

Tinplate 840 Powerhouse

OPERATOR'S MANUAL



PLEASE READ BEFORE USE AND SAVE

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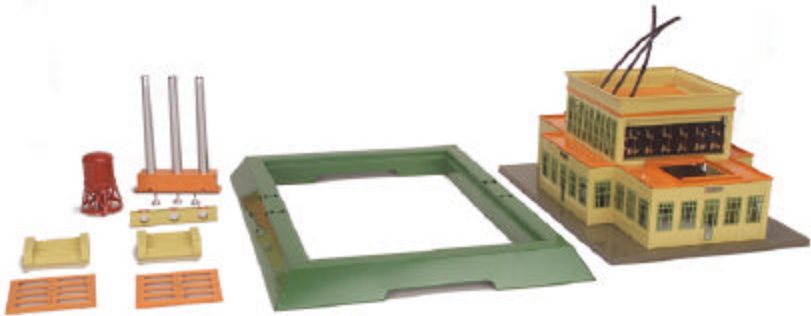
CAUTION: ELECTRICALLY OPERATED PRODUCT:

Not recommended for children under 10 years of age. M.T.H. recommends adult supervision with children ages 10 - 16. As with all electric products, precautions should be observed during handling and use to reduce the risk of electric shock.

WARNING:When using electrical products, basic safety precautions should be observed, including the following: Read this manual thoroughly before using this device.

- M.T.H. recommends that all users and persons supervising use examine the hobby transformer and other electronic equipment periodically for conditions that may result in the risk of fire, electric shock, or injury to persons, such as damage to the primary cord, plug blades, housing, output jacks or other parts. In the event such conditions exist, the train set should not be used until properly repaired.
- Do not operate your layout unattended. Obstructed accessories or stalled trains may overheat, resulting in damage to your layout.
- This train set is intended for indoor use. Do not use if water is present. Serious injury or fatality may result.
- Do not operate the hobby transformer with damaged cord, plug, switches, buttons or case.

Assembly



Smoke Stacks

1. Carefully remove the number 840 Powerhouse and styrofoam packing from the container.

2. Make sure all three hoses from the smoke unit are sticking up from the roof. One hose in each hole in the roof should be visible. If the ends of the hoses are inside the building. Reach in through one of the openings below the skylights and thread the hose through the openings in the roof for the smokestacks.



3. Make sure the special locking screws for the smokestack are aligned so that the straight sides of the heads are facing each other.

4. Thread one hose into each smokestack.

5. Make sure the ends of the hoses stick out of the top of the smokestack.

A pair of needle-nose pliers may be needed to grab onto the hoses and guide them through the top of the smokestacks.



Assembly

Smokestacks (cont'd)

7. Turn the smokestack locking screws ½ turn to lock the smokestack assembly into place.



8. Place the MTH sign down over the smokestacks until it fits snug. Be careful not to scratch the painted surface of the smokestacks.

9. Carefully insert a smokestack cap into the end of each hose sticking out of the tops of the smokestacks. A pair of needle-nose pliers may be needed to hold the hose while attaching the smokestack cap.



10. Once the cap has been connected to the hose, insert the cap into the smokestack. The hose may have to be pulled back down the smokestack slightly to help ensure the smokestack cap fits tightly into the smokestack. Reach through the skylight openings to grab the hoses if necessary.

Assembly

Water Tower

The water tower is attached to the roof using tabs and slots. The location of the tabs and slots are keyed.

1. Locate the slots on the roof and align the tabs on the water tower.
2. Carefully insert the tabs down into the slots.



Base and Stairs

The number 840 Powerhouse can be lifted and set into the green base. If you elect to use the base, the stairs can be attached by aligning the pins on the underside of the stair assembly to the round holes in the base.



Skylights

Two removable skylights provide access to spaces originally intended to hold a transformer. The skylights can be installed or removed by sliding the skylight toward the front or rear of the 840 Powerhouse.

The skylights must be oriented with the bumps on their edges aligned with the slots on the roof.

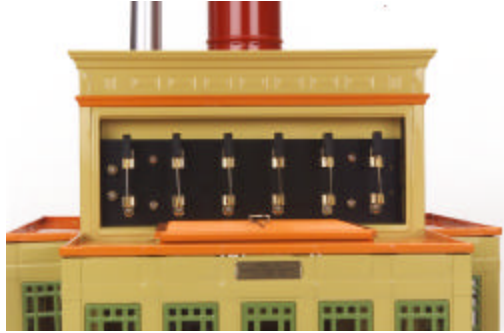


Operation

The #840 Powerhouse is equipped with an interior light and a smoke generator. Operating voltage is between 10 and 18 volts.

The interior light is on anytime power is applied to the threaded terminal on the side of the superstructure.

The smoke generator can be turned on or off by opening or closing the switch next to the threaded terminals in the switch bank attached to the side of the superstructure.



To operate the smoke unit, add 25 - 30 drops of smoke fluid. Drip the fluid into any one of the three smokestacks. While any of the three stacks can be used for filling the smoke generator, it is recommended that only one stack be used for filling at any given time. **DO NOT** add smoke fluid to all three smokestacks at once in order to prevent overfilling of the smoke generator. Excessive smoke fluid in the generator will inhibit smoke operation.

DO NOT operate the smoke unit without sufficient smoke fluid in the generator chamber. The wicking in the smoke generator will harden if operated without sufficient fluid. This can cause the heating element to burn out.

The smoke fluid tubes may become clogged with condensed smoke fluid from time to time. If this occurs (as evidenced by diminished smoke in any one of the stacks), gently blow into the smoke fluid tube. If desired, an empty squeeze bottle could be used to force air down through the tube(s).



Operation

Additional switches are provided on the switch bank for controlling other accessories on a layout. The accessories can be connected to these knife switches by connecting the accessory controller wires via the screws on the switch panel. See the specific wiring instructions included with your accessory for more information on wiring.

Service & Warranty Information

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

For warranty repair, follow the instructions below to obtain warranty service.

1. First, e-mail, write, call or fax an Authorized M.T.H. Service Center in your area or M.T.H. Electric Trains to obtain Repair Authorization. You can find the list of Authorized Service Centers on the M.T.H. website, www.mth-railking.com. Authorized Service Centers are required only to make warranty repairs on items sold from that store; all other repairs may or may not be done at the store's own discretion. Otherwise, contact M.T.H. (fill out the Service Contact form in the Service Section of www.mth-railking.com; send US mail to the address listed below; tel: 410-381-2580; fax: 410-423-0009), stating when the item was purchased and describing the problem. If you contact M.T.H., 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 a service technician when contacting the Service Center or M.T.H. for your Return Authorization.

Limited One-Year Warranty

M.T.H. products are warranted for one year from the date of purchase against defects in material or workmanship, excluding wear items such as light bulbs, pick-up rollers, batteries, smoke unit wicks, 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 an Authorized M.T.H. Service Center or 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 a copy of the original sales receipt from an Authorized M.T.H. Train Merchant, which gives the date of purchase. If you are sending the item to M.T.H., fill out the Service Contact form in the Service Section of www.mth-railking.com; send US mail to the address listed below; call 410-381-2580, or fax 410-423-0009 to obtain a return authorization number. If you are sending this product to an Authorized Service Center, contact that Center for their return authorization.

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, Maryland 21046-1532

7020 Columbia Gateway Dr. - Columbia, MD 21046
Information: 410-381-2580 Fax: 410-381-6122
www.mth-railking.com

PARTICIPATING RETAILER LIST

ALABAMA

SOUTHERLAND STATION
 HUNTSVILLE
 256-533-4720
railway@bellsouth.net

ARIZONA

ARIZONA TRAIN DEPOT
 ME SA
 480-833-9486
sales@arizonatraindepot.com
www.arizonatraindepot.com/

CALIFORNIA

DOLLHOUSE, TRAINS & MORE
 NOVATO
 415-883-0388
kbecker@cmc.net

TIN PLATE JUNCTION

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 510-444-4780
TOYTRAINS@email.msn.com

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 WESTMINSTER
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mizelltrains@cs.com
www.mizelltrains.com

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 SHELTON
 203-924-8761
adrian@clearlight.com
 NEW ENGLAND HOBBY SUPPLY
 MANCHESTER
 860-646-0610
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DELAWARE

K R R B MODEL TRAINS INC.
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trainconnection@aol.com

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SAMUELSON'S TRAIN SHOP

VALPARAISO
 219-462-2708

LOUISIANA

AMERICA'S TRAIN YARD
 BATON ROUGE
 225-926-5592

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WHEELS, WINGS & THINGS
 LUDLOW
 207-532-6277
irc44@javanet.com

MARYLAND

ENGINE HOUSE HOBBIES
 GAITHERSBURG
 301-590-0816
luccicerise@aol.com

J & B TRAINS

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 240-420-4930

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 301-694-7395

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 978-532-1615
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