



HO Structure Kit

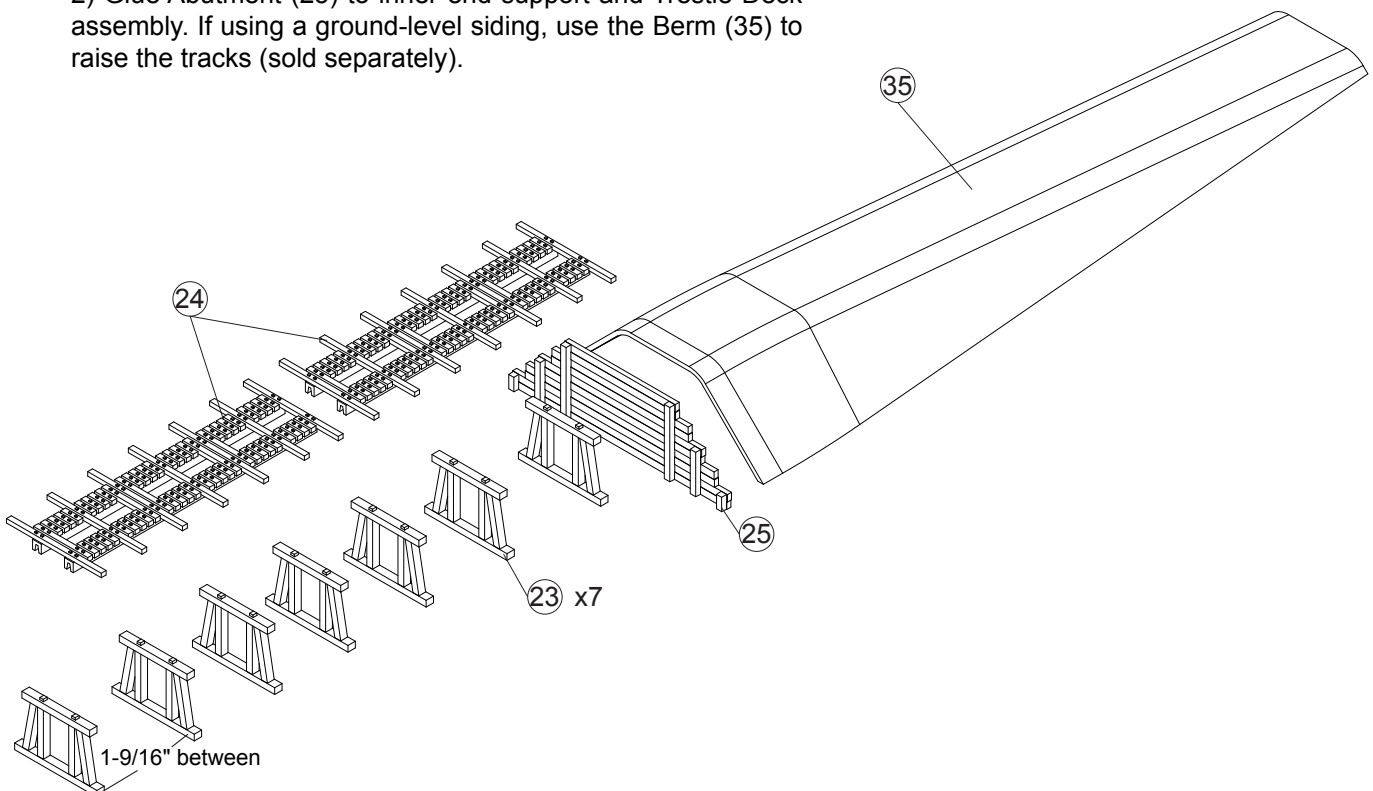
COAL TRESTLE

933-4093

Thanks for purchasing this Cornerstone® kit. All parts are styrene plastic, so use compatible paint and glue to finish and assemble your model. Please take a few minutes to read these instructions and study the drawings before starting.

For much of the 20th century, coal was the fuel of choice for home heating and industrial use, purchased in bulk from local coal dealers. As most communities were considerable distances from the mines, dealers purchased various grades and sizes of coal by the carload for delivery by rail. On arrival, this presented problems if the dealer delayed unloading; railroads wanted their own cars back earning money, and wanted to return cars owned by other roads as soon as possible to avoid daily use charges. To speed the process, railroads designed and built elevated unloading trestles at many coal yards. Using a natural or man-made elevation to raise the tracks, hoppers could be unloaded in minutes using gravity, and the open space below the trestle provided convenient storage. Many warm weather businesses such as lumber yards and grain elevators with rail service also had ramps of this type and sold coal during the winter months. Designed for easy construction and installation in new or existing scenery, your model will be right at home on a layout from the 1920s to the late 1950s. For additional details to complete your scene, visit your local hobby dealer, check out the current Walther's HO Reference Book, or visit us online at walthers.com.

- 1) Glue Trestle Decks (2x 24) together. Glue the first Trestle Support (23) directly below this joint. Glue Trestle Supports to each end of the Trestle, making sure they're even with the edges of the Deck assembly. Determine which will be the outside edge; glue a Trestle Support in place 1-9/16" (3.9cm) from the outside end support as shown. Glue the remaining supports to the Deck, under the triple cross ties.
- 2) Glue Abutment (25) to inner end support and Trestle Deck assembly. If using a ground-level siding, use the Berm (35) to raise the tracks (sold separately).

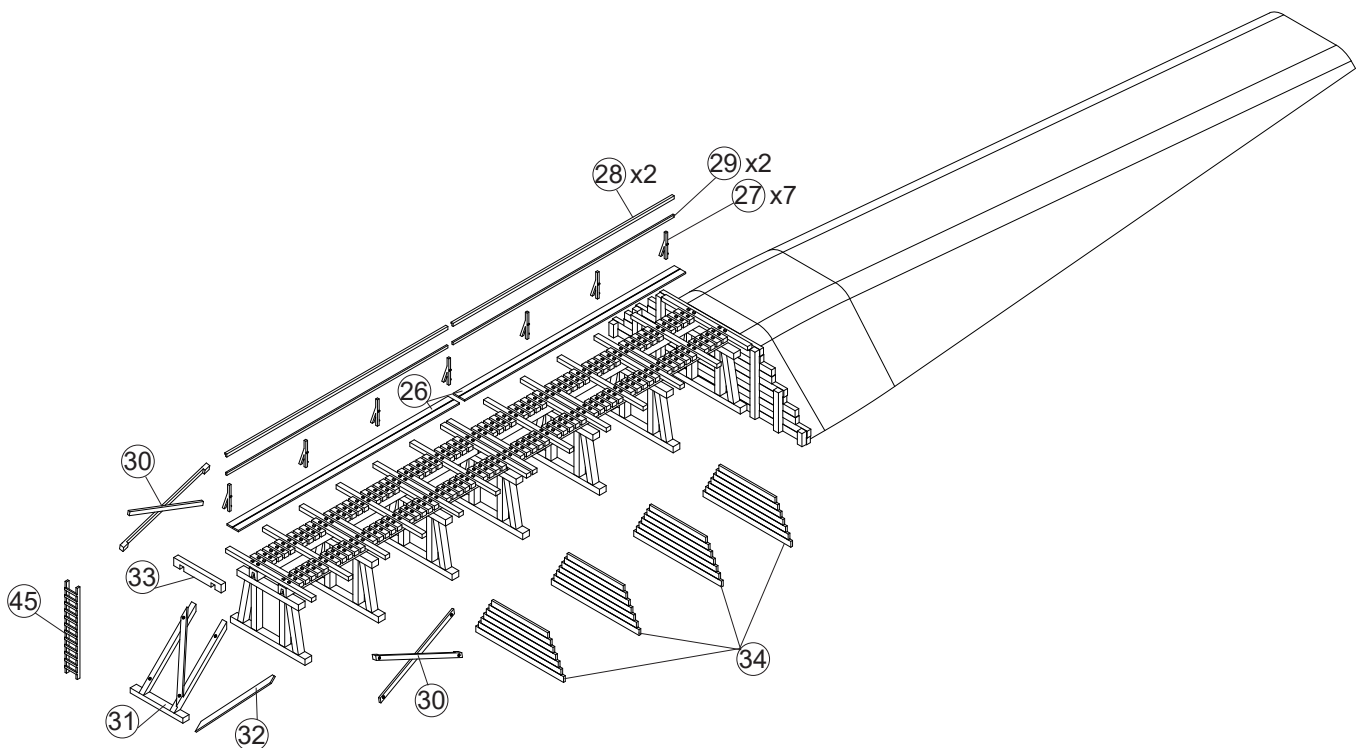


3) Glue Braces (30) between outside end supports as shown. The end brace can be left off until your trestle is placed on your layout; assemble it by gluing Lower Brace (32) to End Brace (31) and to Trestle. Glue Track Bumper (33) to end of deck.

4) Note the small locating pins on the faces of Railing Supports (27) should face inward (toward the deck). With the end of the diagonal brace even with the end of the long tie, glue Supports in place. Place Walkways (4x 26) against Railing Supports and glue to Deck. On the Top Railings (2x 28) make sure the long leg is vertical; with the short leg of the "L" facing outward, glue the Top Railings to the tops of the Supports. Using the locating pins on the Supports as a guide, glue the Middle Railings (2x 29) above these pins. Install walkway on both sides of trestle if desired.

5) If desired, Bulkheads (4x 34) can be glued between the supports; this was done on the prototype to separate various grades of fuel and/or building materials. Place the Ladder (45) in a location of your choice.

6) Adding Track: If you'll be using the Berm, a continuous section of rail with no joints will help prevent misalignments or abrupt vertical bends where the Deck meets the Berm; we suggest using a length of flex track with ties removed from one end or individual pieces of rail (each sold separately) for this step. Using the spike heads as a guide, glue rails in place on the Deck using a water-based contact or CA-type cement. Flex track with ties can also be glued to the Berm if desired, using these adhesives.

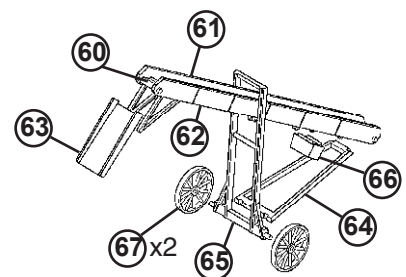


LARGE CONVEYOR

1. Glue the conveyor sides (61, 62) to the belt (60). Glue the motor box (66) underneath the belt in between the little knobs on the bottoms of the sides. Glue the chute (63) onto the conveyor assembly.

2. Slide the conveyor assembly through the top of the upright (65) and glue it to the middle horizontal bar. Glue the bottom brace (64) to the upright as well as to the bottom of the conveyor.

3. Glue the wheels (67) to the upright.



SMALL CONVEYOR

1. Bend up the end of the unloader belt (68), at the groove underneath, and glue to the ridges on the insides of the sides (69, 70). Glue the motor box (71) in front of the nubs on the top of the sides.

2. Glue the wheels (67) onto the sides.

