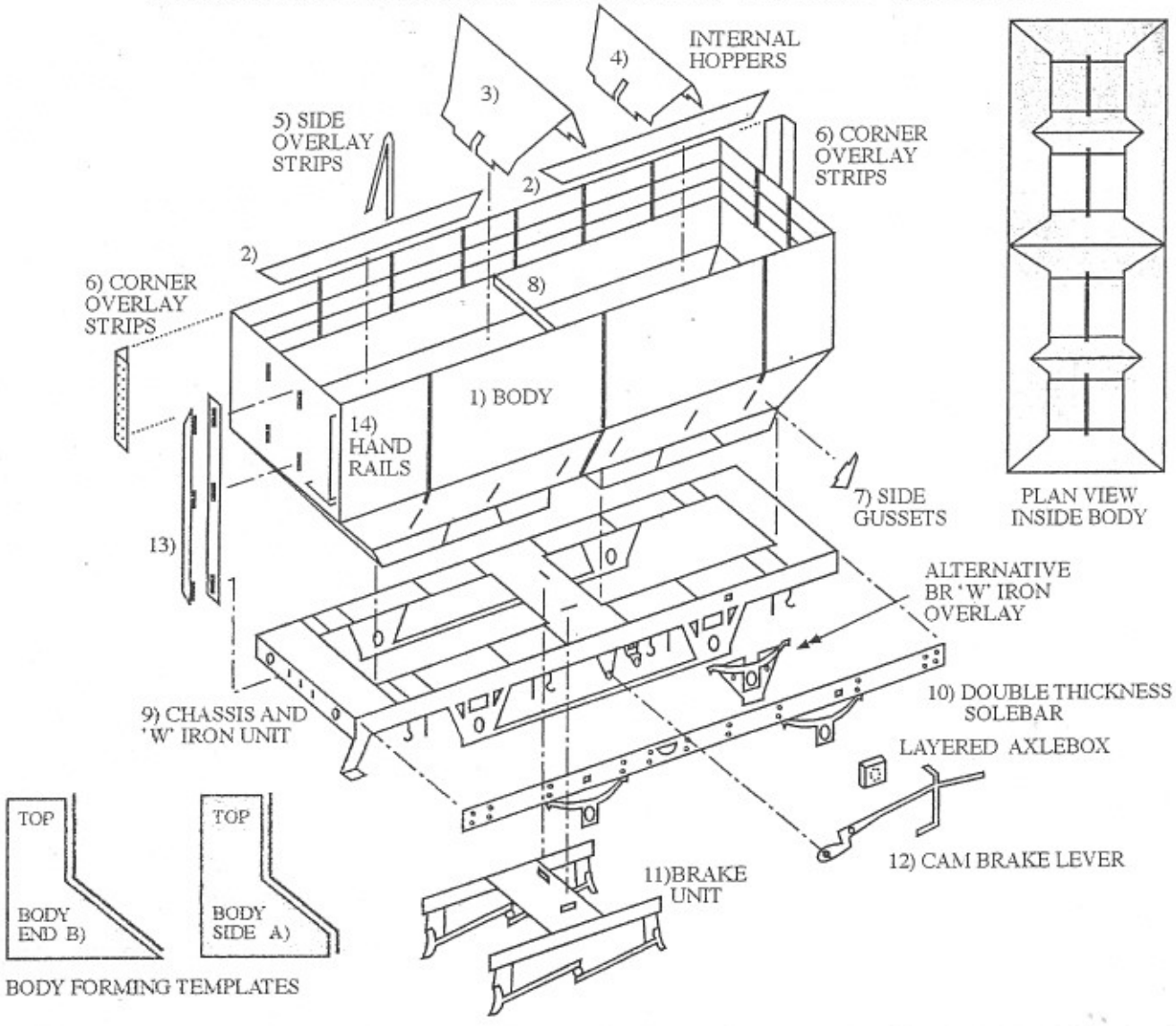
THE 2MM SCALE ASSOCIATION
BR COKE HOPPER BODIES - PART No 2-562 - CHASSIS - PART No 2-356



The kit of bodies for BR coke hoppers to Diag 1/150, 1/151, & 1/152 will yield one each of the 1/150 (raved sides & ends), & 1/152 (solid sides & ends), OR ONE ONLY of the 1/151 (raved sides & solid ends. The chassis etch shown above, is sold separately to the body etch. Wheels 2-209 (spoked) or 2-205 (3 hole disc), top hat bearings 2-041, roller bearing axleboxes 2-476 if required, (or as supplied on the etch). Buffers (various types used), wire and couplings are also required to complete. Etched bend lines are on the inside of the bend. Break off required body side/end by bending back and forth (DON'T cut). For 1/150 & 1/151 fit the riveted side strips 5) (see bottom of etch) over the verticals separating the raves on the main body. Also the riveted corner plate overlays 6) should be scored along the middle (on the plain side), to ease bending and BEFORE removal from the etch, it's easier that way! For a 1/152, note only three blank strips are used as shown, & the two outer strips stop at the top of the gussets 7). You may prefer to fit the side strips now, prior to bending the body.

Use the templates A) & B) for the side & end profiles to bend the body to shape BEFORE bending the 90 deg corners. Body 1) end fits INSIDE side. Note one side has the floor, and is to be soldered to the other side after the main body is soldered together. Solder two bottom floor hinge rails 2) together to get double thickness and position centrally in the base of the body. DON'T solder in place yet. Bend up the big hopper 3) and fit centrally (with the slots over the above rails). Note the bottom tabs to fit VERTICALLY into the floor slots. You will find the correct amount of bend for the hopper by turning the body 1) upside down and lining the tabs of the hopper 3) with the floor slots. It's easier this way, than trying to get the correct angles from within the body. Repeat the process for the two smaller hoppers 4) & fix all three along with the rails 2), noting the location slots in the body ends for the rails. Fit 'top' cross rail 8) to top of body for a 1/152, and top of solid portion (bottom of raves) as shown for the others (use relevant locating slots). Fit handrails 14) to suit prototype (use holes in body ends). Bend up chassis 9), fit top hats and the double thickness solebars 10), UNLESS you are fitting the BR style 'W' irons. Here, you cut off the springs on the BLANK INNER sub layer of the solebar, & replace with the alternatives, laying these over the chassis 'W' irons and under the outer spring outline of the solebars. Fold up the three layer axleboxes and fit over the top hats. Bend up brake unit 11) & fit to chassis using location tabs as shown. Cam brake handle 12) lines up with the holes in the brake unit and chassis, after bending to shape to miss axleboxes. Use 0.3mm wire as rigging. Fit plain handle to oppsite side.

Note chassis design (prototype & model) is 'open' & is liable to distortion if mishandled!!Carfully join to body with solder tack & ensure nothing is twisted. If wagon is 'fitted', thread gussets 7) onto pre bent 0.45 dia 'vac pipe' wire, then fit to slots in the body. Use the non holed gussets for unfitted types. Fit front & rear 'tee' plates and stanchions 13) to body/chassis ends in slots provided.

See Model Railway Constructor, August 1983 'Datafile' for detailed article. See also 'Working wagons' by David Larkin, vol 1 (pages 24, 25) published 1998 by Santona, & vol 2, (page 25) published 1999.