

*RAIL KING*  
By MTH Electric Trains

**M.T.H.**  
ELECTRIC TRAINS®

7020 Columbia Gateway Drive  
Columbia, MD 21046-1532

[www.mth-railking.com](http://www.mth-railking.com)



Operating  
**Coaling Tower**

# Unpacking and Assembly

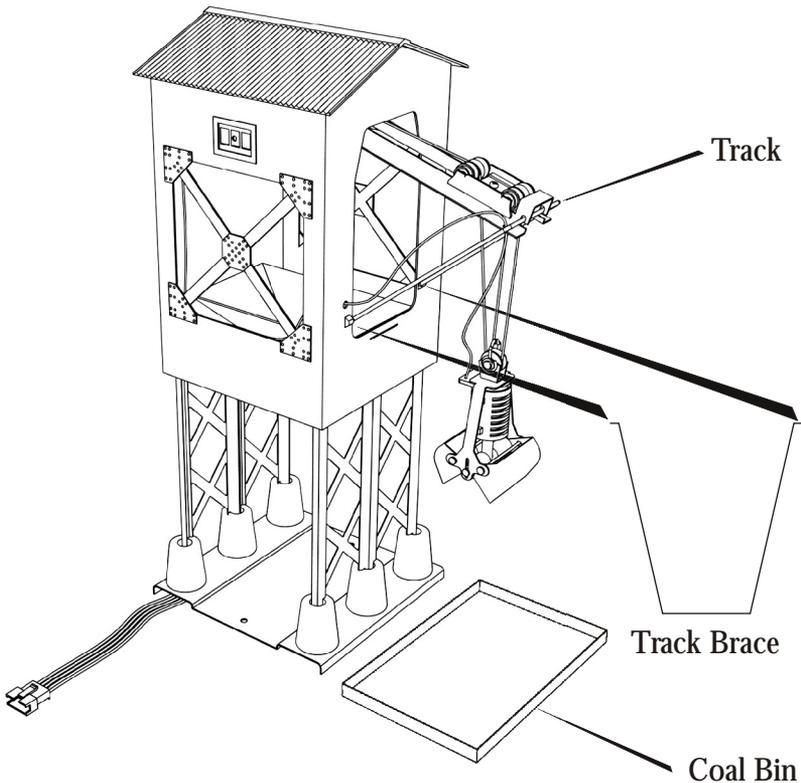
The RailKing Operating Coaling Tower arrives requiring minimal assembly so you can get your coal rolling quickly. Follow the below diagrams to complete the assembly of the coal tower.

**Caution:** The roof is not permanently attached to your Coaling Tower. Please use caution when handling your Coaling Tower

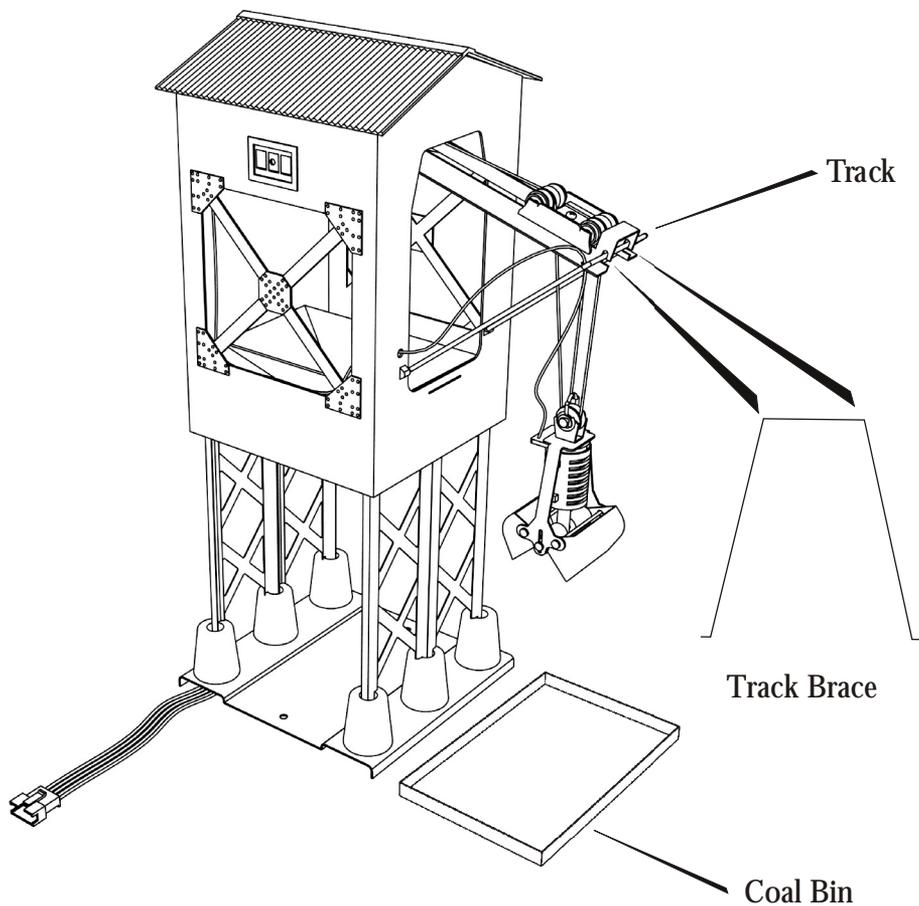
## Parts List:

Coaling Tower  
Coaling Tower Track Brace  
Coal Bin  
Controller

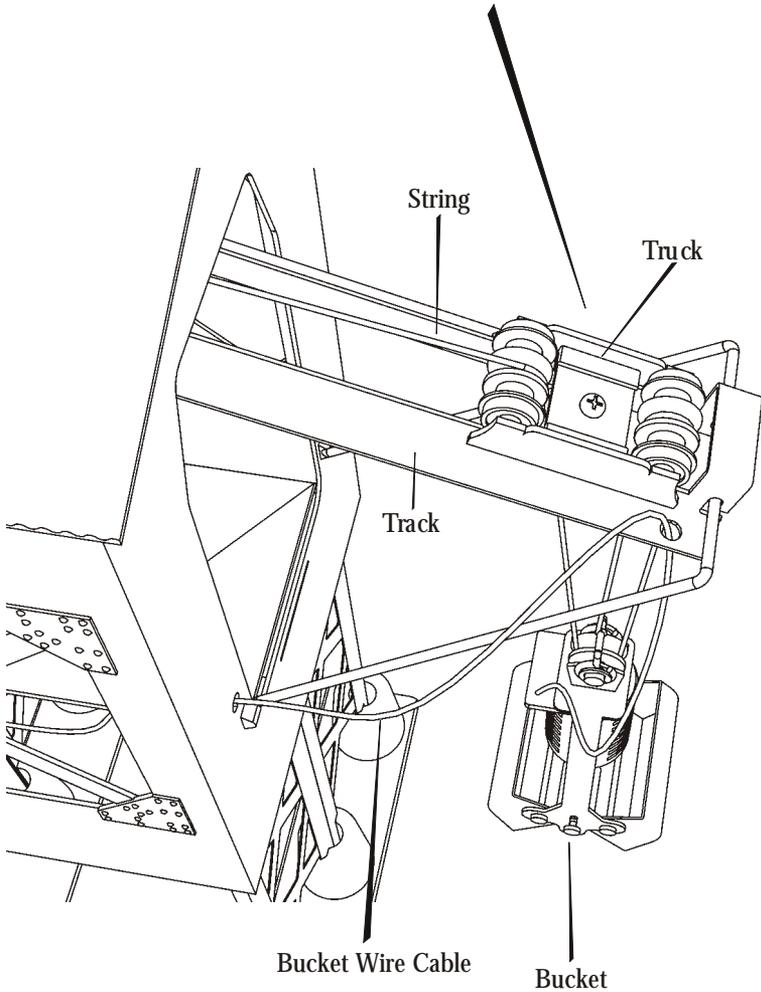
1. Insert each end of the track brace into the slots on either side of the opening in the tower.



2. Insert narrow portion of track brace into slot on end of track



3. Make sure that truck is seated properly on track



4. Check string to ensure that it is properly threaded around the pulleys in the truck, inside the tower at the motor, and on the bucket.

5. Lay track underneath of tower.

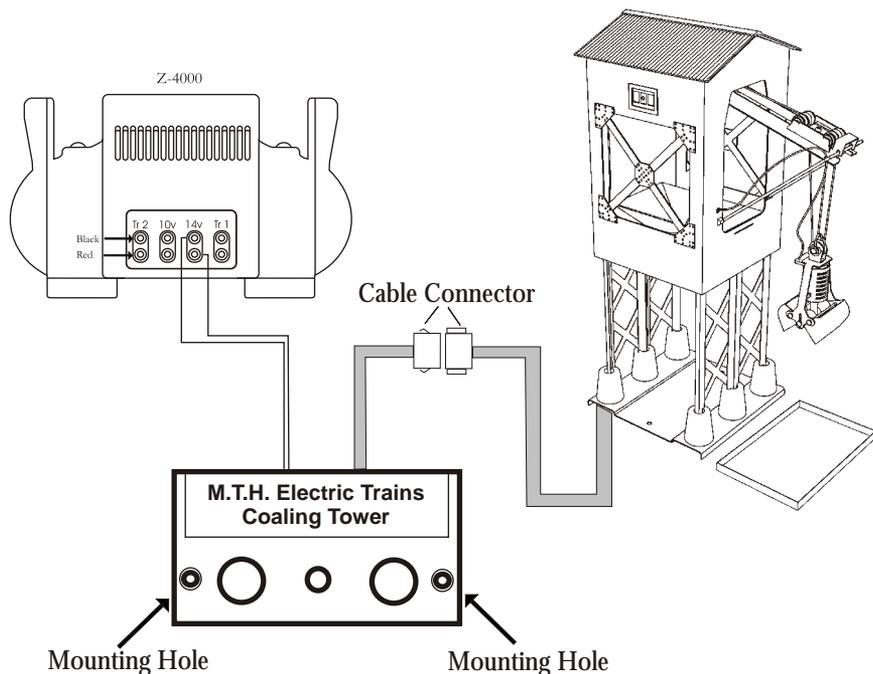
## Note:

1. Make sure that your track is centered under the coal hopper and that the coaling tower is located within a straight section of your layout far enough away from any bends or curves so that long locomotives and cars may clear the tower when entering or leaving the tower.
2. Remember to leave room beside the coal tower for the coal bin.
3. The coaling tower will operate with all types of O gauge track, however some shimming may be necessary to properly fit and level the track.
4. Check the clearance of your engines and rolling stock to ensure they will clear the bottom of the coal hopper and tower sides.  
Refer to the chart below for maximum allowable heights with a variety of track brands.

### Height from Top of Rail to Bottom of Coal Hopper Door

Track	Clearance (inches)
M.T.H. RealTrax <sup>®</sup>	4.50
M.T.H. ScaleTrax <sup>®</sup>	5.00
Atlas	5.00
Lionel 0	4.75
Lionel 0-27	5.00
Ross	4.75

# Basic Wiring Diagram



The RailKing Coaling Tower features a connector in the wire-cable between the controller and the tower that allows the wire-cable to be routed out of sight underneath your layout without having to alter the cable or your layout. To run the wire-cable underneath your layout, simply drill a  $\frac{3}{4}$ " hole in your layout at the point the tower is to be installed and insert the tower's cable into that hole. The provided wire-cable runs a total of four feet, allowing for placement at virtually any spot on your layout.

## Note:

The Coaling Tower requires a minimum of 14 volts AC to operate. Maximum voltage is 16 volts AC.

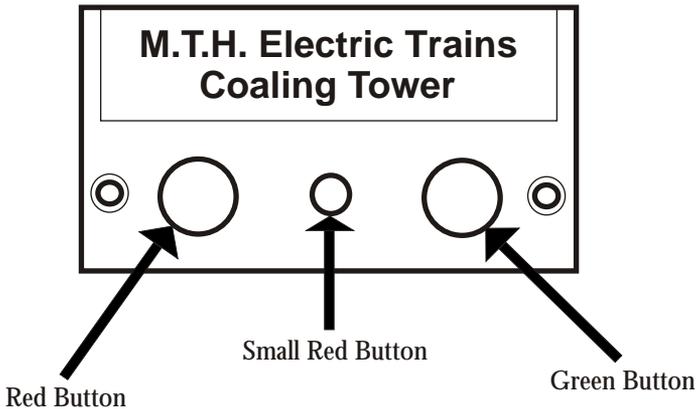
# Operating Instructions

1. Fill the coal bin with M.T.H. Bag of Coal (item no. 30-50005) (not included)
2. The coaling tower controller is equipped with three pushbutton switches that control the operation of the coaling tower. They function as follows:

**Red** Two step button that when pressed  $\frac{1}{2}$  down closes the jaws of the bucket and when fully depressed raises the closed bucket into the tower.

**Small Red** Opens the coal hopper doors inside the tower to dump the coal

**Green** Push and hold to lower the bucket to the coal bin.



## Notes:

1. The Red button needs to be pressed firmly to reach the fully depressed position to allow for the smooth operation of lifting the bucket.
2. Release the Red button as soon as the bucket has cleared the wall of the tower- drawing the bucket too far inside the tower may cause the truck the bucket rides on to come off its track.
3. The wire-cable to the bucket may get caught in the track during operation. Care should be taken to ensure a clear path (refer to sketch on page 4).

## How to Get Service Under the Terms of the Limited One-Year Warranty

For warranty repair, do not return your product to the place of purchase. Instead, follow the instructions below to obtain warranty service, as our dealer network is not prepared to service the product under the terms of this warranty.

1. First, write, call or FAX M.T.H. Electric Trains, 7020 Columbia Gateway Drive, Columbia, MD 21046, (Tel: 410-381-2580; FAX : 410-423-0009; e-mail: [service@nth-railking.com](mailto:service@nth-railking.com)), stating when it was purchased and what seems to be the problem. You will be given a return authorization number to assure that your merchandise will be properly handled upon its receipt.
2. CAUTION: Make sure the product is packed in its original factory packaging including its foam and plastic wrapping material so as to prevent damage to the merchandise. The shipment must be prepaid and we recommend that it be insured. *A cover letter including your name, address, daytime phone number, e-mail address (if available), Return Authorization number, a copy of your sales receipt and a full description of the problem must be included to facilitate the repairs. Please include the description regardless of whether you discussed the problem with one of our service technicians when contacting M.T.H. for your Return Authorization number.*
3. Please make sure you have followed the instructions carefully before returning any merchandise for service.

## Limited One-Year Warranty

**All M.T.H. products purchased from an Authorized M.T.H. Train Merchant are covered by this warranty.**

See our website at [www.mth-railking.com](http://www.mth-railking.com) or call 1-888-640-3700 to identify an Authorized M.T.H. Train Merchant near you.

M.T.H. products are warranted for one year from the date of purchase against defects in material or workmanship, excluding light bulbs and traction tires. We will repair or replace (at our option) the defective part without charge for the parts or labor, if the item is returned to M.T.H. Electric Trains within one year of the original date of purchase. This warranty does not cover damages caused by improper care, handling, or use. Transportation costs incurred by the customer are not covered under this warranty.

Items sent for repair must be accompanied by a return authorization number, a description of the problem, and the **original sales receipt from an Authorized M.T.H. Train Merchant**, which gives the date of purchase. Call 410-381-2580, fax 410-423-0009, or e-mail the Service Department at [service@nth-railking.com](mailto:service@nth-railking.com) to obtain a return authorization number.

This warranty gives you specific legal rights, and you may have other rights that vary from state to state.

Service Department  
M.T.H. Electric Trains  
7020 Columbia Gateway Drive  
Columbia MD 21046-1532