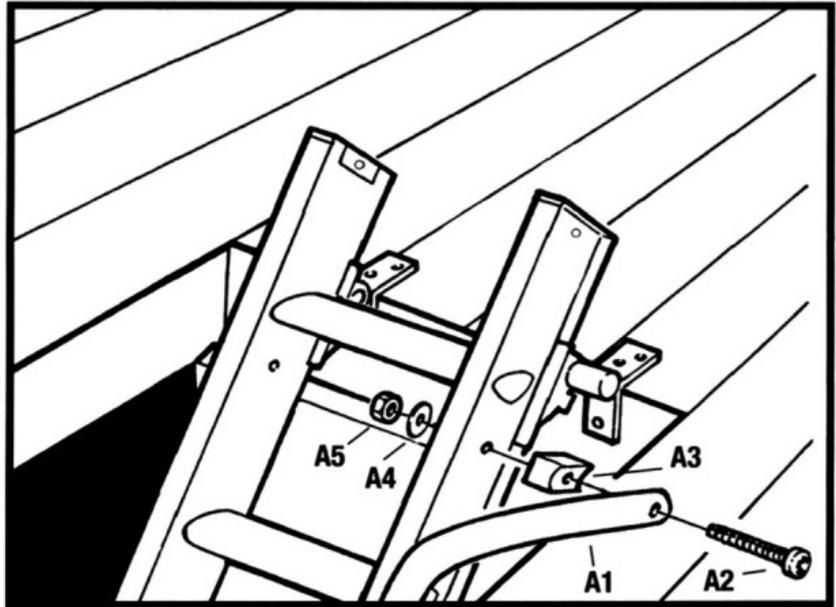
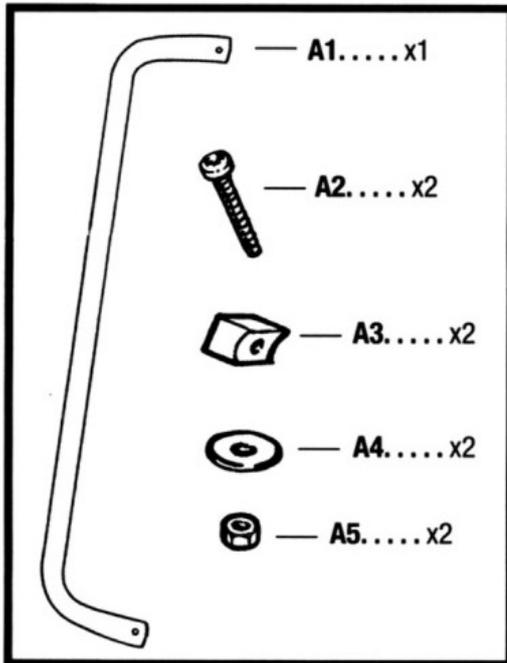


NO



WARNING:

DO NOT attempt to climb your loft ladder until you have:
Checked that it is pulled down to the stops.
Fully read all safety labels and ensured that it is set at the correct angle.
Ensure that the locking catches are fully engaged.



LOFT LADDER *Handrail Installation Instructions*

2 Section Sliding Loft Ladders – the handrail (A1) can be fitted to either side of the rear frame of the ladder. 3 Section Sliding Loft Ladder- the handrails (A1) can be fitted to both sides of the rear frame of the ladder.