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# WELCOME to M.T.H. Electric Trains

As M.T.H. begins our 21st year of operation, we are proud to continue offering you the high quality products that made us famous. This book is filled with equipment that will capture the interest of virtually every model railroader, from the detail-oriented scale Hi-railer, to the newest initiate, to the collector of nostalgic tinplate.

At M.T.H. we create our products based on what you tell us you want. We listen to model railroaders - what you say at train collectors' conventions, through dealer feedback, and via mail and e-mail - to determine what's missing from our product line and from the O Gauge market as a whole. We also stay tuned to what your favorite items are, and we work tirelessly on ways to make these products better and more innovative for you.

M.T.H. believes offering maximum variety and authenticity is not enough. We are also dedicated to providing the most technologically advanced model railroading equipment available. We believe that it is important to keep abreast of new technologies so that we can continue to provide you with equipment - whether it be engines, accessories, track, or operating systems - that continues to make the hobby easier than ever before. We believe our products will make your operating experience more enjoyable, more realistic, and easier than you could have imagined.

As you become better acquainted with M.T.H. Electric Trains, we hope you will see why M.T.H. has taken the lead in the O gauge market. If you like what you see, visit M.T.H.'s online Product/Dealer Locator at [www.mth-railking.com](http://www.mth-railking.com) or call 1-888-640-3700 to find a dealer near you. To receive future catalogs, send a one-time fee of \$3 and your address to: M.T.H. Electric Trains, 7020 Columbia Gateway Drive, Columbia MD 21046-1532.

**FACT**  
M.T.H. uses high quality motors and electronics to power and control our engines.



See why we're the best in the business.

## Grand Tour: visit our headquarters

M.T.H. Electric Trains has a staff dedicated to providing the best in quality and service. With more than 100 employees in the U.S., we have experts in every aspect of the business. Mike Wolf and the vice presidents combine for well over 140 years of experience in the model train industry, and many of the project managers and other key team members have worked for M.T.H. for years.

The Production Department is responsible for the design and engineering of every model we make. M.T.H.'s designers use state-of-the-art technology and a long series of tests, both before and after the tools are designed and cut, to ensure that the products' form, fit, and function provide you with the high quality you expect from M.T.H. The production team members work closely with each other to take advantage of shared experiences and knowledge. After design and production, they conduct the final quality inspection at M.T.H.'s distribution center right before models are delivered to dealers, to guarantee that we have provided the best model M.T.H. can produce.



Checking form, fit & function

The production personnel also work with the Research and Development team in Michigan. The developers focus on electronics and computer technology, such as Proto-Sound® 2.0, Loco-Sound™, the Z-4000® remote control system, and other M.T.H. electronics. This teamwork was especially important with the advent of Proto-Sound 2.0, which necessitated the redesign of almost every component of an M.T.H. engine, from the couplers to the smoke unit, and even the floors of the engines.



Getting products to you

M.T.H.'s Shipping Department employees are experts at turning product around. As soon as an item is approved for release, the shipping personnel spring into action, counting out dealers' orders, packing them for safe shipment, and sending them out the door. Sophisticated inventory software supports the employees to ensure that orders are shipped accurately. This well-run team gets the product into your hands as quickly as possible.

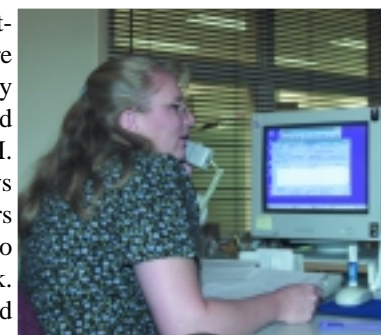
Once you have received your M.T.H. products, you rarely need to service them, but when you do,



Servicing your models

our dedicated Service and Parts departments are ready to help. Our experienced professionals work with you to diagnose and service your trains as quickly and completely as possible. We know that every minute we have your engine is a minute you cannot enjoy it, so these departments have developed streamlined procedures for servicing your models. And we have a new system that will keep you informed by e-mailing you when we receive your model, when we start to work on it, and when we ship it back to you.

The Sales Department works closely with our network of M.T.H. Authorized Retailers to make sure stores are stocked with the items you want. In early 2000, M.T.H. hosted a merchandising seminar and open house for our dealers. In this seminar, M.T.H. sales and marketing personnel presented new ways for retailers to present M.T.H. products to customers and conducted a tour of the M.T.H. headquarters to give them a better understanding of how we work. Our sales staff also makes appearances at train and toy shows around the country, so next time you are at one, come by and say "hello".



Working with dealers

The Accounting and Information Systems departments provide essential support to the entire company but especially to the Shipping, Service, and Sales departments. They ensure that M.T.H. employees throughout the building have fast access to accurate information about accounts, orders, and inventory. This information helps all M.T.H. employees to serve our valued customers better.

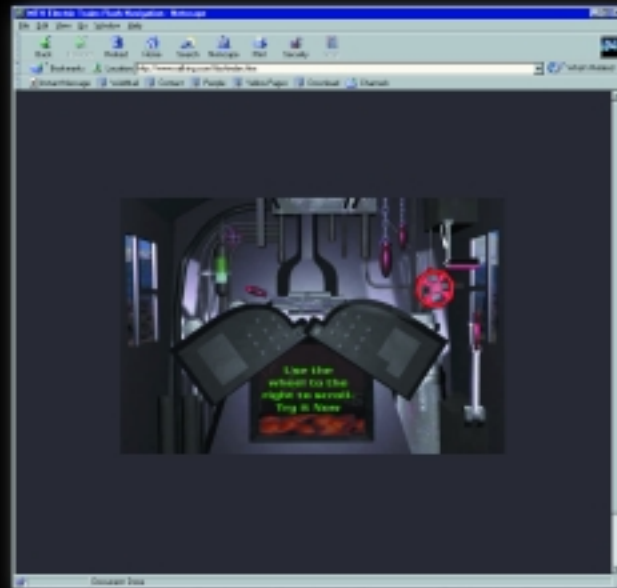
M.T.H.'s Marketing Department handles such traditional aspects as magazine advertising, club memberships, and newsletters, but we also embrace new technologies. We put a lot of effort into making sure that our website, including the popular new Product Locator Service, is the best in the industry. The planning, design, copy writing, photography, and layout of sales and marketing materials, including operating instructions and exploded views, are done by M.T.H.'s own in-house staff, using digital cameras and advanced software.



Designing support materials



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



- ✓ Enjoy model railroading with fun features like interactive multimedia animation and a free monthly newsletter.
- ✓ Access technical information like instruction sheets, exploded views, and service-oriented "Train Tips."
- ✓ Join the M.T.H. Railroaders Club and gain access to a members-only section with a message board.

- ✓ Use the Product Locator Service (PLS) to find an M.T.H. product and retailer who has it in stock.
- ✓ Search M.T.H. product history.
- ✓ Locate a dealer near you.
- ✓ Get special product information, including features and shipping schedule.
- ✓ Get a free web-based e-mail account.
- ✓ Contact M.T.H. for service help, warranties, and more..



## M.T.H PRODUCT LOCATOR SYSTEM

interactive product tracking software

Every collector has experienced the frustration of not finding that last, special component that will complete the perfect layout. M.T.H. Electric Trains has a hi-tech solution to those collecting woes.

The new Product Locator on the M.T.H. Web site ([www.mth-railking.com](http://www.mth-railking.com)) allows model railroaders to do a nationwide search for dealers who carry that elusive piece. The M.T.H. Product Locator takes customer service a step further than the Dealer Locator by enabling customers to locate not only the dealer nearest them, but the dealer nearest them who actually carries the model they want.



Our dealer product locator makes it easy to locate an M.T.H. product and the retailer who has it in stock

While some companies utilize similar systems within their own intranets, M.T.H. is among the first in the world to take something like this to public. The dealers and

hobby shops that make up the Product Locator inventory are not economically connected in anyway; they are independent dealers who have decided to participate in this network to better serve their customers. The dealers are responsible for updating their own inventories for accuracy. M.T.H. dealers can check the web site to help their customers find models they do not carry themselves, or the customers can access the site directly from their own computers and locate models in shops hundreds of miles away.

This system is an excellent example of M.T.H.'s commitment to using the latest technology in order to provide the best products and best service to our customers. The M.T.H. Product Locator provides a whole new shape for business relationships, one in which everyone wins.

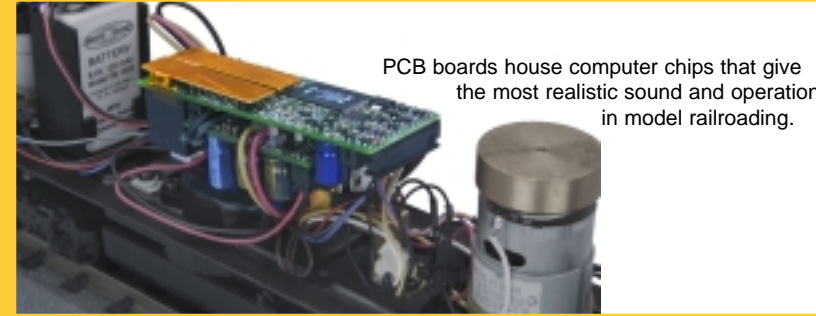


Find It  
[mth-railking.com](http://mth-railking.com)

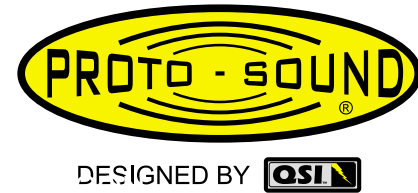


# Discover

State-of-the-Art Technology that Brings  
Ease and Realism to Model Railroading



PCB boards house computer chips that give the most realistic sound and operation in model railroading.



DESIGNED BY **OSI**

Original Proto-Sound, available on some of the items in this catalog, is a complete CD-quality digital sound and train control system. Proto-Sound uses a computer system to program and activate sound packages and train control features, and it requires no additional equipment to a layout.



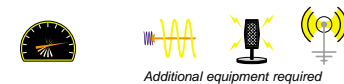
Loco Speed Control

M.T.H.'s **ALL-NEW** Loco-Sound system brings realistic digital sound to lower priced train sets and engines. Perfect for the beginning model railroader, it supplies locomotive sounds and a locomotive speed control system that stabilizes train speed up and down grades and around curves.

- Full compatibility with your other O Gauge trains
- Locomotive Engine, Whistle, and Bell Sounds
- Speed Control
- Proto-Cast™ and Proto-Dispatch™ when used with RailKing Remote and Remote Lock-on
- Puffing smoke in steam locomotives



M.T.H.'s **ALL-NEW** Proto-Sound 2.0 makes our trains the most technologically advanced on the market. You'll feel like you are really at trackside as the incredible digital sound system almost lets you feel the earth shake as the trains rumble past. For advanced operators, the revolutionary DCS Command Mode features give more realistic control over every feature, including sound, lighting, and speed, than any other control system ever developed.



## WITH PROTO-SOUND 2.0, RIGHT OUT OF THE BOX YOU GET:

- Full compatibility with your other O Gauge trains, even for double-heading
- Proto-Effects, including passenger station or freight yard sound effects and cab chatter
- Speed Control
- Puffing smoke in steamers
- Operating Proto-Couplers
- Wide range of state-of-the-art digital sounds

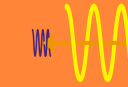
## WITH THE DCS REMOTE CONTROL SYSTEM YOU ADD:

- Remote control
- Independent control of each engine
- Extra sound effects, such as Proto-Cast™, Proto-Dispatch™, and Proto-Doppler™
- Speed control of each engine in scale miles per hour
- Ability to change locomotive with downloadable sounds
- Variable smoke output
- And much, much more

## Realistic Sound and Operation



Proto-Speed Control™ is a cruise control feature that continuously makes adjustments to maintain a steady locomotive speed, much like a real engineer does when travelling over variable terrain. It is standard in both Proto-Sound 2.0 and Loco-Sound engines.



Proto-Doppler™ puts the wooOOOOoo in model railroading. The Doppler Effect lets you hear the engine sound change pitch as it passes, just like the real thing. It is available in Proto-Sound 2.0 engines with the DCS Remote Control System.



Proto-Dispatch™ lets you broadcast your own voice through the locomotive's speaker. It is available with Proto-Sound 2.0 when it is used with the DCS Remote Control System (a microphone is built into the handheld remote) and with Loco-Sound when it is used with the RailKing Remote Control System and a microphone you provide.



Proto-Cast™ lets you broadcast an audio recording through the locomotive's speaker. It is available with Proto-Sound 2.0 when it is used with the DCS Remote Control System and an audio source (such as a portable CD or tape player) you provide and with Loco-Sound when it is used with the RailKing Remote Control System and an audio source you provide.



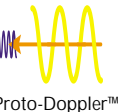
Speed control keeps a steady pace all around your layout



Powerful flywheel-equipped motors mean our engines pull long, heavy trains and drift to a realistic stop when you power down.



The Doppler effect changes pitch as your train rushes by



wooooooosh!

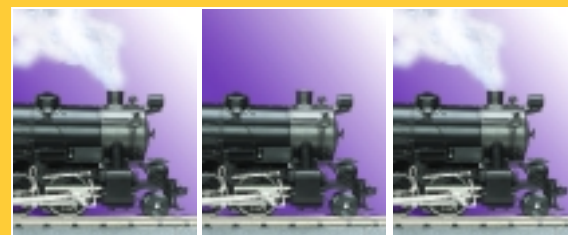


Project your own voice or recordings through the engine's speakers with Proto-Dispatch and Proto-Cast



For more information on Proto-Sound 2.0, see page 92.

Go To  
[www.protosound2.com](http://www.protosound2.com)



Puffing smoke: Smoke puffs in time with steam chuffing



RailKing® is M.T.H.'s most popular line of trains and accessories. We offer a full line of high quality, traditionally sized models, including locomotives, freight and passenger cars, track, accessories, and electronics. Model railroaders who prefer to run their trains rather than collect and display them often find RailKing an attractive and affordable option.

## 10 RailKing Steam Locomotives

*2-10-0 Decapod, 2-8-4 Berkshire, 4-6-0 Camelback, 4-8-4 GS-2 Northern, 0-8-0 Switcher, 2-8-0 Consolidation, 6-8-6 Bantam Turbine*

## 22 RailKing Diesel Locomotives

*Aerotrain, Alco PA, SW-1500*

## 28 RailKing Electric Locomotives

*Brill Semi-Convertible Trolley, PCC Electric Street Car*

## 30 RailKing Rugged Rails™ Freight Cars

## 34 RailKing Freight Cars

## 42 RailKing Operating Freight Cars

## 44 RailKing Passenger Cars

### Classifying Steam Engines

In the nineteenth-century, when many railroads designed their own, custom steam locomotives, it was difficult to find a standard way to classify steam engines. Frederick Methvyn Whyte, a mechanical engineer for the New York Central Railroad, developed an easy system for doing just that. The Whyte System calls for identifying engines by the number of wheels in each group: the lead truck, the drive wheels, and the trailing truck, with the number separated by hyphens. Therefore, an engine with two wheels on the lead truck, six drivers, and two wheels on the trailing truck would be a 2-6-2. Locomotives with the same Whyte System designation tended to share similar operating characteristics and be assigned to the same kinds of trains.

Most steamers were also given names associated in some way with the first appearance of that type of engine. For instance, the Northern Pacific Railroad was the first to design and use a 4-8-4 engine, so that type became known as the "Northern." These names were used by the public, the press, and railroads' marketing efforts, but rarely as official designations. M.T.H. typically uses both names when identifying our engines. The list below shows a selection of popular engines by Whyte System indicator and name.

0-6-0 Six-wheel switcher	4-6-2 Pacific
2-8-0 Consolidation	4-8-4 Northern
2-8-4 Berkshire	4-6-6-4 Challenger

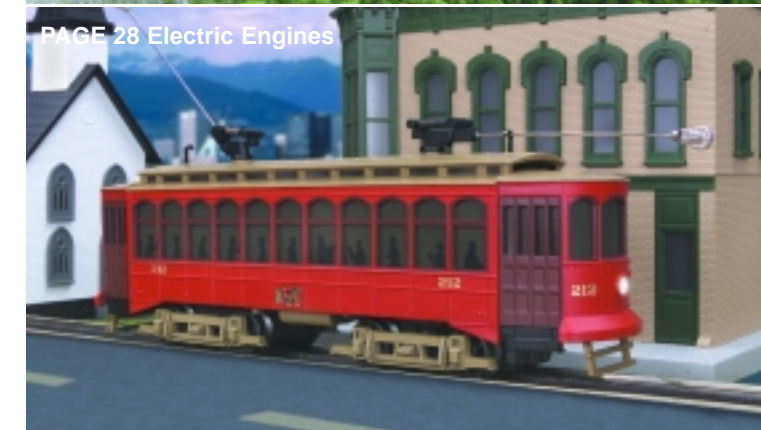
PAGE 10 Steam Engines



PAGE 22 Diesel Engines



PAGE 28 Electric Engines





# PRR 2-10-0 Decapod Steam Locomotive

**FACT**  
The 2-10-0 Steam Engine  
Weighed 386,100 Pounds



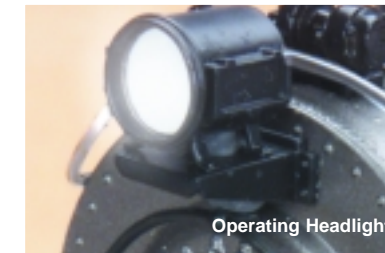
## ■ Pennsylvania 2-10-0 Decapod

30-1176-0	Loco-Sound™	\$329.95
30-1176-1	Proto-Sound® 2.0	\$429.95

**new!**



ProtoSmoke® System



Operating Headlight



Metal Wheels & Gears

### Let's Talk About Scale

*In O Gauge railroading, scale models, like those in our Premier Line, are 1:48 scale, or 1/4" scale, meaning that 1/4" on the model = 1 foot on the prototype. RailKing models are typically smaller, less precisely proportioned, and a bit less detailed than 1/4" scale, but some are "Near Scale" items, by which we mean that they are scale sized but have a RailKing level of detail and RailKing price. We make models of small prototypes, like the O-8-0, Near Scale so that we can fit the electronics, motors, etc., into the model. This means those items are a bit larger in comparison to other RailKing items than their comparative prototype sizes would suggest. Look for the "Near Scale" tag to identify these items.*

### Features

- Die-Cast Boiler and Tender Body • Die-Cast Metal Chassis • Authentic Paint Scheme • Metal Wheels and Axles
- Die-Cast Truck Sides • Precision Flywheel Equipped Motor • Metal Handrails and Decorative Bell • Decorative Metal Whistle • Operating ProtoSmoke® System • Track Voltage Operating Headlight • Operating Metal Coupler
- Your choice of Loco-Sound™ Sound with Chuffing, Whistle and Bell Sounds or Proto-Sound® 2.0 with Freight Yard Proto-Effects™ ■ O-42 Curves

**Unit Measures Approximate: 21 9/16" x 2 1/2" x 3 3/4"**

## 2-10-0 Decapod Steam Locomotive

By the 1910s, the Pennsylvania Railroad was hauling coal and ore by the tons, and it sought a more efficient way to do so than double-heading 2-8-2 engines. Thus was born the monstrous I Class 2-10-0 Decapod. It dwarfed all previous 2-10-0s, weighing in at 386,100 pounds, with a power output 41% higher and steam consumption 12% lower than the Mikados that were previously assigned to coal and ore duty. Pennsy heartily approved of the new design and ultimately had the Baldwin and Juniata shops build 598 Class Is.

These hulking engines were designed specifically for use in the mountainous Allegheny region of western Pennsylvania, and they hauled freight through that area like nothing the PRR had seen before. The typical assignment called for two Decapods at each end of every freight train, and despite their enormous size and weight, they were allowed to move at up to fifty miles per hour.

M.T.H. is proud to bring the ground-shaking power of the Pennsylvania 2-10-0 to your railroad.



# 2-8-4 Berkshire Steam Locomotive



**FACT**  
Larger firebox grate and other related elements necessitated the 4-wheel trailing truck.



■ **Virginian 2-8-4 Berkshire**  
30-1177-0 Loco-Sound™ \$299.95  
30-1177-1 Proto-Sound® 2.0 \$399.95



■ **Louisville & Nashville 2-8-4 Berkshire**  
30-1178-0 Loco-Sound™ \$299.95  
30-1178-1 Proto-Sound® 2.0 \$399.95



**Features**  
• Die-Cast Boiler and Tender Body • Die-Cast Metal Chassis • Metal Wheels and Axles • Die-Cast Truck Sides  
• Precision Flywheel Equipped Motor • Metal Handrails and Decorative Bell • Decorative Metal Whistle • Operating ProtoSmoke® System • Track Voltage Operating Headlight • Operating Metal Coupler • Authentic Paint Scheme  
• Your choice of Loco-Sound™ Sound with Chuffing, Whistle and Bell Sounds or Proto-Sound® 2.0 with Freight Yard Proto-Effects™ ■ O-31 Curves  
**Measures: 22" x 2 5/8" x 3 1/2"**

## 2-8-4 Berkshire Steam Locomotive

In the 1920s, increased competition meant that railroads had to come up with new ways of doing business if they hoped to remain successful. Up to that time, most freight was moved by connecting as many cars as possible to a locomotive and having the steam engine heave and drag them along (called "drag freight"). Some railroads decided to compete more effectively by increasing the speed, not the capacity, of their freight trains. The Lima Locomotive Works' 2-8-4 Berkshire steamer, introduced in 1924 and named for the Massachusetts mountains where it was demonstrated, helped make this happen.

The Berkshire was dubbed a "Super Power" engine because its larger firebox grate and other related elements (which necessitated the 4-wheel trailing truck) greatly increased the engine's steam-making capacity. And more steam capacity means more power and more speed. In all, 611 Berkshires were built for several railroads. They were a huge success and remained in service on U.S. rails until 1958, well into the diesel era.

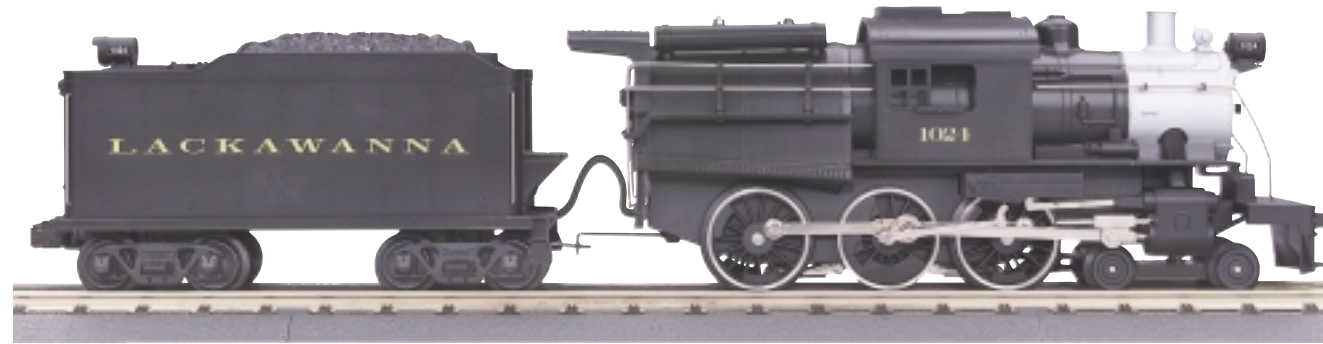
M.T.H. brings this popular engine back to our RailKing line in two exciting road-names: Louisville & Nashville and Virginian.



# 4-6-0 Camelback Steam Locomotive

**FACT**

Camelbacks' fireboxes are wider and shallower to allow anthracite coal to burn hot.



**Lackawanna 4-6-0 Camelback**

30-1179-0	Loco-Sound™	\$299.95
30-1179-1	Proto-Sound® 2.0	\$399.95



**Pennsylvania Camelback**

30-1180-0	Loco-Sound™	\$299.95
30-1180-1	Proto-Sound® 2.0	\$399.95



**Features**

- Die-Cast Boiler and Tender Body • Die-Cast Metal Chassis • Authentic Paint Scheme • Metal Wheels and Axles
- Die-Cast Truck Sides • Precision Flywheel Equipped Motor • Metal Handrails and Decorative Bell • Decorative Metal Whistle • Operating ProtoSmoke® System • Operating Metal Coupler • Track Voltage Operating Headlight
- Your choice of Loco-Sound™ Sound with Chuffing, Whistle and Bell Sounds or Proto-Sound® 2.0 with Freight Yard Proto-Effects™ ■ O-31 Curves

**Measures: 18" x 2 1/2" x 4"**

*near scale*

## 4-6-0 Camelback Steam Locomotive

Railroads that served the mines of eastern Pennsylvania had a cheap and abundant supply of anthracite coal. However, the traditional deep fireboxes of most steam locomotives were not suited to burning anthracite coal, which required a shallow box to reach high temperatures. The Camelback steamer was designed to allow eastern railroads efficient use of this fuel. It boasted a wider, shallower firebox that allowed coal to burn hot. However, this firebox displaced the cab, which had to be moved to the middle of the engine, straddling the boiler. While the engineer worked from this cramped cab, the fireman remained at the rear of a locomotive on an often unprotected deck.

Working conditions on a Camelback (so named because of the odd bulge of the center cab) were difficult at best. The engineer and fireman could communicate only with great difficulty, the small cab had little room for the controls, and the fireman had to do his difficult task of feeding an extra wide firebox with even less protection than traditional engines afforded.

M.T.H. is proud to make this unusual engine available in two new roadnames: Pennsylvania and Lackawanna.



# GS-2 4-8-4 Northern Steam Locomotive



**FACT**

The engine can pull a 12-car, 626-ton train at high speeds, over long distances and grades.



**Western Pacific 4-8-4 GS-2 Northern**

30-1185-0	Loco-Sound™	\$329.95
30-1185-1	Proto-Sound® 2.0	\$429.95

Add a Western Pacific 4-Car Passenger Set  
See Page 44



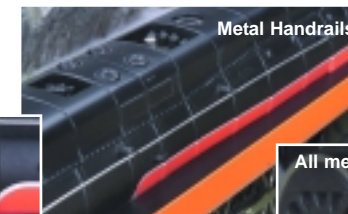
**Southern Pacific 4-8-4 GS-2 Northern**

30-1174-0	Loco-Sound™	\$329.95
30-1174-1	Proto-Sound® 2.0	\$429.95

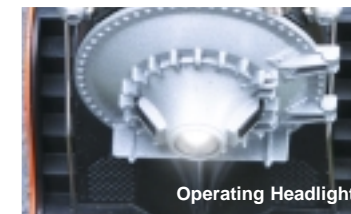
Add a Southern Pacific 4-Car Passenger Set  
See Page 45



Decorative Paint Schemes



Metal Handrails



Operating Headlight



All metal wheels

**Features**

- Die-Cast Boiler and Tender Body • Die-Cast Metal Chassis • Authentic Paint Scheme • Metal Wheels and Axles • Die-Cast Truck Sides • Precision Flywheel Equipped Motor • Metal Handrails and Decorative Bell • Decorative Metal Whistle • Operating ProtoSmoke® System • Operating Metal Coupler • Track Voltage Operating Headlight • Your choice of Loco-Sound™ Sound with Chuffing, Whistle and Bell Sounds or Proto-Sound® 2.0 with Passenger Station Proto-Effects™ ■ O-31 Curves

**Measures:** 21 1/2" x 2 5/8" x 3 3/8"

## 4-8-4 GS-2 Northern Steam Locomotive

In the 1920s, Southern Pacific rethought the standard approach to motive power; rather than changing engines at division points, they wanted to develop an engine for use on extended runs. Their famous 4-8-4 GS-series of locomotives resulted. 4-8-4 Northern originated with the Northern Pacific railroad in 1926 and quickly became popular on other roads. The eight drivers allowed the engines to generate more power than engines with fewer driving wheels, and the four trailing wheels supported a larger firebox, increasing boiler capacity. This combination allowed 4-8-4s to best even larger 2-10-2-types by sustaining higher speeds over longer distances.

Southern Pacific's famous GS-2 was introduced in 1937 specifically for the glamorous new "Daylight" passenger train that ran between San Francisco and Los Angeles. The engine had to be able to pull a 12-car, 626-ton train at high speeds, over long distances and grades. A 4-8-4 was the perfect solution to the problem.

Western Pacific obtained their first 4-8-4s during World War II when the War Production Board restricted new locomotive purchases to pre-existing, proven designs. WP opted to use the SP's GS-series 4-8-4 design for their own service. The Northern were the last of Western Pacific's steam power.



# 0-8-0 Steam Yard Switcher



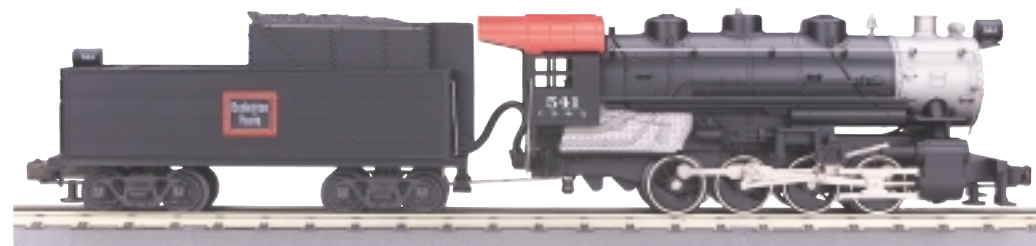
**FACT**  
0-8-0 Switcher took over the duties of the 0-6-0 due to its two extra drivers.



■ **Southern 0-8-0**  
30-1181-0 Loco-Sound™ \$299.95  
30-1181-1 Proto-Sound® 2.0 \$399.95



■ **Erie 0-8-0**  
30-1182-0 Loco-Sound™ \$299.95  
30-1182-1 Proto-Sound® 2.0 \$399.95



■ **Burlington 0-8-0**  
30-1183-0 Loco-Sound™ \$299.95  
30-1183-1 Proto-Sound® 2.0 \$399.95



■ **Boston & Maine 0-8-0**  
30-1184-0 Loco-Sound™ \$299.95  
30-1184-1 Proto-Sound® 2.0 \$399.95

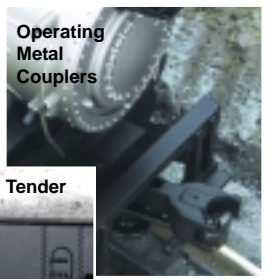
**Features**  
• Die-Cast Boiler and Tender Body • Die-Cast Metal Chassis • Authentic Paint Scheme • Metal Wheels and Axles  
• Die-Cast Truck Sides • Precision Flywheel Equipped Motor • Metal Handrails and Decorative Bell • Decorative Metal Whistle • Operating ProtoSmoke® System • (2) Operating Metal Couplers • Track Voltage Operating Headlight • Your choice of Loco-Sound™ Sound with Chuffing, Whistle and Bell Sounds or Proto-Sound® 2.0 with Freight Yard Proto-Effects™ ■ O-31 Curves  
**Measures: 19" x 2 1/2" x 4"**

near scale

## 0-8-0 Steam Locomotive

Switch engines were an essential, specialized piece of railroad equipment that looked quite different from their kin that work the mainline. Because of the nature of their work, moving cars around railroad yards, switch engines spent much of their time waiting for their assignments, so steam switchers needed smaller fireboxes, boilers, and tanks than road steamers. The cut out or sloping tanks on most steam switchers were designed to give good rear visibility, which was essential for these agile engines. Thanks to the two extra drivers, the 0-8-0 switcher was able to do much heavier work than its smaller 0-6-0 counterpart, so it generally took over switching duties in large yards.

The RailKing 0-8-0 is perfect for working the yard of any twentieth century steam-era layout. This sturdy model comes in the markings of the Boston & Maine, CB&Q, Erie, and Southern railroads.





## PRR 2-8-0 Consolidation Steam Locomotive



**■ Pennsylvania 2-8-0**  
30-1159-1 Proto-Sound® 2.0 \$249.95

### 2-8-0 Steam Locomotive

The 2-8-0 steam engine was first developed in 1864 - 1865, to provide power for heavy trains, at a moderate speed, especially on steep grades. Alexander Mitchell, the chief mechanic for a coal hauler in eastern Pennsylvania, designed the original 2-8-0. The Pennsylvania Railroad (PRR) was the first to apply the 2-8-0 type engine by rebuilding a Baldwin flexible-beam engine to a 2-8-0 configuration. In the 1910s, the PRR ordered many of these Consolidation-type freight engines from commercial locomotive builders. Pennsy also built many of the 2-8-0s themselves in the Juniata, Pennsylvania Shops.

The PRR used the Class H10, which was the largest of the Pennsy Consolidations, on its lines west of Pittsburgh. The RailKing PRR 2-8-0 Steam Engine is a detailed model, available with the standard features and optional equipment.

**FACT**  
Alexander Mitchell designed the original 2-8-0 Engine.

#### Features

- Die-Cast Boiler and Chassis • ABS Detailed Tender Body • Die-Cast Metal Chassis • Authentic Paint Scheme • Metal Wheels and Axles • Track Voltage Operating Headlight • Die-Cast Truck Sides • Precision Flywheel Equipped Motor • Metal Coupler • Metal Handrails and Decorative Bell • Decorative Metal Whistle • Operating ProtoSmoke® System • Proto-Sound® 2.0 with Freight Yard Proto-Effects™ ■ O-31 Curves

**Measures: 19" x 2 1/2" x 3 3/4"**

*near scale*

## PRR 6-8-6 Bantam Steam Turbine



**■ Pennsylvania 6-8-6 Bantam Turbine**  
30-1167-0 Loco-Sound™ \$149.95  
30-1167-1 Proto-Sound® 2.0 \$249.95

#### Features

- Die-Cast Boiler and Tender Body • Precision Flywheel Equipped Motor • Operating Metal Coupler • Die-Cast Metal Chassis • Authentic Paint Scheme • Metal Wheels and Axles • Die-Cast Truck Sides • Track Voltage Operating Headlight • Metal Handrails and Decorative Bell • Decorative Metal Whistle • Operating ProtoSmoke® System • Your choice of Loco-Sound™ Sound with Chuffing, Whistle and Bell Sounds or Proto-Sound® 2.0 with Freight Yard Proto-Effects™ ■ O-31 Curves

**Measures: 20" x 2 1/2" x 3 1/2"**

### 6-8-6 Bantam Turbine Steam Locomotive

By the mid-1940s, the diesel revolution was beginning to take a foothold in America's railroad power rosters. Realizing that diesel power was proving to be quite cost effective on other railroads, the Pennsylvania Railroad experimented with ways to make steam power more competitive with the diesel. One bold new design deriving from the PRR's efforts was the S-2 6-8-6 Steam Turbine, a hybrid between the normal reciprocating steamer and a diesel or electric. While the S-2 still had a firebox and boiler and still generated steam, the pressure was run through a turbine instead of reciprocating cylinders to make power. The turbine design provided smooth and constant power to the drive wheels and proved to be much more efficient than traditional steam locomotives at higher speeds. Despite its high-speed efficiency, the S-2 still retained many of the high costs of operating a steam engine. And as we all know, the diesel eventually won out.

The Pennsylvania Railroad made only one S-2 6-8-6 turbine engine, and we are proud to make a reasonably-priced version available to model railroaders.

**FACT**  
The Pennsylvania Railroad made only one S-2 6-8-6 turbine engine.



# Aerotrains "Train of the Future" Set

**FACT**  
Aerotrains Passenger cars were dressed up modified intercity bus bodies riding on two axles.



**■ Pennsylvania Aerotrains**  
30-2210-0 Loco-Sound™ \$299.95  
30-2210-1 Proto-Sound® 2.0 \$399.95

**new!**



### Whistle and Horn Signals

Railroaders rely on coded whistle and horn blasts to signal certain warnings or orders. Use the sampling of signals listed below to make your own operation more prototypical. O = a short blast; - = a long blast.

Codes:	Meaning:
O	Apply brakes or stop
--	Start or proceed
- (very long)	Approaching stations or junctions
--O	Approaching meeting or waiting points (sounded 1 mile out)
OOO	When stopped, back up; when running, stop at the next station
-O	Warning whistle when approaching spots with an obscured view
- OOO	Flagman protect rear of the train
- - - -	Flagman return from West or South
- - - - -	Flagman return from East or North
OOOOOO	Alarm for people or animals on the track
	(no set number)

**Features**  
 • Intricately Detailed ABS Bodies • Metal Wheels and Axles • Die-Cast Truck Sides • Authentic Paint Scheme  
 • Metal Chassis • Track Varied Operating Headlight • Precision Flywheel Equipped Motor • Lighted Interior  
 • Your choice of Loco-Sound™ Sound with Diesel Roar, Horn and Bell Sounds or Proto-Sound® 2.0 with Passenger Station Proto-Effects™ ■ O-31 Curves  
**Measures: 45 3/4" x 2 1/2" x 3 3/4"**

## Aerotrains Diesel Locomotive

Part of the post-World War II experimentation with "super lightweights," the

Aerotrains is perhaps the most famous and certainly one of the most unusual attempts at resurrecting dwindling U.S. passenger revenues. Even its design is an example of cost-efficiency: the 1200 horsepower locomotive was basically a dressed-up version of an EMD switcher, and the passenger cars were modified intercity bus carbodies riding on two axles. But having these common mix-and-match parts did not mean the Aerotrains was generic! The distinctive outlines of the turret-cab carbody are unmistakable.

Only two Aerotrains sets were built in 1956, and they were leased to four railroads, including the Pennsylvania, for testing before they were finally sold to Rock Island in 1958. They saw service for only ten years before they were donated in 1966 to the National Transportation Museums in Green Bay and St. Louis.

This futuristic train is a fascinating part of U.S. railroading history, and M.T.H. is proud to make it available in the livery it wore while in service for the PRR.

DIESEL LOCOMOTIVE



# Alco PA AA Diesel Set and B Unit

**FACT**  
ALCO PA was suited for both freight and passenger use



**Union Pacific ALCO PA AA Set**  
30-2218-0 Loco-Sound™ \$179.95  
30-2218-1 Proto-Sound® 2.0 \$279.95

Ad a Union Pacific 4-Car Passenger Set  
See Page 45



**Erie Lackawanna ALCO PA AA Set**  
30-2219-0 Loco-Sound™ \$179.95  
30-2219-1 Proto-Sound® 2.0 \$279.95

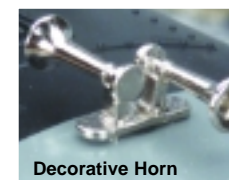
Ad a Erie Lackawanna 4-Car Passenger Set  
See Page 45



**Union Pacific ALCO PA B Unit**  
30-2218-3 Non-Powered \$59.95



**Erie Lackawanna ALCO PA B Unit**  
30-2219-3 Non-Powered \$59.95



## Features

- Intricately Detailed ABS Body • Metal Wheels and Axles • Die-Cast Truck Sides, Pilots and Fuel Tank • Colorful Paint Scheme • Metal Handrails and Decorative Horn • Two Precision Flywheel Equipped Motors • All Metal Wheels and Gears • Two Operating Metal Couplers • Your choice of Loco-Sound™ Sound with Diesel Roar, Horn and Bell Sounds or Proto-Sound® 2.0 with Passenger Station Proto-Effects™ ■ O-31 Curves

**A Set Measures:** 28 1/4" x 2 1/2" x 3 5/8"

**B Unit Measures:** 14" x 2 1/2" x 3 5/8"

## ALCO PA AA Diesel Locomotive Set

The post-World War II era was an exciting transition period for our nation's railroads. Practical, war-time productions gave way to more daring and glamorous streamlined diesels pulling newly equipped passenger trains. Introduced in 1946, the American Locomotive Company's PA-1 made an instant impact on our railroads and railfans.

Many railfans agree that the Alco PA is the most beautiful diesel locomotive ever produced. Its long, streamlined look certainly made it one of the best canvases for beautiful paint schemes—an opportunity that few railroads let pass. Measuring more than 65 feet long, the PA-1 featured 2000 hp and 100 mph gearing, creating an awesome combination of sleekness, speed, and power. Well suited for both passenger and fast freight service, the Alco PA-1 was a fixture on many of our most famous railroads for years after its introduction.

The RailKing Alco PA AA Diesel Set brings its sleek styling to your traditional-sized O-Gauge railroad in the markings of the Union Pacific and Erie Lackawanna railroads. You can add a non-powered B unit to the powered and non-powered AA set to achieve the traditional A-B-A diesel engine configuration.



# SW 1500 Road Switcher

**FACT**  
SW 1500 was used by mainline and industrial operators.



■ **Chicago NorthWestern SW1500**  
30-2214-0 Loco-Sound™ \$149.95  
30-2214-1 Proto-Sound® 2.0 \$249.95



■ **Union Pacific SW1500**  
30-2215-0 Loco-Sound™ \$149.95  
30-2215-1 Proto-Sound® 2.0 \$249.95



■ **Conrail SW1500**  
30-2216-0 Loco-Sound™ \$149.95  
30-2216-1 Proto-Sound® 2.0 \$249.95



■ **New York Central SW1500**  
30-2217-0 Loco-Sound™ \$149.95  
30-2217-1 Proto-Sound® 2.0 \$249.95

## SW1500 Diesel Locomotive

The SW1500 burst upon the rail scene in 1966, marking the next step in the evolution of EMD switchers. Although it carried the same general styling as its earlier siblings, the mechanics of the engine were based on the evolution of the sound engineering the company was known for. The SW1500 had a 12-cylinder, 645-series engine that provided 1500 horsepower. Although the engine's standard equipment was usual for a yard switcher, the optional equipment--including a larger fuel tank, better quality trucks, and ballasting to add weight--suggests EMD expected the SW1500 to be used as a true road switcher.

The SW1500 was produced from 1966-74, and EMD sold 808 units. At the time, the only EMD engine that had sold better was the NW2, the 1940s counterpart to the SW1500. The engine was used by both mainline operators and industrial users, such as Tennessee Copper and Armco Steel, showing its versatility.

You can enjoy this versatile and reliable engine on your own railroad, in the markings of the Chicago NorthWestern, Union Pacific, Conrail, and New York Central railroads

**Features**  
• Intricately Detailed ABS Body • Metal Wheels and Axles • Die-Cast Truck Sides, Pilots and Fuel Tank • Colorful Paint Scheme • Metal Handrails and Decorative Horn • (2) Precision Flywheel Equipped Motors • All Metal Wheels and Gears • (2) Operating Metal Couplers • Your choice of Loco-Sound™ Sound with Diesel Roar, Horn and Bell Sounds or Proto-Sound® 2.0 with Freight Yard Proto-Effects™ ■ O-31 Curves  
**Measures: 12 7/8" x 3 1/2" x 4"**

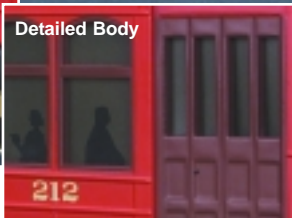
*near scale*



DIESEL LOCOMOTIVE



# Brill Semi-Convertible Trolley



## ■ Pennsylvania Brill Semi-Convertible Trolley

30-2512-1 Proto-Sound® \$199.95

### Features

- Directionally Controlled Headlights • Intricately Detailed ABS Body • Colorful Paint Scheme • Die-Cast Truck Sides • Precision Flywheel Equipped Motor • Lighted Marker Lights • Lighted Interior • Proto-Sound® with Squeaking Brakes and Station Stop Proto-Effects™ ■ O-27 Curves

**Measures: 11 5/8" x 2 5/8" x 3 1/2"**

*near scale*

# Brill Semi-Convertible Trolley

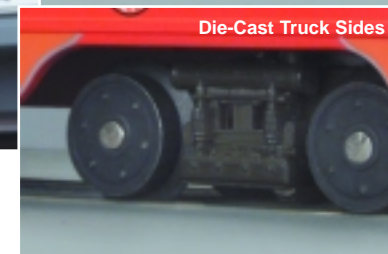
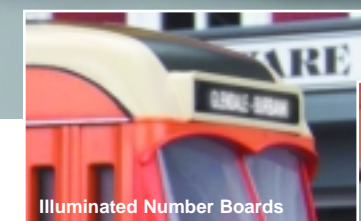
In the early 1900s, as cities grew in size and complexity, so too did the traffic problems and transportation needs. A vehicle that could operate effectively and efficiently while transporting many people was required. Multi-passenger vehicles were initially horse-drawn. Because these cars were designed to be lightweight, they lacked traction when they were ultimately converted to electric streetcars.

Two things led to an almost universally accepted electric car design. First, Frank Sprague created a separate metal truck for these cars. Then John Albert Brill, the leading engineer of the J.G. Brill Company, developed the idea for the "Eureka Maximum Traction Truck," for a mass transit vehicle that was heavy enough to operate well. Thus was born the trolley car. The trolley went through several versions, as the open car, the semi-open car, the convertible, and the semi-convertible. M.T.H. models the most popular design: the semi-convertible, which fared well in all kinds of weather.

### TIME ZONES

The time zone system used in the U.S. was created by the railroads in 1883. Railroads needed a standard way of keeping time because trains traveled so far so fast and needed to maintain schedules across wide areas. Before the railroads standardized time zones, each community had its own time; for instance, 12:00 noon in Philadelphia did not coincide with 12:00 noon in Harrisburg or Pittsburgh.

# PCC Electric Street Car



## ■ Pacific PCC Electric Street Car

30-2513-0 \$99.95  
30-2513-1 Proto-Sound® \$199.95

### Features

- Directionally Controlled Headlights • Intricately Detailed ABS Body • Colorful Paint Scheme • Die-Cast Truck Sides • Precision Flywheel Equipped Motor • Lighted Marker Lights • Lighted Interior • Proto-Sound® with Squeaking Brakes and Station Stop Proto-Effects™ ■ O-27 Curves

**Measures: 11 5/8" x 2" x 3 1/2"**

*near scale*

# PCC Electric Street Car

In the 1920s the great rise in the popularity of automobiles gave rise to a desperate effort to save the dying streetcar industry. The automobile's success dictated that any successful modern streetcar be designed both for comfort and for ease of travel in increasingly crowded streets. The Electric Railway Presidents' Conference Committee began in the early 1930s to develop a streetcar that could meet these criteria and save the flagging urban transit industry. These efforts resulted in the PCC (for Presidents' Conference Committee) Electric Street Car, which gave streetcars a new, progressive image.

Although most systems noticed an immediate increase in ridership and revenue, the PCC was ultimately unable to rescue an industry in crisis. While it was not a financial success in U.S. cities, the PCC car was a triumph of performance, efficiency and reliability. Its descendants are still in use in countries around the world.

The classic Pacific Electric colors grace the sides of this RailKing PCC car. The model is optionally outfitted with the Proto-Sound® Digital Sound and Train Control system, which includes PA announcements at each stop as well as the sounds of passengers embarking and disembarking.



**RAIL KING**  
**RUGGED RAILS**  
SERIES

Delivers

**LOADS LOADS LOADS**  
**LOADS**  
*of*  
**LOADS**



**AFFORDABLE & DURABLE**  
**O-27 FREIGHT CARS**

**EASIEST WAY TO ADD  
TO A READY-TO-RUN SET!**

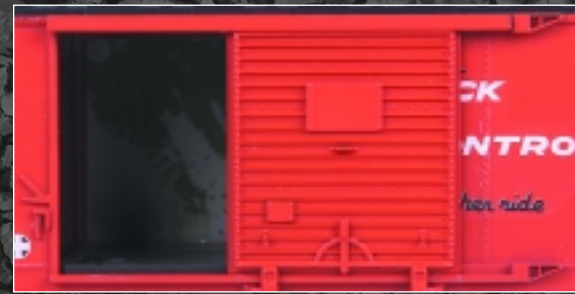
Rugged Rails™ provides superior quality at a competitive price for the entry-level hobbyist. These cars offer rugged construction and body detail that will stand up to years of vigorous handling. It's the perfect way to add to a Ready-To-Run™ set or to introduce someone new to the hobby. Budget-minded model railroaders and even children can enjoy the opportunity to buy more cars and build their collections with M.T.H.'s new Rugged Rails line.



Four I-beams with every Rugged Rails gondola car

Each Car Measures Approximately:  
**10 1/2" x 2 1/4" x 3 1/8"**

Cars Operate on O-27 Curves



**Die-Cast Metal Trucks & Wheels**

**Fast Angle Wheel Sets**

**Needle-Point Axles**

**Sprung Trucks That Spring\***

\* most cars feature sprung trucks

**Sturdy ABS Bodies**

**Undercarriage Details**

**Sliding Doors**

**Operating Metal Couplers**

**Lighted Caboose**

any Rugged Rails car  
**\$24.99**



**New York Central, Single Door Box Car**  
\$24.99 33-7401 ■ O-27 Curves



**Union Pacific, Single Door Box Car**  
\$24.99 33-7402 ■ O-27 Curves



**Pennsylvania, Single Door Box Car**  
\$24.99 33-7403 ■ O-27 Curves



**Santa Fe, Single Door Box Car**  
\$24.99 33-7404 ■ O-27 Curves

FREIGHT CARS





**Pennsylvania, 3-Bay Covered Hopper Car**  
\$24.99 33-7501 ■ O-27 Curves



**New York Central, Flat Car with Road Legends® 1960 Corvette**  
\$24.99 33-7601 ■ O-27 Curves



**Santa Fe, Gondola Car with I-Beam Load**  
\$24.99 33-7201 ■ O-27 Curves



**New York Central, Stock Car**  
\$24.99 33-7701 ■ O-27 Curves



**Denver & Rio Grande, Tank Car**  
\$24.99 33-7301 ■ O-27 Curves



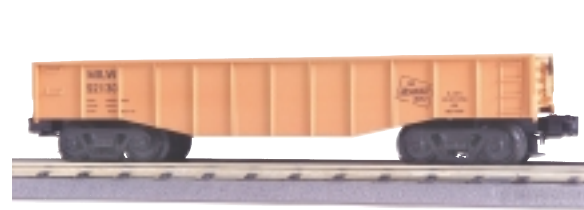
**Pennsylvania, Woodsided Caboose**  
\$24.99 33-7801 ■ O-27 Curves



**Norfolk & Western, 3-Bay Covered Hopper Car**  
\$24.99 33-7502 ■ O-27 Curves



**Southern Pacific, Flat Car with Road Legends® 1957 Chevy**  
\$24.99 33-7602 ■ O-27 Curves



**Milwaukee Road, Gondola Car with with I-Beam Load**  
\$24.99 33-7202 ■ O-27 Curves



**Chicago NorthWestern, Stock Car**  
\$24.99 33-7702 ■ O-27 Curves



**Chicago NorthWestern, Tank Car**  
\$24.99 33-7302 ■ O-27 Curves



**New York Central, Woodsided Caboose**  
\$24.99 33-7802 ■ O-27 Curves



**Union Pacific, 3-Bay Covered Hopper Car**  
\$24.99 33-7503 ■ O-27 Curves



**Chessie, Flat Car with Road Legends® 1960 Corvette**  
\$24.99 33-7603 ■ O-27 Curves



**Chessie, Gondola Car with I-Beam Load**  
\$24.99 33-7203 ■ O-27 Curves



**Pennsylvania, Stock Car**  
\$24.99 33-7703 ■ O-27 Curves



**Chessie, Tank Car**  
\$24.99 33-7303 ■ O-27 Curves



**Union Pacific, Woodsided Caboose**  
\$24.99 33-7803 ■ O-27 Curves



**Santa Fe, 3-Bay Covered Hopper Car**  
\$24.99 33-7504 ■ O-27 Curves



**Burlington, Flat Car with Road Legends® 1957 Chevy**  
\$24.99 33-7604 ■ O-27 Curves



**Pennsylvania, Gondola Car with I-Beam Load**  
\$24.99 33-7204 ■ O-27 Curves



**Santa Fe, Stock Car**  
\$24.99 33-7704 ■ O-27 Curves



**BNSF, Tank Car**  
\$24.99 33-7304 ■ O-27 Curves



**Santa Fe, Woodsided Caboose**  
\$24.99 33-7804 ■ O-27 Curves







## RAILKING FREIGHT CARS

High quality, traditionally sized RailKing® freight cars provide detailed bodies and colorful paint schemes for the O Gauge railroader. M.T.H. makes an enormous variety of RailKing freight cars, including many different car types and roadnames. Our track-activated operating cars bring additional realism and action to any model railroad. No matter what era or part of the country you model, RailKing is sure to have something for you.

### Features:

- Durable ABS Bodies
- Die-Cast 4- or 6-Wheel Trucks
- Operating Die-Cast Metal Couplers
- Colorful Paint Schemes
- Decorative Brake Wheels
- Lighted Caboosees - Some with Detailed Interiors
- Fast-Angle Wheel Sets
- Needle-Point Axles
- Sliding Car Doors

Each Car Measures Approximately:  
**10 1/2" x 2 1/4" x 3 1/2"**

Most Cars Operate on O-27 Curves



**Santa Fe, Airslide Hopper Car**  
 \$34.95 30-7542 ■ O-31 Curves



**New York Central, Airslide Hopper Car**  
 \$34.95 30-7543 ■ O-31 Curves



**CSX, 4-Bay Cylindrical Hopper**  
 \$32.95 30-7540 ■ O-31 Curves



**Union Pacific, Searchlight Car**  
 \$39.95 30-7915 ■ O-31 Curves



**Boston & Maine, Heavy Duty Snow Plow**  
 \$39.95 30-7946 ■ O-27 Curves



**Chicago NorthWestern, 4-Bay Cylindrical Hopper**  
 \$32.95 30-7541 ■ O-31 Curves



**New York Central, Searchlight Car**  
 \$39.95 30-7914 ■ O-31 Curves



**Erie Lackawanna, Heavy Duty Snow Plow**  
 \$39.95 30-7945 ■ O-27 Curves



**Southern Pacific, Husky Stack Car**  
 \$39.95 30-7690 ■ O-31 Curves



**McDonald's®, Husky Stack Car**  
 \$42.95 30-7691 ■ O-31 Curves



**Chicago NorthWestern, Husky Stack Car**  
 \$39.95 30-7689 ■ O-31 Curves







**Pennsylvania, Crane Tender Car**  
\$39.95 30-7949 ■ O-27 Curves



**Boston & Maine, Crane Tender Car**  
\$39.95 30-7950 ■ O-27 Curves



**Chessie, Crane Tender Car**  
\$39.95 30-7953 ■ O-27 Curves



**Virginian, Hopper Car**  
\$32.95 30-7544 ■ O-27 Curves



**Atlantic Coast Line, Box Car**  
\$32.95 30-7427 ■ O-27 Curves



**Western Pacific, Box Car**  
\$32.95 30-7444 ■ O-27 Curves



**Pennsylvania, Crane Car**  
\$49.95 30-7948 ■ O-27 Curves



**Boston & Maine, Crane Car**  
\$49.95 30-7947 ■ O-27 Curves



**Erie Lackawanna, Hopper Car**  
\$32.95 30-7523 ■ O-27 Curves



**Louisville & Nashville, Hopper Car**  
\$32.95 30-7545 ■ O-27 Curves



**Erie Lackawanna, Box Car**  
\$32.95 30-7428 ■ O-27 Curves



**Western Pacific, Box Car**  
\$32.95 30-7461 ■ O-27 Curves



**Pennsylvania, Modern Reefer Car**  
\$32.95 30-7819 ■ O-27 Curves



**Breyers Milk, Modern Reefer Car**  
\$32.95 30-7820 ■ O-27 Curves



**Red Rose Ice Cream, Modern Reefer Car**  
\$32.95 30-7821 ■ O-27 Curves



**Erie Lackawanna, Hopper Car**  
\$32.95 30-7546 ■ O-27 Curves



**New York Central, Box Car**  
\$32.95 30-7440 ■ O-27 Curves



**Pittsburgh & West Virginia, Box Car**  
\$32.95 30-7462 ■ O-27 Curves



**McDonald's®, Modern Tank Car**  
\$34.95 30-7336 ■ O-31 Curves



**Caterpillar®, Modern Tank Car**  
\$34.95 30-7337 ■ O-31 Curves



**CSX, Modern Tank Car**  
\$32.95 30-7338 ■ O-31 Curves



**Pennsylvania, Hopper Car**  
\$32.95 30-7577 ■ O-27 Curves



**Southern Pacific, Box Car**  
\$32.95 30-7441 ■ O-27 Curves



**State of Maine, Box Car**  
\$32.95 30-7467 ■ O-27 Curves





**Caterpillar®**, Flat Car with Trailer  
\$39.95 30-7697 ■ O-27 Curves



**MTH Auto Transport**,  
Flat Car with Ertl® Torinos  
\$39.95 30-7692 ■ O-27 Curves



**MTH**, Flat Car with Billboard  
\$39.95 30-7699 ■ O-27 Curves



**Erie Lackawanna**, Bay Window Caboose  
\$39.95 30-7741 ■ O-27 Curves



**Louisville & Nashville**, Offset Steel Caboose  
\$39.95 30-7744 ■ O-27 Curves



**Duluth Missabe & Iron Range**, Offset Steel Caboose  
\$39.95 30-7748 ■ O-27 Curves



**Caterpillar®**, Flat Car with Billboard  
\$39.95 30-7698 ■ O-27 Curves



**MTH Auto Transport**,  
Flat Car with Ertl® 442 Olds Cutlass  
\$39.95 30-7693 ■ O-27 Curves



**McDonald's®**, Flat Car with Billboard  
\$39.95 30-76001 ■ O-27 Curves



**Western Pacific**, Bay Window Caboose  
\$39.95 30-7742 ■ O-27 Curves



**Virginian**, Offset Steel Caboose  
\$39.95 30-7745 ■ O-27 Curves



**Pittsburgh & West Virginia**, Offset Steel Caboose  
\$39.95 30-7747 ■ O-27 Curves



**Pennsylvania**, Flat Car with Wheel Sets  
\$34.95 30-7687 ■ O-27 Curves



**MTH Auto Transport**, Auto Carrier with Ertl® 1970 Novas  
\$59.95 30-7694 ■ O-27 Curves



**Union Pacific**, Flat Car with Trailer  
\$34.95 30-7632 ■ O-27 Curves



**Union Pacific**, Bay Window Caboose  
\$39.95 30-7749 ■ O-27 Curves



**Lackawanna**, Offset Steel Caboose  
\$39.95 30-7746 ■ O-27 Curves



**Jersey Central**, Ore Car  
\$32.95 30-7528 ■ O-27 Curves



**Louisville & Nashville**, Flat Car with Wheel Sets  
\$34.95 30-7688 ■ O-27 Curves



**McDonald's®**, Flat Car with Trailer  
\$39.95 30-7696 ■ O-27 Curves



**Baltimore & Ohio**, Flat Car with Trailer  
\$34.95 30-7633 ■ O-27 Curves



**Pennsylvania**, Woodsided Caboose  
\$39.95 30-7722 ■ O-27 Curves



**Baltimore & Ohio**, Woodsided Caboose  
\$39.95 30-7723 ■ O-27 Curves



**Great Northern**, Ore Car  
\$32.95 30-7529 ■ O-27 Curves





**Southern Pacific, Steel Caboose**  
\$39.95 30-7731 ■ O-27 Curves



**Pennsylvania, N5c Caboose**  
\$39.95 30-7730 ■ O-27 Curves



**Santa Fe, Die-Cast Depressed Flat Car with Transformer**  
\$44.95 30-8301 ■ O-31 Curves



**Pittsburgh & West Virginia, 3-Dome Tank Car**  
\$32.95 30-7333 ■ O-27 Curves



**Louisville & Nashville, 3-Dome Tank Car**  
\$32.95 30-7334 ■ O-27 Curves



**Erie Lackawanna, 3-Dome Tank Car**  
\$32.95 30-7335 ■ O-27 Curves



**Chicago NorthWestern, Steel Caboose**  
\$39.95 30-7734 ■ O-27 Curves



**New York Central, 50' Double Door Plugged Boxcar**  
\$34.95 30-7463 ■ O-31 Curves



**Santa Fe, 50' Double Door Plugged Boxcar**  
\$34.95 30-7464 ■ O-31 Curves



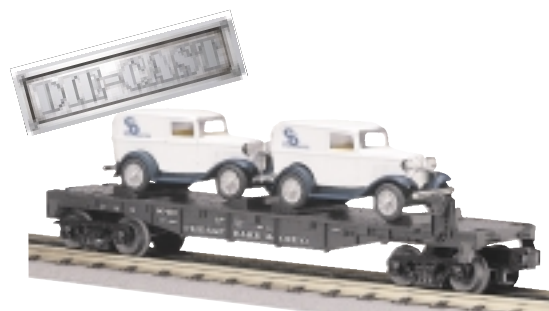
Look For This Display At Your Authorized M.T.H. Retailer



**Illinois Central, Die-Cast Depressed Flat Car with Transformer**  
\$44.95 30-8302 ■ O-31 Curves



**Milwaukee Road, Die-Cast Flat Car with Ertl® '32 Panel Vans**  
\$49.95 30-8303 ■ O-27 Curves



**Chesapeake & Ohio, Die-Cast Flat Car with Ertl® '32 Panel Vans**  
\$49.95 30-8304 ■ O-27 Curves



**Pennsylvania, 4-Bay Hopper 6-Car Set**  
\$199.95 30-7553 ■ O-27 Curves



**CP Rail, 6-Car Work Train Set**  
\$199.95 30-7009 ■ O-27 Curves



**Baltimore & Ohio, 6-Car Freight Set**  
\$199.95 30-7010 ■ O-31 Curves

## RailKing Holiday Freight Cars



**Christmas, 3-Car Specialty Set**  
\$79.95 30-7019 ■ O-27 Curves

Add some Christmas spirit to your layout this year with these RailKing Christmas 2000 cars. Specially designed by M.T.H.'s own Art Department, these freight cars will look festive behind any RailKing engine, whether you set up under your Christmas tree for a traditional holiday look or simply add them to an existing layout. The three-car set includes a decorated box car, a gondola car, and a lighted caboose.



# RailKing Operating Freight Cars

Make yours an authentic working railroad with RailKing operating freight cars.



Hopper Full!



**Virginian**, Hopper Car with Operating Coal Load  
\$44.95 30-7551 ■ O-27 Curves



Hopper Empty!



**Pennsylvania**, Hopper Car with Operating Coal Load  
\$44.95 30-7550 ■ O-27 Curves



**Pennsylvania**, Dump Car with Operating Bay  
\$39.95 30-7951 ■ O-31 Curves



**Western Pacific**, Dump Car with Operating Bay  
\$39.95 30-7952 ■ O-31 Curves



Dump your Load!



Turn on the snow plow!



And watch the blades Spin!



**Great Northern**, Rotary Snow Plow  
\$59.95 30-7929 ■ O-27 Curves



**Southern Pacific**, Rotary Snow Plow  
\$59.95 30-7930 ■ O-27 Curves



**Pennsylvania**, Operating Box Car with Signal Man  
\$49.95 30-7465 ■ O-27 Curves

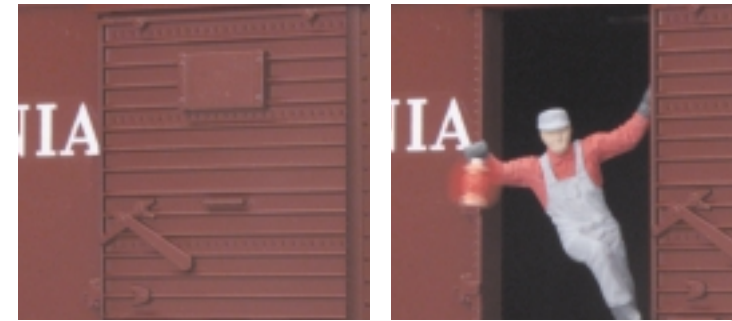


**Union Pacific**, Operating Box Car with Signal Man  
\$49.95 30-7466 ■ O-27 Curves

Take your layout vertical with a helicopter that really flies!



**TV4**, Flat Car with Operating Helicopter  
\$59.95 30-7695 ■ O-27 Curves



new!

When you activate the box car, the door slides open and the signal man leans out with a lighted lantern to give his signal before returning inside.



**M.O.W.**, Operating Hand Car  
\$59.95 30-2526 ■ O-27 Curves



# RailKing Passenger Cars

RailKing passenger cars are available in the popular streamlined and Madison car varieties and in a modern Amtrak Superliner set. No matter what era of the twentieth century you choose to model, our cars will bring authenticity and smooth operation to your layout



**Baltimore & Ohio, 4-Car 0-27 Madison Passenger Set**  
\$159.95 30-6265



**Baltimore & Ohio, 2-Car 0-27 Madison Combine/Diner Set**  
\$79.95 30-6269



**Baltimore & Ohio, O-27 Madison, Coach Car**  
\$39.95 30-6266



**Western Pacific, 4-Car 60' Madison Passenger Set**  
\$179.95 30-6910

Perfect Complement for the Western Pacific 4-8-4 GS-2 Northern Steamer  
See Page 17



**Western Pacific, 2-Car O-31 60' Madison Combine/Diner Set**  
\$89.95 30-6911



**Western Pacific, 60' Madison Coach Car**  
\$45.95 30-6912

## Features

• Durable ABS Bodies • Operating Metal Couplers and Overhead Lighting • Decorative Interior and Undercarriage Detail • End of Car Diaphragms • Die-Cast 6-Wheel Trucks (Madison) • Two 3rd-Rail Pickups per Car (Madison) • Die-Cast 4-Wheel Trucks (Streamlined and Superliner).

■ O-27 Curve (0-27 Madison) ■ O-31 Curve (60' Madison Superliner and Streamlined)

**O-27 Madison Cars Measure: 13 3/4" x 2 1/2" x 3 1/2"**    **60' Streamlined and Madison Cars Measure: 16 11/16" x 2 5/8" x 3 5/16"**

**Superliner Cars Measure: 16 3/4" x 2 1/2" x 4"**



**Amtrak, 4-Car 0-31 Superliner Set**  
\$179.95 30-6500



**Southern Pacific, 4-Car 60' Streamlined ABS Passenger Set**  
\$179.95 30-6735

Perfect Complement for the Southern Pacific 4-8-4 GS-2 Northern Steamer  
See Page 17



**Southern Pacific, 2-Car 60' Streamlined ABS Sleeper/Diner Set**  
\$89.95 30-6744



**Southern Pacific, 60' Streamlined ABS Coach Car**  
\$45.95 30-6736

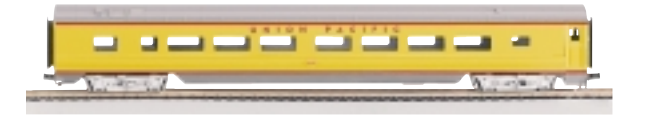


**Union Pacific, 4-Car 60' Streamlined ABS Passenger Set**  
\$179.95 30-6737

Perfect Complement for the Union Pacific Alco PA AA Diesel Set  
See Page 25



**Union Pacific, 2-Car 60' Streamlined ABS Sleeper/Diner Set**  
\$89.95 30-6738



**Union Pacific, 60' Streamlined ABS Coach Car**  
\$45.95 30-6739



**Erie Lackawanna, 4-Car 60' Streamlined ABS Passenger Set**  
\$179.95 30-6741

Perfect Complement for the Erie Lackawanna Alco PA AA Diesel Set  
See Page 25



**Erie Lackawanna, 2-Car 60' Streamlined ABS Sleeper/Diner Set**  
\$89.95 30-6742



**Erie Lackawanna, 60' Streamlined ABS Coach Car**  
\$45.95 30-6743





# CONTENTS

M.T.H.'s Premier line represents the pinnacle of model railroading. These O Scale models are beautifully detailed replicas of the prototypes, and they are designed for serious model railroaders who consider accuracy essential. Many collectors consider Premier models the pride of their display cases, but they are powerful and solidly built to provide years of action on a layout.

- 48 Premier Steam Locomotives**  
*USRA 2-8-2 Mikado, GN R-2 2-8-8-2, PRR 2-8-0 Consolidation, ATSF 2-10-4 Texas*
- 56 Premier Diesel Locomotives**  
*SD70M, SD70M Boxed Set, SD24, FT ABA Set, GP-30, GP-9, Sharknose AB Set*
- 70 Premier Transit Sets**  
*New York R-23 4-Car Subway Set*
- 72 Premier Freight Cars**
- 81 Premier Passenger Cars**

### Steam Locomotive Wheels

Each set of wheels on a steam locomotive serves a particular purpose: those on the pilot truck, the drivers, and those on the trailing truck. The pilot wheels help to stabilize the front of the engine and steer the locomotive down the track. The drivers provide the tractive effort, or pulling power, of the engine. The more numerous the drivers, the better an engine can pull its weight. And the wheels on the trailing truck support the firebox. The more trailing wheels there are, the larger the firebox it can support, and larger fireboxes generate more horsepower.

By and large, the evolution of the steam engine emphasized the theory that bigger is better, but railroads selected the engines best suited for particular jobs. Larger drivers, such as those on the 4-8-4 Northern, provided speed and were best suited to passenger and fast freight service. These fast engines often had four pilot wheels, to provide greater stability at speed. Smaller drivers, like the ones on the 2-8-2 Mikado, provided power and were best suited to switching and drag freight duties. While the extra horsepower provided by four-wheel trailing trucks and their larger fireboxes generally eclipsed two-wheel trailing trucks on the mainline, smaller branch lines often found that the two-wheel trailing trucks were sufficient for their needs. The development of ever-larger steamers explains why we often find locomotives that began as the most powerful engines on their mainlines ending their careers in branch or yard service.

PAGE 48 Steam Engines



PAGE 56 Diesel Engines



PAGE 70 Transit Set





# USRA 2-8-2 Light Mikado Steam Locomotive

## United States Railroad Administration (USRA)

When the United States entered World War I, there was a huge increase in rail traffic. Since war materials had to go to Europe, everything traveled east, across the dozens of railroads that tied the nation together. Soon, locomotives and freight cars were in short supply, and trains were delayed as they moved from one rail carrier to another. On December 26th, 1917, President Wilson signed an order that effectively nationalized the rail network, under the control of a newly formed governmental body: the United States Railway Administration (USRA).

The USRA coordinated shipments on a continent-wide basis and standardized operations. They developed a set of standard steam locomotive designs, requiring that all new engines built conform to these government specifications. This allowed the engines to roll off the assembly line quickly, alleviating the shortage of power that was leaving loaded boxcars stuck in the heartland.

Railroads received hundreds of these standard USRA steam locomotives. Their appearance differed only in the names painted on the sides, much like today's diesels. The USRA engines remained familiar faces, pulling trains in everyday service until the end of steam in the late 1950s.

### FACT

The nickname "Mikado" is taken from the popular Gilbert & Sullivan opera set in Japan.



### New York Central USRA 2-8-2 Light Mikado

20-3051-1 Proto-Sound® 2.0 \$699.95



### Nickel Plate Road USRA 2-8-2 Light Mikado

20-3052-1 Proto-Sound® 2.0 \$699.95



### Union Pacific USRA 2-8-2 Light Mikado

20-3053-1 Proto-Sound® 2.0 \$699.95

Add a Union Pacific 6-Car Freight Set  
See Page 79

### Features

- Die-Cast Boiler and Tender Bodies • Die-Cast Metal Chassis • Authentic Paint Scheme • Metal Wheels and Axles • Constant Voltage Headlight • Die-Cast Truck Sides • Precision Pittman® Flywheel Equipped Motor • Engineer and Fireman Figures • Operating Firebox Glow • Metal Handrails and Decorative Bell • Decorative Metal Whistle • Operating Marker Lights • Lighted Cab Interior • Operating ProtoSmoke® System • Remote Controlled Proto-Coupler® • Proto-Sound® 2.0 with Freight Yard Proto-Effects™ ■ O-42 Curves

**Measures: 21 1/2" x 2 1/2" x 3 5/8"**

## USRA 2-8-2 Light Mikado Steam Locomotive

One of the most successful steam engines of all time, the 2-8-2 was produced in the U.S. for 14 years before it was ordered by a U.S. railroad. It earned its nickname "Mikado" (after the popular Gilbert & Sullivan opera set in Japan) in 1897 when Baldwin produced an order for Nippon Railway of Japan, and the name stuck even after American railroads began to use it in 1901.

When the United States Railroad Administration (USRA) temporarily centralized the railroads and standardized locomotive design during World War I, the Mikado, or "Mike" as it was often called, made up the bulk of the fleet. The USRA had the American, Baldwin, and Lima plants build 1,856 locomotives representing eight different wheel arrangements to help with heavy wartime traffic; 858 of those were Mikes. These standardized Mikados (625 of a light version and 233 heavy ones) were so successful that the railroads themselves ordered many duplicates of the USRA design after control was returned to the roads.

M.T.H. recognizes the importance and success of the USRA's wartime efforts by introducing its most numerous engine to our Premier line. The USRA-designed light Mikado appears in the New York Central, Nickel Plate, and Union Pacific markings.

**new!**

**new!**

**new!**





# GN R-2 2-8-8-2 Articulated Steamer



## GN R-2 2-8-8-2 Steam Locomotive

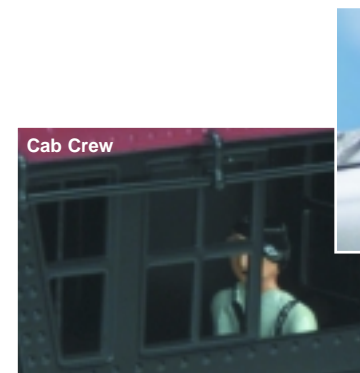
The 2-8-8-2 articulated engines first appeared in 1909 on the Southern Pacific Railroad but, while used across the country for the next fifty years, they became much more popular in the East, where train weights were high but gradients were moderate. In 1925 Great Northern finally received their first four single-expansion 2-8-8-2s. They were so pleased with these Baldwin-built engines that they made 26 more in their own shops over the next five years. Although GN added their final 2-8-8-2s in 1930, they ran them for longer than most railroads did; by 1958, only Great Northern and Norfolk & Western still had these articulateds in service.

M.T.H. adds to our impressive list of articulated steam engines with the long-lived Great Northern R-2 2-8-8-2 engine, which is made of detailed die-cast metal.



**Great Northern GN R-2 2-8-8-2**  
20-3054-1 Proto-Sound® 2.0 \$1395.95

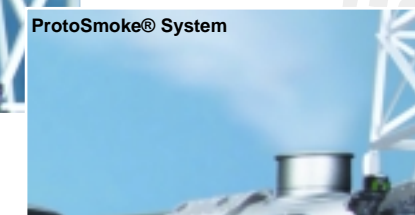
**new!**



Cab Crew



Marker Lights



ProtoSmoke® System

### Articulated Steam Engines

Articulated engines differ from most steam locomotives in that they have two different sets of driver wheels and cylinders. This means that the frame and boiler will pivot independently of each other, allowing the frame to bend without the boiler bending. Articulated engines can go around tighter curves than similarly sized non-articulated engines, which means that railroads can run larger, more powerful engines over their track. Because of the way the wheels are divided, articulateds like the Great Northern R-2 2-8-8-2 modeled in this catalog are often designated as 2-8+8-2. The plus sign indicates that the engine has two separate sets of wheels: a 2-8 arrangement in the front half, and an 8-2 arrangement in the back half. Like the prototypes, M.T.H.'s articulated steamers have two sets of wheels that allow very long engines to tackle smaller circles of track than their length would suggest.

### Features

- Die-Cast Boiler and Tender Body • Die-Cast Metal Chassis • Authentic Paint Scheme • Metal Wheels and Axles
  - Constant Voltage Headlight • Die-Cast Truck Sides • Precision Pittman® Flywheel Equipped Motor • Engineer and Fireman Figures • Operating Firebox Glow • Metal Handrails and Decorative Bell • Decorative Metal Whistle
  - Operating Marker Lights • Lighted Cab Interior • Operating ProtoSmoke® System • Remote Controlled Proto-Coupler® • Operating Tender Back-up Light • Proto-Sound® 2.0 with Freight Yard Proto-Effects™ ■ O-72 Curves
- Measures: 31" x 2 13/16" x 4"**



# PRR H10s 2-8-0 Consolidation Steam Locomotive



## ■ Pennsylvania H10s 2-8-0 Consolidation

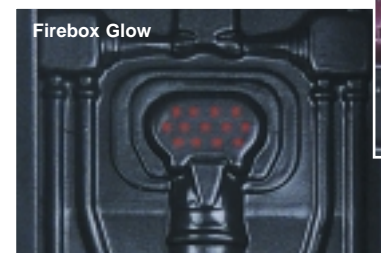
20-3055-1 Proto-Sound® 2.0 \$649.95

**new!**

## PRR H10s 2-8-0 Consolidation Steam Locomotive

At one point in 1924, the Pennsy roster was home to 3,335 2-8-0 Consolidations, proving the importance of this engine as a freight hauler. These workhorses were versatile; they worked the mainline for more than 50 years, and later, when larger engines elbowed them from the mainline, did duty on branch lines, local freights, work trains, and even in yards. The PRR made 10 different variations on their H-class 2-8-0 over the course of more than 30 years. The H10s Consolidation originally worked on Pennsy's Lines West region, though they moved east to help with World War II traffic and remained in the east until the end of Pennsy's steam days.

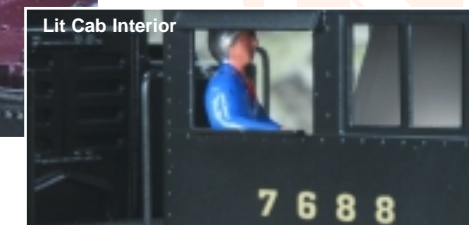
You can take advantage of the Pennsy H10s Consol's famous flexibility on your own railroad, by assigning M.T.H.'s highly detailed, sturdy locomotive duty anywhere on your layout, from a yard to the mainline.



Firebox Glow



Tender Back-up Light



Lit Cab Interior

### Features

- Die-Cast Boiler and Tender Bodies • Die-Cast Metal Chassis • Authentic Paint Scheme • Metal Wheels and Axles
- Constant Voltage Headlight • Die-Cast Truck Sides • Precision Pittman® Flywheel Equipped Motor • Engineer and Fireman Figures • Operating Firebox Glow • Metal Handrails and Decorative Bell • Decorative Metal Whistle
- Operating Marker Lights • Lighted Cab Interior • Operating ProtoSmoke® System • Operating Tender Back-up Light • Remote Controlled Proto-Coupler® • Proto-Sound® 2.0 with Freight Yard Proto-Effects™ ■ O-42 Curves

**Measures:** 19 1/4" x 3 3/4" x 3 3/4"



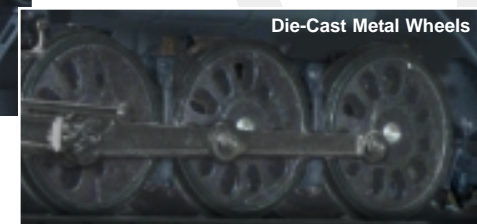
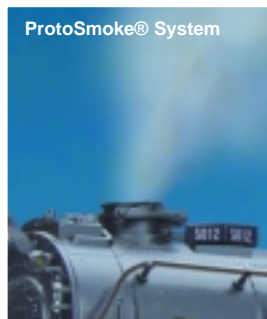


# ATSF 2-10-4 Texas Steam Locomotive



■ **Santa Fe 2-10-4 Texas**  
 20-3056-1 Proto-Sound® 2.0 \$1095.95

Add a Santa Fe 6-Car Reefer Set  
 See Page 79 new!



# Santa

## ATSF 2-10-4 Texas Steam Locomotive

The ATSF railroad introduced the first 2-10-4 steamer in 1919, when they experimented with a 4-wheel trailing truck on a 2-10-2 engine. However, it was not until 1930 that they accepted shipment of a genuine 2-10-4 Texas engine built for them by Baldwin. Number 5000, the "Madame Queen," as the Santa Fe's employees dubbed this monster, weighed in at 502,600 pounds and generated 95,584 pounds of tractive effort. Later ATSF Texas-class engines were even larger and boasted enormous 74-inch drivers. The Texas engines that did not begin as oil burners were eventually converted. The 2-10-4s performed very well in heavy freight service, and the Santa Fe ultimately purchased 36 of the engines, which helped carry World War II tonnage.

M.T.H. presents this grand locomotive as a beautifully detailed, die-cast Premier model, with a long list of impressive features.

- Features**
- Die-Cast Boiler and Tender Bodies • Die-Cast Metal Chassis • Authentic Paint Scheme • Metal Wheels and Axles • Constant Voltage Headlight • Die-Cast Truck Sides • Precision Pittman® Flywheel Equipped Motor
  - Engineer and Fireman Figures • Metal Handrails and Decorative Bell • Decorative Metal Whistle • Operating Marker Lights • Lighted Cab Interior • Operating ProtoSmoke® System • Operating Tender Back-up Light
  - Remote Controlled Proto-Coupler® • Proto-Sound® 2.0 with Freight Yard Proto-Effects™ ■ O-72 Curves
- Measures: 21 9/16" x 2 1/2" x 3 3/4"**





# SD70M Diesel Locomotive



**Union Pacific SD70M**  
20-2288-1 Proto-Sound® 2.0 \$349.95



**Ontario Northland SD70M**  
20-2289-1 Proto-Sound® 2.0 \$349.95



- Features**
- Directionally Controlled Headlights • Metal Wheels and Axles • Die-Cast Truck Sides, Pilots and Fuel Tank
  - (2) Remotely Controlled Proto-Couplers® • Authentic Paint Scheme • Metal Handrails and Decorative Horn
  - All Metal Wheels and Gears • Illuminated Number Boards • Lighted Marker Lights • Spinning Roof Fans
  - Metal Body Side Grills • (2) Precision Flywheel Equipped Motors • Intricately Detailed ABS Body • Metal Chassis • Lighted Cab Interior • (2) Engineer Cab Figures • Operating Smoke Unit • Operating Ditch Lights
  - Proto-Sound® 2.0 with Freight Yard Proto-Effects™ ■ O-42 Curves
- Measures: 18 1/2" x 2 3/4" x 4 1/8"**

## SD70M Diesel Locomotive

In 1992, GM's Electro-Motive Division (EMD) introduced the new SD70 Series of engines, which come in the standard direct-current (DC) and alternating-current (AC) models. One glance at the design of this engine reveals the enormous technological gains in railroading. The SD70 boasts a 32-bit 16MHz control microprocessor named the EM2000. This computer works with the Integrated Cab Electronics (ICE) system to collect, analyze, and display a range of accurate-to-the-second information, such as speed, amps, throttle position, air brake operation, and cab signals. All of this information is displayed on full-color liquid crystal displays that replace the gauges and indicators found on earlier diesels. The 70 Series also employs the HTCR (high-traction three-axle radial) truck that reduces rolling resistance in curves and lateral loads and therefore reduces wear on wheels. EMD estimates this will increase wheel life by 20 percent.

These innovations have led to brisk sales of both the SD70M (DC version) and SD70MAC (AC version), including a Union Pacific order for 1,000 of the SD70Ms. M.T.H.'s model of this engine in the markings of the UP and Ontario Northland railroads includes a beautifully detailed body and all the features shown.





# Alaska Railroad SD70M Boxed Set



## Alaska SD70M and 4-Car 70' ABS Passenger Boxed Set

20-2290-1 Proto-Sound® 2.0 \$599.95

### Features Alaska SD70M

- Directionally Controlled Headlights • Metal Wheels and Axles • Die-Cast Truck Sides, Pilots and Fuel Tank • (2) Remotely Controlled Proto-Couplers® • Authentic Paint Scheme • Metal Handrails and Decorative Horn • All Metal Wheels and Gears • Illuminated Number Boards • Lighted Marker Lights • Spinning Roof Fans • Metal Body Side Grills • (2) Precision Flywheel Equipped Motors • Intricately Detailed ABS Body • Metal Chassis • Lighted Cab Interior • (2) Engineer Cab Figures • Operating Smoke Unit • Operating Ditch Lights • Proto-Sound® 2.0 with Freight Yard Proto-Effects™

■ O-42 Curves  
**Measures: 18 1/2" x 2 3/4" x 4 1/8"**

### Features Alaska, 4-Car 70' ABS Streamlined Passenger Cars

- Durable ABS Intricately Detailed Bodies • Detailed Seat Interiors With Overhead Lighting • Die-Cast 4-Wheel Trucks • Operating Die-Cast Metal Couplers • Colorful, Attractive Paint Scheme • Decorative Brake Wheels • Separate Metal Handrails • Fast-Angle Wheel Sets • Needle-Point Axles • Undercarriage Detail

■ O-42 Curves  
**Measures: 19" x 2 1/2" x 3 3/8"**

## SD70M Diesel Engine Boxed Set

At more than 75 years old, the Alaska Railroad is the last full-service railroad in the United States. It hauls freight and almost half-a-million passengers a year through Alaska, and is the primary form of transportation for many popular tours of the state and for campers bound for Denali and other parklands. The route

includes long stretches where electricity is unavailable and crews have to rely on older methods of signalling, and with only a single track through much of the territory, passenger trains often pull onto sidings to allow fast freight to pass.

The Premier Alaska Railroad SD70 M and passenger cars continue M.T.H.'s proud tradition of boxed sets. This 5-piece set features a powerful, detailed SD70 M engine and four 70' streamlined full vista dome passenger cars.



# SD24 Diesel Locomotive



**Union Pacific SD24**  
20-2281-1 Proto-Sound® 2.0 \$329.95 **new!**



**Southern SD24**  
20-2282-1 Proto-Sound® 2.0 \$329.95 **new!**



**Great Northern SD24**  
20-2296-1 Proto-Sound® 2.0 \$329.95 **new!**



**Burlington SD24**  
20-2297-1 Proto-Sound® 2.0 \$329.95 **new!**



- Features**
- Directionally Controlled Headlights
  - Metal Wheels and Axles • Die-Cast Truck Sides, Pilots and Fuel Tank
  - (2) Remotely Controlled Proto-Couplers® • Authentic Paint Scheme
  - Metal Handrails and Decorative Horn • All Metal Wheels and Gears
  - Illuminated Number Boards
  - Lighted Marker Lights • Spinning Roof Fans • Metal Body Side Grills
  - Lighted Cab Interior • (2) Precision Flywheel Equipped Motors • (2) Engineer Cab Figures • Operating Smoke Unit • Intricately Detailed ABS Body • Metal Chassis • Proto-Sound® 2.0 with Freight Yard Proto-Effects™
  - O-42 Curves
- Measures: 15 3/8" x 2 5/8" x 4"**



## SD24 Diesel Locomotive

In 1958, GM's Electro-Motive Division took a great technological stride forward with the introduction of the turbo-charged SD24. In turbocharged engines, exhaust gases are used to increase cylinder air pressure, thus effectively increasing horsepower. In fact, an engine that produced 1800 horsepower when normally aspirated could produce 2400 horsepower when turbocharged. In addition to the extra power, turbocharged engines run well at different altitudes, which makes them ideal for railroads that travel varied terrain.

The SD24s were close relatives of the popular GP-series engines. They had similar horsepower and the same style body. The primary difference was that SD-series (for "Special Duty") engines were lengthened to make room for three-axle, three-motor trucks. These extra wheels gave SD engines more tractive effort and distributed their weight more widely than did GPs. For this reason, the SD24 and others in the series were ideally suited for secondary lines with lighter rail.

M.T.H. is proud to introduce this landmark engine in our Premier line. It is available in the markings of the Burlington, Great Northern, Southern, and Union Pacific railroads and comes with an impressive set of features.





# FT ABA Diesel Set

**FACT**  
The Santa Fe placed the first order, and its first FT set entered road service in February, 1941.



**Minneapolis & St. Louis FT ABA Set**  
20-2271-1 Proto-Sound® 2.0 \$629.95



**Denver & Rio Grande FT ABA Set**  
20-2272-1 Proto-Sound® 2.0 \$629.95



**Santa Fe FT ABA Set**  
20-2273-1 Proto-Sound® 2.0 \$629.95

Add a 5-Car Passenger Set  
See Page 81



**Electro Motive Division FT ABA Set**  
20-2277-1 Proto-Sound® 2.0 \$629.95

**Features**  
• Directionally Controlled Headlights • Intricately Detailed ABS Bodies • Metal Wheels and Axles • Die-Cast Truck Sides, Pilots and Fuel Tank • (2) Remotely Controlled Proto-Couplers® • Authentic Paint Scheme • Metal Handrails and Decorative Horn • (2) Precision Flywheel Equipped Motors In Each A Unit • All Metal Wheels and Gears • Lighted Cab Interiors • Illuminated Number Boards • Lighted Marker Lights • (2) Engineer Cab Figures In Each A Unit • Spinning Roof Fans • Metal Body Side Grills • Operating MARS Light • Metal Chassis • Proto-Sound® 2.0 with Freight Yard Proto-Effects™ (Santa Fe has Passenger Station Proto-Effects™) ■ O-31 Curves  
**Measures: 37 3/4" x 2 1/2" x 3 1/2"**

## FT ABA Diesel Locomotive Set

In 1939 GM's Electro-Motive Corporation (renamed "Division" in 1941) changed the way railroads would haul freight forever. Steam power was still dominant when EMC introduced the FT multi-unit locomotive. It proved diesel power could handle freight loads on the mainline as efficiently as steam. The ABBA-configured FT demonstrator embarked on an 11-month, 83,764-mile tour of the U.S., showing its flexibility for different kinds of service on 20 Class 1 railroads.

The AB was the basic unit of the FT (named for "Freight, Twenty-seven hundred horsepower"), but it was also often configured as an ABA engine (for 4050 horsepower) or as an ABBA (for 5400 horsepower). It was the success of the FT that enconced the idea of customizing engine configuration for a job, putting together as many engines as were needed for the task at hand. The FT was, in fact, so successful that the War Production Board allowed EMD to continue producing the engine throughout World War II, while it curtailed the competition's production of freight diesels. Production ended in 1945, when the FT gave way to its successors, EMD's successful F-series engines, but not before 25 railroads had bought the engine and it had helped to secure the future of the diesel locomotive on American railroads.

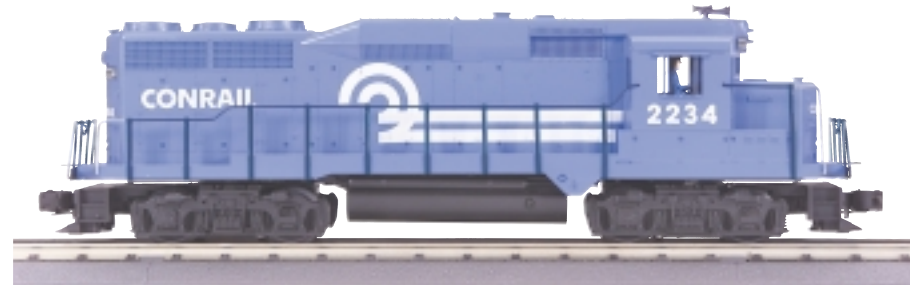
DIESEL LOCOMOTIVES





# GP-30 Diesel Locomotive

**FACT**  
Many GP-30s remained in service for more than 30 years after they were built.



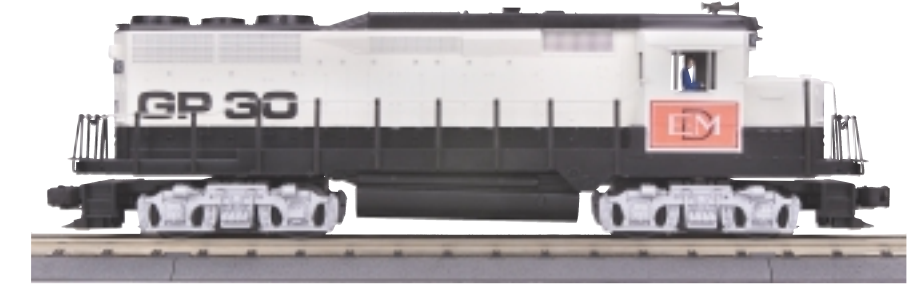
**Conrail GP-30**  
20-2274-1 Proto-Sound® 2.0 \$329.95



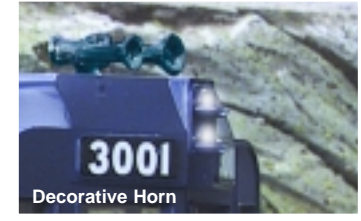
**Chessie GP-30**  
20-2275-1 Proto-Sound® 2.0 \$329.95



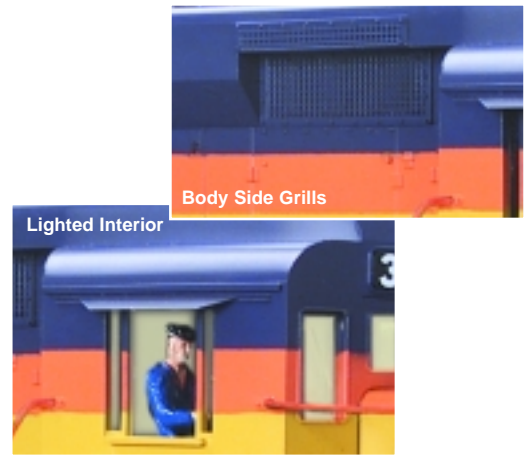
**New York Central GP-30**  
20-2276-1 Proto-Sound® 2.0 \$329.95



**Electro Motive Division GP-30**  
20-2284-1 Proto-Sound® 2.0 \$329.95



- Features**
- Directionally Controlled Headlights
  - Metal Wheels and Axles • Die-Cast Truck Sides, Pilots and Fuel Tank
  - (2) Remotely Controlled Proto-Couplers® • Authentic Paint Scheme
  - Metal Handrails and Decorative Horn • All Metal Wheels and Gears
  - Illuminated Number Boards
  - Lighted Marker Lights • Spinning Roof Fans • Metal Body Side Grills
  - (2) Engineer Cab Figures • Lighted Cab Interior • (2) Precision Flywheel Equipped Motors • Metal Chassis
  - Intricately Detailed ABS Body
  - Proto-Sound® 2.0 with Freight Yard Proto-Effects™ ■ O-31 Curves
- Measures: 15" x 2 3/4" x 4 1/4"**



## GP-30 Diesel Locomotive

Called by *Trains* magazine "nothing less than a landmark unit in Electro-Motive's all-time production record," the GP-30 represented a major shift in EMD's locomotive design. GP-30's departures from earlier Geeps (as the GP class was called) include the relocation of all the engine's radiators to the end of the unit and the centralization of the air distribution system used to cool the traction motors. It is also the only EMD locomotive to bear the distinctive cowed cab-top and streamlined features. The 2250 horsepower GP-30 was developed in direct response to General Electric's announcement of the 2500 horsepower U25B, which introduced the more efficient centralized air distribution system. Although the GP-30 had a lower horsepower rating than GE's U25B, EMD's marketers decided to break with their recent engine-naming practice and introduce the new Geep not as GP-22, which represented its horsepower, but as GP-30, to give it a larger, more powerful number than GE's competing diesel.

The GP-30 was introduced in July 1961. Twenty-seven railroads had bought 948 units by the time production stopped in November 1963. GP-30s were initially used for fast freight service, but as the more powerful GP-35s and GP-40s appeared, the -30s were changed to yard and branch line service.

DIESEL LOCOMOTIVES





# GP-9 Road Switcher

## SWITCHERS AND ROAD SWITCHERS

While switchers are small engines that are most often used in railyards to move cars from one track or shed to another, road switchers are slightly larger and more flexible engines (1500 hp or more) that are small enough to perform yard duties but powerful enough and equipped to carry loads at speed on the mainline, too.



**BNSF GP-9**  
20-2278-1 Proto-Sound® 2.0 \$329.95



**Jersey Central GP-9**  
20-2279-1 Proto-Sound® 2.0 \$329.95



**Wabash GP-9**  
20-2280-1 Proto-Sound® 2.0 \$329.95

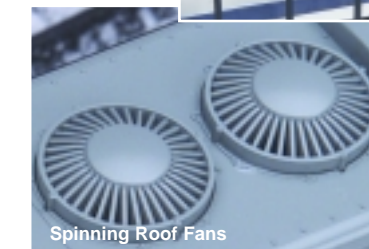


**CalTrain GP-9**  
20-2295-1 Proto-Sound® 2.0 \$329.95



### Features

- Directionally Controlled Headlights
  - Metal Wheels and Axles • Die-Cast Truck Sides, Pilots and Fuel Tank
  - (2) Remotely Controlled Proto-Couplers® • Authentic Paint Scheme
  - Metal Handrails and Decorative Horn • All Metal Wheels and Gears
  - Illuminated Number Boards
  - Lighted Marker Lights • Spinning Roof Fans • Metal Body Side Grills
  - (2) Engineer Cab Figures • Lighted Cab Interior • (2) Precision Flywheel Equipped Motors • Intricately Detailed ABS Body • Metal Chassis
  - Proto-Sound® 2.0 with Freight Yard Proto-Effects™ ■ O-31 Curves
- Measures: 14 3/4" x 2 3/4" x 4"**



## GP-9 Diesel Locomotive

The GP-class engines, widely considered a true railroader's locomotive, evolved from the designer's desire to produce an ugly but entirely functional and economical engine. Dick Dilworth is quoted as saying that he wanted to make a diesel so ugly that railroads would not showboat it but keep it in service in the back country, "where it could really do useful work," and so plain and unornamented that it would sell at a lower price than more glamorous locomotives. Little did he know that railroaders would approve so heartily of his "ugly" engine. In GP (for "General Purpose") engines, commonly called "Geeps," form followed function with results that made it perfect for a variety of railroading duties.

The 1750 horsepower GP-9, introduced in 1954, was an unqualified success, with 3,601 units built. It was a road switcher that earned its General Purpose name by pulling almost every kind of train imaginable, including mainline and way freight, mainline and branchline passenger, and even commuter. Engineers loved the narrow hood that allowed them to see both in front of and behind the locomotive, and mechanics found the engine easy to access and repair.





# Sharknose AB Diesel Set

## Carbody Diesels

Carbody or "cab" diesel locomotives, like the EMD FT, Alco PA and Baldwin Sharknose, were the earliest diesels to catch the attention of the traveling public. Although experimental Diesels were introduced during the 1920s, they were unattractive "boxcab" units that looked like primitive electric engines without a pantograph to connect with the catenary.

By 1937, diesel motor design had advanced to the point that they could generate enough power to pull a passenger train at speed. Manufacturers introduced a new wave of designs, housed in streamlined bodies. With round noses and enclosed engine compartments with porthole windows, carbody units symbolized speed and modernity. Like an airplane or automobile body, the carbody diesels used the cab and body construction to help support the weight of the motors and electrical equipment. Carbody construction allowed a combination of strength and style that dominated the diesel market for the next 20 years until flexible and inexpensive hood units, like the GP-class engines, squeezed carbody units out of the freight market in the 1960s.



**new!**

### Delaware & Hudson Sharknose AB Set

20-2292-1 Proto-Sound® 2.0 \$549.95



**new!**

### Pennsylvania Sharknose AB Set

20-2293-1 Proto-Sound® 2.0 \$549.95



**new!**

### New York Central Sharknose AB Set

20-2294-1 Proto-Sound® 2.0 \$549.95

#### Features

- Directionally Controlled Headlights • Intricately Detailed ABS Bodies • Metal Wheels and Axles • Die-Cast Truck Sides, Pilots and Fuel Tank • (2) Remotely Controlled Proto-Couplers® • Authentic Paint Scheme • Metal Handrails and Decorative Horn • All Metal Wheels and Gears • Illuminated Number Boards • Lighted Marker Lights • Spinning Roof Fans • Metal Body Side Grills • Metal Chassis • (2) Engineer Cab Figures • Lighted Cab Interior • (2) Precision Flywheel Equipped Motors In Each A Unit • Proto-Sound® 2.0 with Freight Yard Proto-Effects™ ■ O-31 Curves

**Measures: 28 7/8" x 2 1/2" x 3 7/8"**

## Sharknose AB Locomotive Set

The name "Sharknose" catches attention, and the unusual, angled profile of these striking diesel locomotives lives up to the name. Although Baldwin's shark-nose carbody, which was inspired by the angled nose of the Pennsylvania Railroad's T1 steam engine, was originally developed for 2000 horsepower passenger units, it was used primarily for freight cab diesels. Baldwin's diesels competed for the freight diesel market directly with Electro-Motive Division's F-3 and with Alco's FA-1. It was the longest of the freight cab diesels, and the angled nose intensified that effect, making for a long, lean look. The Sharknose freight cabs did their jobs well, earning the nickname the "hauling fool." Their unusual air-operated throttles prevented multi-unit operations with other engines, so the Sharknoses survived in their original matched AB sets far longer than EMD, Alco, and Fairbanks-Morse sets did.

The sharknose silhouette was introduced in 1949 on the 1500 horsepower DR-4-4-1500 and used again for freight in 1950-53 on the 1600 horsepower RF-16. This unusual engine is sure to bring a dramatic new look to any O Scale layout.





# New York MTA R-32 4-Car Subway Set



## OILING THE WHEELS

When you first run your freight or passenger cars, and periodically after that, you should lightly oil the point where the axle enters each truck. This will make them run more smoothly and last longer.



## Metropolitan Transit Authority R-32

20-2283-1 Proto-Sound® 2.0 \$449.95

**new!**

that the original distinction between R-32 and R-32A cars is no longer meaningful. These large subway cars are used on the former BMT (Brooklyn-Manhattan Transit Corp.) and IND (Independent) divisions (now called B-1 and B-2 divisions), which have larger tunnels than the former IRT (Interborough Rapid Transit) portions of the unified subway system.

M.T.H. is proud to introduce subway cars to our Premier line-up, and what better way to do it than with cars for one of the world's great subway systems. These beautifully detailed O Scale R-32 cars come with the sounds and signage for the N Train, running between Times Square and Coney Island, for an authentic New York experience.



## Features

- Directionally Controlled Headlights • Intricately Detailed ABS Bodies • Metal Wheels and Axles • (2) Remotely Controlled Proto-Couplers® • Authentic Paint Scheme • Metal Handrails and Decorative Horn • All Metal Wheels and Gears • Illuminated Number Boards • Lighted Marker Lights • (2) Precision Flywheel Equipped Motors • Metal Chassis • (2) Engineer Cab Figures • Die-Cast Truck Sides • Lighted Interior • Variable Locomotive Speed Control • Independent Light Control • Proto-Sound® 2.0 with Station Stop Proto-Effects™ ■ O-42 Curves

Measures: 62" x 2 1/2" x 3 1/2"





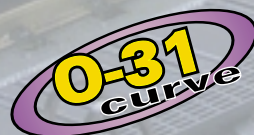
# PREMIER FREIGHT CARS

Premier O Scale freight cars are the perfect complement to our detailed, powerful freight locomotives. Whether you prefer to purchase your cars singly, assemble a unit train, or trace the evolution of a railroad through a series of mergers, M.T.H. has the rolling stock for you, in a variety of car types and paint schemes. Each sturdy freight car now comes in two car numbers, which makes it easier than ever for you to combine them for a realistic train.

## Features:

- Each Car is Available with Two Different Numbers
- Intricately Detailed Durable ABS Bodies
- Caboose Interiors With Overhead Lighting
- Die-Cast 4- or 6-Wheel Trucks
- Operating Die-Cast Metal Couplers
- Colorful, Attractive Paint Schemes
- Decorative Brake Wheels
- Separate Metal Handrails (on cabooses)
- Fast-Angle Wheel Sets
- Needle-Point Axles
- Sliding Box Car Doors
- Stamped Metal Floors (on most cars)
- 1:48 Scale Dimensions

Most Cars Operate on O-31 Curves



**Denver & Rio Grande, Steel Caboose**  
\$44.95 20-91048 ■ O-31 Curves



**New Haven, Extended Vision Caboose**  
\$44.95 20-91036 ■ O-31 Curves



**Union Pacific, Extended Vision Caboose**  
\$44.95 20-91047 ■ O-31 Curves



**Ontario Northland, Extended Vision Caboose**  
\$44.95 20-91050 ■ O-31 Curves



**Santa Fe, Extended Vision Caboose**  
\$44.95 20-91051 ■ O-31 Curves



**Great Northern, Extended Vision Caboose**  
\$44.95 20-91052 ■ O-31 Curves



**New York Central, Bay Window Caboose**  
\$44.95 20-91037 ■ O-31 Curves



**Chessie, Bay Window Caboose**  
\$44.95 20-91038 ■ O-31 Curves



**Conrail, Bay Window Caboose**  
\$44.95 20-91039 ■ O-31 Curves



**Long Island, Bay Window Caboose**  
\$44.95 20-91041 ■ O-31 Curves



**Delaware & Hudson, Bay Window Caboose**  
\$44.95 20-91042 ■ O-31 Curves



**Southern, Bay Window Caboose**  
\$44.95 20-91045 ■ O-31 Curves



**Jersey Central, Steel Caboose**  
\$44.95 20-91040 ■ O-31 Curves



**Minneapolis & St. Louis, Steel Caboose**  
\$44.95 20-91043 ■ O-31 Curves



**Wabash, Steel Caboose**  
\$44.95 20-91044 ■ O-31 Curves



**Nickel Plate Road, Steel Caboose**  
\$44.95 20-91046 ■ O-31 Curves







**Union Pacific, Steel Caboose**  
\$44.95 20-91022 ■ O-31 Curves



**Pennsylvania, N-8 Caboose**  
\$44.95 20-91049 ■ O-31 Curves



**Kansas City Southern, Box Car**  
\$39.95 20-93059 ■ O-31 Curves



**CSX, 50' Waffle Box Car**  
\$42.95 20-93050 ■ O-31 Curves



**Burlington, 50' Box Car**  
\$42.95 20-93058 ■ O-31 Curves



**Ralston Purina, 50' Double Door Plugged Box Car**  
\$42.95 20-93025 ■ O-31 Curves



**Southern, Steel Caboose**  
\$44.95 20-91025 ■ O-31 Curves



**New Haven, Box Car**  
\$39.95 20-93048 ■ O-31 Curves



**Conrail, Box Car**  
\$39.95 20-93060 ■ O-31 Curves



**Santa Fe, Double Door 50' Box Car**  
\$42.95 20-93051 ■ O-31 Curves



**Florida East Coast, 50' Box Car**  
\$42.95 20-93035 ■ O-31 Curves



**Norfolk & Western, 50' Double Door Plugged Box Car**  
\$42.95 20-93033 ■ O-31 Curves



**Norfolk & Western, Steel Caboose**  
\$44.95 20-91027 ■ O-31 Curves



**USPS, Box Car**  
\$42.95 20-93056 ■ O-31 Curves



**Ontario Northland, Box Car**  
\$39.95 20-93061 ■ O-31 Curves



**Conrail, Double Door 50' Box Car**  
\$42.95 20-93052 ■ O-31 Curves



**Union Pacific, Mail Box Car**  
\$42.95 20-93053 ■ O-31 Curves



**Conrail, 100 Ton Hopper**  
\$44.95 20-97431 ■ O-31 Curves



**USPS, Extended Vision Caboose**  
\$49.95 20-91035 ■ O-31 Curves



**USPS, Box Car**  
\$42.95 20-93057 ■ O-31 Curves



**Denver & Rio Grande, 50' Waffle Box Car**  
\$42.95 20-93049 ■ O-31 Curves



**Chessie, Double Door 50' Box Car**  
\$42.95 20-93031 ■ O-31 Curves



**BNSF, Mail Box Car**  
\$42.95 20-93055 ■ O-31 Curves



**Burlington Northern, 100 Ton Hopper**  
\$44.95 20-97432 ■ O-31 Curves





**Southern, 100 Ton Hopper**  
\$44.95 20-97435 ■ O-31 Curves



**New York Central, 2-Bay Offset Hopper**  
\$39.95 20-97429 ■ O-31 Curves



**Burlington, Flat Car with 40' Trailer**  
\$49.95 20-98126 ■ O-31 Curves



**McDonald's®, Flat Car with 48' Trailer**  
\$49.95 20-98134 ■ O-31 Curves



**Caterpillar®, Flat Car with 48' Trailer**  
\$49.95 20-98135 ■ O-31 Curves



**Jersey Central, O Scale Crane Car**  
\$69.95 20-98258 ■ O-31 Curves



**Ontario Northland, 3-Bay Centerflow Hopper**  
\$42.95 20-97433 ■ O-31 Curves



**Norfolk & Western, 2-Bay Offset Hopper**  
\$39.95 20-97430 ■ O-31 Curves



**Denver & Rio Grande, Flat Car with 40' Trailer**  
\$49.95 20-98128 ■ O-31 Curves



**Pennsylvania, Flat Car with Bulkheads**  
\$42.95 20-98131 ■ O-31 Curves



**Chicago NorthWestern, Corrugated Auto Carrier**  
\$44.95 20-98256 ■ O-54 Curves



**Conrail, O Scale Crane Car**  
\$69.95 20-98259 ■ O-31 Curves



**Delaware & Hudson, 3-Bay Centerflow Hopper**  
\$42.95 20-97434 ■ O-31 Curves



**Minneapolis & St. Louis, Flat Car with 40' Trailer**  
\$49.95 20-98130 ■ O-31 Curves



**Southern, Flat Car with Bulkheads**  
\$42.95 20-98132 ■ O-31 Curves



**CSX, Corrugated Auto Carrier**  
\$44.95 20-98257 ■ O-54 Curves



**Jersey Central, O Scale Crane Tender**  
\$44.95 20-98260 ■ O-31 Curves

Look For This  
Display At  
Your Authorized  
M.T.H. Retailer



**Milwaukee Road, Flat Car with 40' Trailer**  
\$49.95 20-98129 ■ O-31 Curves



**Union Pacific, Flat Car with Bulkheads**  
\$42.95 20-98133 ■ O-31 Curves



**Pennsylvania, Snow Plow**  
\$59.95 20-98208 ■ O-31 Curves



**Conrail, O Scale Crane Tender**  
\$44.95 20-98261 ■ O-31 Curves





**Denver & Rio Grande, Steel Sided Stock Car**  
\$39.95 20-94504 ■ O-31 Curves



**Norfolk & Southern, Steel Sided Stock Car**  
\$39.95 20-94505 ■ O-31 Curves



**Union Pacific, Steel Sided Stock Car**  
\$39.95 20-94502 ■ O-31 Curves



**Pennsylvania, Steel Sided Stock Car**  
\$39.95 20-94503 ■ O-31 Curves



**Southern, Tank Car**  
\$42.95 20-96025 ■ O-31 Curves



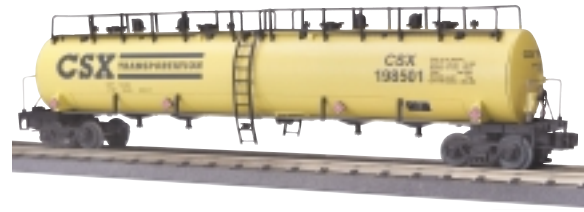
**Jersey Central, Tank Car**  
\$42.95 20-96026 ■ O-31 Curves



**Great Northern, Tank Car**  
\$42.95 20-96027 ■ O-31 Curves



**Pittsburgh & West Virginia, Tank Car**  
\$42.95 20-96028 ■ O-31 Curves



**CSX, 20K Gallon 4-Compartment Tank Car**  
\$42.95 20-96023 ■ O-31 Curves



**Santa Fe, 20K Gallon 4-Compartment Tank Car**  
\$42.95 20-96024 ■ O-31 Curves



**Chesapeake & Ohio, Reefer Car**  
\$39.95 20-94014 ■ O-31 Curves

Each car has a different number for added realism



**Norfolk & Western, 4-Bay Hopper 6-Car Set**  
\$229.95 20-97061 & 20-97062 ■ O-31 Curves



**Union Pacific, 6-Car Double Door 50' Box Car Set**  
\$229.95 20-9007 & 20-9008 ■ O-31 Curves

Perfect Complement for the Union Pacific USRA 2-8-2 Light Mikado  
See Page 49



**Pennsylvania, 4-Bay Hopper 6-Car Set**  
\$229.95 20-97066 & 20-97067 ■ O-31 Curves



**Santa Fe, 6-Car Reefer Set**  
\$229.95 20-90038 & 20-90039 ■ O-31 Curves

Perfect Complement for the ATSF 2-10-4 Texas Steamer  
See Page 55



**Union Pacific, Merger Series Set**  
\$99.95 20-90037 ■ O-31 Curves

Opposite Side of Reefer Car



**Burlington, Gondola with Cover**  
\$36.95 20-98012 ■ O-31 Curves



**New York Central, Gondola with Cover**  
\$36.95 20-98010 ■ O-31 Curves



**Delaware & Hudson, Gondola with Cover**  
\$36.95 20-98011 ■ O-31 Curves

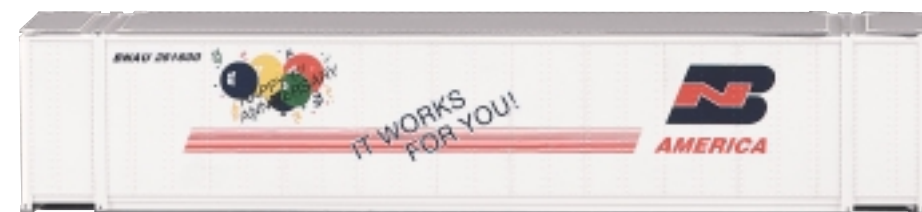


## Premier Freight Loads

Premier Freight Loads are accurately sized for Hi-railers and other modelers among you who want to add detail to 1/4" scale layouts. Add these authentic looking container sets to your flat cars to give your layouts extra touches of realism



Maersk, Hyundai, Rio Grande, 40' Container Set  
\$29.95 20-95038



Trans America, BN, Seaboard, 48' Container Set  
\$34.95 20-95039



Stolt, Sea Containers, CCR, Tank Container Set  
\$24.95 20-95040



## Premier Passenger Cars

It is hard to match the excitement and beauty of a long, sleek passenger train speeding down the rails. Our elegant scale streamlined cars will bring exactly the right, realistic look to your passenger service. And the sturdy, light-weight ABS construction allows you to run more cars with less drag.



Santa Fe, 5-Car 70' ABS Passenger Set - Ribbed  
\$249.95 20-6570

Perfect Complement for the FT ABA Diesel Set  
See Page 63



Santa Fe, 2-Car 70' ABS Sleeper/Diner Passenger Set - Ribbed  
\$99.95 20-6670



Santa Fe, 70' ABS Full Length Vista Dome Passenger Car - Ribbed  
\$59.95 20-6770



5-Car Sets Feature  
1 Baggage  
2 Coaches  
1 Vista Dome  
1 Observation

2-Car Sets Feature  
1 Sleeper  
1 Diner Car

### Features

- Durable ABS Intricately Detailed Bodies • Detailed Seat Interiors With Overhead Lighting • Die-Cast 4-Wheel Trucks • Operating Die-Cast Metal Couplers • Colorful, Attractive Paint Schemes • Decorative Brake Wheels • Separate Metal Handrails • Fast-Angle Wheel Sets • Needle-Point Axles
  - Sliding Baggage Car Doors • Undercarriage Detail ■ O-42 Curve
- 70' Streamlined Cars Measure: 19" x 2 1/2" x 3 3/8"**







# CONTENTS

The Tinplate Traditions® line is M.T.H.'s homage to model railroading's grand pre-war past. These beautiful and colorful models reproduce the artistry of classic tinplate pieces. Tinplate Traditions provides collectors who cannot afford the thousands of dollars it takes to acquire a pre-World War II original with access to faithful, high-quality reproductions of these beautiful trains.

## 84 Tinplate Traditions Steam Locomotive & Passenger Sets

*400E Tinplate Steam & Passenger Sets*

## 86 Tinplate Traditions Electric Locomotive & Passenger Sets

*3243R Electric Engine & Passenger Sets*

## 88 Tinplate Traditions Freight Cars

PAGE 84 Steam Engines



PAGE 86 Electric Engine Passenger Set



PAGE 88 Freight Cars





# 400E Steam Locomotive



**FACT**  
400E is the largest Standard Gauge tinplate steamer.



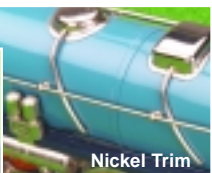
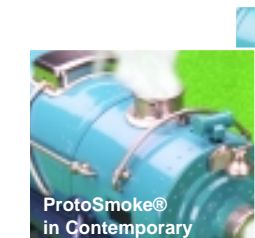
■ **Two-Tone Blue with Nickel Trim 400E**  
10-1153-0 Traditional \$799.95  
10-1153-1 Contemporary \$799.95



■ **Two-Tone Blue, 4-Car Std. Gauge Blue Comet Set**  
10-1157 \$1199.95



■ **Gray with Brass Trim 400E**  
10-1154-0 Traditional \$799.95  
10-1154-1 Contemporary \$799.95



## 400E Tinplate Steam Locomotive

The 400E is the most popular and most sought after of the original pre-war tinplate engines. The largest of the Standard Gauge tinplate steamers, this engine was introduced in 1931 and was an immediate sensation. The 400E is

best known for pulling the Blue Comet passenger set (also available), but it is also one of only two steamers to pull the large 200-series freight cars, which gives you extra flexibility on your railroad.

M.T.H. is proud to make the shiny baked enamel finish of this 4-4-4 steam locomotive available to customers in two classic colors: two-tone blue with nickel trim to complement the Blue Comet passenger set, and gun-metal gray with brass trim to go with our tinplate freight cars. The engines are available with traditional or contemporary equipment packages.

Pair this beautiful engine with the Blue Comet cars or with your 200-series freight cars to bring this legend back to life.

**Features**  
**Traditional:** • Die-Cast Metal Frame • Baked Enamel Finish • Stamped Steel Body and Chassis • Metal Wheels and Axles • Operating Metal Latch Couplers • Track Voltage Operating Headlight • Metal Handrails and Decorative Bell • Decorative Metal Whistle • Brass or Nickel Trim  
**Contemporary:** • Die-Cast Metal Frame • Baked Enamel Finish • Stamped Steel Body and Chassis • Metal Wheels and Axles • Operating Metal Latch Couplers • Constant Voltage Headlight • Precision Pittman® Flywheel Equipped Motor • Operating ProtoSmoke® System • Metal Handrails and Decorative Bell • Brass or Nickel Trim • Proto-Sound® 2.0 with Passenger Station Proto-Effects™  
**Measures:** 20" x 4 3/4" x 5 1/2"



# 3243R Electric Engine Passenger Set

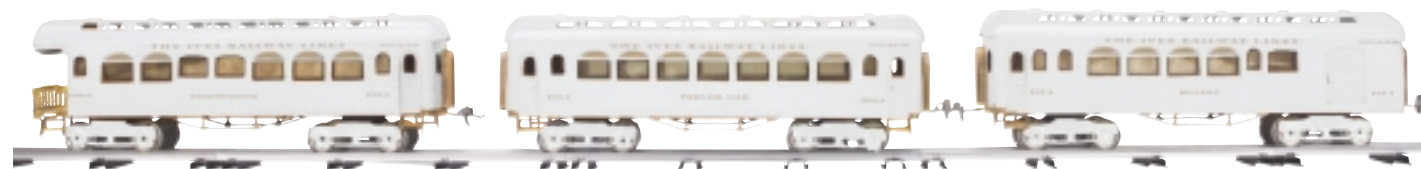
**FACT**  
White 3243Rs were display pieces not intended for retail sale.



**new!**

## White 3243R Electric Engine Passenger Set

10-1155-0	Traditional	\$1499.95
10-1155-1	Contemporary	\$1499.95



**new!**

## Orange 3243R Electric Engine Passenger Set

10-1156-0	Traditional	\$1499.95
10-1156-1	Contemporary	\$1499.95



### Features

**Traditional:** • Die-Cast Metal Chassis • Metal Handrails and Decorative Bell • Decorative Metal Whistle • Stamped Steel Body • Baked Enamel Finish • Metal Wheels and Axles • Operating Metal Latch Couplers • Track Varied Operating Headlight • Nickel Trim

**Contemporary:** • Die-Cast Metal Chassis • Constant Voltage Headlight • Stamped Steel Body • Decorative Metal Whistle • Metal Handrails and Decorative Bell • Precision Flywheel-Equipped Pittman® Motor • Baked Enamel Finish • Proto-Sound® 2.0 with Passenger Station Proto-Effects™

**Measures:** 18" x 4" x 5 3/8"

# 3243R Electric Engine Passenger Set

The 3243 S-Type locomotive was the Ives Company's top quality locomotive for most of the 1920s. It featured a 4-4-4 wheel arrangement and came with a choice of hand-reverse or automatic-sequence-reverse versions. Although it was originally offered for sale in several attention-getting colors, including the orange we offer here, white was not among them. The special white 3243s were display pieces that were not intended for retail sale. However, some of the white trains found their way into enterprising consumers' hands. Fans sometimes referred wrongly to the white 3243 set with matching cars as the "Phoebe Snow" train, though there is no indication that Ives themselves ever intended or recognized this name.

M.T.H. proudly reproduces this fine engine in its 3243R automatic-reverse-sequence traditional version or with contemporary equipment. We offer the engine and matching passenger cars in two of the striking paint schemes that make tinsplate trains so special: white with gold lettering and window frames, and a bright yellow-orange with black trim. Either paint scheme will bring a flash of brilliance to a Standard Gauge layout.

We pair the 3243R electric engines with our beautiful reproductions of three matching Ives 180-series passenger cars to recreate a set anyone will envy.



# Tinplate Freight Cars

M.T.H.'s brightly painted Tinplate Traditions freight cars will delight anyone who loves the authentic look of yesteryear. Equally at home behind M.T.H.'s or original tinplate locomotives, these colorful cars add variety to any old-fashioned layout.



**200 Series Std. Gauge Flat Car**  
 234 Std. Gauge Flat Car (Maroon with Brass Trim) with 1940 Ford Pick-up Truck (Black)  
 10-1148 \$119.95

Original Metal  
Wheels and Axles



**Hopper Car**  
 10-1150 \$129.95



**200 Series Std. Gauge Flat Car**  
 234 Std. Gauge Flat Car (Black with Nickel Trim) with 1940 Ford Pick-up Truck (Red)  
 10-1149 \$119.95

Stamped Metal  
Construction



**Caboose**  
 10-1152 \$129.95



**500 Series Std. Gauge Flat Car**  
 534 Series Std. Gauge Flat Car (Green with Brass Trim) with 1934 Roadster (Black)  
 10-1161 \$119.95

Brightly Painted Baked  
Enamel Finish



**Sand Car**  
 10-1151 \$129.95



**500 Series Std. Gauge Flat Car**  
 534 Series Std. Gauge Flat Car (Black with Nickel Trim) with 1934 Roadster (Yellow)  
 10-1162 \$119.95

Latch Metal  
Couplers



# Take Control of your Railroad!



**Z-4000 Remote Control System**  
Item No. 40-4001 \$79.95

**Z-4000 Remote Control System**  
Puts 400 watts of power in the palm of your hand! Access conventional Proto-Sound features from anywhere on your layout. Can control up to three Z-4000 transformers, and six loops of track.

*Requires: Z-4000 Remote Receiver and Z-4000 Transformer*  
*Range: Approximately 30 feet.*

**RailKing IR Remote**  
Item No. 50-1011 \$39.95

**RailKing Remote Control System**  
Infrared remote control gives you freedom to move around while still controlling your train. Designed for use with Z-500 or Z-750 transformers.

*Requires: Remote Lock-on.*  
*Range: Approximately 15 feet.*



**RailKing Remote Lock-On**  
Item No. 50-1013 \$14.95



**RailKing IR Remote Control System**  
(1) Remote Handheld  
(1) Remote Lock-On  
Item No. 50-1012 \$49.95



**Z-4000 Remote System**  
(1) Remote Handheld  
(1) Remote Receiver  
Item No. 40-4001 \$79.95

**Z-4000 Remote Receiver**  
Item No. 40-4002 \$39.95



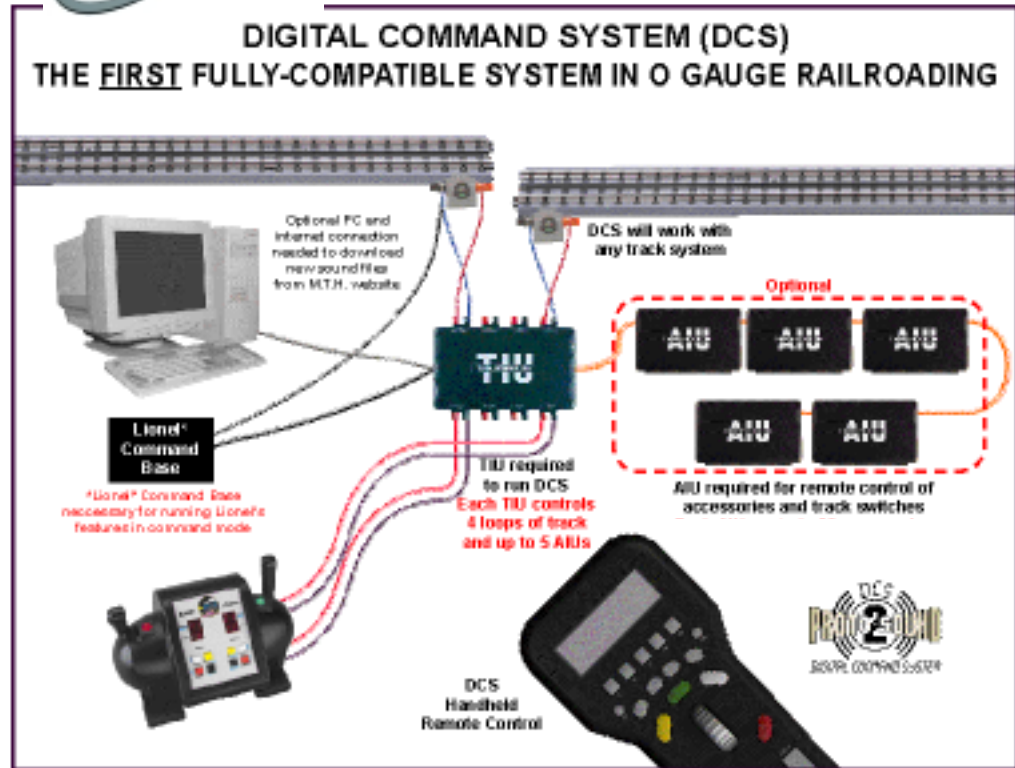
**DCS Remote Control System**  
(1) Remote Handheld  
(1) Remote Lock-On  
Item No. 50-1001 \$199.95



**DCS Accessory Interface (TIU)**  
Item No. 50-1003 \$99.95



**DCS Accessory Interface (AIU)**  
Item No. 50-1004 \$79.95



**DCS Remote Control**  
Item No. 50-1002 \$129.95

**Digital Command System (DCS) Remote Control**  
Leaves track voltage constant and allows you to control multiple Proto-Sound 2.0-equipped engines individually. 32 buttons provide total control over Proto-Sound 2.0 features such as setting scale mph speeds, passenger station announcements, etc.

*Requires: Track Interface Unit (TIU). With Accessory Interface Unit (AIU), you can control track switches and accessories, too.*  
*Range: Approximately 50 feet.*

## Transformers

**Z-500:** For smaller layouts. 50 watts.  
**Z-750:** For smaller layouts. 75 watts.  
**Z-4000:** For large layouts. 400-watt transformer is the most powerful ever to earn the UL listing mark for the model railroading hobby.



**Z-500 Transformer**  
Item No. 40-500 \$49.95



**Z-750 Transformer**  
Item No. 40-750 \$79.95



**Z-4000 Transformer**  
Item No. 40-750 \$399.95





# Proto-Sound 2.0 the operating system for the new millennium

Taking digital sound and train control systems to new heights, Proto-Sound 2.0 is a state-of-the-art digital sound and train control system that you must experience to believe. Our own Research and Development team ensured that its quality, features, and ease of use are unmatched by any other model railroading manufacturer.

Even operators who prefer conventional operation receive the benefits of Proto-Sound 2.0's vastly improved sound quality and speed control. Proto-Sound 2.0's digital sound library uses authentic railroad sounds, including steam chuffing, diesel roar, squeaking brakes, whistles, horns, and bells. Proto-Sound 2.0 has a greater dynamic range than any other sound system, which makes for higher highs and lower lows. It will sound like you're on a siding as a real locomotive streaks by. Speed control works like an automobile cruise control system to stabilize a train's speed as it labors up hills and cruises back down them. This will make for more realistic operation, as your engine travels at constant speeds, just like a real engineer is at the controls.

In command mode, the DCS system leaves the track voltage constant and controls individual engines and accessories themselves. With the DCS Remote Control System and Accessory Interface Unit, you can control multiple engines, tracks, switches, and accessories at one time with a single remote handheld, from 50 feet away. Using this remote, you can command features such as smoke output, lighting, speed adjustment in scale mph increments, an impressive variety of sounds, and even single touch control of multi-unit lash-ups. The DCS system will store and playback a series of commands, record distance traveled via a scale miles odometer, and even let you customize your engine by downloading additional sound packages from the M.T.H. website.

## Bringing Full Compatibility to O Gauge Railroading

M.T.H. is proud to introduce full compatibility to O Gauge command control. In conventional mode, Proto-Sound 2.0 locomotives are fully compatible with all other O Gauge engines, including those made by our competitors. In fact, not only will they run on the same track as other engines, but you can even double-head a Proto-Sound 2.0 engine with any typical 3-rail locomotive.

Fulfilling the promise of full compatibility, DCS can control both the Proto-Sound 2.0 systems and Lionel's® Trainmaster® (TMCC) system, the other 3-rail command control system in O Gauge. As long as you have a Lionel Command Base, you can use a single DCS Remote Control System to operate Proto-Sound 2.0 and Trainmaster engines in command mode at the same time. At last, the limitations of competing command control systems are eliminated! All you need is the Proto-Sound 2.0 Digital Command System, specially engineered to provide a level of compatibility previously unseen in O Gauge.

## How Proto-Sound 2.0 Changed M.T.H. Locomotive Design

The revolutionary changes Proto-Sound 2.0 brings to model railroading forced M.T.H. to change internal locomotive design. Because the computer in Proto-Sound 2.0 controls the entire locomotive,

every feature of the locomotive must be compatible with the new programming. For instance, lighting, smoke units, and couplers are activated in new ways, so they had to be redesigned and integrated into the new system. This means that virtually every element of the locomotive had to be redesigned to operate with Proto-Sound 2.0: even the chassis have been changed.

Fortunately, our engineers planned carefully to make sure that Proto-Sound 2.0 locomotives are fully compatible with other engines. In conventional mode, you can operate Proto-Sound 2.0 engines exactly like, and along side of, every other locomotive on your railroad. What this also means, however, is that since so many components of the locomotive are new, M.T.H. cannot currently provide an upgrade to add Proto-Sound 2.0 features to your earlier engines. We are confident that, just as the railroads used a mix of steam and diesel, old and new equipment, you will find that all your engines can keep their valued places on your railroad.

## Conventional v. Command Operation

All this talk of command and conventional modes sounds complicated, but it's really quite simple.

Conventional mode means that the trains are controlled by the amount of power sent to the track. The higher the track voltage is, the faster the trains will go, and all trains on the same track will react

in the same way to changes in voltage. They will stop and start, speed and slow at the same rate. Track voltage is controlled by moving the throttle on the transformer. That is how all O Gauge trains were until the mid-1990s when command control technology became available.

Command mode is quite different. In a command environment, like Proto-Sound 2.0 with DCS, you control each train, switch, and accessory independently by communicating directly with it. You set the track voltage high, to ensure that the trains get enough power, then leave it alone. The remote control communicates with whichever engine or accessory you want to control and sends it a message telling it what to do. Because each locomotive or accessory responds to signals from the remote independently, you can conduct multiple operations at the same time. Thus, two or more engines can function on the same track at different speeds even though the track voltage is the same and is controlled by the same transformer. Command mode allows for much more realistic - and interesting - operation of a model railroad.

M.T.H.'s Proto-Sound 2.0 engines are capable of operating in either conventional or command mode.

## Proto-Sound 2.0 Conventional Operation Features - Accessible Through Any Compatible Transformer

- Works with 50-60 Hertz
- Authentic Locomotive Chuffing, Diesel or Electric Engine, Bell, and Horn or Whistle Sound Effects
- Authentic Locomotive Start Up and Shutdown Effects
- Directional Lighting
- Proto-Effects Including Cab Chatter, Passenger Station and Freight Yard Sounds
- Proto-Coupler Remote Operation
- Proto-Speed Control (can be disabled)
- Model Railroading's Widest Dynamic Sound Range
- Built-In, Self-Recharging Battery Backup System
- Squealing Brake Sounds
- Maintenance Sound Effects
- Constant Voltage Lighting
- ProtoSmoke Operation



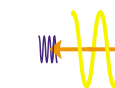
## Proto-Sound 2.0 Digital Command System (DCS) Features - Requires Optional Digital Command System Remote Control And Track Interface Unit (TIU) - All Conventional Features Plus Features Listed Below

- Independent Locomotive Control, even of multiple locomotives on the same track
- Enhanced Proto-Speed Control
- Enhanced ProtoSmoke Operation
- Enhanced Constant Voltage Lighting Control
- Remote Control Over Layout Accessories - Requires No Modification To Accessories (Requires AIU)
- Remote Control Over Track Blocks And Switches - Requires No Modification To Track or Switches (Requires AIU)
- Change Locomotives With Downloadable Sounds
- Proto-Cast
- Proto-Doppler Sound Effects
- Proto-Dispatch
- Extended Locomotive Start Up And Shutdown Effects
- **ALL NEW** Proto-Effects: Coupler Slack Sounds, Wheel Clickety-Clack Sounds, Train Wreck Sounds and Many More
- Independent Volume Control Of Bell, Horn or Whistle, Engine Sounds and Proto-Effects
- Global Volume Control Of All Active Proto-Sound 2.0-Equipped Engines
- Global Or Individual One-Touch Mute
- Global Or Individual One-Touch On Or Off Control
- Diagnostic Memory Features
- Record and Play Back Routes
- Program Multi-Unit Lash-ups

## INSIDE THE TRAINS



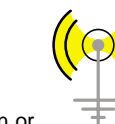
**Proto-Speed Control™** is a cruise control feature that continuously makes adjustments to maintain a steady locomotive speed, much like a real engineer does when travelling over variable terrain. It is standard in both Proto-Sound 2.0 and Loco-Sound engines.



**Proto-Doppler™** puts the wooOooOoo in model railroading. The Doppler Effect lets you hear the engine sound change pitch as it passes, just like the real thing. It is available in Proto-Sound 2.0 engines with the DCS Remote Control System.



**Proto-Dispatch™** lets you broadcast your own voice through the locomotive's speaker. It is available with Proto-Sound 2.0 when it is used with the DCS Remote Control System (a microphone is built into the handheld remote) and with Loco-Sound when it is used with the RailKing Remote Control System and a microphone you provide.



**Proto-Cast™** lets you broadcast an audio recording through the locomotive's speaker. It is available with Proto-Sound 2.0 when it is used with the DCS Remote Control System and an audio source (such as a portable CD or tape player) you provide and with Loco-Sound when it is used with the RailKing Remote Control System and an audio source you provide.







# CONTENTS

While track is not the most glamorous aspect of a pike, it is the foundation of any layout. M.T.H.'s RealTrax and ScaleTrax systems and Standard Gauge track are made of high quality materials with the most reliable operating switches on the market. Derailments and inconsistent operation are a thing of the past when you build your layout with M.T.H. track.

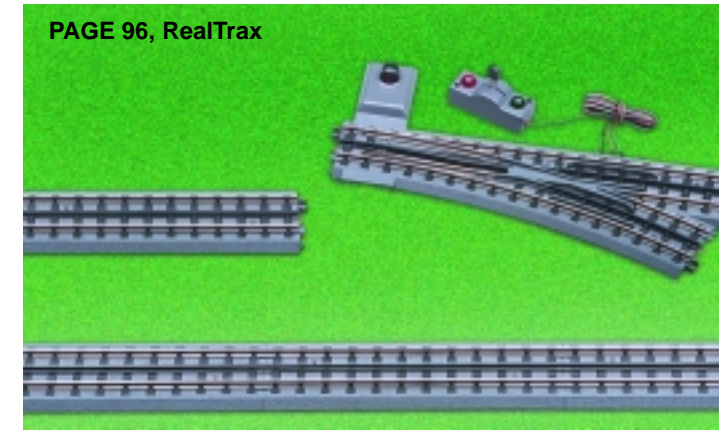
96 **RealTrax®**

100 **ScaleTrax™**

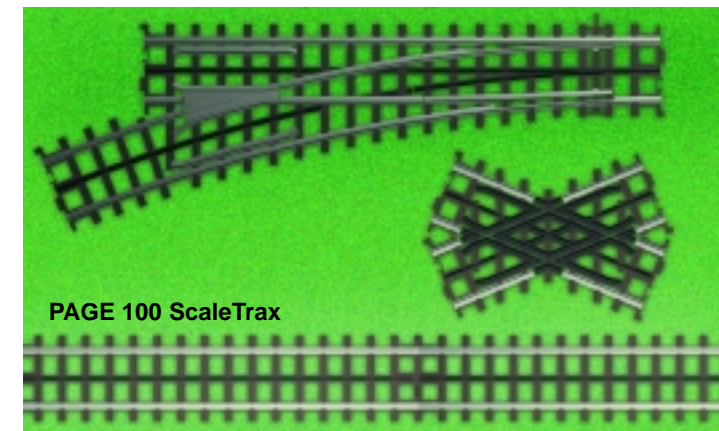
101 **Tinplate Standard Gauge Track**

A significant piece of American railroad history lies in M.T.H.'s own backyard. The Baltimore & Ohio Railroad opened the nation's first double-track railroad, which ran between Baltimore and Ellicott's Mills, MD. The terminus, just 13 miles from the B&O's Mount Clare headquarters (and in the same county as M.T.H.'s headquarters), is home to the oldest rail station in America, an 1831 stone structure, and once boasted a 50-foot turntable. Visitors to the Ellicott City B&O Railroad Station Museum that now inhabits the station are often treated to short rides on a stretch of the oldest railroad in the country and can view a large HO layout that depicts the original B&O line

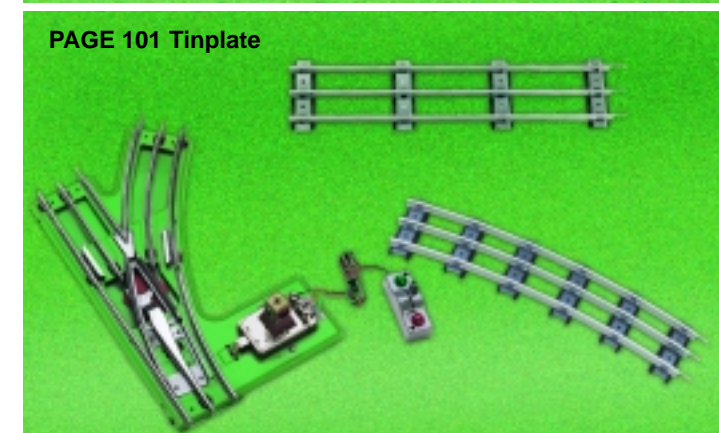
PAGE 96, RealTrax



PAGE 100 ScaleTrax



PAGE 101 Tinplate







## RealTrax® is a Snap!

M.T.H. RealTrax® snap-together track system makes model railroading easier than ever. RealTrax is so simple even a child can assemble a loop of track in minutes. Just align adjoining pieces of RealTrax and firmly press them together until they snap into place. RealTrax is the only O Gauge track system to feature an authentic looking roadbed built into each track section. The roadbed adds realism to layouts and catches any grease or oil that drips from an engine. RealTrax® can be set up anywhere, even on most carpet, because the roadbed anchors it and protects the surface beneath it.

### Features:

- Easy To Connect Snap-Together Track Sections
- Molded Realistic Roadbed
- Authentic Looking Railroad Ties
- Solid Nickel-Silver Rails
- Does Not Require Connecting Pins or Rail Joiners
- Compatible with Tubular Track Systems
- Non-Derailing Switches
- Rotating Lighted Switch Lantern



**O-42 Half Curved Track Section**  
Item No. 40-1045 \$3.50



**O-31 Curved Track Section**  
Item No. 40-1002 \$3.50



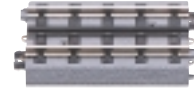
**O-72 Curved Track Section**  
Item No. 40-1010 \$4.99  
(NOT SHOWN)

**O-42 Curved Track Section**  
Item No. 40-1042 \$3.50

**O-54 Curved Track Section**  
Item No. 40-1054 \$4.99



**3.5" Track Section**  
Item No. 40-1018 \$3.50



**4.25" Track Section**  
Item No. 40-1017 \$3.50



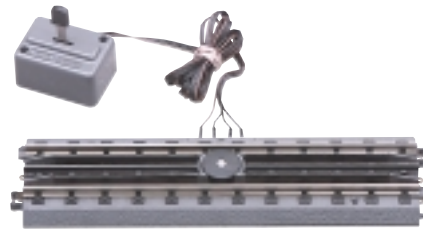
**5" Track Section**  
Item No. 40-1016 \$3.50



**5.5" Track Section**  
Item No. 40-1012 \$3.50



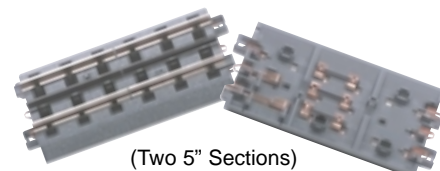
**10" Straight Track Section**  
Item No. 40-1001 \$3.50



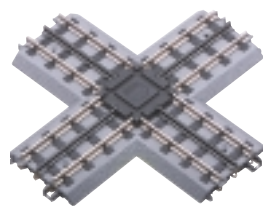
**Uncoupling Track Section**  
Item No. 40-1008 \$29.95



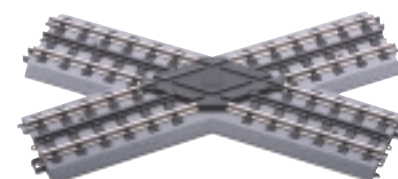
**Adapter Track Section**  
Item No. 40-1011 \$7.99



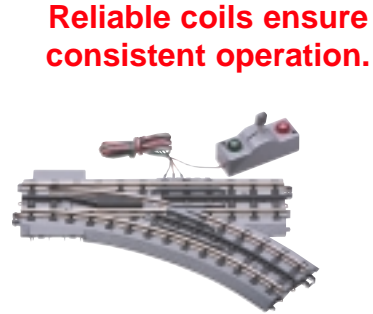
**10" Insulated Straight Track**  
Item No. 40-1029 \$7.99



**90° Crossover Track**  
Item No. 40-1006 \$19.95



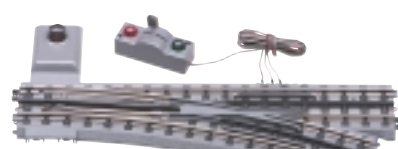
**45° Crossover Track**  
Item No. 40-1007 \$19.95



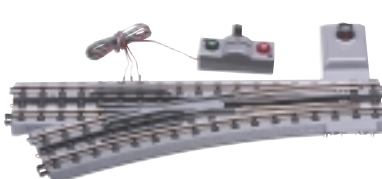
**O-31 Right Switch**  
Item No. 40-1004 \$49.95



**O-31 Left Switch**  
Item No. 40-1005 \$49.95



**O-72 Right Switch**  
Item No. 40-1020 \$69.95



**O-72 Left Switch**  
Item No. 40-1021 \$69.95

Reliable coils ensure consistent operation.



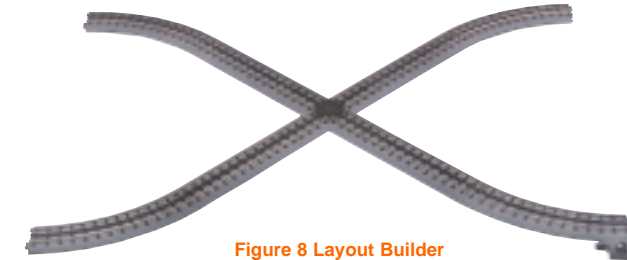
**Left Hand Track Siding Layout**  
Item No. 40-1026 \$79.95

Contains (1) Left-Hand O-31 Switch, (4) 10" Straights, (1) O-31 Curve, (1) RealTrax® Bumper



**Right Hand Track Siding Layout**  
Item No. 40-1027 \$79.95

Contains (1) Right-Hand O-31 Switch, (4) 10" Straights, (1) O-31 Curve, (1) RealTrax® Bumper



**Figure 8 Layout Builder**  
Item No. 40-1025 \$49.95

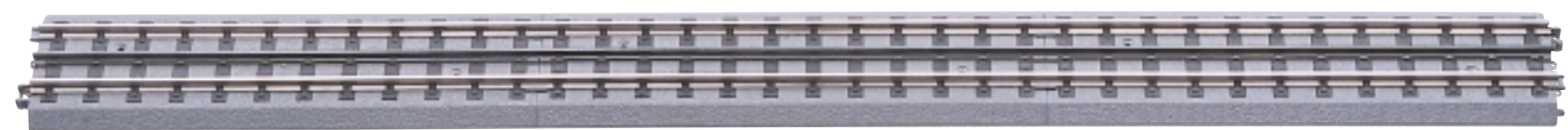
Contains: (4) O-31 Curves, (4) 10" Straights, (1) Lighted Lock-On, (1) 90 Degree Crossover

**Layout Builder 8 Piece**  
Item No. 40-1023 \$49.95  
(Not Shown)

Contains: (2) 3.5" Half Tracks, (2) 4.25" Half Tracks, (2) 5.0" Half Tracks, (2) 5.5" Half

### Layout Builder

Expand your RealTrax® layout quickly and easily with M.T.H. Layout builder packs. Each pack includes all you need to configure many popular RealTrax layout schemes. Thanks to easy to assemble sections and color-coded wiring terminals, RealTrax Layout Builder packs will help you expand your empire in no time.



**30" Straight Track Section**  
Item No. 40-1019 \$9.95



**RailKing Hell Gate Bridge**  
34 1/2" in length (Red & Gray)  
Item No. 30-9020 \$199.95



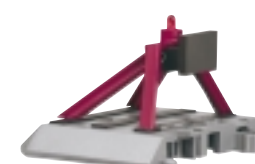
**RailKing Hell Gate Bridge**  
34 1/2" in length (Cream & Green)  
Item No. 30-9021 \$199.95



**Lighted Lock-On**  
Item No. 40-1003 \$4.99



**Non-Slip Track Pads (50 pcs.)**  
Item No. 40-1046 \$4.95



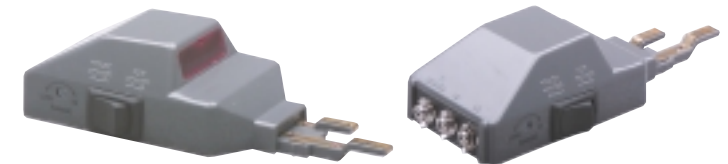
**Lighted Bumper**  
Measures: 2 1/4" x 3" w x 1 3/4" h  
Item No. 40-1024 \$12.95

### ITAD (Infrared Track Activation Device):

M.T.H.'s ITAD uses a beam of infrared light to detect a passing train and turn accessories on and off automatically.

#### I.T.A.D. Features:

- Plug-In Connection
- Multiple Accessory Control
- 10 Amp Capacity



**Track Activation Device (I.T.A.D.)**  
Item No. 40-1028 \$19.95



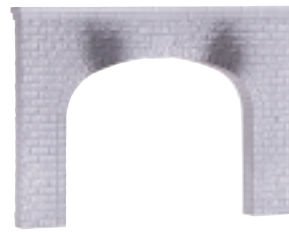
MY LIGHT BLINKS RED



I AM PRE-WIRED

**O Steel Arch Bridge**  
ABS Construction, 30" in length, Additional girder sections 10" in length  
Item No. 40-1031 \$59.95

**O Bridge Girder**  
ABS Construction, 10" in length, Includes (2) stone bridge supports  
Item No. 40-1032 \$19.95



**Double Tunnel Portal**  
ABS Construction  
Item No. 40-9015 \$19.95



**Single Tunnel Portal**  
ABS Construction  
Item No. 40-9014 \$14.95



**Wire harness**  
Includes 2 wires with male banana plugs at each end.  
Item No. 40-1015 \$3.99

**RealTrax® Trestle System**

The RealTrax® line is now complete with the addition of the RealTrax Elevated and Graduated Trestle Systems. The 24-piece RealTrax Graduated Trestle consists of 12 pairs of piers, pier bases and track holders - each different in height to create a 4.7% grade that rises to 6 1/2 inches above a crossing track section below. Each RealTrax section simply slides into the track holder. No track mounting screws are necessary to attach track to the piers. Now you may add verticality to your RealTrax layout as easily as with other trestle systems.

The RealTrax® Trestle System is also compatible with tubular track. Any O-gauge model railroad can enjoy the realism, flexibility and simplicity of its design.



**24 Piece Graduated Trestle**  
ABS Construction  
Item No. 40-1033 \$29.95

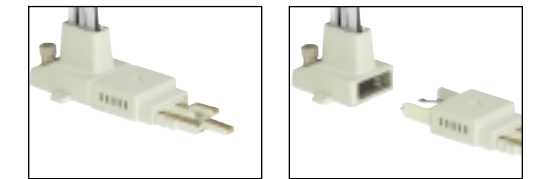
**8 Piece Elevated Trestle System**  
ABS Construction  
Item No. 40-1034 \$14.95

**Features:**

- Multiple Sized Pier Sections
- RealTrax® and O-gauge Tubular Track Slide In Place
- Durable ABS Construction
- Rises 6 1/2 Inches High
- 4.7% Grade
- Simple, Snap Together Assembly
- Accepts Any O Gauge Track Type

**RealTrax® Catenary System**

MTH is proud to announce its RealTrax® Catenary System and RealTrax Catenary Expander. As with all RealTrax products, the RealTrax Catenary is easy to use. Simply plug-in the authentic-looking catenary poles to the RealTrax Lock-On cutouts, position the wire per your layout's requirements, and enjoy the realism of a fully functional easy-to-use catenary system.



Modular construction makes it easy to use with any track system.

**Features:**

- Compatible with RealTrax® or any other O-Gauge Track
- Removable RealTrax® Lock-On Base Connection
- Thumbscrew Power Terminals
- Adjustable Pole Spacing
- Adjustable Messenger Beam Height
- Adjustable Wire Positioning
- Base Mounting Screws Included



**8 Piece Catenary System**  
Item No. 40-1035 \$149.95

**4 Piece Add On Catenary System**  
Item No. 40-1036 \$79.95



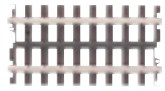
# SCALETRAX™

BY M.T.H. ELECTRIC TRAINS

Solid Nickel-Silver Rails  
Molded-In Track Section Connections for Easy Assembly  
Lowest Most Realistic 3-Rail O Gauge Track  
Low Profile Appearance with "Near Scale" Proportions



ScaleTrax™ 1.75" Straight Track Section  
Item No. 45-1011 \$2.49



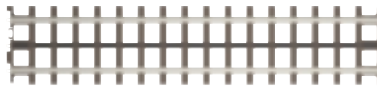
ScaleTrax™ 4.25" Straight Track Section  
Item No. 45-1012 \$3.50



ScaleTrax™ 5.0" Straight Track Section  
Item No. 45-1013 \$3.50



ScaleTrax™ 5.5" Straight Track Section  
Item No. 45-1014 \$3.50

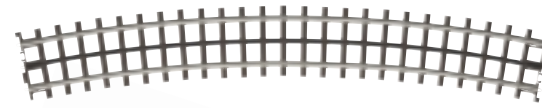


ScaleTrax™ 10" Straight Track Section  
Item No. 45-1001 \$3.25



O Scale ITAD Signal Box  
Item No. 45-1028 \$19.95

**new!**



ScaleTrax™ 0-80 Curved Track Section  
Item No. 45-1034 \$4.99



ScaleTrax™ 0-72 Curved Track Section  
Item No. 45-1010 \$4.75



ScaleTrax™ 0-31 Curve Track Section  
Item No. 45-1002 \$3.50



ScaleTrax™ 0-54 Curved Track Section  
Item No. 45-1007 \$3.50

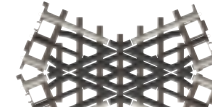


ScaleTrax™ 22° Crossing  
Item No. 45-1015 \$19.95

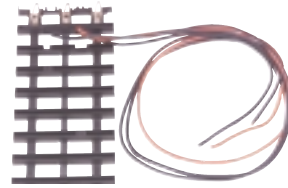
(Not Shown)  
ScaleTrax™ 0-31 Switch (LH)  
Item No. 45-1003 \$49.95  
ScaleTrax™ 0-31 Switch (RH)  
Item No. 45-1004 \$49.95



ScaleTrax™ 90° Crossing  
Item No. 45-1005 \$19.95



ScaleTrax™ 45° Crossing  
Item No. 45-1006 \$19.95



Each FlexTrack Section requires (4) lockons when attaching to non-FlexTrack sections and (2) lockons when attaching to FlexTrack sections

ScaleTrax™ Lock-On  
Item No. 45-1033 \$3.99



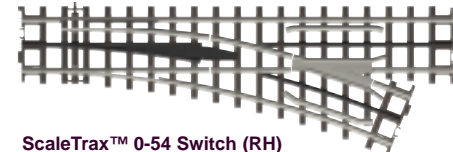
ScaleTrax™ Bumper  
Item No. 45-1025 \$15.95



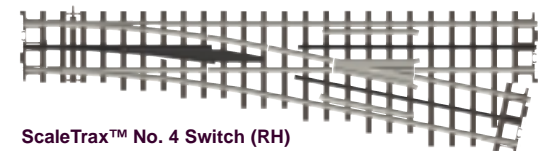
ScaleTrax™ 30" Straight Track Section  
Item No. 45-1019 \$9.95



ScaleTrax™ 0-72 Switch (RH)  
Item No. 45-1020 \$49.95  
ScaleTrax™ 0-72 Switch (LH)  
Item No. 45-1021 \$49.95



ScaleTrax™ 0-54 Switch (RH)  
Item No. 45-1009 \$49.95  
ScaleTrax™ 0-54 Switch (LH)  
Item No. 45-1008 \$49.95



ScaleTrax™ No. 4 Switch (RH)  
Item No. 45-1051 \$59.95  
ScaleTrax™ No. 4 Switch (LH) **new!**  
Item No. 45-1050 \$59.95



ScaleTrax™ No. 6 Switch (RH)  
Item No. 45-1053 \$69.95  
ScaleTrax™ No. 6 Switch (LH) **new!**  
Item No. 45-1052 \$69.95



ScaleTrax™ 15" Uncoupling Track Section  
Item No. 45-1035 \$19.95



ScaleTrax™ 30" Flex Track Section  
Item No. 45-1049 \$9.95

# TINPLATE TRADITIONS®

By M.T.H. Electric Trains®



Standard Gauge Track Regular Straight Section  
Item No. 10-1038 \$3.50



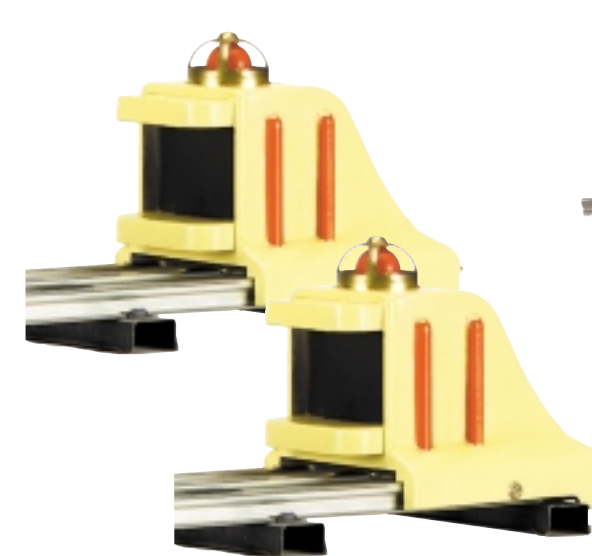
Standard Gauge Track Regular Curved Section  
Item No. 10-1039 \$3.50



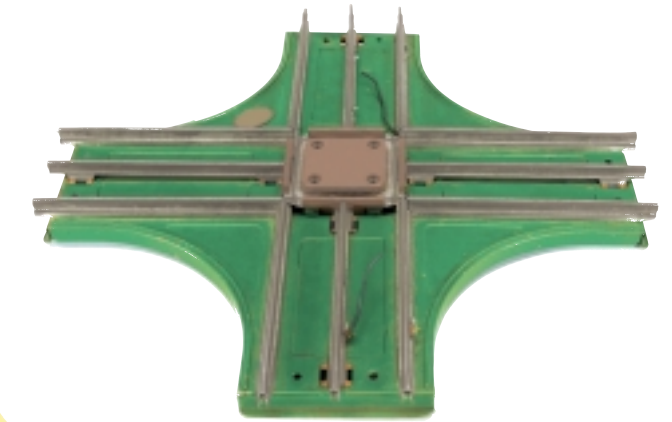
Standard Gauge Track Straight with Wide Ties  
Item No. 10-1040 \$3.95



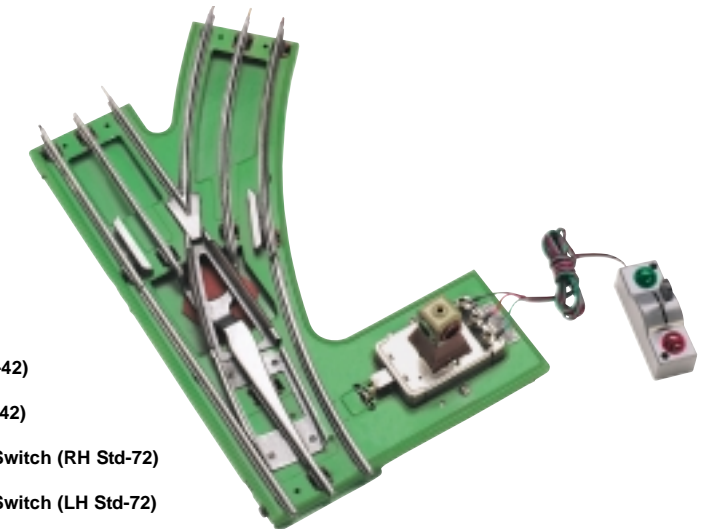
Standard Gauge Track with Wide Radius Curve  
Item No. 10-1041 \$3.95



Standard Gauge Bumpers  
Item No. 10-4005 \$49.95



Standard Gauge 90° Crossover  
Item No. 10-4006 \$49.95



Standard Gauge Switch (RH Std-42)  
Item No. 10-4001 \$79.95  
Standard Gauge Switch (LH Std-42)  
Item No. 10-4002 \$79.95  
Standard Gauge (Wide Radius) Switch (RH Std-72)  
Item No. 10-4003 \$89.95  
Standard Gauge (Wide Radius) Switch (LH Std-72)  
Item No. 10-4004 \$89.95

Standard Gauge railroaders can find the classic look and feel of tinsplate track and switches only at M.T.H. Thanks to our smooth operating mechanisms, our tinsplate track is sure to work far better than expensive and hard-to-find originals, while maintaining the integrity of the pre-war appearance

ScaleTrax™ by M.T.H. is the ultimate track layout solution for Hi-railers and other detail oriented 3-rail model railroaders. No longer will an O Gauge modeler have to accept the tubular track look, because the ScaleTrax low profile offers maximum accuracy and the exceptional quality of M.T.H. products. Whether assembling your first layout or replacing your old track, ScaleTrax is the most realistic and durable 3-rail scale O-gauge track system available.



# ACCESSORIES



# CONTENTS

Accessories are the perfect way to put your unique stamp on your layout and make it come alive. Your trains need scenery to pass, places to stop, and passengers to carry. M.T.H.'s fully assembled, easy-to-wire accessories are an easy way to add the buildings, signals, signs, and even people that bring a layout to life. Choose your favorite accessories to create the world you want.

104 **RailKing® Accessories**

110 **RailTown® Buildings**

112 **RailTown® Operating Buildings**

113 **Tinplate Accessories**

PAGE 104 RailKing Accessories



PAGE 110, RailTown Buildings



PAGE 113 Tinplate Accessories





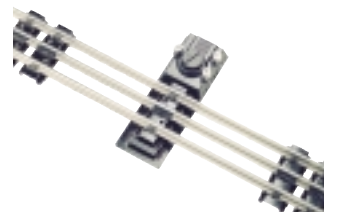
# RailKing Accessories

M.T.H. offers a wide variety of RailKing® accessories, from realistic O Scale towers sure to please Hi-railers to reproductions of classic lamps that are perfect for a toy train layout. They are all solidly built of quality materials, and many have lighting and operational features. These accessories add the extra touches that help make a layout special.



■ **O Standard Gauge Lighted Lock-On**  
Item No. 10-1021 \$3.99

Snap this lighted lock-on into any manufacturer's tubular O, O-27 or standard gauge track section. The built-in lamp will light whenever power is applied to the rails providing an easy, illuminating reference to which track sections are powered up.



■ **O Gauge Track Activation Device (TAD)**  
Item No. 10-1037 \$9.95

Operate your RailKing accessories or any manufacturer's trackside accessories with this easy-to-use track activation device for tubular track. Simply slide the TAD under your tubular track section, dial in the weight setting of your consist, wire up the connectors to your accessory and you're ready for hands-free accessory operation! For a more automated approach, try using our RealTrax ITAD with any manufacturer's tubular track. The RealTrax ITAD can be easily modified for tubular track operation.



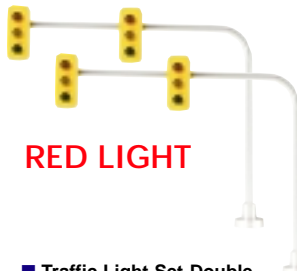
■ **Big Mo Trailer**  
10 1/2" x 2 1/2" x 3 3/4"  
Item No. 30-50004 \$24.95



■ **Bag of Coal**  
Item No. 30-50005 \$3.49



■ **ProtoSmoke® 7 oz. Fluid Bottle**  
Item No. 60-1045 \$9.95



■ **Traffic Light Set-Double**  
2 Lamps 5" Tall  
Item No. 30-1089-2 \$24.95

RED LIGHT

MY LIGHTS WORK

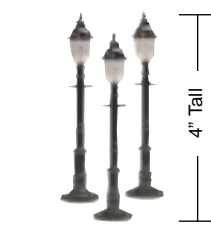
GREEN LIGHT



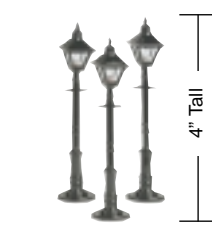
Intricately Detailed Durable ABS Body. Open the Door and see the Lit Interior.



■ **O Lamp Set (Hexagonal)**  
Item No. 30-1062 \$19.95



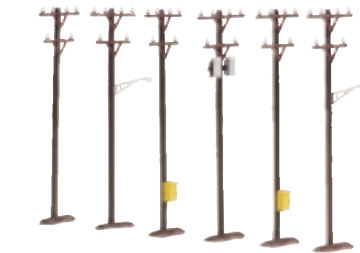
■ **O Lamp Set (Round)**  
Item No. 30-1078 \$19.95



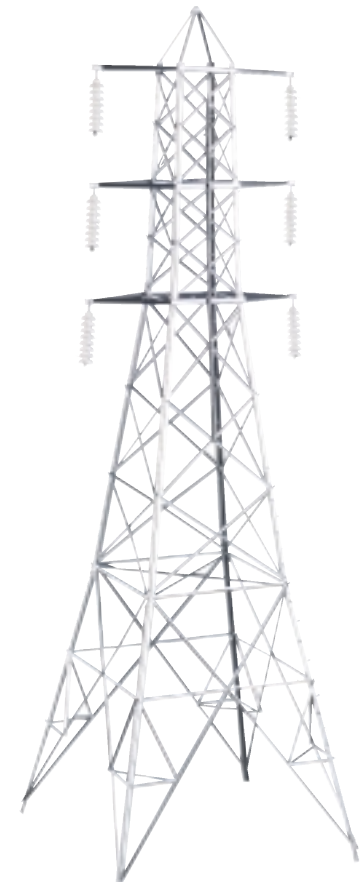
■ **O Lamp Set (Square)**  
Item No. 30-1079 \$19.95



■ **Road Sign Set 7 Signs 2" Tall**  
Item No. 30-1087 \$12.95



■ **Telephone Pole Set 6 Poles 5 3/4" Tall**  
Item No. 30-1088 \$14.95



This 3-Tower Set sports intricately detailed tower girders. Each tower comes completely assembled, includes a removable base and six power line insulators.

■ **Hi Tension Tower Set**  
20" x 6 3/8" x 6 3/8"  
Item No. 30-1056 \$59.95



MY LIGHTS WORK  
■ **O Scale Operating Block Signal**  
8" Tall  
Item No. 30-11005 \$29.95



MY LIGHTS WORK  
■ **O Scale 3 Over 3 Vertical Signal**  
6 3/4" Tall  
Item No. 30-11024 \$49.95



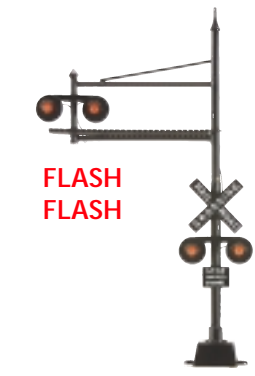
MY LIGHTS WORK  
■ **O Scale 1 Over 1 Signal**  
5" Tall  
Item No. 30-11025 \$49.95



Die-Cast Metal Construction  
I AM AN OPERATING ACCESSORY  
■ **O Scale 3 Position Semaphore**  
7" Tall  
Item No. 30-11023 \$39.95



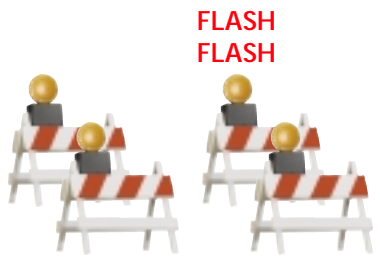
I HAVE SOUND  
FLASH FLASH  
■ **O Scale Operating Crossing Flashers with Sound**  
5 1/2" x 2 1/2" x 1"  
Item No. 30-11014 \$49.95



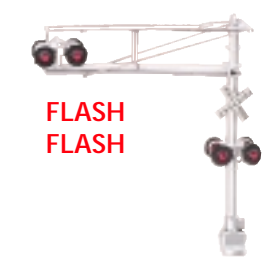
FLASH FLASH  
■ **O Scale Operating Crossing Signal**  
7 1/2" Tall  
Item No. 30-11010 \$49.95



MY LIGHTS WORK  
■ **O Scale 7 Light Block Signal**  
7" x 1 1/2" x 2"  
Item No. 30-11013 \$39.95



FLASH FLASH  
■ **O Scale Flashing Barricades**  
1" x 1" x 2"  
Item No. 30-11021 \$19.95



FLASH FLASH  
■ **O Scale Modern Operating Crossing Signal**  
7" Tall  
Item No. 30-11006 \$49.95



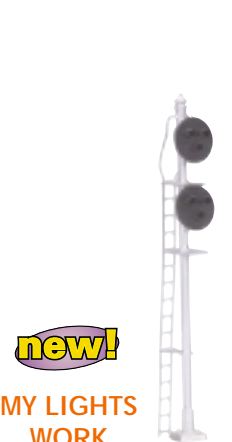
new!  
MY LIGHTS WORK  
■ **O Scale Modern Dwarf Signal**  
Item No. 30-11038 \$24.95



MY LIGHTS WORK  
■ **O Scale Cantilevered Signal Bridge**  
8 1/2" x 2 1/2" x 6 1/2"  
Item No. 30-11009 \$49.95  
■ **O Scale Vertical Signal Lamps**  
Item No. 30-11009a \$9.95



I AM AN OPERATING ACCESSORY  
■ **O Scale Operating Crossing Gate Signal**  
8 1/2" x 2" x 8"  
Item No. 30-11012 \$59.95



new!  
MY LIGHTS WORK  
■ **O Scale 2-Head Target Signal**  
Item No. 30-11035 \$49.95



new!  
MY LIGHTS WORK  
■ **O Scale Vertical Signal**  
Item No. 30-11036 \$39.95



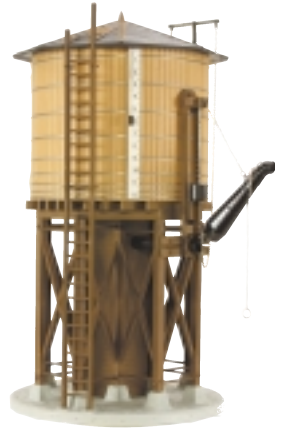
■ **O Scale Water Column**  
4" Tall  
Item No. 30-11007 \$19.95

Accessory Key  
■ = Miscellaneous Accessories  
■ = Traditional Accessories  
■ = O Scale Accessories





■ O Scale Yard Master Tower  
11" x 5" x 6"  
Item No. 30-11027 \$54.95



■ O Scale Water Tower  
10 1/4" x 6 1/4" (diameter)  
Item No. 30-11028 \$59.95



**new!**  
■ I-Beam 8 Piece Set  
Item No. 30-50007 \$12.95



■ O Scale 12 Piece Figure Set #2  
Item No. 30-11029 \$19.95  
3 Women Sitting, 1 Women Standing, 3 Men Sitting,  
2 Men Standing, 3 Children Sitting, 1 Child Standing

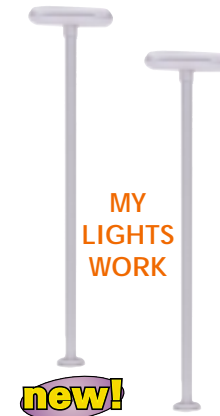
**TIP**  
Use small pinches of poster tack to hold passenger figures and other movable accessories in place. This will keep them from falling over when the train moves without causing any permanent damage to surfaces they are stuck to.



**new!**  
■ O Lamp Triple Park Light Set  
Item No. 30-11034 \$24.95



**new!**  
■ O Lamp Street Gooseneck Light Set  
Item No. 30-11032 \$24.95



**new!**  
■ O Lamp Platform Light Set  
Item No. 30-11031 \$29.95



**new!**  
■ O Lamp Street Gas Light Set  
Item No. 30-11033 \$24.95



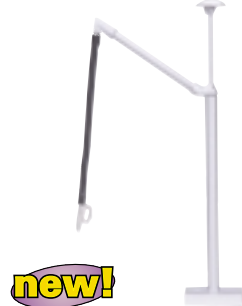
■ #57 Corner Lamp Set  
7 1/2" Tall (Gray)  
Item No. 30-1068 \$24.95



■ #56 Gas Lamp Set  
6 3/4" Tall (Copper)  
Item No. 30-1069 \$24.95



■ O Scale Pennsy Signal Bridge  
Item No. 30-11030 \$49.95



**new!**  
■ Fuel/Water Column Set  
Item No. 30-11037 \$29.95



**new!**  
■ Sanding Tower  
Item No. 30-11040 \$29.95



MY LIGHTS WORK  
■ O Scale Dwarf Signal  
1" x 1 7/8" x 1 3/4"  
Item No. 30-11011 \$24.95



**new!**  
MY LIGHTS WORK  
■ O Scale Flood Light Tower Set  
Item No. 30-11039 \$59.95



MY LIGHTS WORK  
■ #153 Operating Block Signal  
9 1/8" Tall  
Item No. 30-1076 \$29.95



MY LIGHTS WORK  
■ #262 Crossing Gate Signal  
9" Tall  
Item No. 30-1073 \$39.95



MY LIGHTS WORK  
■ #154 Highway Flashing Signal  
9 1/8" Tall  
Item No. 30-1074 \$29.95



I AM AN OPERATING ACCESSORY

■ #151 Operating Semaphore  
9 5/8" Tall  
Item No. 30-1075 \$29.95



I AM AN OPERATING ACCESSORY

■ Operating Banjo Signal  
9 1/8" Tall  
Item No. 30-1093 \$29.95



I AM AN OPERATING ACCESSORY

■ #152 Operating Crossing Gate  
9" Tall (Red Aluminum)  
Item No. 30-11008 \$29.95



**new!**  
■ O Scale Pedestrian Crosswalk  
Item No. 30-9053 \$49.95



■ O Scale Tell Tale  
8" x 3"  
Item No. 30-11026 \$19.95



House Sold Separately  
■ Fence Set  
16" x 13"  
Item No. 30-50002 \$9.95



MY LIGHTS WORK  
■ #580-1 Teardrop Lamp Set  
6 3/4" Tall (Pea Green)  
Item No. 30-1079-A \$19.95



MY LIGHTS WORK  
■ #580-1 Teardrop Lamp Set  
6 3/4" Tall (Green)  
Item No. 30-1070 \$19.95



MY LIGHTS WORK  
■ #580-1 Teardrop Lamp Set  
6 3/4" Tall (Silver)  
Item No. 30-1078-A \$19.95



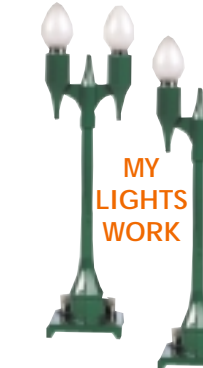
MY LIGHTS WORK  
■ #580-2 Teardrop Lamp Set  
6 3/4" Tall (Green)  
Item No. 30-1071 \$19.95



MY LIGHTS WORK  
■ #580-2 Teardrop Lamp Set  
6 3/4" Tall (Maroon)  
Item No. 30-1081-A \$19.95



MY LIGHTS WORK  
■ #580-2 Teardrop Lamp Set  
6 3/4" Tall (Silver)  
Item No. 30-1082-A \$19.95



MY LIGHTS WORK  
■ #580-1 Teardrop Lamp Set  
6 3/4" Tall (Pea Green)  
Item No. 30-1080-A \$19.95





**I AM AN OPERATING ACCESSORY**

■ Radar Tower  
4 1/2" x 5" x 11 1/2"  
Item No. 30-9032 \$39.95



**Die-Cast Metal Construction**

■ #314 Girder Bridge  
10" x 4 1/2" x 1 3/4"  
Item No. 30-12001 \$19.95



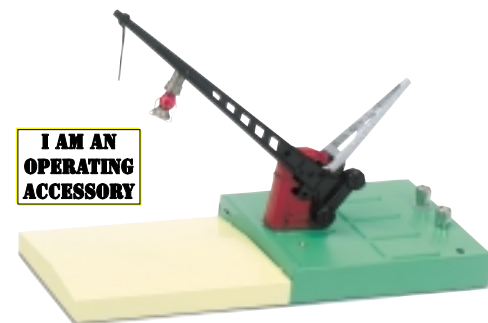
**Die-Cast Metal Construction**



**I AM AN OPERATING ACCESSORY**

■ Rotary Beacon  
5" x 5" x 12"  
Item No. 30-9033 \$39.95

**MY LIGHTS WORK**



**I AM AN OPERATING ACCESSORY**

■ #46 Crossing Gate and Signal  
9" Tall  
Item No. 30-11017 \$59.95

**MY LIGHTS WORK**

■ #450 Signal Bridge  
10 3/4" x 3 1/4" x 7 1/2" Clearance 6 1/8"  
Item No. 30-9026 \$44.95



**MY LIGHTS WORK**  
■ #395 Floodlight Tower  
5" x 5" x 11 1/4"  
Item No. 30-9049 \$39.95



■ #193 Industrial Water Tower  
6" x 6" x 14 3/4"  
Item No. 30-9029 \$49.95



**new!**

**MY LIGHTS WORK**

■ Gabe The Lamplighter  
Item No. 30-9120 \$149.95

**I AM AN OPERATING ACCESSORY**



Brighten your railroad for night time operation; Gabe The Lamplighter makes the long climb to the top of the tower to light the lamps, then climbs back down the ladder.



**I AM AN OPERATING ACCESSORY**



■ #787 Log Loader  
Item No. 30-9119 \$199.95

**new!**

Load logs onto your cars like a professional with the operating log loader that lifts one log at a time, then drops it onto the car waiting below



**I AM AN OPERATING ACCESSORY**

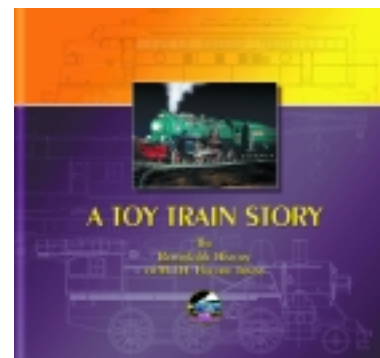
■ #334 Dispatch Board  
10 1/2" x 4 1/4" x 7 1/2"  
Item No. 30-9022 \$99.95



**I AM AN OPERATING ACCESSORY**

■ #600 Operating Crossing Gate  
Item No. 30-9118 \$79.95

**new!**



▲ MTH History Book  
Item No. 60-1321 \$49.95

In the twenty years that M.T.H. has been on the model railroading scene, we have reinvigorated the industry by providing a level of value and quality unmatched by our competitors. Now you can get the inside story on the history of Mike Wolf and the company he founded. The forthcoming 350+ page hard-cover M.T.H. History Book beautifully captures the essence and story of M.T.H. Electric Trains through the easy-reading narrative of an M.T.H. aficionado. Also featuring almost 1900 full-color photos, the book contains a complete history of our product line through the 2000, volume 2 catalog, making it the most complete history to-date of M.T.H. products. It is an invaluable resource for any M.T.H. fan.

The first M.T.H. layout video features the best of M.T.H. in action on sensational layouts plus useful tips on layout building. Included are the spectacular 70 x 45 foot high-rail layout of Tony Lash and the M.T.H. Showroom display. Also featured is an interview with Mike Wolf and a two-level, scale-detailed layout custom built under the direction of internationally known designer Richar Johnson. Be prepared to be amazed.

60 minutes. \$19.95

Produced by TM Books and Video, creators of the popular I Love Toy Trains video series



▲ TM Layout Video  
Item No. 60-1325 \$19.95



Santa Fe F-3 A Unit  
Item No. 30-2137 \$59.95

This unpowered Santa Fe A-unit is the perfect complement for earlier Santa Fe F-3 Super Chief sets.



# RailTown™ Buildings

Half the fun of model railroading is building a layout, and with RailKing® RailTown™ buildings, layout expansion is just a few steps away. M.T.H. offers a wide variety of RailTown buildings, to help you create whatever kind of atmosphere you want: rural or urban, nostalgic or modern. Operating buildings move your layout's activity beyond the trains, adding fun and excitement to the whole pike. RailTown buildings are a perfect addition on any O Gauge layout, as each is sized for use with all O Gauge locomotives and rolling stock.

## Features

- Completely Pre-Assembled
- Fully Decorated
- Easy-to-Wire Interior Lights
- Colorfully painted



▲ Jewelry Store  
9 7/8" x 7" x 7 3/8"  
Item No. 30-9035 \$39.95



▲ Original McDonald's®  
14 1/2" x 12" x 7 1/2"  
Item No. 30-9034 \$69.95

new!



▲ Myersville Passenger Station  
18 5/8" x 7 3/8" x 6 5/8"  
Item No. 30-9051 \$49.95

▼ Movie Theater  
16 1/2" x 13 9/16" x 9 1/2"  
Item No. 30-9054 \$99.95



new!



Includes Die-Cast O-Scale Bus

▲ Greyhound Bus Station with Die-Cast Bus  
16 1/2" x 13 9/16" x 9 1/2"  
Item No. 30-9040 \$99.95



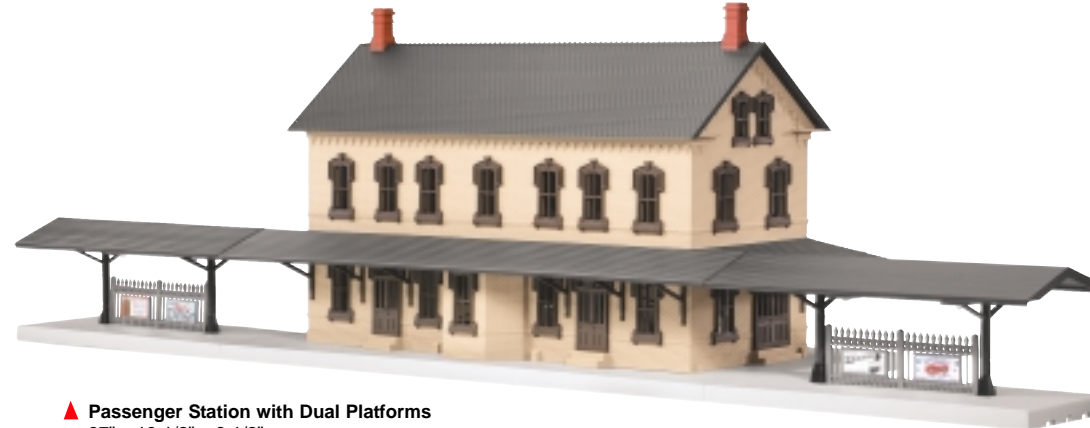
▲ Engine Shed  
24" x 8 1/2" x 13 1/2"  
Item No. 30-9030 \$79.95



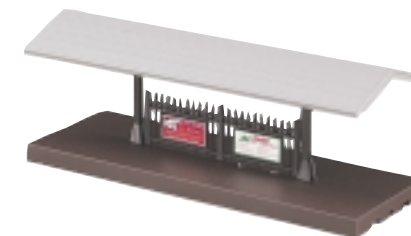
▲ #6 Farm House  
7 1/2" x 7 1/2" x 7"  
Item No. 30-9046 \$29.95



▲ #4 Country House  
9 5/8" x 5" x 7"  
Item No. 30-9047 \$29.95



▲ Passenger Station with Dual Platforms  
37" x 13 1/2" x 8 1/2"  
Item No. 30-9050 \$79.95



▶ Passenger Station Platform  
9 3/4" x 3 1/2" x 3 3/4"  
Item No. 30-9006 \$19.95



▲ Pennsylvania Switch Tower  
6 1/8" x 10 1/2" x 9 1/8"  
Item No. 30-9031 \$39.95



▲ Union Pacific Switch Tower  
6 1/8" x 10 1/2" x 9 1/8"  
Item No. 30-9048 \$39.95



▲ Row House #1  
7 7/8" x 4" x 7"  
Item No. 30-9023 \$24.95



▲ Row House #1  
7 7/8" x 4" x 7"  
Item No. 30-9044 \$24.95



▲ Row House #2 with front Porch  
8 3/8" x 4" x 7"  
Item No. 30-9024 \$24.95



▲ Row House #2 with front Porch  
8 3/8" x 4" x 7"  
Item No. 30-9045 \$24.95

## Wiring Buildings and Accessories

It is easy to wire multiple RailTown buildings and M.T.H. accessories in parallel so they are controlled by a single power source and save unnecessary wiring. To do this sequential wiring, simply run lead wires from the transformer posts and hook the red and black wires on your accessories and lights into the appropriate wire. Run long lead wires when you build your layout, giving yourself plenty of room to add and easily connect accessories over the years.



# RailTown™ Operating Buildings



Freight on Platform...  
Freight Loaded on the Train!

▲ Operating Station Platform  
10" x 3 1/2" x 4"  
Item No. 30-9111 \$49.95



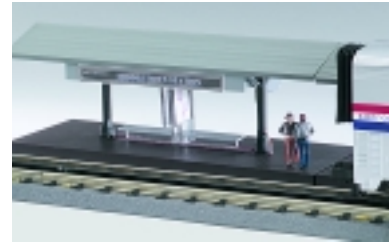
Take a Ride Through the  
Drive-Thru Window

I HAVE SOUND

▲ Operating McDonald's®  
17" x 17" x 7 3/4"  
Item No. 30-9114 \$149.95



Train Arrives (ALL-ABOARD)...  
Passengers Board...  
Train Departs!



▲ Operating Passenger Station Platform  
10" x 3 1/2" x 4"  
Item No. 30-9107 \$49.95

Can be operated individually or paired to make a full-service operating yard accessory.



TANK IS EMPTY

The roof of the storage tank lowers and raises to indicate that it has been emptied and refilled.



TANK IS FULL



▲ Operating Storage Tank  
Item No. 30-9116 \$179.95

new!

I AM AN  
OPERATING  
ACCESSORY

The attendant is lowered to the top of a waiting tank car (sold separately) where he puts the hose fittings on the dome. After a pause to fill the tank, he and the hose are lifted out of the way so the car can move on.



▲ Operating Storage Tank Station  
Item No. 30-9117 \$179.95

new!

I AM AN  
OPERATING  
ACCESSORY



FILLING  
UP YOUR  
TANK CAR



# TINPLATE TRADITIONS®

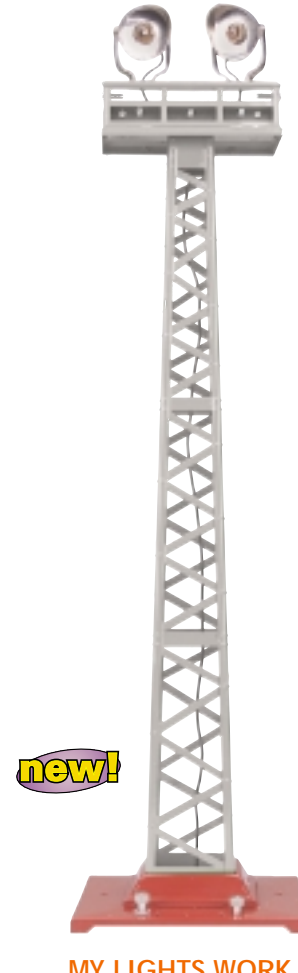
By M.T.H. Electric Trains®

More lights and accessories return to our Tinplate Traditions® lineup in full color and durable metal construction. Each full-sized lamp and trackside accessory features stamped metal or die-cast construction. There are no plastic bases and poles in any of these accessories. They are the perfect way to bring charm and nostalgia to your tinplate layout



▲ #94 High-Tension Tower Set  
Item No. 10-4012 \$59.95

new!



▲ #92 Floodlight Tower Set  
Item No. 10-4013 \$129.95

new!



MY LIGHTS  
WORK

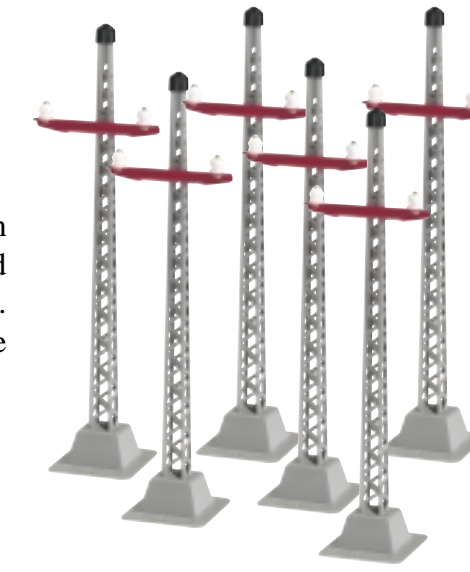
▲ #67 Lamp Post Set  
13 3/4" Tall  
Item No. 10-1095 \$39.95



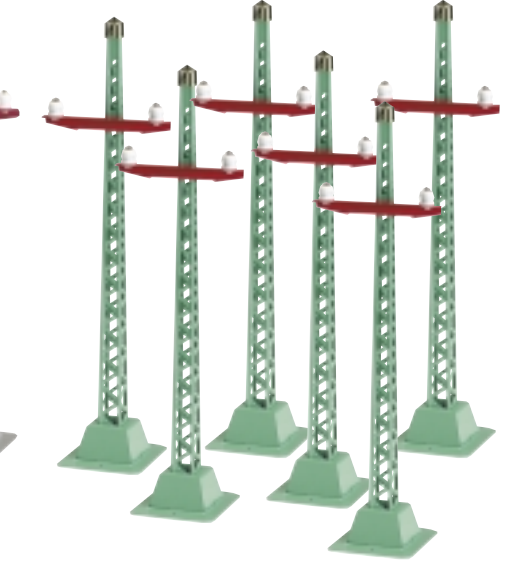
MY LIGHTS WORK  
▲ #63 Lamp Post (Aluminum) ▶  
13 3/4" Tall  
Item No. 10-1108 \$39.95



MY LIGHTS WORK  
▲ #87 Railroad Crossing Signal  
6 3/4" Tall  
Item No. 10-1096 \$29.95



▲ #71 Telegraph Post Set (Gray/Red)  
8 3/4" Tall  
Item No. 10-1093 \$49.95



▲ #71 Telegraph Post Set (Peacock/Red)  
8 3/4" Tall  
Item No. 10-1094 \$49.95



▲ No. 191 Villa  
Item No. 10-4009 \$69.95



▲ No. 189 Villa  
Item No. 10-4010 \$69.95



Even if you are working in a small space,  
M.T.H. has plenty of products that let you  
build a realistic, action-packed layout.  
Find all the items filling this 4x8 layout in our catalog.

**#4 Country House**  
Item No. 30-9047  
Page 111

**O Scale Cantilevered Signal Bridge**  
Item No. 30-11009  
Page 105

**Pennsylvania, N-8 Caboose**  
Item No. 20-91049  
Page 74

**O Scale Operating Crossing Gate Signal**  
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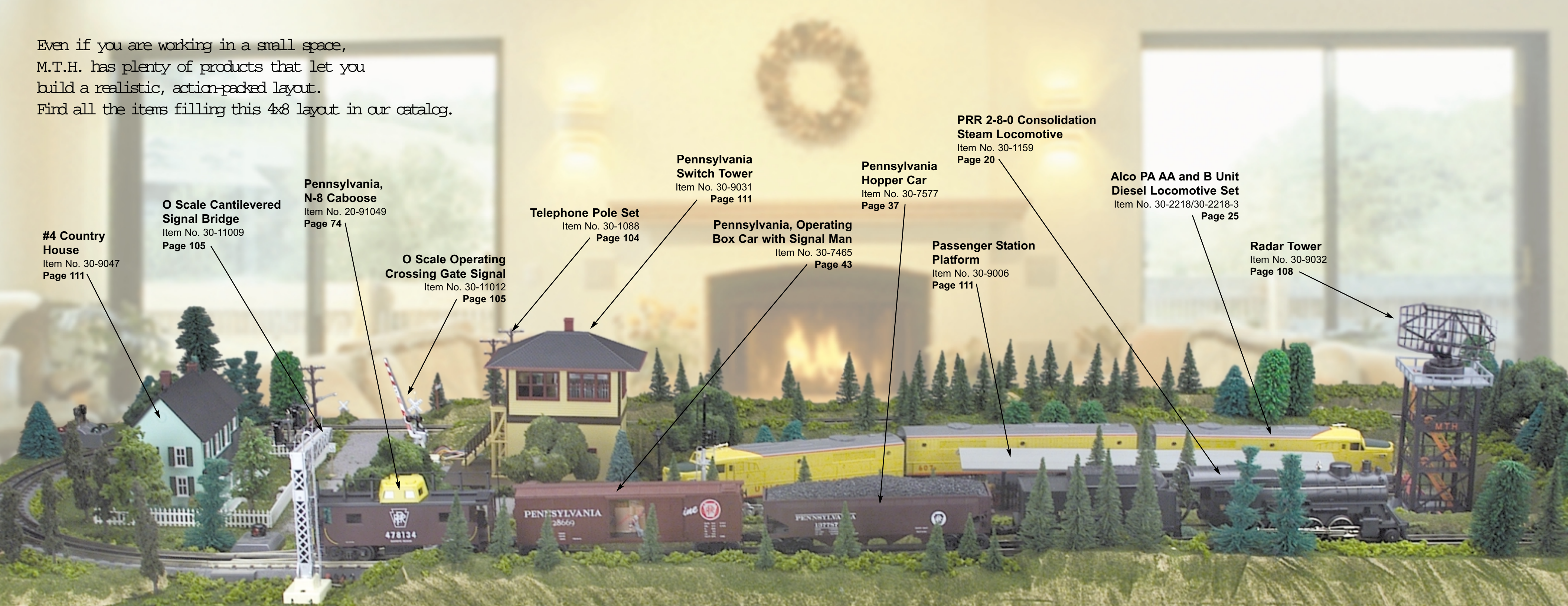
**Pennsylvania Hopper Car**  
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## LIMITED ONE-YEAR WARRANTY

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.

MTH 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 MTH Electric Trains, Inc. 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. Call 410-381-2580, fax 410-423-0009, or e-mail the Service Department at [service@mth-railking.com](mailto:service@mth-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, Inc.  
7020 Gateway Drive  
Columbia MD 21046-1532

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