

COMMERCIAL RANGE LOFT LADDERS
INSTALLATION INSTRUCTIONS

MODEL - FS3

1. Preparation of Ladder

- 1.1 Remove the hatch retaining clip, and fasten the lock using the four M5x30 screws.
- 1.2 Tighten the four M8x130 threaded bars (C) completely into their captivated nuts on the frame.
- 1.3 Insert the two top exit grab rails (D), as shown in Fig. (1).
- 1.4 Fasten using the M6x20 and M5x30 screws.

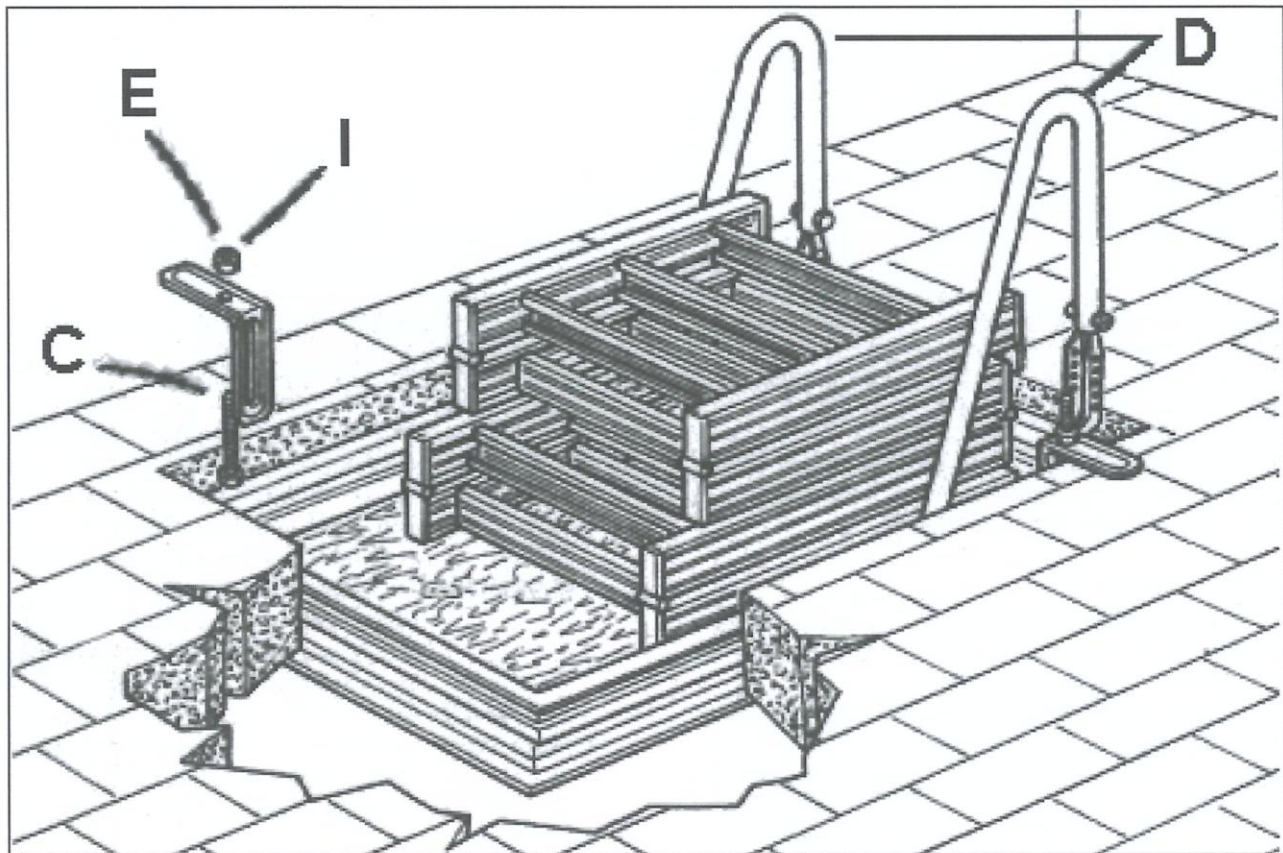


Fig. (1)

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2. Installation of Ladder

- 2.1 Insert the ladder and frame assembly into the prepared opening from underneath.
- 2.2 Attach it to the top floor using the 4 brackets (E) supplied, and corresponding nuts (I), as shown in Fig. (1). When fixing, ensure that the hatch and frame are square and level.
- 2.3 If the frame is to be cemented in, it will be necessary to place one or two cross pieces inside the frame to prevent the sides from deforming before the cement dries completely.
- 2.4 For ladders with suspended ceilings and deep wells, or with roof exit hatches, separate installation instructions are available.

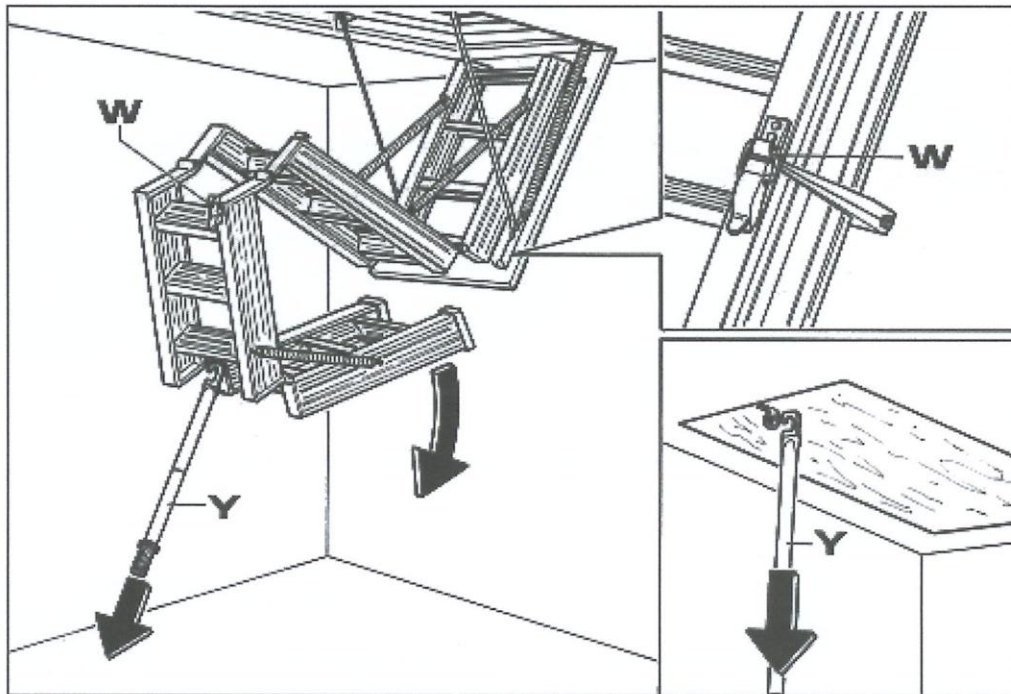


Fig. (2)

3. Ladder Operation

- 3.1 Open the hatch door using the pole supplied (Y).
- 3.2 To lower ladder, use hook end of pole to pull on loop at position shown in Fig. (2).
- 3.3 Manually fold out bottom section of ladder (FS4 only). When ladder is fully extended, engage the safety catch (W).
- 3.4 To store the ladder, disengage the safety catch, and fold ladder up onto the hatch, with the help of the pole. Using the pole, close the hatch.

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4. Ladder Adjustment

4.1 The pitch of the ladder can be adjusted by turning the nuts at the end of the two tie rods (Z), as shown in Fig. (3). This will change the height and the going of the ladder.

4.2 A further height adjustment can be achieved by sliding the ladder along the securing brackets, then tightening the four nuts (T) which attach the ladder to the hatch.

N.B. These adjustments are not possible for ladders with a hatch size of 1000mm x 700mm or less. In this case, the height can be reduced by trimming the bottom section of the ladder. For a height reduction of 100mm, 110mm must be trimmed from the ladder section.

This can also be carried out on units with hatch sizes greater than 1000mm x 700mm, where the required height adjustment cannot be achieved by the standard adjustments only.

The four handrails (K) are fitted as shown in the figure. Make sure that you place spacers (U) and (V) of different sizes in the correct position as shown.

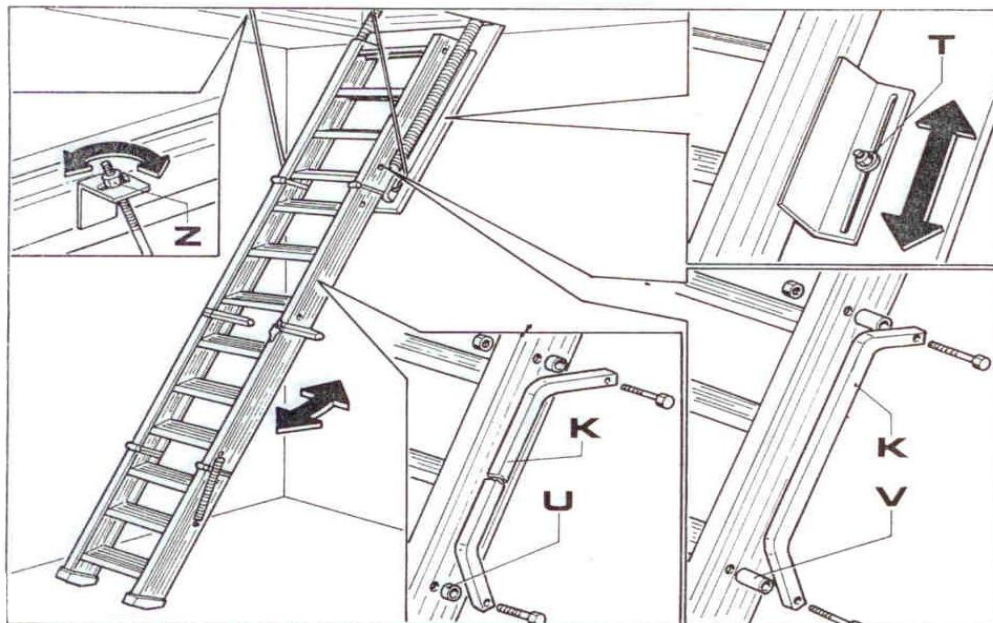


Fig. (3)

5. Ladder Use & Maintenance

5.1 The Ladder should not be used for any purpose other than that for which it is intended, and is designed for use by only one person at a time.

5.2 To clean the ladder, do not use any abrasive products, or products containing acids.

5.3 All nuts and screws should be tightened two months after installation.

5.4 Maintenance should be carried out at least once a year, or more frequently if used regularly, and consists of applying light oil to all moving parts.