

SD70ACU Assembly



Please take a look at the parts in your kit. Inspect for any damaged or defective parts.

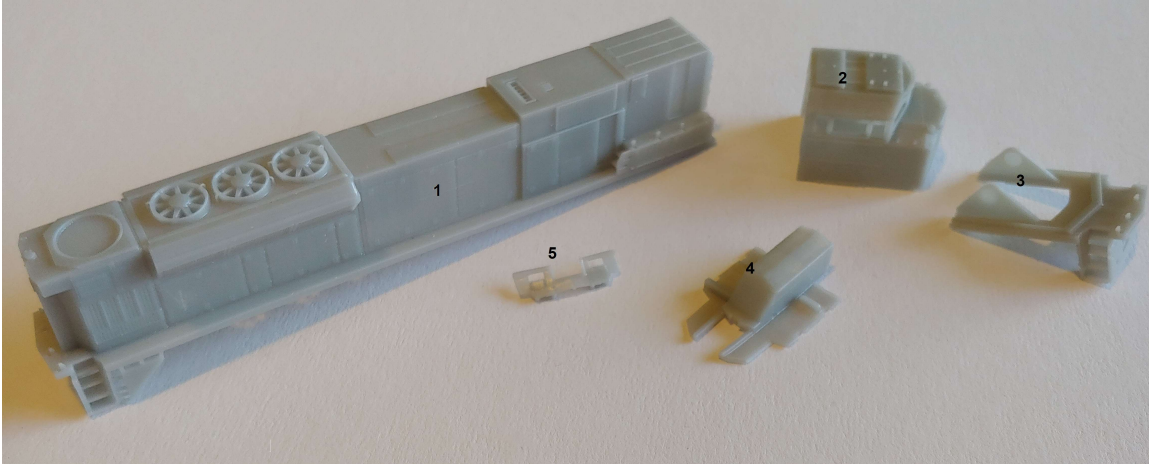
This kit is produced using 3d printed body parts, and nickel silver etched details. To assemble, the parts should all be glued together with CA glue. An Xacto knife blade is the best tool to apply the small amounts of CA necessary.

To complete the kit, you will need: 1x Kato SD90MAC chassis with frame and fuel tank plastic components, Micro Trains #10thick and thin CA glue, #8 drill bit and pin vise, Xacto #11 blade and chisel blade in handle, 400 and 600 grit sandpaper, masking tape, small piece of plexiglass, small piece of hardwood, flat jaw pliers, tweezers, and flush cutting sprue nippers.

It is recommended you read through the instructions to make sure you understand all steps prior to starting.

This is a diagram of the major parts included. Please study this briefly so you know what

all the parts are.



1 body

2 cab

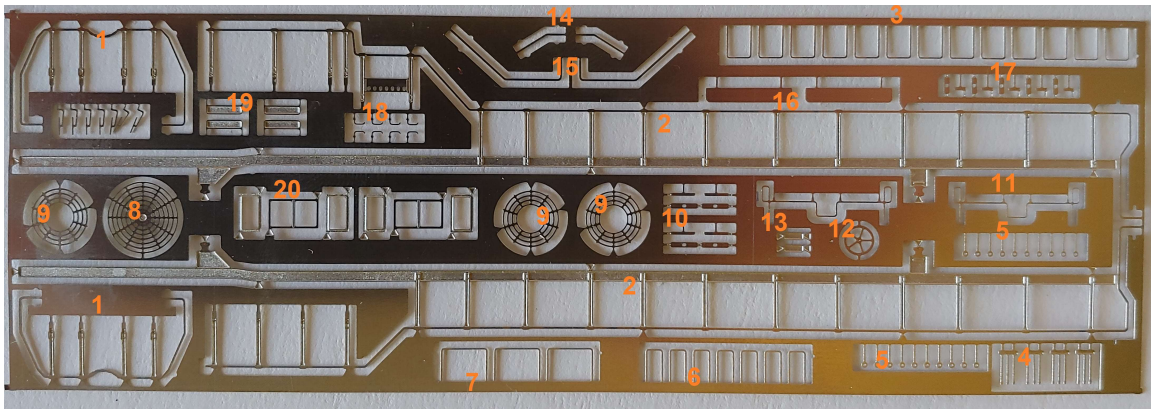
3 front deck

4 cab interior

5 plow

also not shown are ditch lights and MU stands

This is a diagram of the fret. This detail set needs to have the parts removed from it. The best way to do this is with an Xacto chisel blade on top of plexiglas. Prior to cutting with the chisel blade, firmly stick a small piece of masking tape to the back of the fret so the part doesn't go flying. When removing parts, almost make sure you leave the mounting pin on the part! ALWAYS remove the part directly next to the fret body, not directly next to the part. One feature of the etched parts- there are divots in the fret in numerous locations. If you place the fret on a piece of hard wood, and press down with a small flat blade screwdriver in this location, it will start the appropriate bend for you. For the grab irons which are in a row, align a ruler to the divots and press down on each part as appropriate. Pay attention to which way the parts need to be bent. Sometimes it is more appropriate to start the bend from the back, so simply flip the fret over so it is detail side down before starting the bend. The only mistake in the design on these parts that made it to the production items is, do not bend over the lower ends of the handrails or large step nose grab irons. These simply glue behind the step wells.



1. End handrail
2. Side handrail
3. Nose grab irons
4. MU hose assemblies
5. Lift rings
6. Rear hood end grab irons
7. Rear hood side grab irons
8. Dynamic brake fan grille
9. Radiator fan grilles
10. Sinclair antenna
11. Coupler cut levers
12. Brake wheel
13. Number boards
14. Cab grab irons (above number boards)
15. Front nose handrails
16. Sunshades
17. Locotrol antennas

18. Door handles

19. Cab wind deflectors

20. Cab side window frames

Remove the printed parts from the sprue, and also the support structure from the inside of the body parts. For these operations, use your flush cutting nippers, cutting one sprue attachment at a time. Sand the sprue marks with 400 grit sandpaper.

Test fit the cab interior into the cab, but do not glue this in.

Test fit the cab and hood together, and on the chassis. Once satisfied, glue the cab and hood units together.

Inspect the flat surfaces of the body shell. There are a few locations where print lines are noticeable, mainly on the back of the radiator wings, the anticlimber front and rear facing edges, the top of the nose, and the front of the nose. The ones on the nose are not that visible and will mostly disappear with paint. In any case, if you wish to smooth these areas, cover the details on the area with masking tape and use 600 grit sandpaper to polish.

For this next step, it may be easier to give the shell a light coat of primer paint. Vallejo surface primer is recommended. Drill the grab iron holes, lift ring locations, antenna locations, door handles, sunshades, cut levers, and holes for handrails on the front hood #80. Install these parts. To bend the cut levers, remove the part from the fret, hold the mounting bracket in your pliers, and twist up the ends. Drill the windshield wiper and wind deflector holes, but do not install these parts yet.

Install the fan grilles to the body assembly.

Install the brake wheel to the hood assembly.

Glue the plow in place, then install the MU hose assemblies on the pilot.

Paint the number boards, then install them to the front of the cab.

Glue the MU stands and ditch lights

Prior to painting, mask off the side sills of the hood assembly. If you paint these parts, they will not allow the etched side sill assemblies to adhere well. After painting the body and handrail units, remove the masking tape from the side sills, bend the handrail

assemblies as indicated by the fret divots, and glue them in place using CA glue. You will need to bend over the bottom of the handrail stanchions that fit behind the cab, so that the bottom of them fit into the angled holes, and secure the handrails in that area straight. To reiterate, the ends of the handrail units should simply glue behind the step wells. Also refer to photographs to see exactly how and to what shape the handrail ends should be bent to. There are many photos of these units on line.

Paint the cab interior and insert it.

Install the side window frames, windshield wipers, and wind deflectors, then install the window glass. Cut the window glass, so there is no black line left on the part you need to use.

This completes the assembly of your SD70ACu.