

TINPLATE TRADITIONS
By MTH Electric Trains

No. 9 Pay-As-You-Enter Trolley

OPERATOR'S MANUAL



TRADITIONAL MODEL

Compatibility

This engine will operate on any traditional 42" Standard Gauge tubular track system, including M.T.H.'s tubular track. It is also compatible with most standard AC transformers. (See page 7 for a complete list of compatible transformers and wiring instructions.)

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.

Set Up Checklist

- Lubricate the locomotive
- Apply power to run as described in the Basic Operating Section of this manual

Lubrication

You should lubricate the engine to prevent it from squeaking. Use light household oil and follow the lubrication points marked “L” in Fig. 1. Do not over-oil. Use only a drop or two on each pivot point.

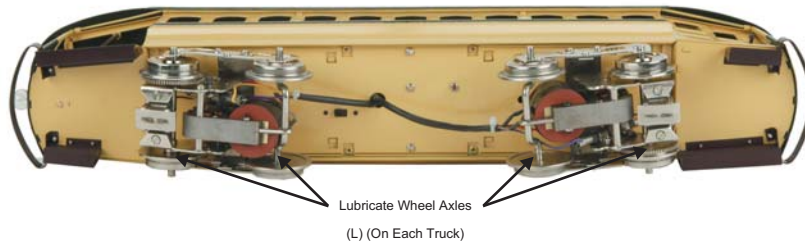


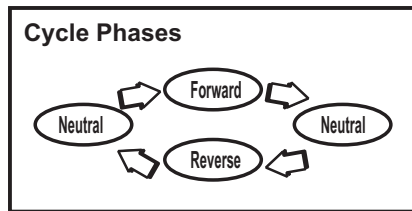
Figure 1. Lubrication Points on the Locomotive

Basic Operation

The Throttle knob controls how fast your No.9 Trolley will travel.

The Traditional No.9 Trolley uses a mechanical reversing unit for controlling the direction of operation. Each time the power is interrupted and then re-applied, the mechanical reversing unit will change to the next state in a *Neutral - Forward - Neutral - Reverse* sequence. There is no set state or direction for the initial operation. The No. 9 Trolley will start in the next state in the cycle of operation.

Turn up the throttle to control the track power. If the Trolley does not move and the headlight is shining bright, the engine may be in neutral.



Interrupt the track power by turning the off throttle and then turning the throttle back on again or pressing the direction button.

The Trolley should begin moving in forward or reverse.

The No.9 trolley can be locked into forward, neutral or reverse by using the lockout switch on the bottom of the trolley. (See Fig 2.)

To lock the No.9 Trolley in a direction or neutral state, set the No. 9 Trolley to the state you desire and move the lockout switch towards the front of the Trolley.

To unlock the No. Trolley, move the Lockout Switch towards the rear of the Trolley.



Figure 2

Maintenance

Lubricating and Greasing Instructions

The engine should be well oiled and greased in order to run properly.

Regularly lubricate all axles and linkage components and pickup rollers to prevent squeaking. Use light household oil, such as that found in M.T.H.'s maintenance kit. Do not over oil. Use only a drop or two on each pivot point.

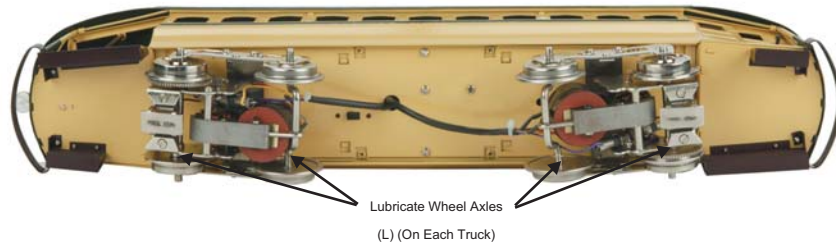


Figure 3

Cleaning The Wheels and Track

Periodically check the locomotive wheels and pickups for dirt and buildup, which can cause poor electrical contact and traction. Wheels can be cleaned using denatured (not rubbing) alcohol applied with a cotton swab.

To clean the track, use RailKing Track Cleaning Fluid and a clean rag or denatured (not rubbing) alcohol. Unplug the transformer and wipe the rails of the track, turning the rag frequently to ensure that you are using clean cloth on the rails. Thereafter, keep an eye on the track and clean it when it gets dirty to ensure good electrical contact and to lengthen the life of the tires



Headlight Replacement Instructions

Unscrew the bulb counter-clockwise to remove the burned out bulb (See Figure 4)



Figure 4

Replacement bulbs and wire ties are available from the M.T.H. Parts Department (order online: www.mth-railking.com; email parts@mth-railking.com; mail: 7020 Columbia Gateway Drive, Columbia, MD 21046-1532; FAX 410-381-6122).

Transformer Compatibility and Wiring Chart

Proto-Sound 2.0 is designed to work with most standard AC transformers. The chart below lists the many compatible transformers. Note the chart details how the terminals on these transformers should be attached to your layout.

Transformer Model	Center Rail	Outside Rail	Min/Max. Voltage	Power Rating	Transformer Type
MTH Z-500	Red Terminal	Black Terminal	0-18v	50-Watt	Electronic
MTH Z-750	Red Terminal	Black Terminal	0-21v	75-Watt	Electronic
MTH Z-4000	Red Terminal	Black Terminal	0-22v	390-Watt	Electronic
Lionel 1032	U	A	5-16v	90-Watt	Standard
Lionel 1032M	U	A	5-16v	90-Watt	Standard
Lionel 1033	U	A	5-16v	90-Watt	Standard
Lionel 1043	U	A	5-16v	90-Watt	Standard
Lionel 1043M	U	A	5-16v	90-Watt	Standard
Lionel 1044	U	A	5-16v	90-Watt	Standard
Lionel 1053	U	A	8-17v	60-Watt	Standard
Lionel 1063	U	A	8-17v	60-Watt	Standard
All-Trol	Left Terminal	Right Terminal	0-24v	300-Watt	Electronic
Dallee Hostler	Left Terminal	Right Terminal			Electronic
Lionel LW	A	U	8-18v	75-Watt	Standard
Lionel KW	A or B	U	6-20v	190-Watt	Standard
Lionel MW	Outside Track Terminal	Inside Track Terminal	5-16v	50V.A.	Electronic
Lionel RS-1	Red Terminal	Black Terminal	0-18v	50V.A.	Electronic
Lionel RW	U	A	9-19v	110-Watt	Standard
Lionel SW	U	A	Unknown	130-Watt	Standard
Lionel TW	U	A	8-18v	175-Watt	Standard
Lionel ZW	A,B,C or D	U	8-20v	275-Watt	Standard
Lionel Post-War Celebration Series ZW	A,B,C or D	Common	0-20v	135/190 Watt	Electronic

* Conventional Mode Only

Service & Warranty Information

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

When you suspect an item is defective, please check the operator's manual for standard operation and trouble-shooting techniques that may correct the problem. Additional information may be found on the M.T.H. Website. Should you still require service, follow the instructions below to obtain warranty service.

First, e-mail, write, call or fax a M.T.H. Authorized Service Center (ASC) in your area to obtain Repair Authorization. You can find the list of ASCs on the M.T.H. Website, www.mth-railking.com. Authorized Service Centers are required to make warranty repairs on items sold *only* from that store; all other repairs may-- or may not be done at the store's own discretion. If you did not purchase the item directly from the ASC, you will need to select a National Authorized Service Center (NASC). These centers are compensated by M.T.H. to perform warranty service for any customer whose repair qualifies for warranty service. A list of NASC retailers can be located on the M.T.H. Website or by calling 1-888-640-3700. Should the warranty no longer apply, you may choose either an ASC or NASC retailer to service your M.T.H. Product. A reasonable service fee will be charged.

CAUTION: Make sure the product is packed in its original factory packaging including its foam and plastic wrapping material to prevent damage to the merchandise. There is no need to return the entire set if only one of the components is in need of repair *unless otherwise instructed by the Service Center. 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 (if required by the service center, 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 for your Return Authorization.*

Please make sure you have followed the instructions carefully before returning any merchandise for service. Authorized M.T.H. Service Centers are independently owned and operated and are not agents or representatives of M.T.H. Electric Trains. M.T.H. assumes no responsibility, financial or otherwise, for material left in their possession, or work done, by privately owned M.T.H. Authorized Service Centers.

If you need assistance at any time email MTH Service at service@mth-railking.com, or call 410 381-2580.

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 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 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 M.T.H. Authorized Service Center (ASC) or M.T.H. National Authorized Service Center (NASC) 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 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. Specific questions regarding the warranty may be forwarded to M.T.H. directly.

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



PARTICIPATING A.S.C. RETAILER LIST

ALABAMA

SOUTHERLAND STATION
HUNTSVILLE
256-533-4720

ARIZONA

ARIZONA TRAIN DEPOT
MESA
480-833-9486

CALIFORNIA

CENTRAL COAST TRAINS
ATASCADERO
805-466-1391

TRAIN SHACK
BURBANK
818-842-3330

REED'S HOBBY SHOP

LA MESA
619-464-1672

ROUNDHOUSE
NORTH HOLLYWOOD
818-769-0403

DOLLHOUSES, TRAINS &
MORE
NOVATO
415-883-0388

TIN PLATE JUNCTION
OAKLAND
510-444-4780

RON'S WORLD
SAN CLEMENTE
949-361-5596

BLACK NIGHT TRAINS &
HOBBIES
SANTA ROSA
707-523-3522

COLORADO

CUSTOM RAILWAY SUPPLY
COLORADO SPRINGS
719-634-4616

CABOOSE HOBBIES, INC.
DENVER
303-777-6766

MIZELL TRAINS
WESTMINSTER
303-429-4811

CONNECTICUT

TIME MACHINE HOBBY, L L C
MANCHESTER
860-646-0610

FLORIDA

AMHERST DEPOT
ENGLEWOOD
941-475-2020

DEPOT HOBBY SHOP
IANTANA
561-585-1982

HOLLYWOOD STATION
HOLLYWOOD
954-921-2700

READY TO ROLL
MIAMI
305-688-8868

COLONIAL PHOTO & HOBBY
ORLANDO
407-841-1485

WARRICK CUSTOM HOBBIES
PLANTATION
954-370-0708

ROUNDHOUSE SOUTH
PORT ORANGE
386-304-7002

ILLINOIS

BERWYN'S TOY TRAINS &
MODELS
BERWYN
708-484-4384

CHICAGOLAND HOBBY
CHICAGO
773-775-4848

BILL'S ENGLEWOOD STATION
ORLAND PARK
708-460-4906

BIKE & CHOO CHOO
CONNECTION
SCHAUMBURG
847-882-7728

INDIANA

Y. O. R. K. TRAINS
MUNSTER
219-838-9999

SAMUELSON'S TRAIN SHOP
VALPARAISO
219-462-2708

IOWA

CABOOSE STOP HOBBIES
CEDAR FALLS
800-642-7012

KENTUCKY

L & N TRAINS & THINGS
LOUISVILLE
502-897-9005

KANSAS

HOBBY HAVEN
OVERLAND PARK
913-381-3111

LOUISIANA

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

MAINE

WHEELS, WINGS & THINGS
LUDLOW
207-532-6277

MARYLAND

HOBBYTOWN U S A
FREDERICK
301-694-7395

FREDERICK JUNCTION
FREDERICK
301-694-3434

ENGINE HOUSE HOBBIES
GAITHERSBURG
301-590-0816

J & B TRAINS
HAGERSTOWN
240-420-4930

THE TRAIN ROOM
HAGERSTOWN
301-745-6681

PURKEY'S TOY TRAINS
SYKESVILLE
410-549-6061

CATOCTIN MOUNTAIN TRAINS
& HOBBIES
THURMONT
301-694-8331

E.L. JONES & SONS
WILLIAMSPORT
800-810-8138

MASSACHUSETTS

FLYING YANKEE HOBBY
SHOP
BOSTON
617-323-9702

NORTHEAST TRAINS
PEABODY
978-532-1615

EAST BAY HOBBIES
SEEKONK
508-336-5573

PIONEER VALLEY HOBBIES
W. SPRINGFIELD
413-732-5531

MICHIGAN

MICHIGAN MODEL TRAIN
CENTER
PINCKNEY
734-426-1651

BRASSEUR ELECTRIC
TRAINS INC.
SAGINAW
989-793-4753

MINNESOTA

DON'S HOBBY CO.
MANKATO
507-387-1330

MISSOURI

SWITCH STAND
SAINT LOUIS
314-781-4458

MARK TWAIN HOBBY CENTER

ST. CHARLES
636-946-2816

NEVADA

RENO RAILS
RENO
775-337-6669

NEW HAMPSHIRE

TREASURED TOYS
SALEM
603-898-7224

NEW JERSEY

HOBBY SHOP
ABERDEEN
732-583-0505

COUNTRY AND STUFF

ANDOVER
973-786-7086

GENE'S TRAINS
BRICK
732-840-9728

COLUMBUS TRAIN STATION

COLUMBUS
609-518-1800

ATLANTIC RAILS
HAMMONTON
609-567-8490

C B TRAIN DEPOT
HILLSDALE
201-666-9598

GRAND CENTRAL STATION

KEARNY
201-955-6200

J & B TRAINS, INC.
MAPLE SHADE
856-414-0092

HOBBYMASTERS, INC
RED BANK
732-842-6020

RIDGEFIELD HOBBY
RIDGEFIELD
201-943-2636

TOM'S MODEL TRAINS
SCOTCH PLAINS
908-322-6122

TRAINS & THINGS
TRENTON
609-883-8790

COAST TRAINS AND

COLLECTIBLES
WALL
732-556-9005

HOLLY BEACH TRAIN DEPOT

WILDWOOD
609-522-2379

NEW YORK

L B C MODEL TRAINS
BUFFALO
716-631-3081

KURT'S TRAINS & HOBBIES

CALEDONIA
585-538-2960

RAIL TRONIX
CHEEKDOWGA
716-684-6131

AURORA RAILS & HOBBIES

EAST AURORA
716-652-5718

NASSAU HOBBY CENTER,

INC.
FREEPORT
516-378-9594

J & R JUNCTION

LIVERPOOL
315-451-6551

HOBBY WORLD

MONTICELLO
845-794-8770

CITY DEPOT, INC.

NEW HAMPTON
845-374-3010

THIRD STREET DEPOT

NIAGARA FALLS
716-285-6464

ISLAND TRAINS

STATEN ISLAND
718-317-0008

SCAG'S ELECTRIC TRAIN

SHOP
STATEN ISLAND
718-727-7373

AMERICANA STORE

TIVOLI
845-757-4246

KROSS HARDWARE

WEST BABYLON
631-669-3069

WESTCHESTER CENTRAL

TRAINS
WHITE PLAINS
914-421-1262

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THE ROUNDHOUSE &
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CARY
919-465-0810

DRY BRIDGE STATION
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336-786-9811

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SMITHFIELD
919-934-6229

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SPENCER
704-637-8717

TRAIN LOFT
WINSTON-SALEM
336-760-9817

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E & S TRAINS
AKRON
330-745-0785

T & K HOBBY SHOP
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740-633-6607

PARMA HOBBY
CLEVELAND
216-741-6440

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ELYRIA
440-365-9999

DUNHAM'S TOY TRAINS
LONDON
740-852-0899

CLEARVIEW TRAIN & HOBBY
LORAIN
440-277-4488

DIXIE UNION STATION
MASON
513-459-0460

DAVIS TRAINS
MILFORD
1-800-448-1060

GRAND PACIFIC JUNCTION
OLMSTEAD FALLS
440-235-4777

RICK'S TOY TRAINS
TOLEDO
419-478-0171

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937-440-9922

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CHARLEROI SWEEPER
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570-297-1975

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412-824-6009

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CENTER LD
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731-641-8880

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AMARILLO
806.352.9660

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ANGLETON
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LONGVIEW
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UTAH

ALMOSTA JUNCTION
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MANASSAS
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WHEELING
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SOMMERFELD'S TRAINS
BUTLER
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& HOBBIES
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THIRD STREET DEPOT
NIAGARA FALLS
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PITTSBURGH
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LOCUST GROVE
540-854-8955

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PORTSMOUTH
757-397-1983

T S G HOBBIES
WARRENTON
540-347-9212

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