

Coaling Tower - ASSEMBLY INSTRUCTIONS

Contents. The kit comprises of die-cut SHEETS 1-5, the illustrated header card, five ACCESSORIES CARDS A-D, an acrylic glazing sheet, railing components and this ASSEMBLY INSTRUCTIONS sheet.

Tools. A sharp modelling knife and a steel rule are essential. Bulldog clips, a few rubber bands and 'Sellotape' might be useful to secure parts of the kit while glue is drying.

Glues. Most liquid glues are suitable. PVA glue is recommended, it becomes matte and almost transparent when dry, although in cold conditions the glue tends to dry white. A solvent glue like 'Evostick' or 'UHU' is also recommended as it is quick to dry but can present problems when touching up model with water based paint. For gluing areas of paper, such as lining pieces, it is recommended that PVA be thinned or that a spray or a

spreadable solvent glue is used.

Card-mounted components. Separate the parts only when called for by nicking with the knife at uncut points.

Scoring. Red arrows signal a fold back. Blue arrows signal a fold forward. Where the cutter lines are marked with arrows they are scored (i.e. only partly cut through). Here the component is intended to be bent or folded. Sometimes additional scoring with the knife may be necessary, so that the board bends at the fold line without too much resistance. If the fold line is cut through, a repair can be made by gluing a thin paper strip to the back. When folding a piece forward on a perforated cut it is important to score lightly along the perforation on the reverse of the card.

Waste. Waste card is kept to a minimum and is indicated by the symbol **W**.

Windows. The Glazing Sheet has 26 window pieces divided by dotted lines. There are two methods of glazing, which can be combined for a really durable result:

(1) Lay down the window piece face up. Apply glue to the back of the wall around the window aperture and the lower the wall onto the window piece. This method is easier for small windows and permits adjustment - correct the alignment before the glue sets and wipe excess glue from the window surface with a damp paintbrush or tissue.

(2) Apply narrow strips of 'Sellotape' along two sides of the unprinted back of the window piece. Lay the window piece down as before and lower the wall onto the partly exposed 'Sellotape'.

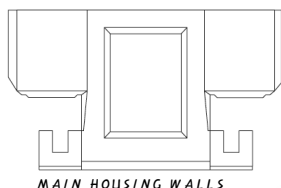
When the window is attached to the wall, rub down the tape and apply further strips to the remaining two sides of the window piece.

Finishing. The appearance of the completed model will be greatly improved if all exposed edges are touched up with paint. It is important that there is no glue on exposed edges.

Options. This kit, when completed, will provide you with the main tower assembly and two out-houses on a layout of textured sheet to line the edges of a pair of railway tracks. This provides a complete assembly for the site of a depot coaling plant. This plant would have normally been found adjacent to an ash plant assembly for instance SUPERQUICK's A13 ASH PLANT, located in or around a mainline railway depot.

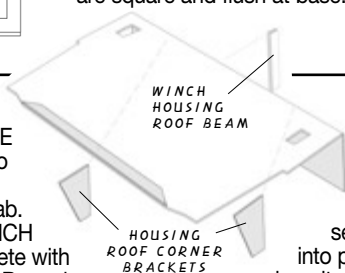
SECTION 1 - CONSTRUCTION OF MAIN HOUSING

- 1** Separate the five SHEETS along folds. From SHEET 2 take the MAIN HOUSING WALLS piece complete with 11 white and 2 textured TABs as illustrated. Remove the CORNER BRACKETS and STAIR HOUSING FLOOR pieces (see illustration).



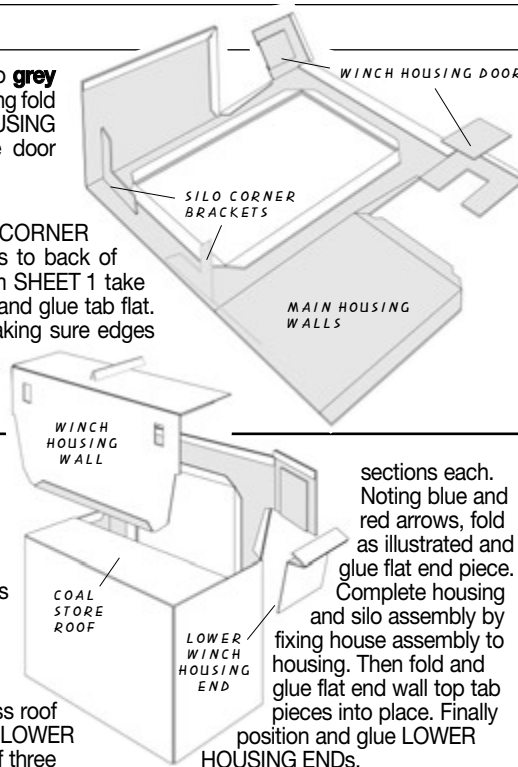
MAIN HOUSING WALLS

- 2** From SHEET 4 take the two pink SILO CORNER BRACKETS fold side walls and glue brackets to back of folded tab and into position as illustrated. From SHEET 1 take the fourth silo wall complete with bottom TAB, fold and glue tab flat. Glue into position to MAIN HOUSING assembly making sure edges are square and flush at base.


 WINCH HOUSING ROOF BEAM
HOUSING ROOF CORNER BRACKETS

GLAZING PIECES NOT ILLUSTRATED

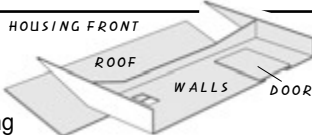
- 4** take two HOUSING ROOF CORNER BRACKETS, fold roof section and glue brackets into position bracing evenly along its length. From SHEET 5 take two piece WINCH HOUSING ROOF BEAM. Fold and glue flat and position squarely and centrally across roof of housing. From SHEET 5 take two LOWER WINCH HOUSING ENDS made up of three



sections each. Noting blue and red arrows, fold as illustrated and glue flat end piece. Complete housing and silo assembly by fixing house assembly to housing. Then fold and glue flat end wall top tab pieces into place. Finally position and glue LOWER HOUSING ENDS.

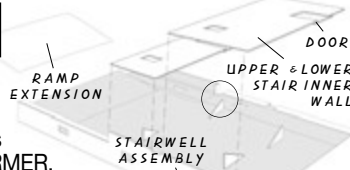
- 3** From SHEET 5 take COAL STORE ROOF and glue into position centrally above forward folded bottom tab. From SHEET 5 take WINCH HOUSING ROOF complete with front WALL, four side TABs and one bottom TAB. From GLAZING SHEET cut out window piece 1 and glaze aperture (see special instructions on glazing above). Noting BLUE arrows, fold bottom TAB forward, side TABs back, and glue all flat. From SHEET 4

- 5** From SHEET 5 take HOUSING FRONT WALL component, of three walls and a former TAB. After removing waste piece, glaze window aperture with window piece 1 from GLAZING SHEET. From SHEET 5 take green DOOR piece and line door aperture. From SHEET 5 HOUSING FRONT ROOF, position roof piece centrally and squarely into the groove along the top of the front wall and fix squarely to side walls.

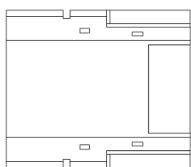


GLAZING PIECES NOT ILLUSTRATED

- 6** Position and glue FRONT WALL assembly to front of main housing assembly as illustrated. Take RAILING components, trim lengths to fit into holes on top of COAL STORE ROOF as illustrated. From SHEET 3 take COAL HOUSING BASE complete with five surrounding edge TABs. Remove UPPER STAIR INNER WALL component and fold edge pieces back and glue flat. With the open side of the assembly facing the notched edge of the base, glue main assembly centrally and squarely over tab side of the base as illustrated.


 RAMP EXTENSION
STAIRWELL ASSEMBLY
UPPER & LOWER STAIR INNER WALL

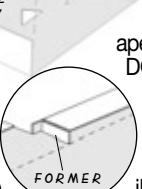
- 7** From SHEET 1 take the STAIRWELL ASSEMBLY complete with four side TABs, RAMP SIDES LEFT & RIGHT and each with a FORMER.



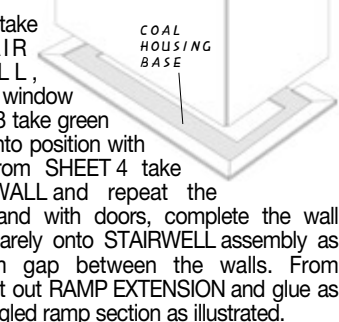
STAIRWELL ASSEMBLY

Remove waste pieces from between tabs and window apertures and glaze apertures with window pieces 2 & 3. Fold and glue bottom four TABs flat. Fold FORMERS, then fold and glue RAMP SIDES around FORMERS creating a box either side. Left from SHEET 2 take four brown CORNER BRACKETS (2 pairs), fold walls and glue into position as illustrated.

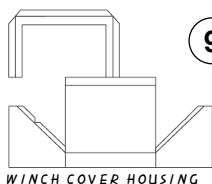
- 8** From SHEET 3 take UPPER STAIR INNER WALL, remove waste and glaze window aperture. Also from SHEET 3 take green DOOR and glue squarely into position with bottom edges flush. From SHEET 4 take LOWER STAIR INNER WALL and repeat the process, once glazed and with doors, complete the wall assembly by gluing squarely onto STAIRWELL assembly as illustrated, leaving 5mm gap between the walls. From ACCESSORIES SHEET D cut out RAMP EXTENSION and glue as a continuation piece to rear of angled ramp section as illustrated.



FORMER

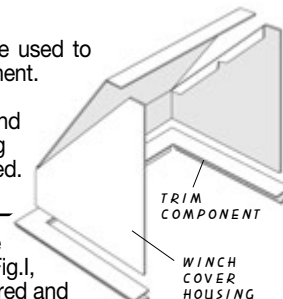


COAL HOUSING BASE



- 9 From SHEET 4 take WINCH COVER HOUSING consisting of five wall sections and four TABS. Fold and glue tabs flat, then fold and glue wall sections as illustrated. Also from SHEET 4 take 'U' shaped rim component complete with folding TAB pieces as illustrated, then fold and glue tab

pieces flat. This trim piece will be used to edge the WINCH COVER component. Glue WINCH COVER assembly centrally, with open edges flush and three sides of the trim surrounding the assembly squarely as illustrated.



- 10 From SHEET 3 take four-piece FUNNEL MAINTENANCE PLATFORM including edge TAB. Remove inner waste pieces including five FUNNEL FORMERS but leave in place two pairs of folding pieces. From the edges of the end pieces (as opposed to the long side pieces) trim off black areas with a sharp knife, leaving two narrow grooves either side. Fold and glue outer edge TAB flat. Folding inner pieces in and along length as illustrated, glue piece together squarely, remembering to apply glue to inner and outer edges. From SHEET 4 take two MAINTENANCE PLATFORM ENDS, close up PLATFORM by gluing squarely to ends as illustrated.

FUNNEL / MAINTENANCE PLATFORM

PLATFORM END

- 11 As illustrated on the ACCESSORIES CARD A Fig.I, cut out and then fold according to the red and blue arrows FUNNEL CASING STAGE 1 from ACCESSORIES CARD A. From SHEET 3 take FUNNEL CASING RIM in four parts, with FUNNEL square on a surface, fold and glue to exposed edge TABS. From ACCESSORY CARD B cut out FUNNEL CASING STAGE 2. Remaining from SHEET 3 take FUNNEL FORMER (UPPER) and eight FUNNEL FORMER (LOWER)s glue squarely together into two stacks of four. Fold and glue FUNNEL CASING around three formers as illustrated in Fig.II. From ACCESSORIES CARD B cut out STAGE 2 FUNNEL UNDERSIDE glue to folded tabs squarely, finish off funnel with FUNNEL EDGING cut from CARD B to line lower (fig.III). Glue LOWER FUNNEL into position under UPPER FUNNEL (fig.IV).

LOWER FUNNEL

UPPER FUNNEL FORMER

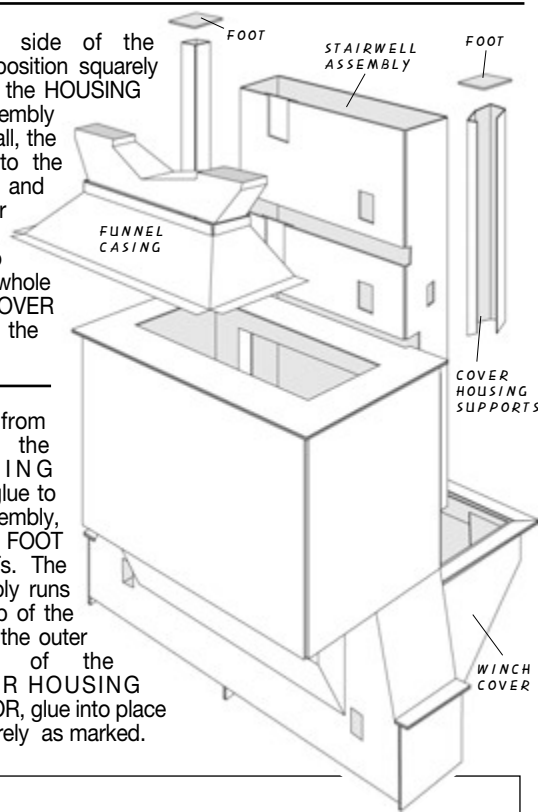
LOWER FORMERS

- 12 Finishing touches are made to the tower assembly by adding the RAILING components. Cut the railing to size around the edge of the maintenance platform and of the top walkway area.

Starting with the longest edge of the maintenance platform, mark the points along the edge where the feet of the RAILING must go. Drill or pierce holes in the card at those points. Cut to length remaining RAILING and duplicate this round the exposed edges of the platform. Glue and fix RAILING into position.

- 13 From SHEETS 3&4 take four COAL HOUSING SUPPORTS made up of four sides and a TAB. Glue TAB flat, fold and glue into squarely columns as illustrated. Cap ends off with a FOOT each, from SHEET 4. This is the stage where the assembled pieces are attached to the MAIN HOUSING. First into position is the FUNNEL assembly squarely with the TAB towards the exposed rear. Next position the STAIRWELL centrally to the exposed rear of the MAIN HOUSING.

- 14 Two column supports either side of the STAIRWELL can be glued into position squarely over markings on the underside of the HOUSING BASE. Before fitting the PLATFORM assembly centrally into the horizontal slot in the wall, the railing components should be glued to the platform as illustrated. Trim railing to fit and glue into holes in top side. After PLATFORM is fitted into place the two remaining SUPPORTS glued into place to support PLATFORM. Lastly with the whole assembly on its feet, the WINCH COVER assembly can be glued centrally atop the STAIRWELL as illustrated.



- 15 The final stage in the construction of the main assembly is the WINCH TRACK, from SHEET 1 & 5, take two pairs of WINCH TRACK divide into four parts and lay the broader strips flat on surface, face up and parallel with each other. Remaining from SHEET 2 take two lots of four WINCH BRACES, divide into eight pieces and glue back to back into four pairs (noting the one flat sided pair). Glue the pairs evenly and squarely along the tracks as illustrated with the flat sided BRACE at the very bottom and one positioned at the top edge. Glue thin TRACK over the tops of the BRACE ends and flush with the outer edges.

- 16 Remaining from SHEET 2 take the STAIR HOUSING FLOOR in two pieces, glue to base of STAIRWELL assembly, squarely between each FOOT of the SUPPORTS. The TRACK assembly runs from the top of the ramp to the outer edge of the STAIR HOUSING FLOOR, glue into place squarely as marked.

SECTION 2 - ASSEMBLY OF LINE SIDE

- 17 To compliment the COAL TOWER model, two lineside huts have been provided to complete the layout. From SHEET 5 take the LINESIDE HUT WALLS including end TAB, remove the waste pieces, glaze window and line doorway with yellow DOOR also from SHEET 5. From SHEET 4 take HUT FLOOR, glue walls squarely and secure centrally to floor piece. From SHEET 4 take HUT ROOF and secure centrally onto hut walls. From ACCESSORIES CARD D cut and fold HUT CHIMNEY STACK, glue into groove on roof and squarely to hut wall. Cap chimney with CHIMNEY TOP. From ACCESSORIES CARD D, cut and roll into tight tube the CHIMNEY POT, glue onto top on chimney stack.

STAIR HOUSING FLOOR

WINCH TRACK

LINESIDE HUT

- 18 Similarly with the CONTROL ROOM HUT, from SHEET 1 take walls, from SHEET 4 take CONTROL ROOM FLOOR and from SHEET 5, the CONTROL ROOM ROOF. The model is finished off with lining sheets from ACCESSORIES CARDS B, C & D. lay out as illustrated and with the narrowest strips lining the inside of any rail track components that may be used to make the COAL DEPOT a realistic and authentic lineside model (fig.V).

CHIMNEY POT

CHIMNEY TOP

ROOF

DOOR

HUT FLOOR

LINESIDE HUT

LINING PIECES