

## **Brassmasters R301 L&YR Brake Van Detailing Parts for D&S 4/6-wheel Brake Van**

### **Cabin partition and door (6-wheel van)**

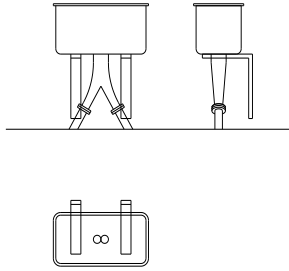
- 1 Push through the bolt heads from the back of the partition [1] using a scribe or riveting tool. Be sure not to make them too large.
- 2 Attach the door frame [2] to the back of the partition [1] ensuring the door openings line up.
- 3 Attach the door [3] to the back of the door frame.
- 4 Repeat for second end.
- 5 Add glazing and door handles, if required, and then use the assembly in place of the cabin ends in the D&S instructions.

### **End frame (6-wheel van)**

- 6 The top cross member of the end frame is different on the 6-wheel brake. The best way to replicate the deeper section is to cut away the top section level with the inside of the vertical members and file up replacements from plastikard using the cross member pattern [4]. Secure in place using cyanoacrylate glue or epoxy resin

### **Sandboxes**

- 7 Bend up the legs of the sandbox frame [5].
- 8 If using the casting from the kit, clean it up and round all the edges except the top ones.
- 9 If required, flatten the top of the sandbox casting and reduce to 3 mm high. Attach the sandbox lid [6] centrally on the top of the sandbox using cyanoacrylate glue or epoxy resin. Add the hinges from scrap pieces of etch that hold the lamp irons.
- 10 Either open out the hole in the sandbox frame to clear the pipe moulded onto the bottom of the sandbox casting or make new pipes (see 14 below).
- 11 Alternatively, new sandboxes may be made from plastikard. Cut and file up a piece of plastic 6 mm x 3 mm x 3 mm to form the sandboxes. Round off the bottom edges and corners, but not the top edge.
- 12 Attach the plastic sandbox to the top of the sandbox frame 0.75 mm (30 thou) from the mounting edge using cyanoacrylate glue or epoxy resin.
- 13 Attach the sandbox lid [6] centrally on the top of the sandbox using cyanoacrylate glue or epoxy resin. Add the hinges from scrap pieces of etch that hold the lamp irons.
- 14 If required, drill two 0.5 mm holes in the bottom of the sandbox through the holes in the sandbox frame and fit two pieces of 0.5 mm wire curved as in the diagram.



15 Mount the sandbox assembly so that the top is just under 8 mm from the floor (7.8 mm).

16 Repeat for second end.

### Lamp irons

17 If fitting the L&Y lamp irons, looking at the side of the brake van, attach the left hand iron [7] to the left hand end and the right hand iron [8] to the right hand end using cyanoacrylate glue or epoxy resin.

18 Form the rest of the lamp iron and fit in a small hole drilled in the body side through the notch in the edge of the etched lamp iron.

19 Bend up and fit the end lamp irons [9] using cyanoacrylate glue or epoxy resin.

20 If fitting the LMS lamp irons [10] bend up and fit using cyanoacrylate glue or epoxy resin.

### Brake gear (6-wheel van)

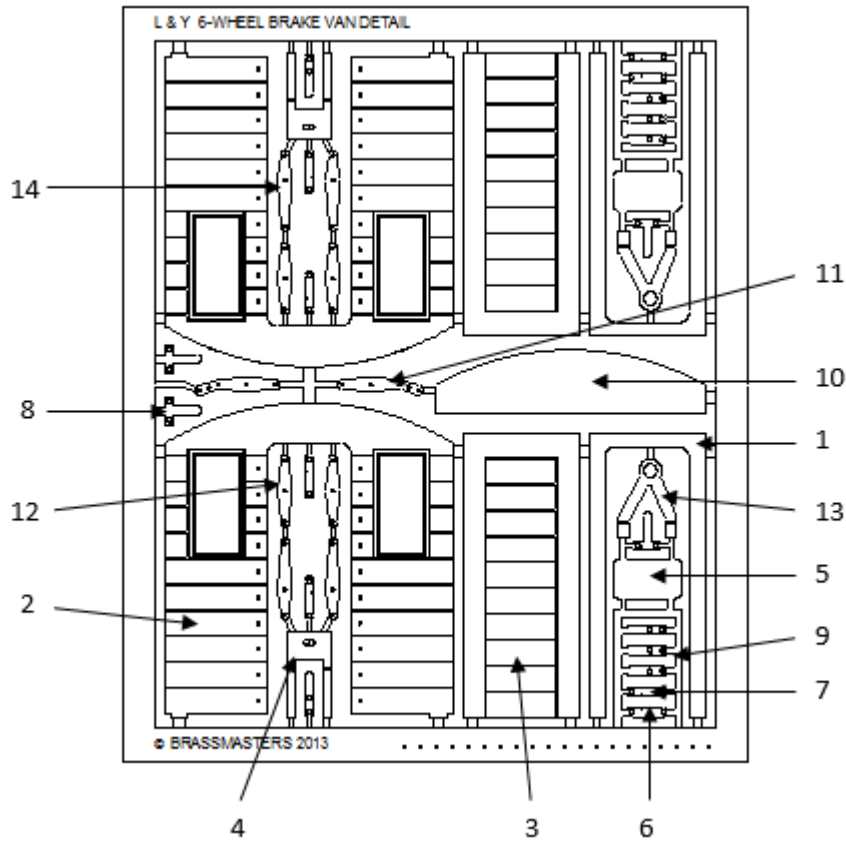
21 Build up the brake gear in the normal manner using the pair of central vertical brake levers [11] in the middle and the pairs of the outer vertical brake levers [12] at the ends.

### Brake gear (4-wheel van)

22 Fit the two offset 'V' hangers [13] to the van underframe. Note they are handed.

23 Build up the brake gear in the normal manner using the pairs of the vertical brake levers [14] at each end.

The use of these parts to produce the early diagram 43 6-wheel brake van is covered in an article produced by Dave Carter for the L&Y Society.



1	partition	8	L&Y side lamp iron right
2	door frame	9	end lamp iron
3	door	10	LMS side lamp iron
4	cross member jig	11	6 wheel van centre brake lever
5	sandbox frame	12	6 wheel van end brake lever
6	sandbox lid	13	4 wheel van offset V hanger
7	L&Y side lamp iron left	14	4 wheel van end lever

