



# Korber Models

Scale Model Railroad Structures

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## Model 305A O Scale Sanding Tower

### Instructions

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### Introduction

Congratulations, you have purchased the Korber Models #305A Sanding Tower. The Sand Tower is one of the new and updated Korber O Scale kits. This structure represents a common feature of thousands of engine service areas seen along the tracks all across the nation.

You can follow the simple, step by step instructions outlined in this document to easily assemble this great looking addition to your layout.

Before you start you may want to read through the instructions to get a feel for the things you will be doing, and the basic order in which they will be done. You are on your way to adding a centerpiece to your layout, so let's get started!

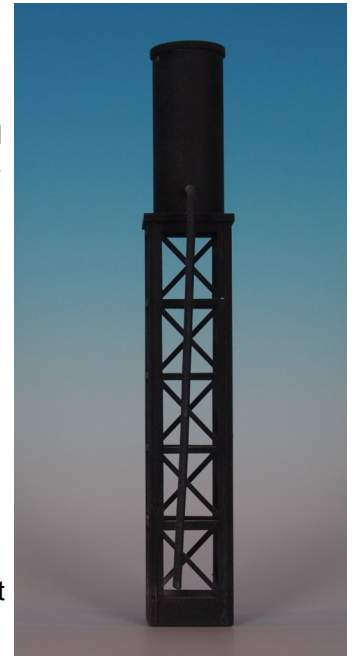
### Parts list – (What's in the box)






Take a few minutes to locate all the parts in the box to make sure you have all the pieces you will need and that the quantities are right. You may also want to spread these parts out so that you have a small separate stack of each part to make it easy to find each as you start the assembly process. If you are missing anything, please contact us so we can get you any of the missing items.

### Materials needed – (What else might I need that is not included)

The Korber #305A Sanding Tower, like any kit, requires a few additional items to complete the construction. We have included a list here, including some color and brand suggestions based on our experience; however you may use any product that fits the function.

- Flat Black (Camouflage Black) for the sand tower & pipes
- Cyanoacrylate (CA) glue. Also known as Super Glue, Gorilla™ super glue works well  
We really like the new Gorilla brand super glue because it is thicker than most super glues, and allows you to put in on a seam while holding the part in your hand, and will not run when you turn the seam on the side to put two pieces together. This glue is available in most retailers, including the larger home improvements stores
- CA glue accelerator (optional) turns any CA glue into quick set glue
- Testor's Dull-cote™ (optional) and Small clamps (optional)



Qty	Description	Qty	
4	Sand Tower leg—side 	1	Sand Tower Top Plate—Rectangular 
1	Sand Tower Tank 	1	Sand Tower Tank Top—Round 
24"	Sand Tower Piping—Wire 		

# 1 - Parts preparation & painting

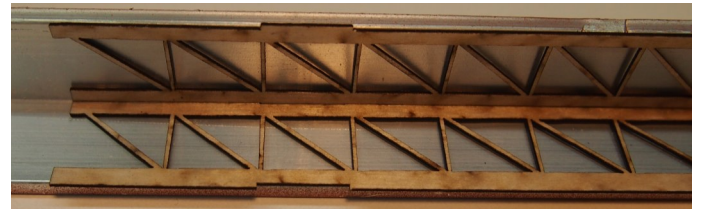
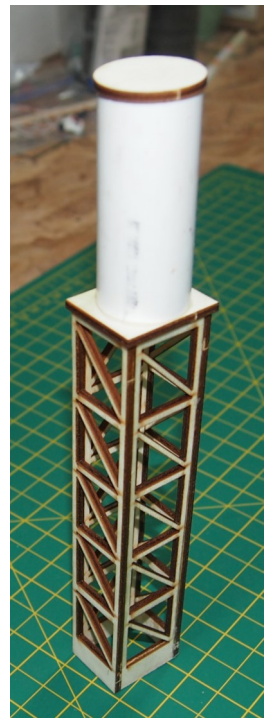
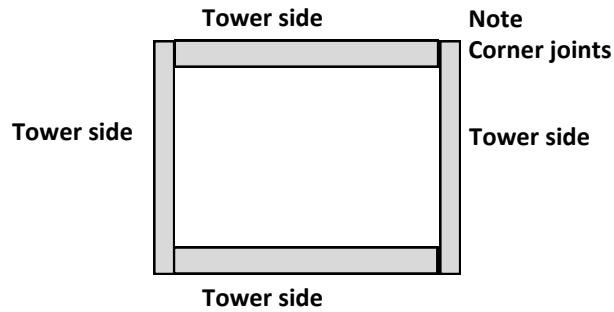
Look over all the laser cut parts and remove them from the wood sections. These parts can quickly be removed with a razor type knife.

# 2 - Assembly of Sanding Tower

The tower is made up of a four tower legs and topped with a rectangular platform and cylinder .

- The tower legs/sides are all the same; however, do pay close attention to make sure the angle cross braces on the sections are going in the same direction: high at the left side, and lower on the right. The parts will fit either way, but the cross brace pattern can get out of sync with the next side. See the picture on the right.
- Glue two sections together to form a right angle aligned at the corners, following the diagram below.
- You may find using a right angle piece of material, or even a square piece wood secured to your workbench provides a nice guide to get a clean joint of the two sides.
- Repeat this step for two additional sides to create a four sided tower.
- Glue the rectangular sand tower top plate to the top of the four sided tower.
- Glue the cylindrical sand tank to the top of the sand tower top plate.
- Glue the round sand tank top to the top of the sand tank. You may want to use small clamps to hold the pieces together while the glue dries.
- Drill a 1/8" hole in the base of the sand tank on one side.
- Cut a piece of the sand tower piping—(wire) 10" long and bend to match the shape of the outline to the right, This represents the pipe/-hose used to fill the locomotives sand box. Once the part is formed, insert the short end into the hole and glue in to place, using the photo of the completed kit on the first page of these instructions as a guide.
- If you intend on placing the tower directly next to the sand house, repeat the previous step, but drill the hole at the top of the sand tank on the side of the tower that will be placed up against the building. This is where an additional pipe/wire will attach in a later step.
- Once complete, paint the entire tower and pipes flat black.
- Once the paint is dry can spray the completed structure with Dullcote to remove any gloss or shine.

Top View



Form 10" wire to this shape for sand pipe/hose

# 3 - Placement of Sanding Tower

The #305A Sanding Tower can be placed on the layout either with the tower adjacent to the Sandhouse or remotely from the sand house. In either case the tower needs to be glued to the layout so that it does not tip over.

- If you place the tower adjacent to the sand house, the top pipe you installed in the tower build needs to be attached to the roof of the sandhouse. Align the tower next to the sand house, and mark the spot on the roof where the pipe attached to the top of the sand tank meets the roof. Drill a 1/8" hole at the spot you marked, insert the top feed pipe into the newly drilled hole and glue in to place.
- If you want to mount the tower remotely from the sandhouse, form another pipe using the guide in the tower step, from the remaining longer piece of wire (approx. 14"). Drill a 1/8" hole at the top side of the sand tank, insert the newly formed pipe and glue in to place. This newly attached pipe extends below the base of the tower, trim the pipe to match the base of the tower as this pipe will also be glued to the layout.

