

ASSEMBLY INSTRUCTIONS GP-9 SCALE CONVERSION KIT

Electro Motive's GP-9 diesel was a 1750 Horsepower follower of the earlier and very successful GP-7. American Flyer produced the "S" scale GP-7 model some years ago. The scale plastic shell from a Flyer GP-7, and one each of Enhorning's can motor power truck and dummy truck is all you need in addition to this kit to complete a beautiful scale model of the GP-9 locomotive.

The parts included in this kit were almost entirely hand-crafted of brass shapes and castings neatly soldered together. They are as a consequence delicate, especially the handrail wire and brackets, and must be handled with pride. Should any part become unsoldered it is best to repair it using an epoxy type glue, following the glue manufacturer's instructions. This is recommended to save your patience, and the paint job on your finished model.

The frame is completely assembled and may be used as it comes to mount your GP-7 plastic shell and power truck. If you wish to assemble your model immediately, you may do so by following the "SHELL AND POWER TRUCK MOUNTING" instructions below. However, a more beautiful model may be had by first altering the plastic shell and adding the detail as follows. Before proceeding with any work, we recommend that you read the instructions and familiarize yourself with each step.

TO REMOVE PAINT from the plastic shell immerse it overnight in a solution of about five tablespoons of LYE in a gallon of water. CAUTION: LYE CAN CAUSE SEVERE BURNS. Read precautions on container before using. Not all the original paint might come loose, but the lettering will.

GRAB IRONS. Plastic cast-on grab irons may be removed with an X-ACTO or similar knife by cutting them off flush with the nose surface. Be careful not to remove other detail. Mark holes and drill with No. 76 drill (Drill all plastic at a slow speed) on ends and also on top as shown in drawing. It will be easier to press the scale grab irons in the holes if their ends are first filed taper. Bend excess which extends into the shell to hold them in place.

HORN CLUSTER. It is up to you to leave the original horns in place or install the included cluster. Its location varied according to prototype practice. A typical location is shown on drawing. Drill with No. 67 drill. The cluster will be mounted later when most of the other work is done.

LIFT RINGS. Locate as shown on drawing. Use No. 71 drill. Exercise care when pressing into holes.

FITTING HANDRAIL TO CAB. Mount plastic shell on frame and secure in place with two screws. Mark the location of holes on the side of the cab at 1/8 inch from corners. Drill holes with No. 67 drill. Cut and bend handrail as shown on drawing, and press in the holes.

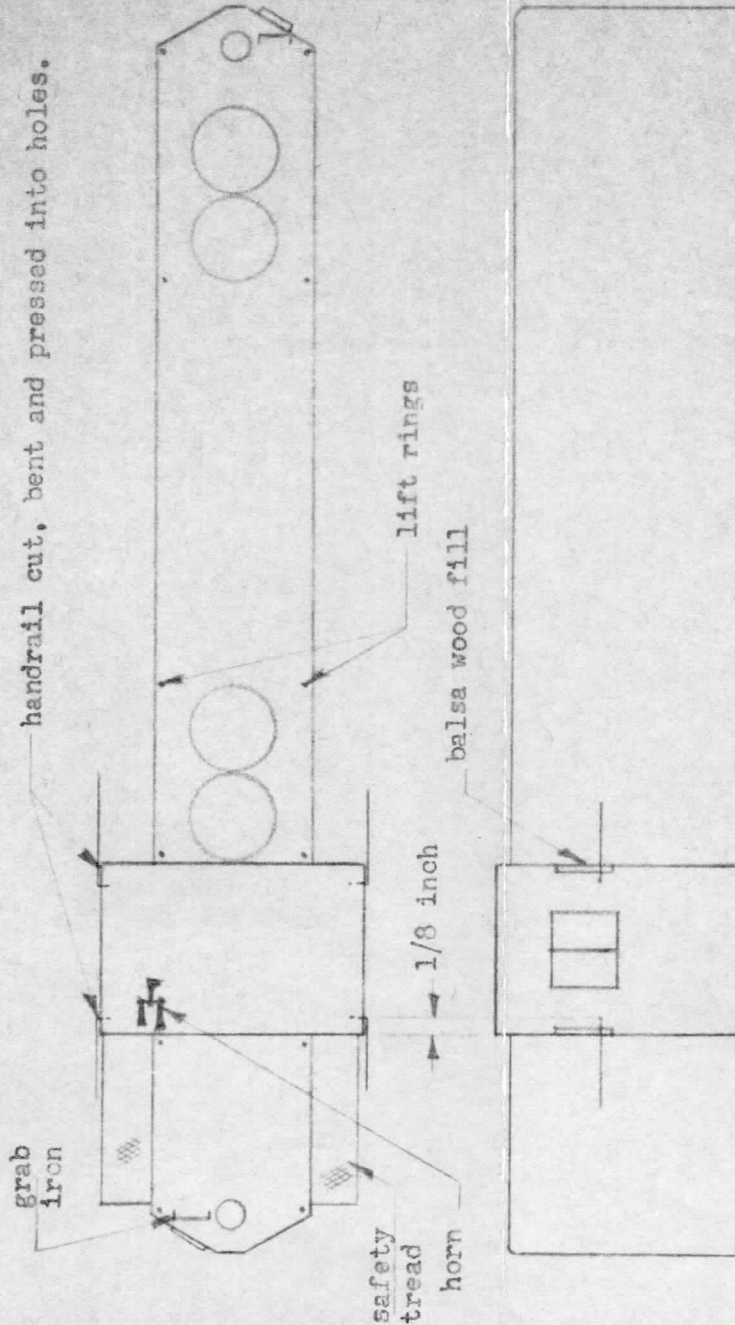
The steps which follow all involve the use of an epoxy type glue. Be sure and follow the glue manufacturer's instructions on use, and care to be exercised.

FILLING WINDOWS You will need to mix epoxy glue for this step. About 1/2 teaspoon should suffice. The missing corner of the cab end windows may be filled with pieces of 1/16 square balsa wood. Cut to length to fit snug in place. Build up a small amount of epoxy on the surfaces of the piece of balsa. This excess glue will be filed flush with the sides of the cab after it sets. With left-over glue from this mix you may plug the holes left from the old horns and handrail. Inspect and turn over often during the first two hours to keep the glue from fanning. Leave set overnight.

SAFETY TREAD This step will take another mix of epoxy glue, about 1/2 as much as the previous step. Press the horn cluster in place and build up a small amount of glue where the stem projects into the cab. Glue the two pieces of safety tread in place as shown on drawing.

COUPLERS. The coupler pockets are drilled and tapped to accept a 2-56 screw.

SHELL AND POWER TRUCK MOUNTING. First the power and trailer trucks must be mounted on the frame. This is done with the screw, 2 fiber washer, gray washer and nut furnished for each truck. The gray fiber washer is to be sandwiched in the bolster hole between the two fiber washers. Use hookup wire to run a lead from the dummy truck screw to one side of the motor. The other side is hot to ground and does not need to be connected. You must test for which side to connect. There are four holes provided in the frame to match the places for screws in the shell. The original mounting screws may be used. You will note that the two center screws lay under the fuel tank. The fuel tank must be removed to make way for the two shell center screws and then replaced.



If you do not own a GP-7 plastic shell, you may locate one from other modellers, or from a hobby shop specializing in "S" scale.

The power and dummy trucks are available from THE PORT ABLE LINES with brass pickup wheels, and from ENHORNING INDUSTRIES with aluminum wheels. While they last.

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		Morrison, Illinois 61270	
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SORRY I FORGOT TO INCLUDE
THE PRINT IN OTHER ENVELOPE
BT.

