

!#@*?! TRAIN STUFF

175 MONMOUTH BLVD.
 OCEANPORT, N.J.
 07757

Property of
 NASG Inc.

Styrene Side Boxcar Kit

1. Unpack and inspect your kit against the parts list. Read the instructions thoroughly and familiarize yourself with the sequence of assembly. If the plastic pieces are bent or warped they may be heated until soft under a 100 watt lightbulb and then flattened under a heavy book until cool. Sand and seal the wood strips before assembly. Use either a acrylic finish (Krylon) or sander-sealer for this purpose.

2. Remove all the flash from the castings with a file, emory board, or sanding block. Check for any air bubbles we might have overlooked and repair them with epoxy or filler compound.

3. Bevel the top (roof) corners of the end blocks so that the sides fit flush against the end blocks. Cement the sides to the end blocks to form the body of the car. Assembly can best be done upside down on a flat surface. Check to be certain that all corners are square. When dry, cement the spacer block to the center of the car to keep the sides in line.


4. Add detail to the sides and doors (see center photo). Add the detail to the ends-ladders, brake wheels, etc.
5. Use the stripwood (black) to form the end of the roof overhang. It will cover the seam where the roof and cast end meet. Check the cast end for angle. File off any stripwood that is in excess from the top upper edge. Cement the roof to the car body making the overhang on the ends equal.
6. Attach the castings with detailing on to the end blocks. The upper edge should fit into the overhang of the roof. The outside edge of the end should cover the car sides.
7. Cut the floor the same length as the sides. Attach the scale bolster or in the case of AF, the washer, to the floor. Pre-drill the centersill before installation. Cut the centersill to length and glue to the middle of the floor. Trim away an excess that interferes with AF trucks. Use 5/32 x 3/32 (yellow) for the twelve small crossbraces. Use 1/16 x 3/32 (orange) for the eight large crossbraces. Cement these and the brake

cylinder¹², reservoir¹¹, AB valve¹³, and levers with appropriate piping. The thick wire for main brake line, the thin wire for other.

8. Scale and Highrail trucks- Drill the holes for the screw (5/64") and couplers (1/6").

9. American Flyer- Drill holes for the screws (7/64") in the center of the bolster.

10. Paint the underframe silver and then cement the floor to the body keeping the end of the floor flush with the end of the body. Now you can attach the trucks and couplers.

11. Drill the holes for the sillstep (.035" or 1/32"). Cut the steps like so  and file the rough edges. Paint these silver and insert into car body.

Construction Tips- When drilling into the styrene sides be sure that your drill bit is sharp. Take your time- go slowly. The same holds true when filing the cast styrene parts. Use sharp tools and take your time. It will make for a better result.

When cementing styrene to styrene surfaces use five minute epoxy or Ambroid glue. When cementing metal or wood to styrene use a contact cement (Walthers' Goo) or epoxy. When gluing wood to wood use white glue (elmer's).

HAVE FUN....

PARTS LIST

#24905 CPRail 50' Welded side Boxcar

| Qty. | Part # | Description | Price |
|------|----------|----------------------------|--------|
| 2 | PA40T026 | 1 Sides, Plug door, welded | \$1.50 |
| 2 | PA40T027 | End Blocks | 0.25 |
| 1 | PA40T028 | 2 Roof, P-S | 1.00 |
| 2 | PA40T020 | 3 Ends, Youngstown | 1.00 |
| 8 | PA40T015 | 4 Ladders, 4 rung | 1.30 |
| 2 | PA40T005 | 5 Destination boards | 0.05 |
| 1 | PA40L116 | 6 Ajax brake housing | 0.09 |
| 1 | PA40L115 | 7 Brake wheel w/ levers | 0.15 |
| 2 | PA40T029 | 8 Brake platform, short | 0.10 |
| 1 | PA40L021 | 9 Brake pulley | 0.25 |
| 1 | PA40T031 | 10 Floor | 1.00 |
| 1 | PA40L019 | 11 Reservoir | 0.12 |
| 1 | PA40L018 | 12 Cylinder | 0.15 |
| 1 | PA40L020 | 13 AB Valve | 0.08 |
| 1 | PA40T009 | 14 1" piping | 0.10 |
| 2 | PA40T012 | 15 1 5/8" piping | 0.10 |
| 1 | PA40N003 | 16 3/64" x 3/64" stripwood | 0.06 |
| 2 | PA40T014 | 17 Bolster, A.F. | 0.10 |
| 2 | PA40A062 | 18 Bolster, Ace | 0.75 |
| 2 | PA40T005 | Converted Kadee couplers | 1.10 |
| 2 | PA40A252 | Scale trucks, roller bear. | 3.25 |
| 2 | PA40A253 | HiRail trucks " " | 3.25 |
| 2 | PA12A051 | A.F. trucks | 4.00 |
| 2 | PA40D002 | 19 ACI Labels | 0.10 |
| 1 | PA40H005 | CP Rail decals | 1.55 |
| 1 | M24905 | Instruction booklet | 1.00 |

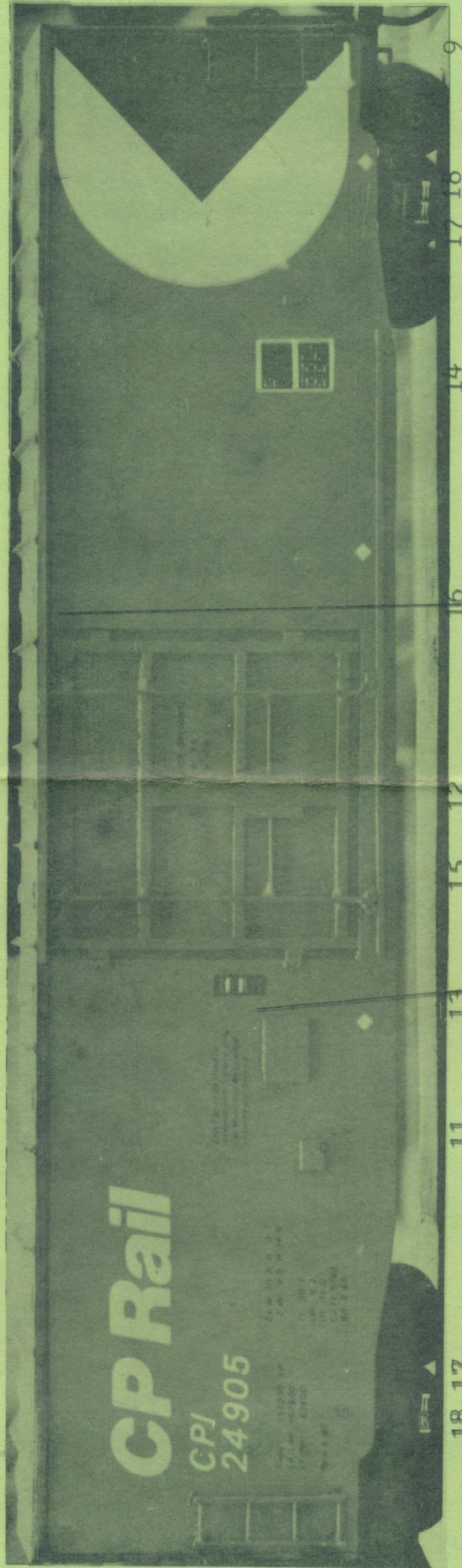
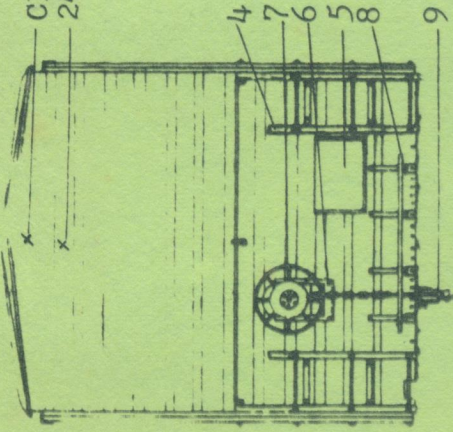
DECAL INFORMATION- All surfaces should have a gloss finish. Use solvset diluted 1:1 with H₂O these decals. Add a drop of liquid detergent (lux, etc.) to the decal soaking water. Red boxcar does not have newsprint decal, only the green car is for newsprint only.

PAINING INSTRUCTIONS- The styrene cast parts have been given a thin coat of primer. If you use lacquer paints (Floquil or Scalecoat) prepare the sides first with barrier coat. Use thin layers of paint to get the most detail.

4A. When adding the detail to the sides, attach only one ladder at this time to the "A" end (opposite of "B" brakewheel end). The other ladder will be placed later after the car is decaled and will be painted black with white on the lower half to match the decal.

4B. Paint the car sides and ends red or green. Green car can have black on lower skirt of the sides. The roof is silver except for top door guides, which is the same color as the sides.

CPI
24905



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