

Parts are included in this section for two ladders, as used on both the single and twin-seat versions. One is a clip-on ladder [fitted by hanging over the cockpit sill with buffers holding it away from the fuselage], whilst the other is a free-standing version. This ladder is also useful for such types as MiG 23, 25 & 31, plus SU.25.

#### Assembly - Clip-on Ladder

Fold the side-members of part 1 to 90 degrees - the lugs on the LH side of the two top ladder rungs locate into the slots on the LH sideframe section of part 1.

Fold over the step sections on each ladder rung so as to be in the horizontal plane when the ladder is in position on the aircraft. These areas are 'hinged' to make folding and final adjustment easy.

Fit parts 2 & 3 respectively to the LH & RH outer faces of part 1.

Laminate the bottom bar from 2 x parts 4 back-to-back and fit within the forks at the bottom of the ladder sides.

Fold up parts 5 and fit one to the lug on each side of parts 4. Then add 3 x parts 6 [48th scale] or 2 x parts 6 [72nd scale] within each part 5. Note that some ladders only have these boot brush units on one side of the ladder - and that they can be on either the LH or RH side. Check your references

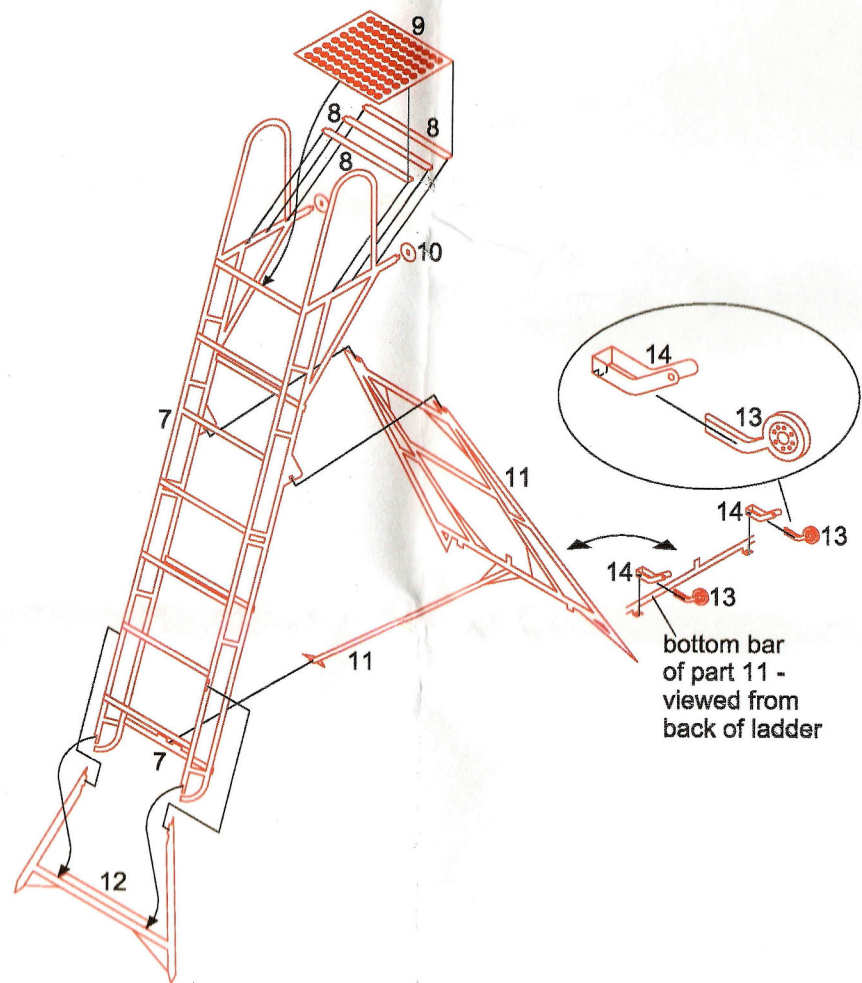
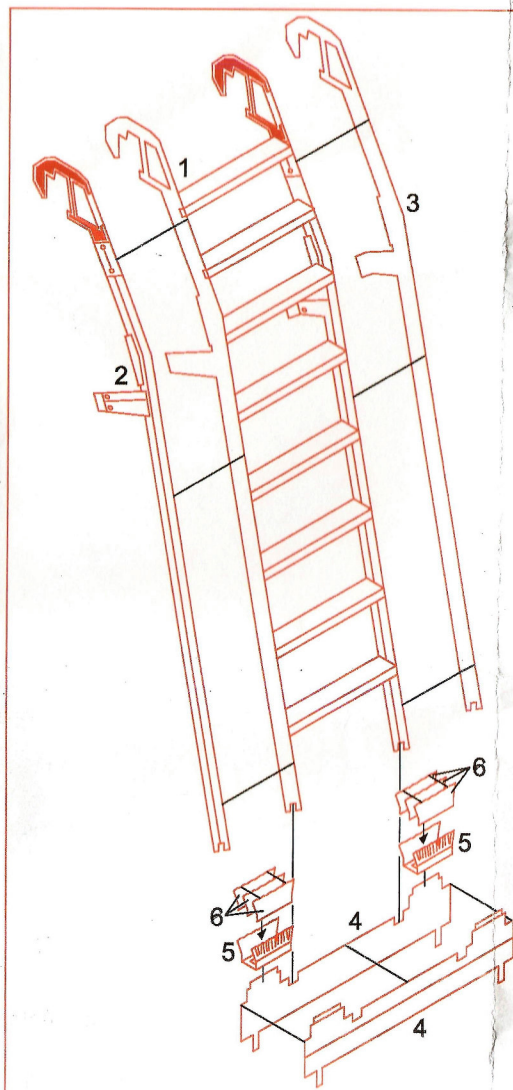
#### Assembly - Free-standing Ladder

Fold the main ladder side-frames on part 7 to 90 degrees.

Fold the three rear cross-struts back across the ladder to locate into the matching rebates on the LH side of part 7.

Fit the three upper platform support struts into the rebates provided on the inner faces of part 7, where indicated and fit the top platform [9] to these - the rear face of part 9 aligning with the rear edge of the rear part 8 and with the front edge of part 9 against the top rung on part 7, where indicated. Add the two buffers [10] to the lugs on part 7 where shown, at the back of the top platform side supports.

Fit part 12 to the bottom of part 7 as shown - locating the two upper tabs on part 12 in the



recesses in the sides of part 7, just below the second ladder rung on this part. The notches at the bottom-front on each of the ladder sides on part 7 fit over and behind the top of main horizontal bar on part 12 - either side of the half-etched folded-back step section. The rear side curved sections on part 7 contact with the rear face of part 12, just below this. Form part 11 as shown - the correct angle for

the folding of the central bottom bar on this part will be obvious once it fits correctly into the rebate provided on the bottom rung of part 7 - and the upper notches on the top of each side of part 11 fit into the matching locations at the rear of each side section on part 7. Fold the two wheel units back-to-back through 180 degrees. Fold up 2 x parts 14 and fit the wheel units within each of these, as shown.

The lugs on parts 14 then fit into the matching slots on the two tabs on the bottom horizontal edges of the lower cross-bar of part 11 - these tabs being folded backwards with the fold line on the **OUTSIDE** of the fold. Colouring - these ladders are usually painted bright red or orange, with dark rubber tyres, buffer pads and sill hooks.