

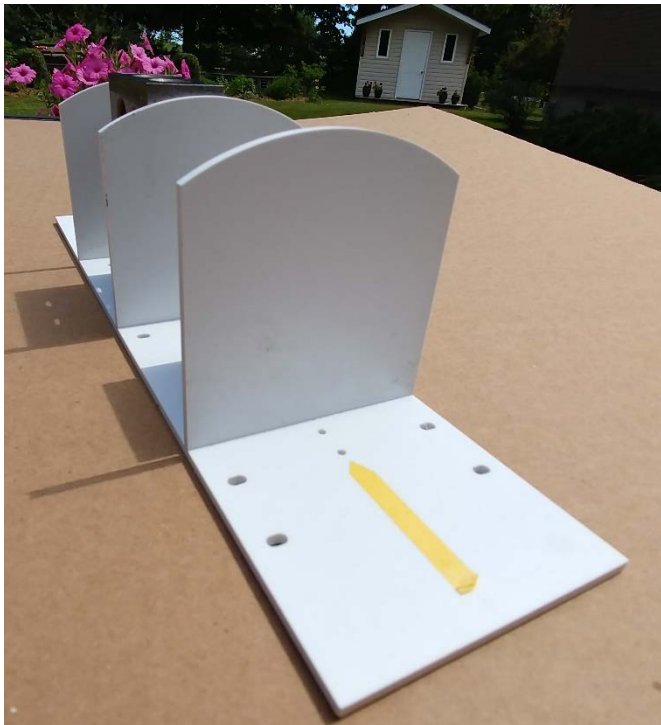
## LMS 6 WHEEL VAN INSTRUCTIONS

**Step 1:** On a flat surface, place the van floor with the slots facing up and the 2 small holes that are on the center line to the right-hand side. **SEE PHOTO 1.**



**Photo 1**

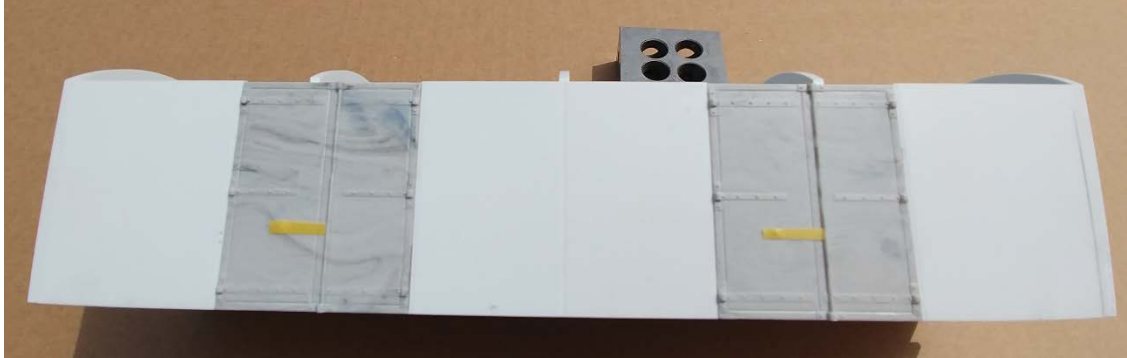
Using a square block, square up a bulk head in a slot on the floor and flush to the edge. Glue in place. Repeat process with the other 2 bulk heads. **SEE PHOTO 2.**



**Photo 2**

## LMS 6 WHEEL VAN INSTRUCTIONS

**Step 2:** Glue doors into the sides. With the door handles facing to the left, marked in yellow. **SEE PHOTO 3.**



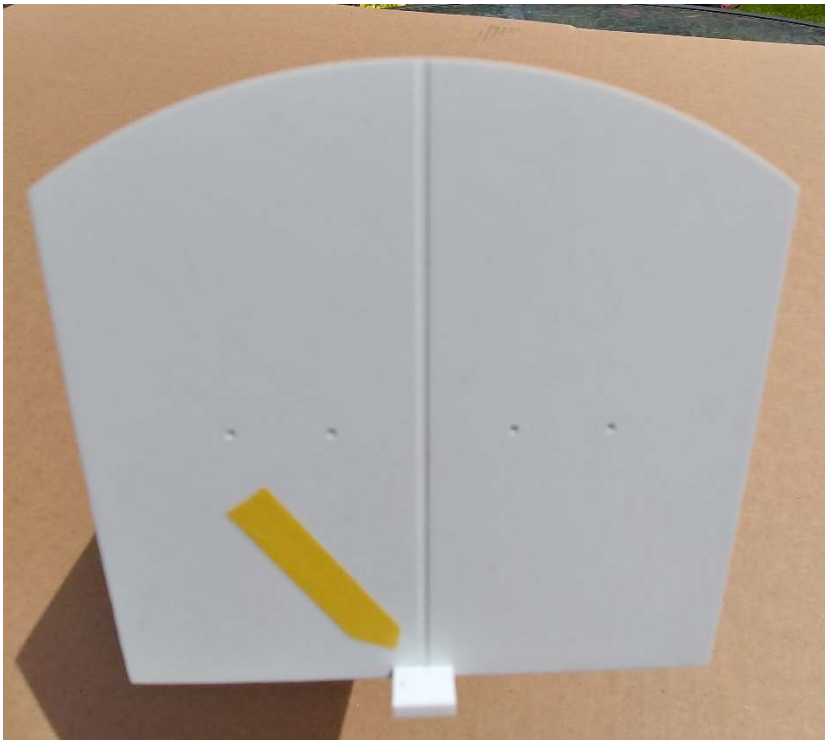
**Photo 3**

**Step 3:** Place the side of the van against the floor and the bulk heads flush with the floor ends. Ensure that the floor is flat to the working surface and the door handles face to the left. Then glue in place. Repeat for the other side.

(This end is for Palethorpes van only)

**Step 4:** Place the end with the 4 small holes in it to the right-hand end of the van (see Step 1). Square up flush to sides and bottom and glue in place. Repeat for the other end.

**Step 5:** For Palethorpes van only. Glue the small block for the ladder support to the right-hand van end in the center and flush to the bottom. **SEE PHOTO 4.**



**Photo 4**

## LMS 6 WHEEL VAN INSTRUCTIONS

**Step 6:** Place a sheet of abrasive paper on a flat surface and sand the bottom of the van body flat.

**Step 7:** Glue the 4 angle irons to the 4 corners of the van body and the 5 thin strips to each side. (2 on each side of the doors and 1 into the slot). Glue the 2 long strips into the slots in the ends. Trim the strips and angles to the top and bottom of the van body. **SEE PHOTO 5.**



**Photo 5**

**Step 8:** With the van body supported upside down, glue the buffer beams flush to the end and sides. Glue the 'T' irons vertically to the ends 21mm from the edge to the outside of the 'T' irons. Trim the leg of the 'T' iron at 45 degrees to the top. **SEE PHOTO 6**

**Step 9:** Plug the 'W' irons into the slots in the floor and glue.

**NOTE!** The 'W' irons with the slots in the bearing are for the middle set of wheels only.

The 'W' irons must be square to the floor. Do not put the wheels in at this time.

**Step 10:** Glue the sole bars to the floor and against the 'W' irons and flush to the buffer beam.

**Step 11:** For the Palethorpes van only screw the battery boxes to the floor against the sole bars.

**Step 12:** The axle box springs fit on top of the axle box and under the sole bar. **NOTE!** Some of the springs are a tight fit and will bend the 'W' iron inwards reducing the side clearance on the wheels. You may have to fit each spring separately.

With a file or emery stick remove material from the 3 contact surfaces, until the spring is a fit and does not bend the 'W' iron.

**Step 13:** For Palethorpes vans glue into the holes in the end the 4 angle brackets. When the glue is set take the 4 short strips and run a craft knife along each edge making a chamfer. Glue the first strip onto the angle brackets against the angle iron on the corners of the van. Repeat for the other side ensuring that the ladder will fit between the strips and be a snug fit for the ladder. Glue on the other 2 strips.

**SEE PHOTO 6.**

## LMS 6 WHEEL VAN INSTRUCTIONS



**Photo 6**

**Step 14:** Glue the hook plate into the buffer beams. Glue the foot boards under the doors against the sole bars.

**SEE PHOTO 5.**

**Step 15:** From the right-hand end, on the underside of the sole bars, mark a line 87mm from the end.

Take 2 'V' hangers with the dogs facing each other and feed them onto the wire. Square up and glue together. Repeat for the other pair of 'V' hangers. Spread the 'V' hanger assemblies out along the wire until they sit on the sole bars, then glue in place on the sole bars with the edge against the 87mm mark.

**Step 16:** Place the hand brake lever on the end of the wire with the handle facing towards the center of the wagon. Slip the hand brake lever onto the brake hanger bracket with the wider part on the sole bar under the floor. Glue the brake lever hanger to the sole bar where the hanger is level with the crank in the brake lever. **NOTE!** The brake lever does not fit into the upper slot on the hanger. Glue brake hanger and brake lever in place.

**Step 17:** Screw the buffer bodies into the buffer beam. Place the spring onto the buffer shank and slide into the buffer body, screw the brass nut onto the back.

## LMS 6 WHEEL VAN INSTRUCTIONS

**Step 18:** Place the chain on the hook and slide the hook through the slot. Place the spring on the hook shank and run the split pin through the hole to secure. **NOTE!** Pull the spring slightly apart so there is tension on it when fitted.

**Step 19:** Glue the roof in place with equal overlap at each end. **NOTE!** The hole in the roof is for the Palethorpes van only and is positioned to the right-hand end of the van.

**Step 20:** (Palethorpes van only) Glue the bottom curved section to the roof with the ladder support block facing toward the end. Glue on the ice box top with the widest spread of the handles nearer to the center of the wagon. Push the 2 handles through the holes in the ice box top, and secure with crazy glue (cyanoacrylate).

**Step 21:** Trim the ladder ends so they fit over the ladder support blocks so they fit vertically to the end of the wagon. **SEE PHOTO 6**

**NOTE!** The ladder material is ABS and will not glue with the styrene solvent. Use crazy glue.

**Step 22:** Screw the swinging axle with the wheels attached to the bottom of the van using the 2-56 screws supplied. The long X key is provided for this. Add lock nuts for security.

Carefully pry the 'W' irons apart and slip the wheels into the axle boxes.

Glue the right and left-hand brake shoes to the floor giving clearance to the wheels.



## LMS 6 WHEEL VAN INSTRUCTIONS

**Step 23:** Please read and follow the instructions for the transfers. (Decals) This is important for they are very delicate.

Colour scheme is LMS red with black underframe and the roof is grey or white.

## 6 WHEEL VAN (PAGE 1 OF 2)

1. 1 FLOOR  
2 SIDES  
1 ROOF PL HAS 1 HOLE  
2 RAIN STRIPS  
2 SOLE BARS
2. 2 ENDS PL HAS 4 HOLE 1 END  
3 BULK HEADS
3. 4 DOORS  
10 SHORT STRIPS .015 X 40  
2 LONG STRIPS .015 X 40  
4 1/8 ANGLE STRIPS  
4 'T 'IRONS  
4 FOOT BOARDS
4. 2 BUFFER BEAMS  
6 SPRINGS MOULDED  
2 HOOK PLATES
5. 4 'W' IRONS WITH HOLES  
2 'W' IRONS WITH SLOTS
6. 2 BRAKE GEAR SETS  
1 .04 DIA WIRE  
6 SETS BRAKES R & L HAND
7. 4 BUFFER BODIES  
4 BUFFER HEADS  
4 SPRINGS  
4 BRASS NUTS
8. 2 WHEEL & AXLE ASSEMBLIES  
1 SWIVLE AXLE ASSEMBLY
9. 1 LONG .050 HEX KEY  
2 2-56 SCREWS  
2 2-56 NUTS
10. 2 BATTERY BOXES PL ONLY

**6 WHEEL LMS VAN (PAGE 2 of 2)**

- 11. 1 ICE BOX TOP PL ONLY
- 1 ICE BOX BASE
- 2 HANDLES 'BRASS'
- 4 FOOT BOARDS
- 4 ANGLE BRACKETS ON RUNNER
- 1 LADDER BRACKET .08 X .188 X .300
- 1 LADDER
  
- 12. 2 COUPLING HOOKS
- 2 SPRINGS
- 2 SPLIT PINS