

Apollo Crawler – Assembly Instructions:

The crawler itself consists of a main structural assembly, end structures, center structure, truck arms, cabs, trucks, walkways and interior detail. The order of assembly is as presented below.

Crawler Base:

Start by creating the base structure which consists of the Bottom Frame with Web, Bottom Frame with Web – Flipped and four sets of End Structure Bottom with Web and End Structure Top no Web. The following is a parts list for this bottom structure. On top of this four end decks are glued on top of the end structures. Between these end decks, cut out and glue a large sheet of 0.03” styrene. This styrene forms a floor upon which the internal equipment is placed.

- 1 – BottomFrameWithWeb
- 1 – BottomFrameWithWeb – Flipped
- 4 – EndStructureBottomWithWeb
- 4 – EndStructureTopNoWeb
- 4 – EndDecking
- 12 – FloorVent
- 1 – 1'x2' styrene

The floor vents need holes cut out of the styrene in exact locations. These locations are based on the underside framing. Some of the holes have to be exact to fit between various I-beams. Start by drilling holes inside the corners, then cut out the rectangle connecting the holes. The holes can now be carefully enlarged to just fit the vent. The vents are glued from the top with the flanges covering any hole irregularities.

End Structures:

The end structures are documented separately. Each end of this platform gets an end structure, assembled on top of the end decking. The end structures are identical.

Center Structure:

The center structure is documented separately. This portion consists of the interior cross supports and walls with doors and windows.

Truck Arms:

The truck arms are documented separately. There are four identical truck arms. Start by assembling the truck arms and add the detail.

Interior Details:

The interior details are documented separately.

Walkways:

The walkways are documented separately. Start by adding the cable trays around the main structure.

Truck Arms:

The truck arms should now be glued to the main structure.

Cabs:

The cabs are documented separately. They should be added now.

Walkways:

The walkways are now added before adding the trucks themselves.

Crawler Base:

Now is a good time to add the four muffler to the bottom of the main structure. Here is a list of the parts.

- 2 – Muffler half top type 1
- 2 – Muffler half bottom type 1
- 2 – Muffler half top type 2
- 2 – Muffler half bottom type 2

Trucks:

The trucks are documented separately. There are four identical trucks that attach to the Truck Arms. Start by gluing the trucks to the arms. Now the wires need to be routed via the truck arm cable trays to the main cable trays.