

Plano Model Products - #14898 Southern Railway SD24 Rebuild detail kit

The parts in this kit are intended to represent some of the parts Southern Railway added to or modified on their SD24's in the early to mid 70's.

There are a few body modifications you will need to make before adding some of these details to your model. Hopefully you are able to disassemble your model. It will be easier to make these modifications if the walkway frame can be separated from the body shell. Please read through these instructions so you understand them. You don't have to follow them in this order but it will help you plan ahead.

On the front of the short high nose, the existing doors will need to be sanded off leaving a flat, smooth surface, just below the horizontal strap. On the back (long hood end), you will need to remove the ladders if they are on there, and/or fill the holes if there are any and also sand off the lower rectangular inspection doors.

You may also want to make the modification for adding our #14890 Intake screens.

Building ladder

Assembly of the ladder can be done several different ways. A few options will be given in these instructions as we attempt to walk you through the assembly process.

Note that there is a left hand and right hand ladder side. And yes there is a top and bottom. Carefully trim each ladder side from the fret and clean up ends if needed. Bend top and bottom mounting feet 90 degrees at the half etch lines. Etch lines are the inside of the bends.

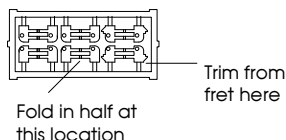
Part of the fret is an assembly fixture to aid in assembling the ladder. Insert the top of each ladder side into the upper cutout of fixture and then ladder bottoms into lower slot. Slide ladder sides up until they rest against the top of the fixture slots. A piece of tape on the back will hold the feet flat and keep the sides at 90 degrees.

fret without removing it from the fret. Position on body to help center the fret for drilling. Position fret so drill guide holes are against the front edge of the batten strip. Mark and drill #78 holes at these locations. Now remove U bracket from fret, insert mounding pins in drilled holes, square up and glue in place.

There is one bracket on each side just in front of the dynamic brake blister. Position fret drill guide centered where new bracket is going to be and drill #78 holes. The new brackets are made in halves and will need to be folded over to create double sided bracket. Remove a bracket pair, fold in half at the ends of the mounting pin, insert in drilled hole and glue in place. Repeat on other side.

Adding side lift lugs

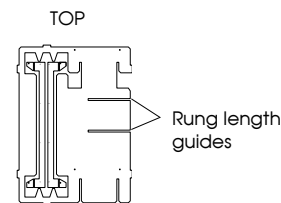
A fret of side lift lugs is included in this kit that can be used to replace the plastic lift lugs found on each side of your model. They were initially designed to fit in the slot provided on the Atlas undecorated SD24 model. From there they were tweaked so they could be used on any model. For durability, these lift lugs are intended to be folded in half and installed in a double thickness configuration.



If you are adding the lugs to an undecorated model, carefully remove a lug 'set' from the fret, clean up trimmed spot if needed, fold 'set' in half at etch center of mounting pins, insert into slot on body and glue in place.

If adding to a prebuilt model, one 'set' of the mounting pins will be removed to allow the lift lugs to be inserted and glued into one #76 hole. Remove a lift lug 'set' from the fret, clean up trimmed surface and bend 'set' in half. Holding the two halves together, carefully remove the bottom pin.

Time to add the rungs. On the fixture you will notice a couple half etch lines. Place a piece of the supplied wire in the etch line and cut the wire to the length of the etch line. Insert rung into matching holes and glue in place. Another option is to insert the wire into the matching holes with one side flush. Glue in place and trim to length. Repeat on remaining rungs. Soldering rungs in place is also an option if soldering is your thing.



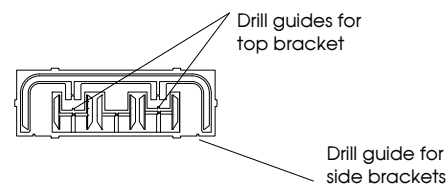
Installing ladder

Once ladder is assembled, four #78 holes will need to be drilled in the body for mounting the ladder. There are holes in the fixture that can be lined up on the end of the body and used to drill the holes. Another option is to temporarily tape ladder in place and drill holes through the holes in the ladder feet.

Using the supplied NBWs, insert one in each hole to hold ladder in place. And another option as to insert a NBW into one drilled foot hole to hold ladder in place, drill another hole, insert a NBW, drill - insert until all four are install and the ladder is attached.

Dynamic brake brackets

There is a fret of brackets that go in front of and behind/over the dynamic brake hatch. Really do not know what these are for but these parts can be added to represent those parts. The 'U' shaped bracket is applied just in front of the batten strip behind the dynamic hatch. To drill the mounting holes, tilt the U bracket 90 degrees on the



Remove any plastic lift lugs that may be on the shell of the model you are detailing. Drill a #76 hole where you will be mounting the new lift lugs. Insert into hole and glue in place.

You will notice if you look very closely, one pair of the lift lug sets have a small 'lump' near the top that is intended to represent a flag holder. If your model needs a flag holder on its lift lugs, these are the ones to use. If you will not be needing these flag holders, they can be removed by carefully running a file over them to file them off. Just work with light, slow passes and they will come off.

Adding new inspection doors

The new inspections doors can now be added. The doors with the single centered latch go in the front (short high hood). Position doors on ends but not even with shell edge (leave room for hinge) and hinge slots on the bottoms of door and glue in place. Glue a hinge to each slot. Position a latch top over the latch handle and glue in place.

Adding new Sunshades

The new brass sunshades will fit in the same holes as the plastic sun shades. You may need to trim the cast on drip rail to accept the brass sunshade. Carefully remove the brass shades from the fret. The sides bend down 90 degrees. The outer, long edge has a half etch lip that can rolled up to create a rain drip rail. This will have to be handled carefully! You will be able to form it by just pressing it up with your finger. Again, handle carefully. Insert mounting pins in holes and glue in place.

This completes the adding of these Southern details to your SD24 model. We have a couple of additional SD24 details available that you may also want to add. Stainless steel intake screens part number #14890 and brass corner and cab steps ##14924. Finish adding any other details you are planning to add. Touch up paint or paint as needed and enjoy. We thank you for using our product on your model. Please see your local hobby supplier for all of our photo etch details or visit us online.