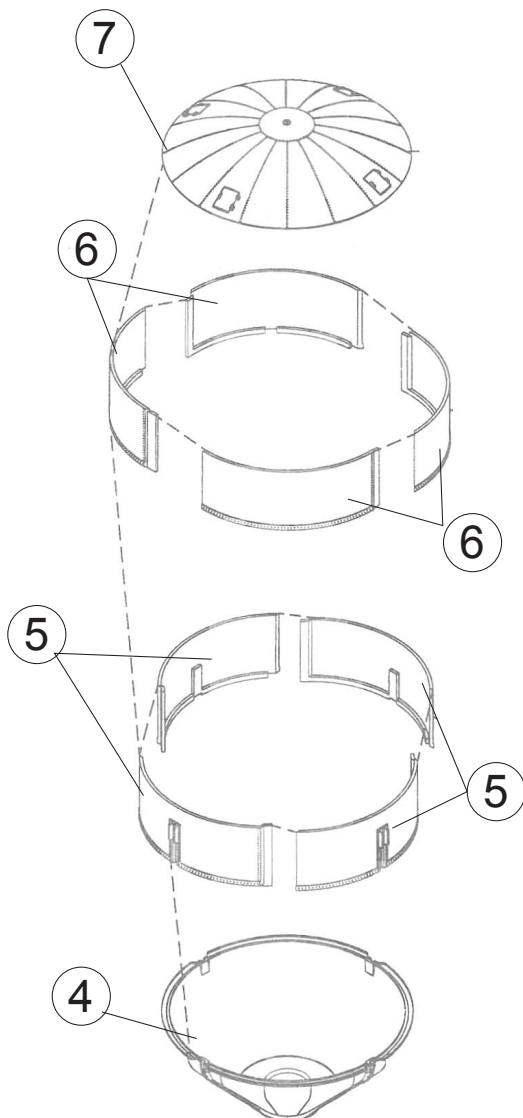




N Structure Kit STEEL WATER TANK 933-3817

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

The introduction of the 2-8-4, 4-8-4 and simple articulated steam locos in the 1920s allowed railroads to move heavier trains over longer distances, but bigger power also had a big appetite for fuel and water. Bigger tenders were used to speed schedules by eliminating station and water stops, however existing service facilities were often hard pressed to keep up. With steel becoming a common building material, it was adapted for a new generation of higher-capacity water tanks. Cheap to build and easy to maintain, most were constructed by riveting and caulking steel plates together, which also simplified repairs or a complete disassembly if the tower had to be removed. In colder areas, the underside of the roof was sometimes insulated with wood to reduce the chances of freezing. Tanks were painted to resist rust and corrosion, but dark colors also kept them warmer. As they were big, and space was often at a premium, new steel tanks were sometimes built well away from their usual spot at trackside and lacked traditional spouts. Water columns were then erected wherever they were needed, each connected to the central tank by a 12" (30.4cm) diameter pipeline to deliver up to 6000 gallons (22712l) per minute. At coaling towers, the column would be placed to allow engines to take water at the same time; some had columns at each end to serve trains heading in either direction, and some yards had separate columns in different locations to serve road and switch engines. While diesels needed only a few hundred gallons of water for cooling or steam generators, steel water tanks at bigger terminals were often put to work supplying water for fire protection, wash racks and similar purposes. In use from the 1920s on, with some still standing today, your new model is ideal for detailing everything from a remote water stop, or the service tracks in a major terminal. Parts are included to build a pair of water columns, each approximately 10" (25.4cm) in diameter; the prototypes could supply about 4000 gallons (15142l) of water per minute, making them ideal for medium and large steam locos. A trackside oil column is also provided for refueling oil-burning locos. See your dealer, the current Walther's Model Railroad Reference Book or walthers.com for additional details to complete your scene.



1) Glue Water Column Bases (2x 17) to Platforms (2x 18). Note the small operating levers molded on the Water Columns (2x 19) and the Oil Column (21); remove these parts carefully from sprue to avoid breakage. The Water and Oil Columns may be inserted into their bases so they can be turned, or glued in place if desired. The finished columns can be placed at any convenient trackside location and were often some distance from the tank itself.

2) PLEASE NOTE: Align leg-mounting points on Lower Tank Sections (4x 5) with notches in Tank Bottom (4) as shown. The outside edge of each Tank Section overlaps the mounting point on the inside edge. Align and glue sections together where edges meet; align completed lower assembly as shown and glue to Tank Bottom (4).

3) PLEASE NOTE: Align Upper Tank Sections (4x 6) as shown. The outside edge of each Tank Section overlaps the mounting point on the inside edge. Align parts and glue together where edges meet.

4) For more realism, stagger the riveted joints of the upper and lower sections then glue completed Upper to Lower tank section assembly. Note correct alignment and glue Roof (7) to tank assembly.

