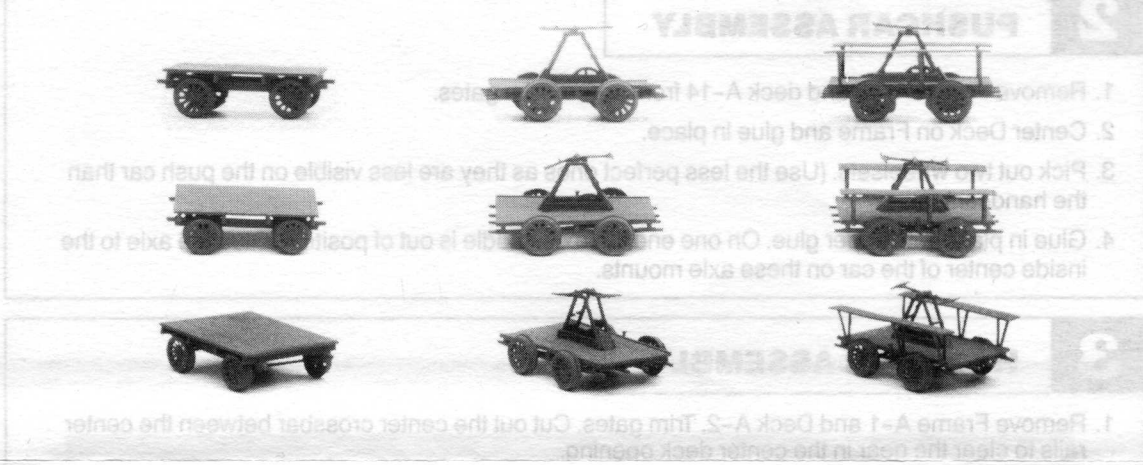


# Handcar/Pushcar

Kit #4011



## TOOLS NEEDED

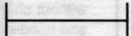
- Liquid Plastic Cement
- Plastic Model Cement
- #0 or 00 Paint Brush
- Hobby Knife
- #11 Blades
- Gap Filling Super Glue
- Kicker for Super Glue
- Tweezers
- Diagonal Cutters

## BEFORE STARTING ASSEMBLY

1. Install a new #11 blade in your knife.
2. Clear any flash in the triangular wheel openings by inserting the tip of your knife into the hole with the cutting edge pointing to the rim.
3. Before removing the following parts from the sprue brush a coat of liquid cement onto them. This will strengthen any weak sections and prevent breakage.  
A-3 (2), A-4 (1), A-8 (2), A-11 (6)

# 1

## WHEELSET ASSEMBLY

1. Remove wheels A-10 (8) from sprue. Trim gates with knife on flat surface after removal.
2. Cut 4 pieces of .020 wire to length. 
3. Place wheel on a flat surface face down. Place a drop of gap filling super glue on the hub and hold wire upright in it. Spray with kicker to set glue. Repeat for other end.
4. Repeat for other 3 axles.

As an alternative construction method you can drill out the hubs with a #74 drill. Cut axles 1/8" oversize and glue to model. Glue wheels in place and trim axle with rail nippers.

## 2

### PUSHCAR ASSEMBLY

1. Remove Frame A-13 and deck A-14 from sprue. Trim gates.
2. Center Deck on Frame and glue in place.
3. Pick out two wheelsets. (Use the less perfect ones as they are less visible on the push car than the handcar.)
4. Glue in place with super glue. On one end the axle saddle is out of position. Glue the axle to the inside center of the car on these axle mounts.

## 3

### HANDCAR ASSEMBLY

1. Remove Frame A-1 and Deck A-2. Trim gates. Cut out the center crossbar between the center rails to clear the gear in the center deck opening.
2. Center frame on deck and glue in place.
3. Remove A frames A-3 and trim gates with a sharp knife on a flat surface. Remove overflows on bottom also. Glue in place by running a bead of plastic model cement along the bottom. Place in position on the deck. This glue gives you more working time.
4. Remove spacers A-5 and glue between the A frames against the deck. It is easy to place these parts if you hold them by sticking a sharp knife point into the part. Remove point after the glue sets.
5. Remove boards A-8 and glue to sides of A frame. Again use the brush to apply a coat of glue and place the part using the knife tip.
6. Remove and trim gear A-7. Glue into opening in deck at one end.
7. Decide if you are building the model with the optional side benches. If not, skip steps 8 and 9.
8. Cut out 6 support brackets A-11. Glue 3 on each side of car. The center ones are offset to one end of the car about 1/8 inch. The easiest method is to hold the piece in tweezers, dip the end into solvent and place it on the car.
9. Remove and trim seats A-12. Place seats face down on the edge of your workbench. Turn car over and hold the brackets against the seats. Apply glue and let set. Repeat for other side.
10. Remove and trim handle A-4 Snap into A-frame. Clear holes with a pin if necessary.
11. Glue wheelsets in place with super glue.
12. Remove brake operator A-9. Glue to center of side.
13. Remove brakeshoes A-6. Glue one to each wheel by brake operator.

## PAINTING

We strongly recommend the use of an airbrush. Hold one of the crossbars underneath with tweezers and spray an even coat over the whole model. Most cars were boxcar red or brown but many were painted in the Road's standard MOW color.

If you should irreparably damage or lose a part it will be replaced without charge. Please return the part/s to us with \$1.50 for shipping and handling — a replacement will be sent immediately. And, do drop us a line, we enjoy hearing from you with ideas, comments and suggestions for new products.

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