

Apollo Crawler End Structure – Assembly Instructions:

The End Structures are at the ends of the main structure, the portions that are open air and contains a fuel tank and radiators. Two of these structures are required. The end structures are assembled over the end decking of the crawler platform assembled earlier. The end structures consist of the following parts. Note that the parts list count is for one end structure. Double these number is required for the complete model.

- 1 – Side 1 Skin
- 2 – Side 1 Short Skin
- 1 – Side 1 Short Skin - Flipped
- 4 – End Inner Support Long
- 4 – End Inner Support Long - Flipped
- 1 – New Fuel Tank
- 2 – Fuel Tank Ladder
- 2 – Radiator Fan Side
- 2 – Radiator Radiator Side
- 2 – Fan motor
- 2 – Small Window Frame
- 2 – End Structure Bottom with Web (from Main Structure)
- 2 – End Structure Top No Web (from Main Structure)
- 3 – Capacity decals
- 3 – Hazard Label decals
- various – Radiator Pipes

The Side 1 Skin is glued to the outside end of the crawler platform. The Side 1 Short Skin – Flipped is then glued to the inside of the Side 1 Short Skin. A strip of 0.03” styrene needs to be cut to be the same size as the Side 1 Short Skin. This sheet is glued to the backside of the Side 1 Short Skin. Two holes for window are cut in the styrene and the window frames glued in. The other Side 1 Short Skin is cut in half by removing the center post. If you want you can take this part and modify it before printing. Two strips of 0.03” styrene are cut to glue to the outside of the crawler platform. These pieces should measure 65mm x 196mm in size. They but up to the corners of Side 1 Skin. The recently cut Side 1 Short Skins are then glued to the inside of these strips. Now the back panel is glued to the backside of the end decks and up against the short side skins. Use the End Structure Bottoms as a guide. The end structures will sit on top of all the short skins. Note: Do not glue in the End Structure Bottom/Top pieces yet. The End Inner Supports are glued to their corresponding flipped versions. Two of these are glued diagonally to each side of the end structure. The other two inner supports should be cut in half by removing the center poles. These four pieces are then glued in diagonally opposite the other two just glued in. Now glue together the fuel tank halves and the radiator halves as well as adding the fan motors.

Glue in the fuel tank in the center of the structure, using the End Structures as a guide. Glue in the radiators. Radiator pipes are now installed and glued to the deck floor. Once satisfied with the parts to date, glue together the two End Structure Top/Bottoms and then glue these to the structure. This completes the end structure. Repeat these steps on the other side.

Now is a good time to paint the structures and pieces. I used acrylic paints using an airgun. The styrene sheets need a primer for the paint to adhere. Use a light grey color. I painted the radiator grills

a flat black and masked off the grill faces with masking tape before painting the rest with grey.

Decals were made using a combination of an image captured from the internet and a simple sign made in a word processor, both scaled to size and printed on vinyl decal material.