

Espee Models 22' PMT Trailer Instructions

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Thank you for purchasing our 22' Pacific Motor Trucking Trailer kit from Espee Models. Please be aware of a few things before assembling your new kit. This is a craftsman style kit intended for the intermediate level modeler who has had some experience building these types of plastic models. You will need a variety of tools including an X-Acto knife with No. 11 blade, fine tweezers, emery boards, CA glue, and ABS cement such as Ambroid Pro Weld.

During assembly you will need to be familiar with terms and the general location of various railroad hardware. This model was intended to satisfy most modelers with a level of detail for a very nice load or layout model. It can also be super detailed to a contest level model with a little bit of additional work and added detail. Some references that will help you in the construction of the model are SPH&TS *S•P Trainline* numbers 43, 44 & 46; also Southern Pacific Freight Cars Volume 3 by Tony Thompson is a very valuable resource and many prototype photos can be viewed there.

Included in your kit is enough material to construct two trailers, including decals to model a variety of Daylight PMT equipment. Southern Pacific, Pacific Electric, and Northwestern Pacific owned PMT trailers and we have accurately researched their trailer logos to include in the decal sheet. Two varieties of Southern Pacific logos are printed to represent the early and late versions. These decals are available separately from Espee Models.

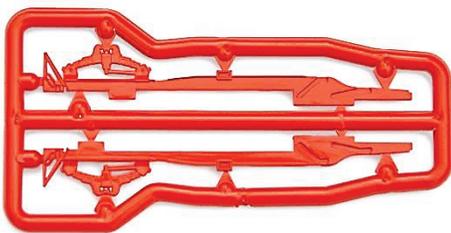
A variety of parts sprues were tooled to create these highly-accurate trailer models. You will find two of each sprue; sides, floor/roof/rear door, frame rail, detail, wheel hubs, landing gear, and rubber.



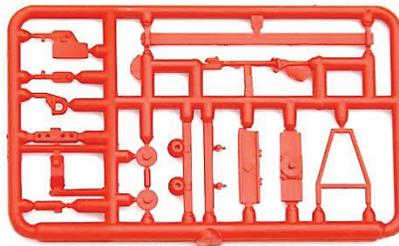
Side Sprue



Floor, Roof, and Rear Door Sprue



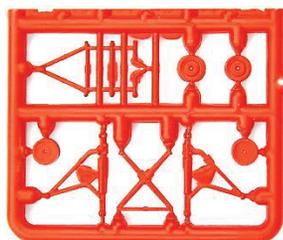
Frame Rail Sprue



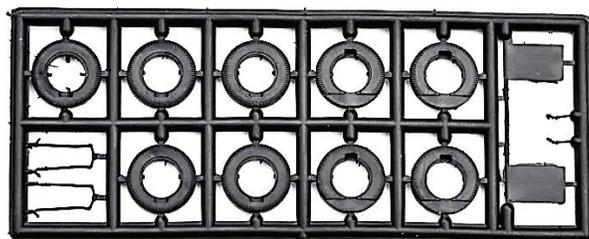
Detail Sprue



Wheel Hubs

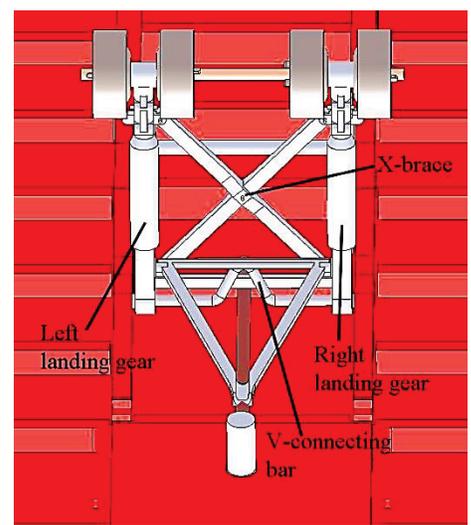
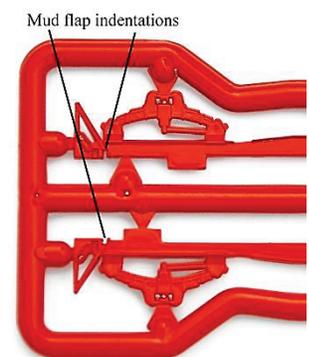
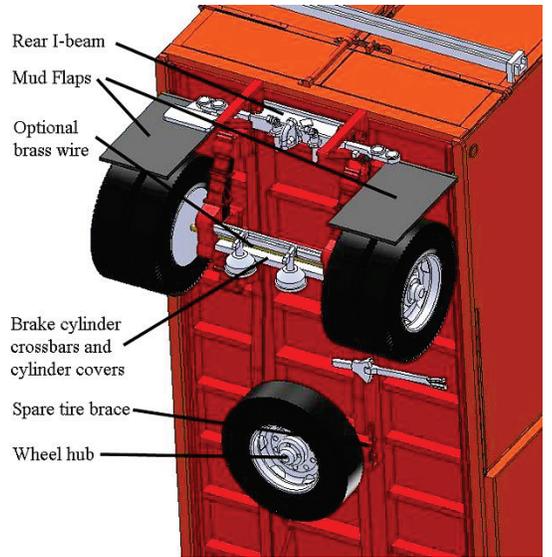


Landing Gear Sprue



Rubber Sprue

1. To begin, look over each sprue and remove any flashing from the injection process. A new No. 11 blade can be carefully used to remove flashing. A file may be used, but be careful not to remove paint from the surface. If needed, the correct matching paint is available from P-B-L, P.O. Box 769, Ukiah, CA 95482, or call 707-462-7680. Ask for SP Daylight Red and Daylight Orange.
2. Remove sides, roof, frame, and rear door from the sprue using a fresh X-Acto blade. Cut each piece carefully to avoid damaging the painted surfaces.
3. Place roof upside down on your modeling table. Fit the two side pieces to the roof before gluing to insure proper fitment. Then glue the side pieces to the roof with liquid cement on the inside of the trailer. Then fit the frame to the model. Apply liquid cement inside the trailer to secure the frame. Once the shell of the trailer is dry, you may add weight if you desire (weight not included).
4. Note the rear door is keyed to fit onto the back of the shell. Place liquid cement around the rear surfaces being careful not to damage the surrounding paint. Place the rear door to the model and let dry.
5. Cut out frame rails from their sprue, but do not attach them to the trailer frame yet. You will note each frame rail is keyed specific to the slots in the frame to allow proper placement. Before inserting the frame rails to the frame, remove the following parts from the detail sprue; brake actuator covers, brake cylinder front crossbar, brake cylinder rear crossbar, rear hitch I-beam, and spare tire brace. Note in assembly that the tip on the brake actuator covers faces upward toward the brake beam.
6. Glue the brake cylinder front and rear crossbars into one side of the frame rails. Note the inside of the frame rails have the slots for detail. Then glue the rear I-beam to the same frame rail. Note the diamond-shaped detail represents the electrical conduit cover plate and faces the rear of the trailer. There are also two nubs on the rear I-beam that face toward the ground. These will be used later.
7. Next, glue the other frame rail into each detail part, carefully fitting the two sides to each other. Then glue the brake actuator covers onto the cylinders with the tip facing upwards toward the frame.
8. Remove the mud flaps from the rubber sprue, removing any flashing with caution because the rubber will slice easily. Now that the frame rails are partially assembled and ready to be inserted into the frame, note the mud flap indentations located above the triangular brace. Glue the mud flaps into the indentations facing down.
9. Glue the frame rails into the frame with the mud flaps attached. Apply liquid cement to the slots in the frame and the tabs on the frame rails for a secure joint.
10. Apply the spare tire brace across the two frame rails and glue in place. Remove the spare tire hub from the wheel sprue and glue on the spare tire brace.
11. You have the option to use brass wire for your wheel axle (not supplied). At this time, attach the wheel hubs using brass wire or gluing them to the leaf springs. The locating tab on the wheel hub faces in the upward position to allow the slotted rubber tires to fit over the wheel chocks on your Espee Models Piggyback Flatcar (sold separately).
12. Turn attention to the landing gear sprue and remove the following parts; right landing gear, left landing gear, yolk, rear spreader bar, V-connecting bar, and X-brace.

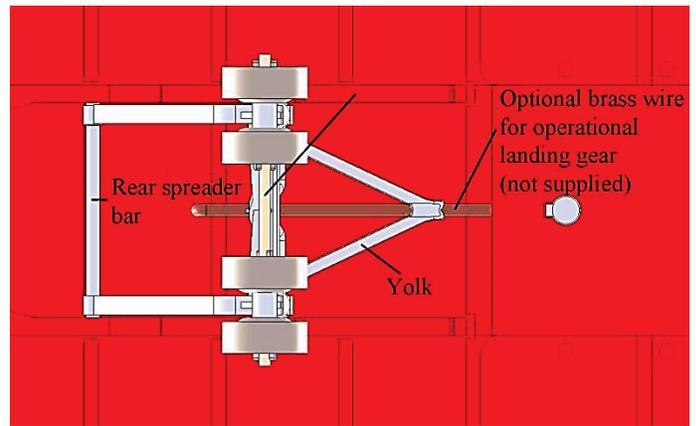


13. At this stage you will need to determine if you plan to use the landing gear in the upward or downward position. The landing gear was in the downward position unless the trailer was connected to a tractor.



Downward

Upward



14. Glue the right and left landing gear braces in place with their locating pins in the slots along the frame rail. Insert the rear spreader bar and V-connecting bar for fitment and glue in place.
15. Attach the X-brace with the cross brace facing upward toward the floor. Glue the yolk to the crossbrace of the x-brace and to the trailer floor. At this time, shape wire (not included) and glue it through the yolk and into the frame to represent the ratchet guide (optional).
16. Glue the landing gear wheels to the right and left braces. If desired, you may drill through the parts and connect them with brass wire (not included).
17. Cut out all decals necessary to complete the two trailer models. Apply decals as appropriate. The images below represent the typical placement of the black stripe, logos, and all stenciling. The small version of each logo type is to be applied on the rear door. Use Solvaset and allow decals to dry.
18. Your trailers are now ready for the final details. Remove the following parts from the detail sprue; left turn signal (includes license plate), right turn signal, tow hitch, and fifth wheel king pin. Note the king pin is double-ended and keyed to fit into the frame. If you plan to model your



Revised PMT Logo (1950s)

Original PMT Logo (1940s)



Model photos to scale

trailers as a load or static display, the small end of the king pin is molded in scale. If you plan to use it behind a tractor, the large end fits into the Classic Miniatures tractor available from your local hobby shop. Glue the king pin.

19. Apply the turn indicators by gluing them to the top of the triangle bracket on the frame rails. Decal the license plate if you desire.

20. Drill a hole into the center of the rear I-beam and glue the tow hitch with the shackle facing downward.

21. Crash bars over the rear door of PMT trailers were eliminated in late 1953 with the development of improved locking mechanisms. This is an optional detail depending on the era you're modeling.

22. Using a knife or fingernail clippers, remove the three air hoses, electrical conduit, and two small gladhands from the rubber sprue. Glue the glad hands into the locating tabs on the rear I-beam.

23. Remove the air hose A-frame and air hose bracket from the detail sprue. Glue them on the nose as seen in the drawing. Feed the hoses and conduit through the A-frame and glue the hoses into the holes in the lower bracket.

24. The hand brake is located on the detail sprue below the crash bar. Carefully remove it and glue it on top of the frame rail as shown below.

25. If you have purchased the side-door version of these trailer models, remove the stirrup step from the detail sprue and attach it below the door in the notches along the frame.

26. Air brush a clear coat using the finish of your choice.

27. Remove a total of five wheels from the rubber sprue. Note there are four wheels notched to fit over the wheel chalk if used in piggyback service. Otherwise, use four plain tires and press them onto the wheel hubs. Press the spare tire onto the spare brace.

