



MTME

ELECTRIC TRAINS®

PREMIER ♦ RAILKING ♦ TINPLATE TRADITIONS
RAILKING ONE-GAUGE

2001 VOLUME II

WELCOME to M.T.H. Electric Trains

We at M.T.H. have a long and proud habit of listening and responding to customer requests. This policy has resulted in more variety and higher quality than any of our competitors.

And now it leads to the introduction of a new product line: RailKing® One-Gauge. RailKing One-Gauge marks M.T.H.'s entry into the growing "Large Scale" model train market, which is sometimes called by other names, including No. 1 Gauge, G Gauge, Gauge 1, or Garden Trains and uses 2-rail 45-mm track. These trains are designed for indoor or outdoor operation and work on a DC, rather than AC, electrical current. Unlike other manufacturers, RailKing One-Gauge presents American standard gauge prototypes in precision 1:32 scale.

Even as we establish a presence in a new gauge, we remain committed to providing exciting products to our loyal Standard and O Gauge customers. In this catalog you will find a variety of products, ranging from an all-new articulated Tinplate 400AE steam engine to innovative operating accessories and cars to some powerful steam engines, including the RailKing Challenger with the new Proto-Sound 2.0 system and the Premier U1F Mountain. M.T.H. is committed to making your model railroading experience more enjoyable, more realistic, and easier than you have ever imagined.



Benefits of Model Railroading

Model railroading is a whole lot of fun, but it also gives kids (and adults) a chance to learn and build many valuable skills. Below are some of the great skills kids can learn while building a railway empire.

FAMILY

No other activity bonds parents, grandparents, and children like model railroading. RailKing trains combine durability and play value for kids with realistic detail for adult hobbyists. This combination of action and realism means the whole family will enjoy building and running the railroad, creating priceless togetherness and memories.

INDEPENDENCE

Being a kid means hearing "no" a lot. Adults are always telling kids what to do, and the one thing young people want most is a chance to make their own choices. A model railroad puts kids in charge of powerful locomotives, important freight, and swift passenger trains. The trains run when kids want and the track plan, scenery, and buildings are the ones they choose. Your model railway is a safe place for kids and adults to enjoy being in charge, without interference from parents, teachers, or bosses.

DECISION-MAKING

Your railroad is a safe and exciting place to learn about cause and effect. Choices made on the model railroad will get immediate results. Wrong choices cause derailments and other minor problems; right choices make the trains run smoother or make the layout look more realistic and exciting.

ACCOMPLISHMENT

Outside of grades and sports, many kids lack opportunities for accomplishment. Model railroading gives them the chance to build something unique and special, something that impresses everyone who sees it. Unlike video or role-playing games, a model railroad is a solid, real-world achievement that is easy to share and builds both skills and the character that comes from self-reliance.

IMAGINATION/CREATIVITY

Before you build your railroad, you dream it. Model railroading teaches important lessons about the power of imagination, how we can make our dreams real one step at a time, and that solving problems often means thinking about them in new ways. The layout allows kids to build a world that matches their dreams and wishes, one that may function better than the messy everyday world outside.

PERSISTENCE

As the railway develops step-by-step, kids see the power of steady work. A little effort applied at regular intervals creates noticeable and exciting progress.

COORDINATION

The hands-on activity in building and operating a railroad improves hand-eye coordination. Detailing buildings, building scenery, and operating accessories teaches hands to be accurate and graceful in motion.

SHARING/ COOPERATION

By operating the trains with other kids or family members, kids learn how to cooperate and share. The value of teamwork is easy to understand when you are trying to complete a complicated railroad maneuver or want help in completing a complex building project. If you attend train shows or join a model railroad club, you will make many new friends who share your interest in trains.

PHYSICAL SCIENCE

By operating heavy trains at speed, you will get a hands-on education in how things move. Model railroads embody such important physics concepts as inertia, momentum, friction, and vectors.

ELECTRONICS

RealTrax track and RailKing accessories feature the simplest and safest wiring possible. However, in setting up and learning to control trains, kids will get a solid grounding in how electricity works and what makes all the other machines in their lives work the way they do.

TRANSPORTATION & ECONOMICS

By running realistic freight operations, you will learn how our economy works. Raw materials must be transported to factories and then the finished goods must be carried to market. Railroads move the majority of freight shipped in the USA and their efficiency supports our entire economy. Your railroad will give you firsthand experience of the challenges involved in moving America's people and products from place to place.

TECHNOLOGY

Steam locomotives were 19th Century high tech. As you model the operations and equipment of different eras, you will understand the changing face of American industry and how one technology's advantages caused it to replace another.

ARCHITECTURE

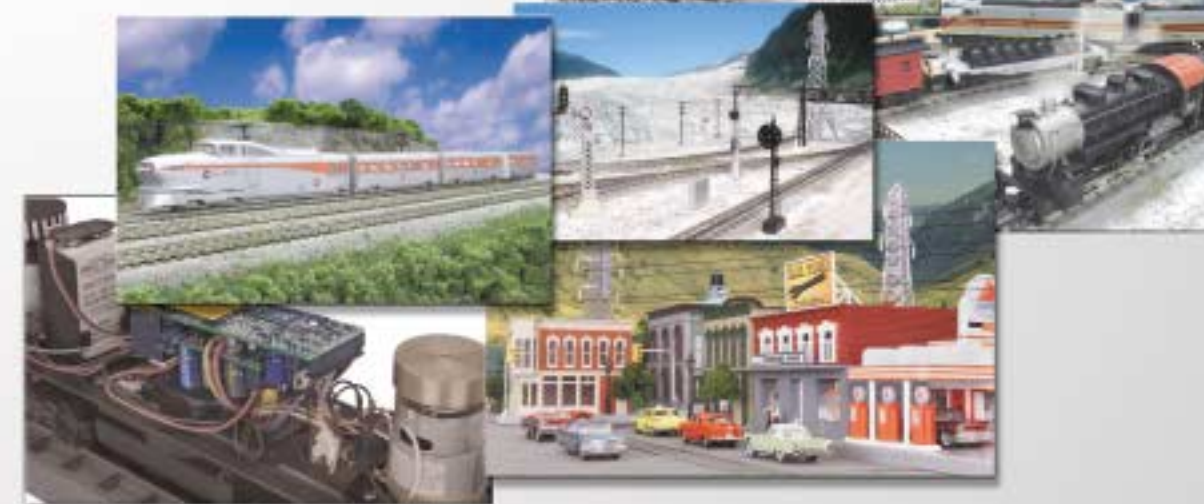
By modeling the buildings and structures on your railroad, you will gain a deeper understanding of the history of architectural styles and why buildings are built the way they are.

SIGNALS AND COMMUNICATION

The railroads created the communications industry. By popularizing first the telegraph, then the telephone and the traffic light, and finally computerized traffic control, railroading has pioneered new ways of getting a message through. By modeling signals and other communication systems on your layout, you will see how these critical systems work, making life safer and more efficient for everyone.

SAFETY

Real trains are tremendously powerful and heavy and railroad tracks can be very dangerous if you don't know what is going on. Model railroading teaches proper respect for train tracks and what to watch for when you are trackside.





Loco Speed Control



Additional equipment required

Loco-Sound™

M.T.H.'s all-new Loco-Sound system brings realistic digital sound to inexpensive 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



Additional equipment required

Proto-Sound® 2.0

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:

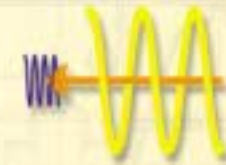
- Full compatibility with your other O Gauge trains, even for double-heading
- Proto-Effects, including passenger station or freight yard sound effects and cab chatter
- Speed Control
- Puffing smoke in steamers
- Operating Proto-Couplers
- Wide range of state-of-the-art digital sounds

With the DCS Remote Control System you add:

- Wireless remote control
- Independent control of each engine
- Voltage Spike Suppression Circuit located in the TIU
- 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 sound sets
- Variable smoke output
- And much, much more



Puffing Smoke:
Puffs in time with steam chuffing



Proto-Doppler™ puts the wo00000oosh! 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.



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.



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



▲ Proto-Sound 2.0® Engines are Fully Compatible with Other Engines.

For more on Proto-Sound 2.0, see page 108.

Go To
www.protosound2.com

For more information about our digital sound and train control systems visit our website.

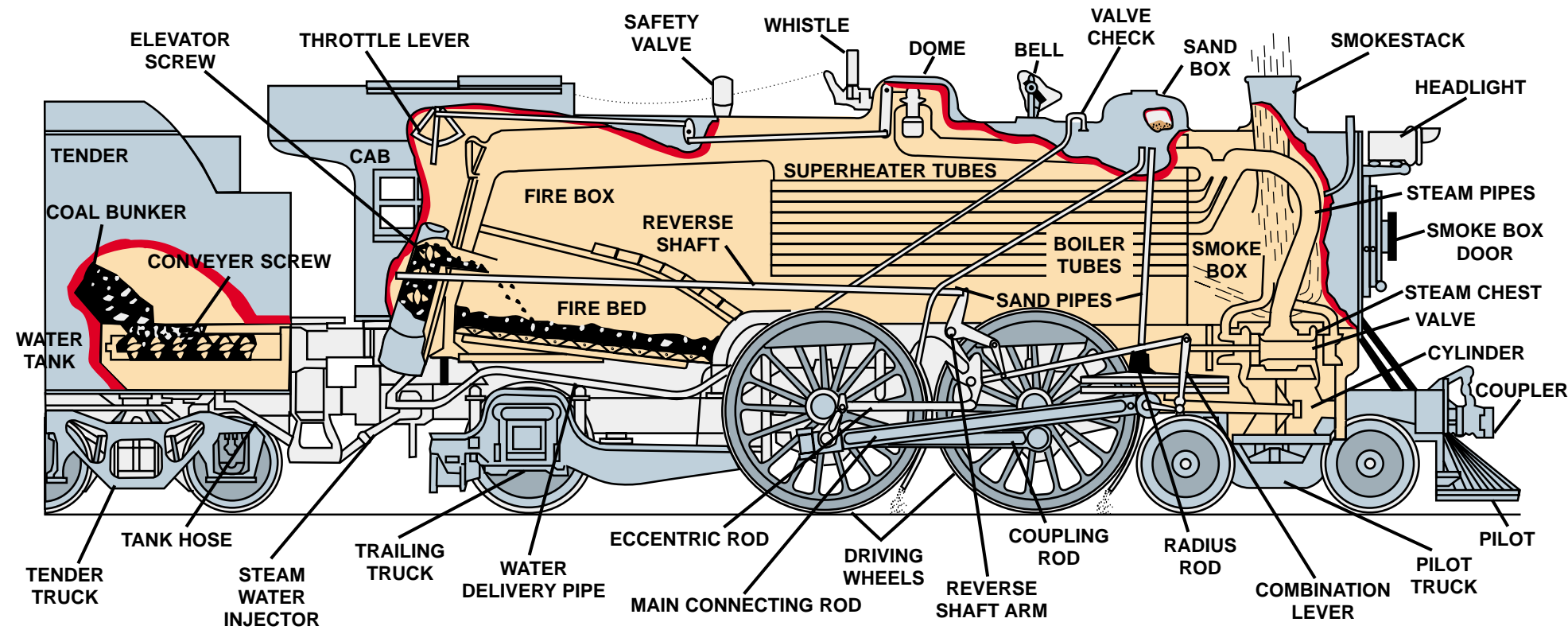


▲ Speed control keeps a steady pace all around your layout.

The Doppler effect changes pitch as your train rushes by. ▼



Inside A Steam Locomotive



GENERAL OPERATION OF A STEAM LOCOMOTIVE

1. Fireman shovels coal into firebox (or adjusts stoker if so equipped), levels and stokes a good clean firebed.
2. Fireman checks steam gauge and water level in boiler and adds water accordingly.
3. Engineer checks steam, water and air gauges, makes air brake test, and obeys starting signals from conductor.
4. Engineer sets reverse quadrant (power or manual) to cause locomotive to move in the desired direction, whereupon he whistles the proper signal, rings bell if required, releases brakes and proceeds in the appropriate direction, being careful not to loose control of the slack on the train.
5. If drivers slip, he uses a combination of increasing the valve cutoff by moving the reverse lever and closing the throttle enough to stop the spin. If he cannot regain enough traction, he may use sand which is applied only after the drivers have stopped spinning.
6. He obeys ALL safety rules governing the track on which his train is at the time (signals, speed, train orders).
7. Fireman maintains clean fire, proper water level in boiler, and steam pressure as required by the engineer. Engineer handles the water in many cases.
8. Fireman repeats aloud all trackside signals and radio orders as given to or by the engineer as a double check for safety.



COMPLIMENTS OF THE FRIENDS OF THE RAILROAD MUSEUM OF PENNSYLVANIA

table of contents

8

RailKing

RailKing® is M.T.H.'s most popular line of trains and accessories.



PAGE 26

52

Premier

M.T.H.'s Premier line represents the pinnacle of model railroading.

90

RailKing One-Gauge

M.T.H. offers American standard gauge prototypes in detailed precision 1:32 scale.

98

Tinplate Traditions

The Tinplate Traditions® line is M.T.H.'s homage to model railroading's grand pre-war past.



PAGE 92

106

Remote Controls

Take Control of Your Railroad

108

Proto-Sound

The Operating System for the New Millennium



PAGE 54

110

Track

Made of high quality materials.

120

Accessories

Make your layout and make it come alive.

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 0-8-0, 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 and are matched for operation with Premier and RailKing items. Look for the "Near Scale" tag to identify these items.



PAGE 102





CONTENTS

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 Ready-To-Run Sets™

McDonald's® Diesel Freight, N&W 4-8-4 Steam Freight, NYC 4-6-0 Fast Freight, NYC 0-4-0 Dockside Freight, UP 2-8-0 Steam Freight, Jersey Central 4-6-2 Blue Comet Steam Passenger, Christmas 4-6-0 Steam Freight, Southern Pacific 4-8-4 Bantam Steam Passenger, N&W 4-8-4 J Bantam Steam Passenger, Army F40PH Diesel Freight, Alaska F40PH Diesel Passenger, Pennsylvania 6-8-6 Bantam Turbine Steam Passenger, Pennsylvania 6-8-6 Bantam Turbine Steam Freight, Amtrak F59PH Diesel Passenger, Caterpillar® SD-90MAC Diesel Freight

26 RailKing Steam Locomotives

4-6-2 Pacific, 4-6-6-4 Challenger, 2-8-0 Consolidation

32 RailKing Diesel Locomotives

SD-90, SW-8, SW-9

36 RailKing Rugged Rails™ Series Freight Cars

40 RailKing Freight Cars

50 RailKing Passenger Cars

Railroad Watches

After Railroad Standard Time was introduced in 1884, the railroads began to standardize the watches for measuring that time. Since safety depended on exactly-timed train movements, it was critical that all employee timepieces register the same time.

An act of Congress finally set the standards required of "railroad grade" watches. The watch's face had to be open, with Arabic numbers and a separate second hand. All the minutes in the hour were marked. Time was set by opening the crystal (the glass cover over the face) and moving a lever—so that time could not be altered by accidentally bumping the watch. Every railroad timepiece was required to have no fewer than 21 jewels (small pieces of gemstone used as frictionless bearings) and be "corrected" for six positions, so that it would read accurately whether the railroader was standing straight up or hanging off the side of a car.

Although these pocket watches were technical marvels, they had to be mass-produced so that hundreds of thousands of railroad employees could have one. As a result, the watches often came in low-cost cases of steel or aluminum, rather than gold and silver. Since so many were made, these watches are still readily available at antique stores.

When the train crew gathered to synchronize their watches at the start of a run, they had the latest high tech gadget in their hands.

McDonald's® is a registered trademark of the McDonald's Corporation
Cat® is a registered trademark of Caterpillar, Inc.

PAGE 10
Ready-To-Run™ Sets



PAGE 26
Steam Engines



PAGE 32
Diesel Engines





For Temporary Layouts:

- Used, dried coffee grounds make great dirt for the fields around your track. Make sure to dry it thoroughly before using it, so it doesn't get moldy.
- Hairspray is an easier way than glue to hold ballast in place for the short-term.

QUICK START VIDEO FREE IN R-T-R SETS

RailWare \$79.99 VALUE FREE IN EVERY R-T-R SET

Included in Ready-To-Run Sets:

- Quick Start Video*
- Step-by-Step Set-up Instructions
- Demos of Sound and Control Features
- Maintenance Made Simple
- Wireless Remote Control*
- Track Configurations
- RailWare CD ROM with Track Layout Software and other Informational Tools (also sold separately, a \$79.95 retail value FREE in Ready-To-Run Sets)

31" x 31" RealTrax® Circle

31" x 51" RealTrax® Oval

31" x 51" ScaleTrax™ Oval

* Not included in set No. 30-4054, 30-4057 & 30-4058



RailWare CD ROM

- Track Planning Software
- Sound and Video Clips
- Exploded Views of Engine
- Electronic M.T.H. Catalogs

RailWare CD Rom Available Separately: Item No. 60-1322 \$79.99

You Can Purchase the Model Railroader's Handbook

- Complete Beginner's Guide
- Your Map From Set to Layout
- How-To Tips
- Secrets of Realistic Operation
- Railroad Lingo

Item No. 60-1355 \$14.95 (see page 127 for full description)



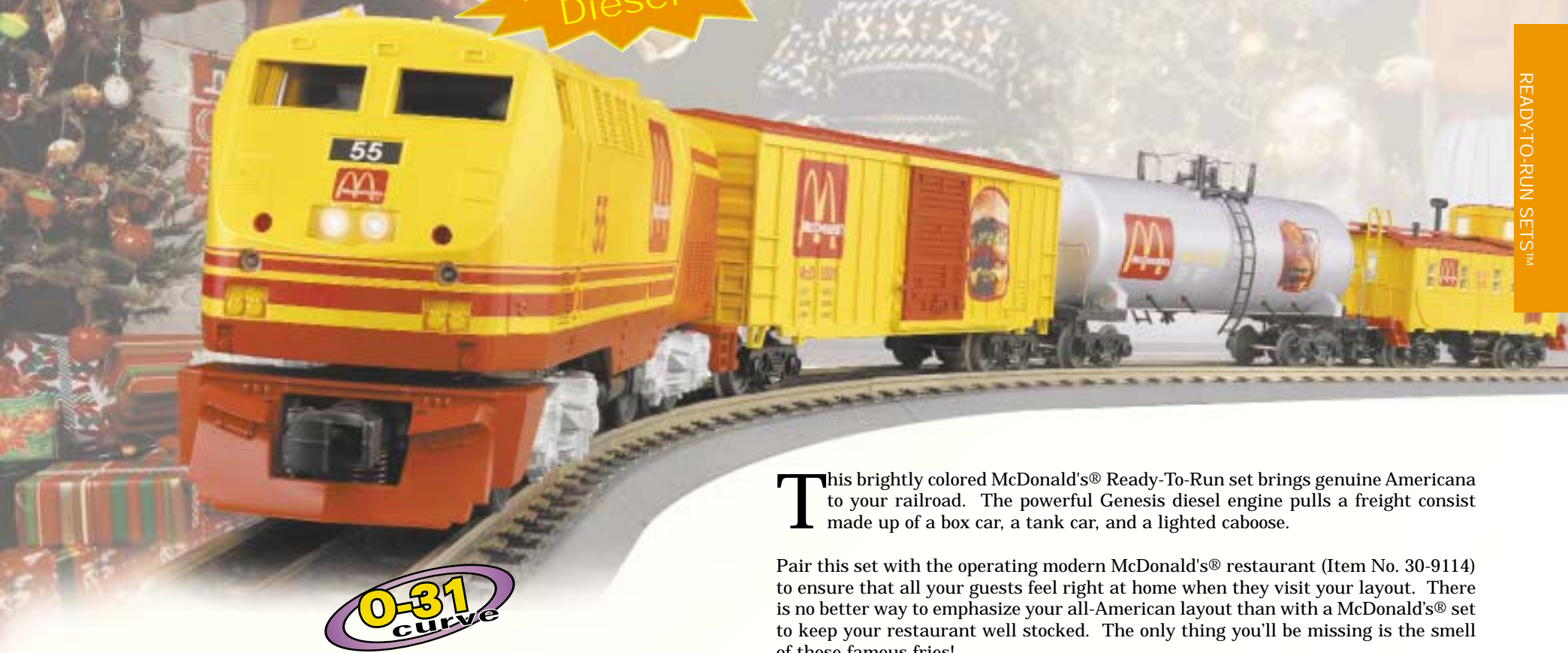
Model Railroading Made Easy!

RailKing Ready-To-Run sets, with everything you need to get up and running, are the fastest way to jump into the hobby. And now M.T.H. is offering new tools to make it easier than ever!



Ready-To-Run Set

Two-Motor Diesel



0-31 curve

This brightly colored McDonald's® Ready-To-Run set brings genuine Americana to your railroad. The powerful Genesis diesel engine pulls a freight consist made up of a box car, a tank car, and a lighted caboose.

Pair this set with the operating modern McDonald's® restaurant (Item No. 30-9114) to ensure that all your guests feel right at home when they visit your layout. There is no better way to emphasize your all-American layout than with a McDonald's® set to keep your restaurant well stocked. The only thing you'll be missing is the smell of those famous fries!



McDonald's® Genesis Ready-To-Run Set

- 30-4052-0 Loco-Sound™ \$279.95
- 30-4052-1 Proto-Sound® 2.0 \$379.95

Locomotive Measures: 14 1/2" x 2 1/2" x 3 1/2"

Cars Measure: 10 1/2" x 2 1/4" x 3 1/2"

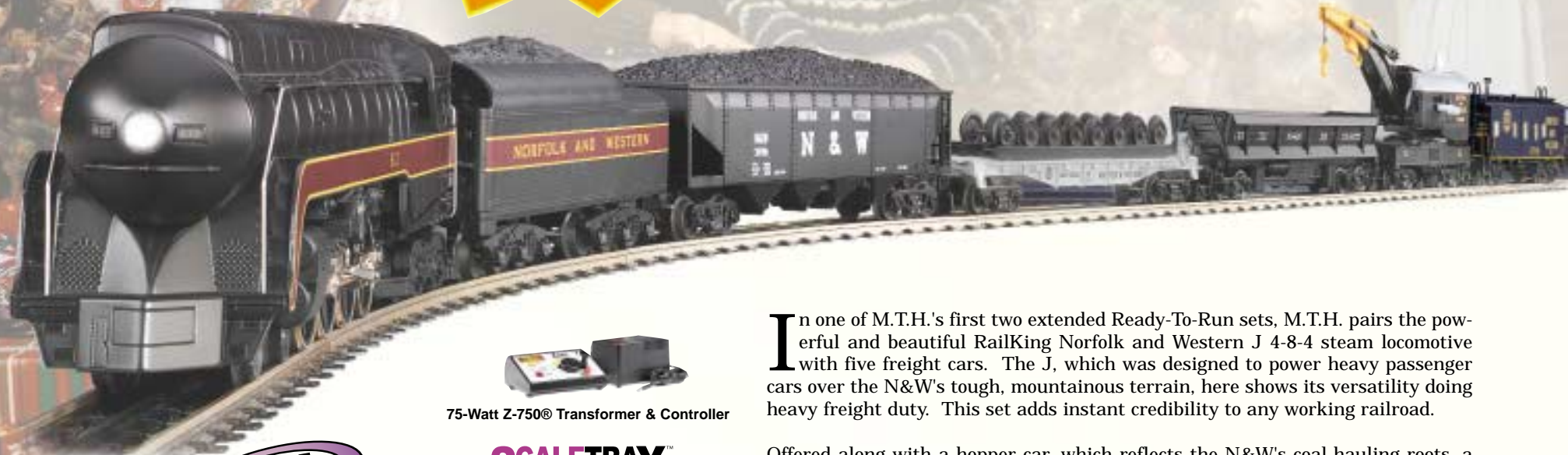
McDonald's® is a registered trademark of the McDonald's Corporation

Set Includes:

- Genesis Two-Motor Diesel Locomotive
- Modern Box Car, Modern Tank Car, Lighted Off-Set Steel Caboose
- Powerful 75-Watt Power Supply and Wireless Remote
- Infrared Activated Lock-On
- 31" x 31" 8-Piece RealTrax® Circle
- Interactive Track Planning Software CD-Rom
- Quick-Start Video

Ready-To-Run Set

Die-Cast Full Size
RailKing
Steamer & Tender



75-Watt Z-750® Transformer & Controller

0-31
curve



31" x 51" 12 Piece ScaleTrax™ Oval

In one of M.T.H.'s first two extended Ready-To-Run sets, M.T.H. pairs the powerful and beautiful RailKing Norfolk and Western J 4-8-4 steam locomotive with five freight cars. The J, which was designed to power heavy passenger cars over the N&W's tough, mountainous terrain, here shows its versatility doing heavy freight duty. This set adds instant credibility to any working railroad.

Offered along with a hopper car, which reflects the N&W's coal-hauling roots, a caboose, and a flat car with a load of wheel sets are operating cars never before included in a RailKing set. This set includes a dump car with operating bay (and the Operating Track Section needed to operate it), and a crane car with a manually operated boom and hook. Any railroader who wants to add action to a layout need look no further than this comprehensive set.



■ Norfolk & Western 4-8-4 J Steam Freight Ready-To-Run Set

30-4058-1 Proto-Sound® 2.0 \$699.95

Locomotive Measures: 22 1/4" x 2 5/8" x 3"

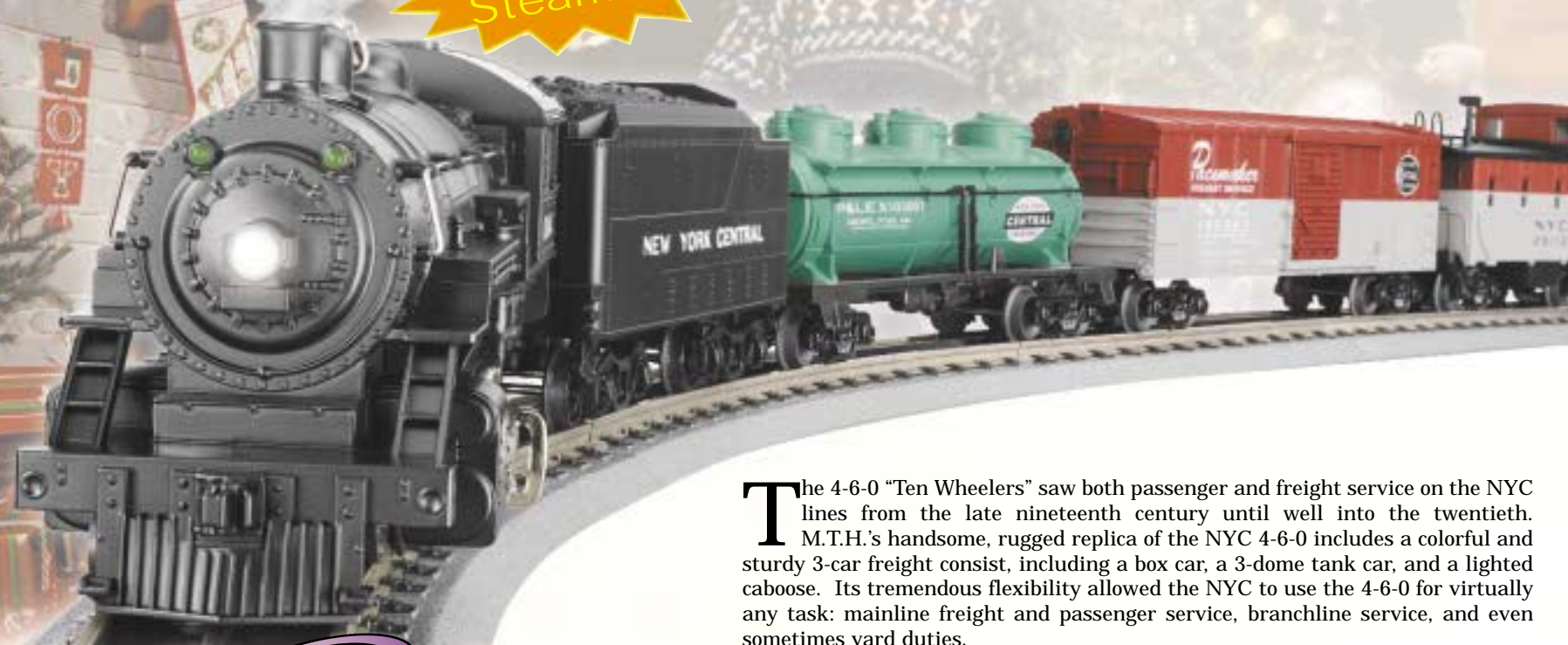
Cars Measure: 10 1/2" x 2 1/4" x 3 1/2"

Set Includes:

- 4-8-4 Die-Cast Full Size RailKing Steam Locomotive and Tender
- Hopper Car, Flat Car with 8 Wheel Sets, Dump Car with Operating Bay, Crane Car, Lighted Bay Window Caboose
- Powerful 75-Watt Z-750® Transformer and Controller
- ScaleTrax™ Lock-On
- 31" x 51" 12-Piece ScaleTrax™ Oval Includes Operating Track Section (OTS)
- Interactive Track Planning Software CD-Rom

Ready-To-Run Set

Die-Cast
Steamer



0-31
curve

The 4-6-0 "Ten Wheelers" saw both passenger and freight service on the NYC lines from the late nineteenth century until well into the twentieth. M.T.H.'s handsome, rugged replica of the NYC 4-6-0 includes a colorful and sturdy 3-car freight consist, including a box car, a 3-dome tank car, and a lighted caboose. Its tremendous flexibility allowed the NYC to use the 4-6-0 for virtually any task: mainline freight and passenger service, branchline service, and even sometimes yard duties.

This workhorse engine's long life and many uses will make it the perfect complement for virtually any model railroad.



■ New York Central 4-6-0 Steam Ready-To-Run Set

30-4046-0 Loco-Sound™ \$249.95
30-4046-1 Proto-Sound® 2.0 \$349.95

Locomotive Measures: 19" x 2 1/2" x 3 1/2"

Cars Measures: 10 3/4" x 2 5/16" x 3 1/8"

Set Includes:

- 4-6-0 Die-Cast Steam Locomotive
- Box Car, 3-Dome Tank Car, Lighted Steel Caboose
- Powerful 75-Watt Power Supply and Wireless Remote
- Infrared Activated Lock-On
- 31" x 31" 8-Piece RealTrax® Oval
- Interactive Track Planning Software CD-Rom
- Quick-Start Video

Ready-To-Run Set



Die-Cast Steamer

0-31 curve

The New York Central 0-4-0 Dockside Ready-To-Run set is the perfect introductory set for someone who wants to ease into the hobby. It boasts a sturdy die-cast metal steam engine and a complete freight consist. The engine comes with operating lights, an electronic reversing unit and a mechanical whistle, which give the young operator fun operation without the advanced electronics of many modern sets.

Dockside steam engines were used to move cars around a dock or pier during the late nineteenth and early twentieth centuries. They featured a built-in coal bunker behind the cabs rather than trailing coal tenders. This configuration made the small engines ideal for fitting into tight spaces and shuttling cars around the docks for loading and unloading cargo, a job larger engines could not have done.



■ New York Central 0-4-0 Dockside Ready-To-Run Set

30-4057-0 Whistle \$199.95

Set Includes:

- 0-4-0 Die-Cast Dockside Steam Locomotive
- Box Car, Gondola Car with Steel Beams, Lighted Work Caboose
- Powerful 50-Watt Z-500® Transformer and Controller
- Lighted Track Lock-On
- 31" x 31" 8-Piece RealTrax® Oval
- Interactive Track Planning Software CD-Rom
- Quick-Start Video

Locomotive Measures: 7 3/4" x 2 1/2" x 3 1/2"

Cars Measures: 10 3/4" x 2 5/16" x 3 1/8"

Ready-To-Run Set



Die-Cast Steamer

0-31 curve

For more than forty years, the 2-8-0 Consolidation was the Union Pacific's—and America's—standard freight locomotive. UP owned 550 Consolidations, dating from as early as 1868 until they were superseded in production orders by the 2-8-2 Mikados (or MacArthurs, as UP named the class) shortly after 1910. Even after being replaced on mainline freight service, the Consolidations were still so hard-working they took up branchline, local way freight, and occasional switching duties. They remained on the UP roster into the mid-1950s.

With its long life and many uses, the UP 2-8-0 and its box car, tank car, and steel caboose are the perfect addition to your railroad's freight roster. Like the prototype, it can handle almost any job you give it.



■ Union Pacific 2-8-0 Steam Ready-To-Run Set

30-4050-0 Loco-Sound™ \$249.95
30-4050-1 Proto-Sound® 2.0 \$349.95

Set Includes:

- 2-8-0 Die-Cast Steam Locomotive
- Box Car, Tank Car, Lighted Steel Caboose
- Powerful 75-Watt Power Supply and Wireless Remote
- Infrared Activated Lock-On
- 31" x 31" 8-Piece RealTrax® Oval
- Interactive Track Planning Software CD-Rom
- Quick-Start Video

Locomotive Measures: 18 3/4" x 2 1/2" x 3 3/8"

Cars Measures: 10 3/4" x 2 5/16" x 3 1/8"

Ready-To-Run Set

Die-Cast
Steamer



0-31
curve

The Jersey Central Blue Comet is among America's most beautiful and legendary trains. MTH proudly models this unforgettable train in a RailKing Ready-To-Run Set for the first time.

In the signature blue livery, the RailKing Bantam 4-6-2 Pacific steam engine and heavyweight passenger cars comprise the preferred consist of the Blue Comet. This unique paint scheme makes a striking contrast to many less colorful steam consists that pre-date the streamlined era. Streaking along the track with luxurious passenger cars that were named after high-speed comets, the Blue Comet brought first-class, high-speed passenger service to the route between Jersey City and Atlantic City for twelve years.

Add an Extra
Passenger Car to your
Ready-To-Run Set



Jersey Central, O-27 Madison Coach Car
\$39.95 30-6259 ■ O-27 Curves



Jersey Central 4-6-2 Blue Comet Steam Ready-To-Run Set

30-4049-0 Loco-Sound™ \$279.95
30-4049-1 Proto-Sound® 2.0 \$379.95

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

Cars Measures: 13 3/4" x 2 1/2" x 3 1/2"

Set Includes:

- 4-6-2 Blue Comet Die-Cast Steam Locomotive
- 3-Car Madison Lighted Passenger Set
- Powerful 75-Watt Power Supply and Wireless Remote
- Infrared Activated Lock-On
- 31" x 31" 8-Piece RealTrax® Oval
- Interactive Track Planning Software CD-Rom
- Quick-Start Video

new!

Ready-To-Run Set

Die-Cast
Steamer



0-31
curve

Let this beautiful and fun
Christmas set take its rightful
place under your Christmas tree.

M.T.H.'s 2001 Christmas set completes your holiday décor. This set's traditional 4-6-0 steam engine and brightly decorated freight cars provide a perfect nostalgic touch under your tree. The handsome Ten-Wheeler steam engine features a bright holiday greeting as well as the smooth, powerful operation RailKing sets are famous for.

This Christmas train is ready to be a full participant in your family's celebration. You can let the gondola carry its included load of decorative Christmas presents, or you can use it to deliver a real gift to that special someone. And this set hits all the right holiday notes with the inclusion of the cassette player and tape of holiday music in every Christmas Ready-To-Run Set. Add to the spirit of the season by playing Christmas music through the engine's own speaker, thanks to M.T.H.'s exclusive Proto-Cast feature.



Christmas 4-6-0 Steam Ready-To-Run Set

30-4051-0 Loco-Sound™ \$279.95

Locomotive Measures: 19" x 2 1/2" x 3 1/2"

Cars Measures: 10 3/4" x 2 5/16" x 3 1/8"

Set Includes:

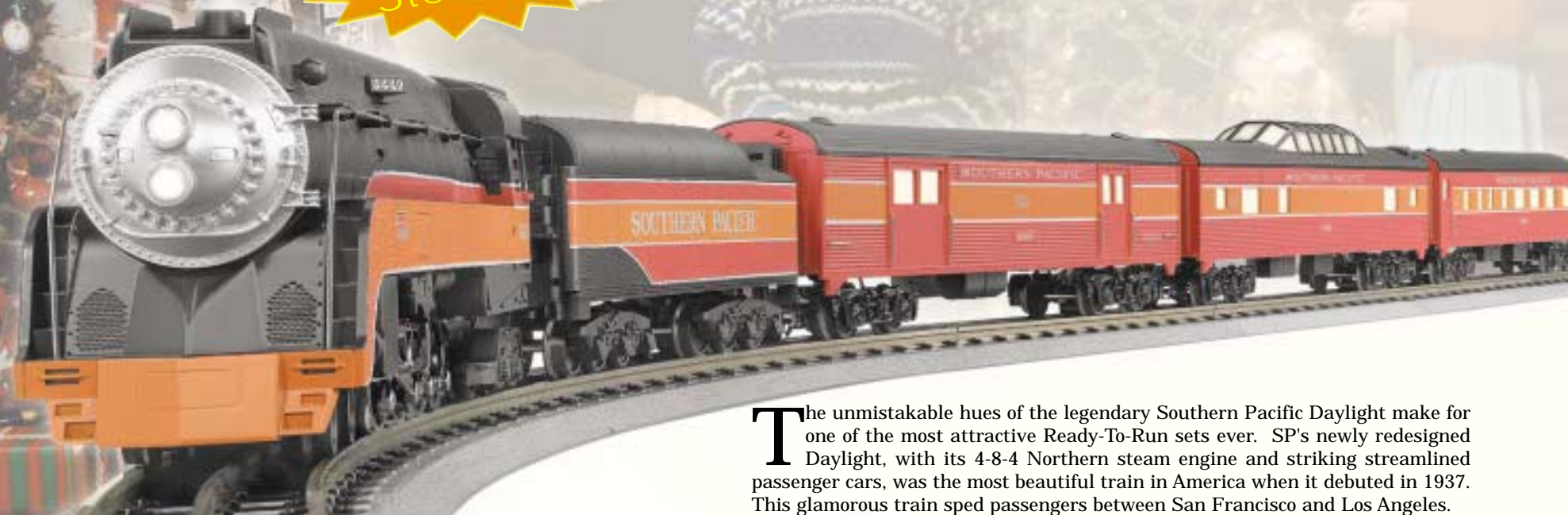
- 4-6-0 Die-Cast Steam Locomotive
- Box Car, Gondola Car with Christmas Presents, Lighted Woodsided Caboose
- Powerful 75-Watt Power Supply and Wireless Remote
- Infrared Activated Lock-On
- Cassette Player, Mini-Jack Cable and Holiday Tape
- 31" x 31" 8-Piece RealTrax® Oval
- Interactive Track Planning Software CD-Rom
- Quick-Start Video



Cassette Player &
Holiday Tape Included

Ready-To-Run Set

Die-Cast
Steamer



O-31
curve

The unmistakable hues of the legendary Southern Pacific Daylight make for one of the most attractive Ready-To-Run sets ever. SP's newly redesigned Daylight, with its 4-8-4 Northern steam engine and striking streamlined passenger cars, was the most beautiful train in America when it debuted in 1937. This glamorous train sped passengers between San Francisco and Los Angeles.

The route required that the engine be capable of pulling heavy loads at high speeds over long distances and grades, and the SP's powerful Northerns were deemed the best engines for the challenging job. The 4-8-4's eight drivers allowed the engine to generate more power than engines with fewer driving wheels, and the four trailing wheels supported a larger firebox, increasing boiler capacity.



■ Southern Pacific 4-8-4 Bantam Daylight Steam Ready-To-Run Set

30-4039-0 Loco-Sound™ \$279.95
30-4039-1 Proto-Sound® 2.0 \$379.95

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

Cars Measures: 13 1/4" x 2 5/16" x 3 1/8"

Set Includes:

- 4-8-4 Gs-4 Die-Cast Steam Locomotive
- 3-Car O-27 Streamlined Lighted Passenger Set
- Powerful 75-Watt Power Supply and Wireless Remote
- Infrared Activated Lock-On
- 31" x 31" 8-Piece RealTrax® Oval
- Interactive Track Planning Software CD-Rom
- Quick-Start Video

Ready-To-Run Set

Die-Cast
Steamer



O-31
curve

The Norfolk & Western Class J 4-8-4 steam locomotive was especially designed to muscle the N&W's passenger cars over the railroad's tough, mountainous terrain. Not only was the engine nimble and powerful enough to top the highest mountains and to slow quickly for sharp curves before exploding back to full speed, but it is also considered one of the most beautiful streamlined steam engines ever built. The J is most famous for heading the deluxe Powhatan Arrow passenger train, which ran between Norfolk, VA, and Cincinnati, OH.

The MTH Bantam 4-8-4 J is a beautiful replica of this engine's sleek good looks. It is backed by a matching streamlined 3-car passenger set, equipped with overhead lighting and detailed car interiors.



■ Norfolk & Western 4-8-4 J Bantam Steam Passenger Ready-To-Run Set

30-4036-0 Loco-Sound™ \$279.95
30-4036-1 Proto-Sound® 2.0 \$379.95

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

Cars Measures: 13 1/4" x 2 1/2" x 3 1/2"

Set Includes:

- 4-8-4 J Die-Cast Steam Locomotive
- 3-Car O-27 Streamlined Lighted Passenger Set
- Powerful 75-Watt Power Supply and Wireless Remote
- Infrared Activated Lock-On
- 31" x 31" 8-Piece RealTrax® Oval
- Interactive Track Planning Software CD-Rom
- Quick-Start Video

Ready-To-Run Set

Two-Motor Diesel



75-Watt Z-750® Transformer & Controller

SCALETRAX™
BY W.H. TRAX



31" x 51" 12 Piece ScaleTrax™ Oval

0-31
curve

M.T.H. responds to popular demand in a big way with the 5-car U.S. Army set. This set packs all kinds of action, including operating freight cars for the first time ever in a RailKing set. Along with the F40PH diesel engine, box car, flat car with tank, and lighted caboose, the set features a flat car with operating helicopter (and the Operating Track Section needed to work it) and a manually operated crane car with moving boom and hook. Everything you need to start basic maneuvers is available in one set.

The set components feature the Official U.S. Army Transportation Corps logo and familiar names: a Corps of Engineers crane car, a 1st Air Cavalry chopper, and an M-1 Abrams Tank. The engine indicates that this train is part of the Delta Force Rapid Deployment team. There is no better way to add action and excitement to any layout than with this complete RailKing set.



■ Army F40PH Ready-To-Run Set

30-4054-1 Proto-Sound® 2.0 \$499.95

Locomotive Measures: 14 1/2" x 2 5/8" x 3 5/8"

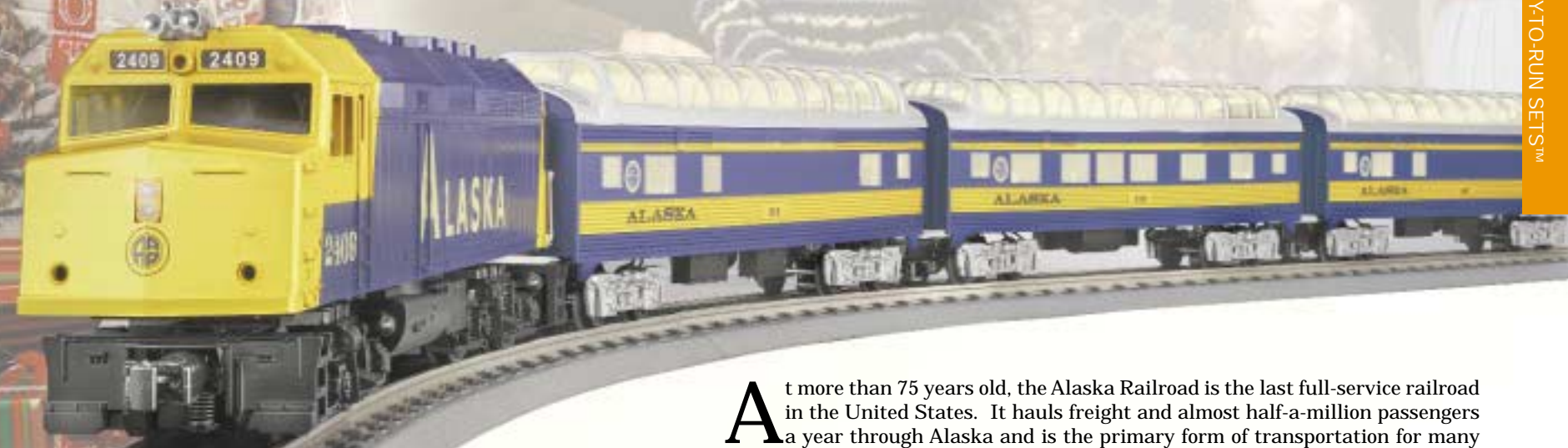
Cars Measures: 10 1/2" x 2 1/4" x 3 1/2"

Set Includes:

- F40PH Two-Motor Diesel Locomotive
- Box Car, Flat Car with Tank, Flat Car with Operating Helicopter, Crane Car, Lighted Bay Window Caboose
- Powerful 75-Watt Z-750® Transformer and Controller
- ScaleTrax™ Lock-On
- 31" x 51" 12-Piece ScaleTrax™ Oval Includes Operating Track Section (OTS)
- Interactive Track Planning Software CD-Rom

Ready-To-Run Set

Two Motors



0-31
curve

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 vast areas where electricity is unavailable and crews have to rely on older methods of signaling. And with only a single track through much of the territory, passenger trains are often forced to pull onto sidings to allow fast freight to pass.



■ Alaska F40PH Ready-To-Run Set

30-4055-0 Loco-Sound™ \$279.95
30-4055-1 Proto-Sound® 2.0 \$379.95

Locomotive Measures: 14 1/2" x 2 5/8" x 3 5/8"

Cars Measures: 13 1/4" x 2 5/16" x 3 1/8"

Set Includes:

- F40PH Two-Motor Diesel Locomotive
- 3-Car Vista Dome Lighted Passenger Set
- Powerful 75-Watt Power Supply and Wireless Remote
- Infrared Activated Lock-On
- 31" x 51" 12-Piece RealTrax® Oval
- Interactive Track Planning Software CD-Rom
- Quick-Start Video

Ready-To-Run Set

Die-Cast Steamer



O-31
curve

By the mid-1940s, the diesel revolution was gaining a foothold in America's railroad power rosters. Realizing that diesel power was proving 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 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.

Enjoy modeling #6200, the only S-2 Pennsy ever made, in a passenger consist.



■ Pennsylvania 6-8-6 Bantam Turbine Steam Ready-To-Run Passenger Set

30-4060-0 Loco-Sound™ \$279.95
30-4060-1 Proto-Sound® 2.0 \$379.95

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

Cars Measures: 13 1/4" x 2 5/16" x 3 1/8"

Set Includes:

- 6-8-6 Bantam Die-Cast Turbine Steam Locomotive
- 3-Car Lighted Passenger Set
- Powerful 75-Watt Power Supply and Wireless Remote
- Infrared Activated Lock-On
- 31" x 31" 8-Piece RealTrax® Oval
- Interactive Track Planning Software CD-Rom
- Quick-Start Video

Ready-To-Run Set

Die-Cast Steamer



O-31
curve

Enjoy modeling #6200, the only S-2 Pennsy ever made, in a freight consist.



■ Pennsylvania 6-8-6 Bantam Turbine Steam Ready-To-Run Set

30-4056-0 Loco-Sound™ \$249.95
30-4056-1 Proto-Sound® 2.0 \$349.95

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

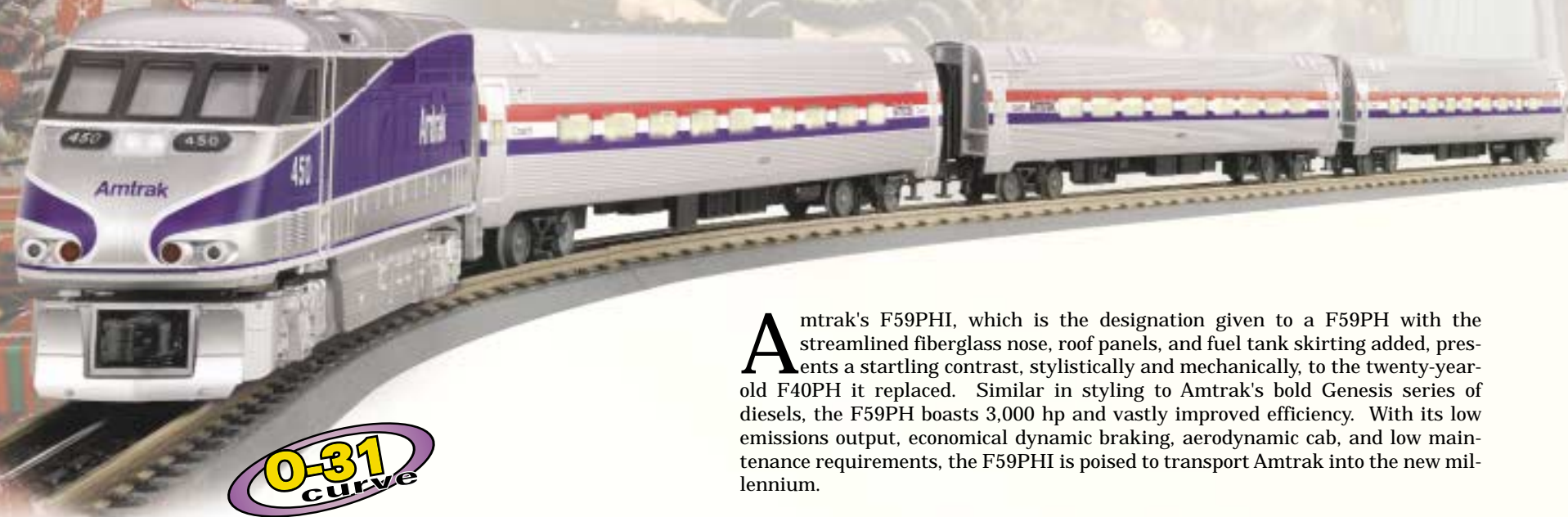
Cars Measures: 10 3/4" x 2 5/16" x 3 1/8"

Set Includes:

- 6-8-6 Bantam Die-Cast Turbine Steam Locomotive
- Hopper Car, Box Car, Lighted N5c Caboose
- Powerful 75-Watt Power Supply and Wireless Remote
- Infrared Activated Lock-On
- 31" x 31" 8-Piece RealTrax® Oval
- Interactive Track Planning Software CD-Rom
- Quick-Start Video

Ready-To-Run Set

Two Motors



Amtrak's F59PHI, which is the designation given to a F59PH with the streamlined fiberglass nose, roof panels, and fuel tank skirting added, presents a startling contrast, stylistically and mechanically, to the twenty-year-old F40PH it replaced. Similar in styling to Amtrak's bold Genesis series of diesels, the F59PH boasts 3,000 hp and vastly improved efficiency. With its low emissions output, economical dynamic braking, aerodynamic cab, and low maintenance requirements, the F59PHI is poised to transport Amtrak into the new millennium.

This Ready-To-Run set makes it easier than ever to bring Amtrak's sleek, streamlined look to your layout. Take it home today and show your support for railroading in the modern era.



Amtrak F59PH Ready-To-Run Set

30-4059-0 Loco-Sound™ \$279.95
30-4059-1 Proto-Sound® 2.0 \$379.95

Locomotive Measures: 14 1/2" x 2 1/2" x 3 1/2"

Cars Measures: 13 1/4" x 2 5/16" x 3 1/8"

Set Includes:

- F59PH Two-Motor Diesel Locomotive
- 3 Amfleet Lighted Passenger Car Set
- Powerful 75-Watt Power Supply and Wireless Remote
- Infrared Activated Lock-On
- 31" x 51" 12-Piece RealTrax® Oval
- Interactive Track Planning Software CD-Rom
- Quick-Start Video

new!

Ready-To-Run Set

Two Motors



Put your railroad to work with this authentic Caterpillar® Ready-To-Run set. Bearing the markings of this respected company, this set adds credibility to your layout the moment you put it on the rails. Painted in a colorful Cat® paint scheme, the modern and powerful SD90 engine pulls three freight cars, including a box car, a depressed-center flat car carrying a bulldozer, and a lighted caboose.

This sturdy, long-running set is the perfect addition to any hard working railroad.



Caterpillar® SD-90MAC Ready-To-Run Set

30-4053-0 Loco-Sound™ \$279.95
30-4053-1 Proto-Sound® 2.0 \$379.95

Locomotive Measures: 14 1/2" x 2 1/2" x 3 1/2"

Cars Measures: 10 1/2" x 2 1/4" x 3 1/2"

Cat® is a registered trademark of Caterpillar, Inc.

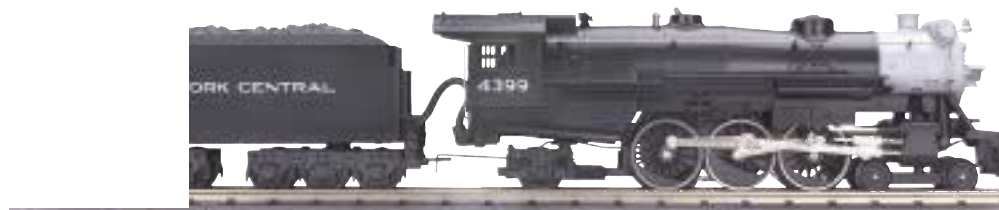
Set Includes:

- SD-90MAC Two-Motor Diesel Locomotive
- Modern Box Car, Dep. Flat with Bull Dozer, Lighted Off-Set Steel Caboose
- Powerful 75-Watt Power Supply and Wireless Remote
- Infrared Activated Lock-On
- 31" x 31" 8-Piece RealTrax® Oval
- Interactive Track Planning Software CD-Rom
- Quick-Start Video

4-6-2 Pacific Steam Locomotives

FACT

As with many steamers, each railroad designed Pacifics to fit their own needs; 4-6-2s ranged in weight from 117,300-347,000 pounds.



■ **New York Central 4-6-2 Pacific**
30-1186-1 Proto-Sound® 2.0 \$429.95

Add a NYC 4-Car Passenger Set
See Page 50



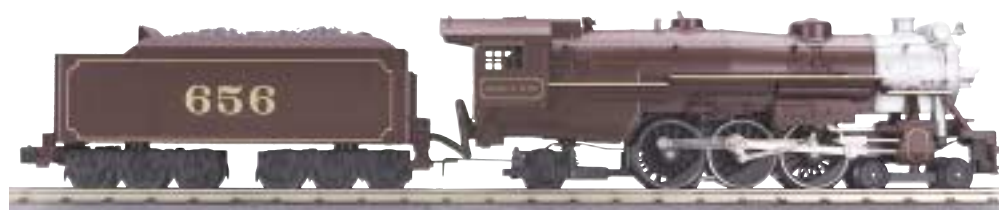
■ **Texas & Pacific 4-6-2 Pacific**
30-1187-1 Proto-Sound® 2.0 \$429.95

Add a T&P 4-Car Passenger Set
See Page 50



■ **Baltimore & Ohio 4-6-2 Pacific**
30-1191-1 Proto-Sound® 2.0 \$429.95

Add a B&O 4-Car Passenger Set
See Page 51



■ **Chicago & Alton 4-6-2 Pacific**
30-1192-1 Proto-Sound® 2.0 \$429.95

Add a C&A 4-Car Passenger Set
See Page 51



Two Wheel Trailing Wheels

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 Flywheel Equipped Motor • Firebox Glow • Remote Controlled Proto-Coupler® • Metal Handrails and Decorative Bell
- Decorative Metal Whistle
- Operating ProtoSmoke® System
- Proto-Sound® 2.0 with Passenger Station Proto-Effects™

■ O-31 Curves
Measures: 20" x 2 1/2" x 3 3/4"



Firebox Glow



Metal Drive Rods

4-6-2 Pacific Steam Locomotives

The 4-6-2 Pacific became the new standard locomotive for passenger service across the U.S. early in the twentieth century. Its larger firebox, supported by the two trailing wheels, gave it greater steaming capacity than the 4-6-0 Ten-Wheeler; the added pair of drivers gave it greater pulling power than the 4-4-2 Atlantic; and the additional front wheels gave the Pacific greater stability than the 2-6-2 Prairie. They were so successful, for their time, that virtually every important passenger-carrying road relied on a fleet of Pacifics to head up their most famous passenger trains.

M.T.H. is proud to present a beautifully detailed 4-6-2 in the markings of the New York Central, Baltimore & Ohio, Texas & Pacific, and Chicago & Alton railroads.

4-6-6-4 Challenger Steam Locomotive

FACT

UP claimed the Challenger let them maintain freight speeds 55% higher than in 1928, when they began the design experiments that led to the 4-6-6-4.



■ **Denver & Rio Grande 4-6-6-4 Challenger**
30-1189-1 Proto-Sound® 2.0 \$699.95



■ **Union Pacific 4-6-6-4 Challenger**
30-1188-1 Proto-Sound® 2.0 \$699.95



Metal Wheels and Side Rods



Operating ProtoSmoke®



Constant Voltage Headlight

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 • Remote Controlled Proto-Coupler® • Metal Handrails and Decorative Bell • Decorative Metal Whistle • Operating ProtoSmoke® System • (2) Precision Flywheel Equipped Motors • Proto-Sound® 2.0 with Freight Yard Proto-Effects™
- O-31 Curves **Measures: 24 3/4" x 2 1/2" x 3 3/4"**

4-6-6-4 Challenger Steam Locomotive

The Union Pacific designed and asked ALCO to build the best high-speed simple articulated engines to grace American rails in the midst of the Great Depression. The 4-6-6-4 Challenger first appeared on UP rails in 1936, and it was clear from the beginning that it could handle tremendous tonnage at high speeds. Though the Challenger was initially designed for freight use, UP also put it into passenger service, and it proved itself capable of handling any task it was given. The railroad was so pleased with its performance that it ordered more of the 4-6-6-4s over the next several years. It was as a result of a war-time order that the Rio Grande took possession of their Challengers. When UP placed their fourth order for the engines, the War Production Board refused to approve the entire order. Instead they diverted six of the Challengers to the Denver & Rio Grande Western Railroad, which received the leased articulateds in 1943. Although UP apparently expected to receive the engines they had ordered at the end of the war, the D&RG Challengers were eventually sold to the Clinchfield Railroad.

M.T.H. is proud to offer the Challenger in its familiar UP and rarer D&RG markings in this handsomely detailed RailKing piece. It is sure to make an impressive appearance on any traditionally-sized layout.

2-8-0 Consolidation Steam Locomotive

FACT

The 2-8-0 Consolidation was named in honor of the consolidation of several regional railroads into the Lehigh Valley.



■ Pennsylvania 2-8-0 Steam

30-1159-1 Proto-Sound® 2.0 \$249.95



Decorative Bell



Metal Side Rods



Remote Controlled Proto-Coupler®

Railroad Retirement

The idea of retiring with a gold watch and a pension was created by the railroads. Before the railroads, nearly all Americans were farmers, a job that offered no pension or retirement. As a result, every railroad had to create its own pension plan from scratch. By the 1920s, thousands of retired railroaders were enjoying comparatively generous benefits. Then came the Depression. Because railroad pensions were offered at the companies' option, pension payments were reduced to match rapidly declining corporate earnings.

Of course, railroad workers objected to this practice and organized to push for government action. The result was the Railroad Retirement Act of 1934, which legally guaranteed pension benefits and required workers to contribute to the pension fund. In many ways it served as a model for the Social Security Act, passed the next year. The Railroad Retirement Act was replaced by the Railroad Retirement and Carrier Taxing Act of 1937, which made rail workers the only private-sector employees outside the Social Security system to have a federally managed pension.

Features

- Die-Cast Boiler and Chassis • ABS Detailed Tender Body • Die-Cast Metal Chassis • Authentic Paint Scheme
- Metal Wheels and Axles • Constant Voltage Operating Headlight • Die-Cast Truck Sides • Precision Flywheel Equipped Motor • Remote Controlled Proto-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

2-8-0 Consolidation 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 the Lehigh and Mahanoy Railroad, an eastern Pennsylvania coal hauler, 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.

SD-90 MAC Diesel Locomotives

FACT

The SD-90MAC generates an astonishing 170,000 pounds of continuous and 200,000 pounds of starting tractive effort as well as 115,000 pounds of dynamic braking effort.



Union Pacific SD-90 MAC

30-2224-0	Loco-Sound™	\$149.95
30-2224-1	Proto-Sound® 2.0	\$249.95



Canadian Pacific SD-90 MAC

30-2225-0	Loco-Sound™	\$149.95
30-2225-1	Proto-Sound® 2.0	\$249.95



Norfolk Southern SD-90 MAC

30-2226-0	Loco-Sound™	\$149.95
30-2226-1	Proto-Sound® 2.0	\$249.95



Features

- Intricately Detailed ABS Body
 - Metal Wheels and Axles
 - Operating Metal Couplers • Die-Cast Truck Sides, Pilots and Fuel Tank • Colorful Paint Scheme • Metal Chassis • Metal Handrails and Decorative Horn • (2) Precision Flywheel Equipped Motors • All Metal Wheels and Gears • 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: 14 1/2" x 2 1/2" x 3 1/2"**



SD-90MAC Diesel Locomotives

The first experiments with AC (alternating current) rather than DC (direct current) diesel-electric engines began in the 1960s. They did not get going in earnest, however, until General Motors plunged into the field with its 4,000-hp SD60MAC in 1991-92, discovering that the AC motors increased an engine's adhesion and allowed it to start a far heavier train than a DC locomotive of the same horsepower. They discovered, however, that horsepower did matter when the engines tried to run at speed; the heavier load slowed the engines down and prevented them from reaching track speed. Things have moved quickly since these discoveries. By 1996 GM had introduced the SD-90MAC, an engine that was designed to be replaced by a 6,000 version as soon as it became available. Now that they are operating at full power with a GM16V265H engine, GM claims that one SD-90MAC can replace two SD40-2's in both heavy haul and high speed freight operations.

M.T.H. is proud to present a replica of this massive engine in the markings of the Canadian Pacific, Norfolk Southern, and Union Pacific railroads. With Loco-Sound or Proto-Sound 2.0, which offers the most realistic operation in model railroading, your SD-90MAC will be the king of your layout.

SW-8 & SW-9 Switcher

FACT

While the SW-8s and -9s were produced as replacements for the aging NW-2 diesel switcher, they proved themselves impervious to age themselves, becoming railyard mainstays for decades.



■ Penn Central SW-8 Switcher Diesel

30-2220-0	Loco-Sound™	\$149.95
30-2220-1	Proto-Sound® 2.0	\$249.95



■ Long Island SW-8 Switcher Diesel

30-2222-0	Loco-Sound™	\$149.95
30-2222-1	Proto-Sound® 2.0	\$249.95



■ Alaska SW-9 Switcher Diesel

30-2221-0	Loco-Sound™	\$149.95
30-2221-1	Proto-Sound® 2.0	\$249.95



■ Santa Fe SW-9 Switcher Diesel

30-2223-0	Loco-Sound™	\$149.95
30-2223-1	Proto-Sound® 2.0	\$249.95



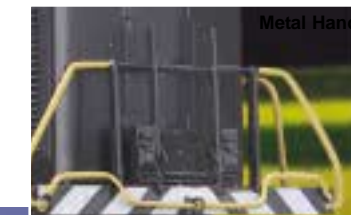
Authentic Paint Schemes

Features

- Intricately Detailed ABS Body
- Metal Wheels and Axles
- Operating Metal Couplers • Die-Cast Truck Sides, Pilots and Fuel Tank • Colorful Paint Scheme • Metal Chassis
- Metal Handrails and Decorative Horn • (2) Precision Flywheel Equipped Motors • All Metal Wheels and Gears • 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" x 2 1/2" x 3 1/2"

near scale



Metal Handrails



Decorative Horn

SW-8 & SW-9 Diesel Locomotive

EMD's 800-hp SW-8s and 1,200-hp SW-9s both debuted in 1950, marking the next stage in the evolution of one of railroading's longest-lived diesel families. The first SW-class engine, the 600-hp SW1, appeared in 1939, and the SW-units remained in the EMD catalog until the 1,000-hp SW-1000 was finally retired in 1986. With the "SW" in the name denoting that the engine was built for switching duties, it never needed the high horsepower ratings of road diesels. They could be paired with cab-less "calf" units in the classic cow and calf configuration if a particular job needed more power.

M.T.H. is proud to make these boxy little workhorses available in a new variety of roadnames: Long Island, Penn Central, Alaska, and Santa Fe. They are available with your choice of Loco-Sound or Proto-Sound 2.0 and come with the features listed.

Engine Displacement

When EMD and other builders give the prime movers in their diesel-electric locomotives a number for a name, they are referring to the displacement for each cylinder. Displacement is the volume of area a piston moves within each cylinder. So, for the much-used 567 engine, each cylinder had a 567-cubic inch displacement. That is more than the combined displacement of all the cylinders in the largest production automobile engine ever made. When you multiply that 567-cubic inch displacement (or larger for some engines) by the twelve to sixteen cylinders each engine had, the raw power of these monsters becomes clear.

Delivers

LOADS LOADS LOADS
LOADS of FUN



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 come with every Rugged Rails gondola car

Each Car Measures Approximately:
10 3/4" x 2 5/16" 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

Sturdy ABS Bodies

Undercarriage Details

Sliding Doors (where applicable)

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



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



INCLUDES DIE-CAST CAR

New York Central, Flat Car with Road Legends® 1957 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



INCLUDES DIE-CAST CAR

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



Milwaukee Road, Gondola Car 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



INCLUDES DIE-CAST CAR

Chessie, Flat Car with Road Legends® 1957 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

LIGHTED CABOOSSES



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



INCLUDES DIE-CAST CAR

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 road-names. 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 Plastic
- Die-Cast 4 or 6-Wheel Trucks
- Operating Die-Cast Metal Couplers
- Colorful Paint Schemes
- Most Cars Operate on O-27 Track
- Decorative Brake Wheels
- Lighted Caboose, 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



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



Louisville & Nashville, 3-Dome Tank Car
\$32.95 30-7008B ■ O-27 Curves



Penn Central, 3-Dome Tank Car
\$32.95 30-7343 ■ O-27 Curves



McDonald's®, 33K Gallon Tank Car
\$39.95 30-7339 ■ O-31 Curves



Suburban Propane, 33K Gallon Tank Car
\$34.95 30-7340 ■ O-31 Curves



Canadian Pacific, 4-Bay Cylindrical Hopper
\$32.95 30-7558 ■ O-31 Curves



Santa Fe, 4-Bay Cylindrical Hopper
\$32.95 30-7557 ■ O-31 Curves



Norfolk & Western, 50' Double Door Plugged Box Car
\$34.95 30-7470 ■ O-31 Curves



Union Pacific, 50' Double Door Plugged Box Car
\$34.95 30-7469 ■ O-31 Curves



Lehigh Valley, 50' Modern Box Car
\$34.95 30-7442 ■ O-31 Curves



Union Pacific, 50' Modern Box Car
\$34.95 30-7443 ■ O-31 Curves



CP Rail, Crane Car
\$49.95 30-7009C ■ O-27 Curves



Louisville & Nashville, Crane Car
\$49.95 30-7008D ■ O-27 Curves

McDonald's® is a registered trademark of the McDonald's Corporation



Louisville & Nashville, Rounded Roof Box Car
\$32.95 30-7008C ■ O-27 Curves



Hanjin, Husky Stack Car
\$39.95 30-7643 ■ O-31 Curves



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



Alaska, Box Car
\$32.95 30-7468 ■ O-27 Curves



New Haven, Box Car
\$32.95 30-7475 ■ O-27 Curves



State of Maine, Box Car
\$32.95 30-7473 ■ O-27 Curves



Santa Fe, Rounded Roof Box Car
\$32.95 30-7471 ■ O-27 Curves



Santa Fe, Husky Stack Car
\$39.95 30-7644 ■ O-31 Curves



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



New York Central, Box Car
\$32.95 30-7476 ■ O-27 Curves



Timken, Box Car
\$32.95 30-7477 ■ O-27 Curves



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



Penn Central, Rounded Roof Box Car
\$32.95 30-7472 ■ O-27 Curves



Chicago NorthWestern, Depressed Flat Car
\$32.95 30-76006 ■ O-31 Curves



Union Pacific, Ore Car
\$32.95 30-7560 ■ O-27 Curves



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



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



Alaska, Heavy Duty Snow Plow
\$39.95 30-7954 ■ O-31 Curves



Seaboard, Rounded Roof Box Car
\$32.95 30-7449 ■ O-27 Curves



Union Pacific, Depressed Flat Car
\$32.95 30-76005 ■ O-31 Curves



Denver & Rio Grande, Ore Car
\$32.95 30-7561 ■ O-27 Curves



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



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



CP Rail, Bunk Car
\$39.95 30-7009A ■ O-27 Curves



Army, Flat Car with Airplane
\$39.95 30-76004 ■ O-27 Curves



MTH Transport, Flat Car with Airplane
\$39.95 30-7672 ■ O-27 Curves



MTH Transport, Flat Car with Ertl® Fire Engine
\$32.95 30-7629 ■ O-27 Curves



Erie Lackawanna, Bulkhead Flat Car
\$32.95 30-7637 ■ O-31 Curves



Santa Fe, Bulkhead Flat Car
\$32.95 30-76003 ■ O-31 Curves



Southern Pacific, Bulkhead Flat Car
\$32.95 30-7636 ■ O-31 Curves



CP Rail, Flat Car with 4 Freight Car Trucks
\$34.95 30-7009D ■ O-27 Curves



MTH Transport, Flat Car with 8 Wheel Sets
\$34.95 30-7668 ■ O-27 Curves



MTH Transport, Flat Car with 4 Freight Car Trucks
\$34.95 30-7669 ■ O-27 Curves



Canadian Pacific, Modern Reefer Car
\$32.95 30-7826 ■ O-27 Curves



Milwaukee Road, Modern Reefer Car
\$32.95 30-7827 ■ O-27 Curves



Alaska, Modern Reefer Car
\$32.95 30-7825 ■ O-27 Curves



New York Central, Flat Car with Trailer
\$34.95 30-7608 ■ O-27 Curves



Louisville & Nashville, Flat Car with Trailer
\$34.95 30-7008A ■ O-27 Curves



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



Amtrak, Searchlight Car
\$39.95 30-7927 ■ O-31 Curves



Chessie, Searchlight Car
\$39.95 30-7933 ■ O-31 Curves



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



Denver & Rio Grande, Flat Car with Trailer
\$34.95 30-76008 ■ O-27 Curves



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



Penn Central, Flat Car with Trailer
\$34.95 30-76007 ■ O-27 Curves



Pennsylvania, Searchlight Car
\$39.95 30-7937 ■ O-31 Curves



Southern Pacific, Searchlight Car
\$39.95 30-7938 ■ O-31 Curves



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



Conrail, Ps-2 Discharge Hopper Car
\$34.95 30-7534 ■ O-27 Curves



Berghoff Beer, Reefer Car
\$32.95 30-7824 ■ O-27 Curves



Parrot Potatoes, Reefer Car
\$32.95 30-7823 ■ O-27 Curves



Alaska, Steel Caboose
\$49.95 30-7752 ■ O-27 Curves



Chicago NorthWestern, Steel Caboose
\$49.95 30-7734 ■ O-27 Curves



Pennsylvania, N5c Caboose
\$49.95 30-7730 ■ O-27 Curves



Baltimore & Ohio, Ps-2 Discharge Hopper Car
\$34.95 30-7555 ■ O-27 Curves



Pepper Packing, Reefer Car
\$32.95 30-7816 ■ O-27 Curves



Louisville & Nashville, Gondola Car
\$32.95 30-7008E ■ O-27 Curves



Denver & Rio Grande, Steel Caboose
\$49.95 30-7753 ■ O-27 Curves



Louisville & Nashville, Steel Caboose
\$49.95 30-7008F ■ O-27 Curves



Alaska, Tank Car
\$32.95 30-7341 ■ O-27 Curves



Penn Central, Ps-2 Discharge Hopper Car
\$34.95 30-7559 ■ O-27 Curves



Needham Packing, Reefer Car
\$32.95 30-7815 ■ O-27 Curves



CP Rail, Gondola Car
\$32.95 30-7009E ■ O-27 Curves



Southern Pacific, Steel Caboose
\$49.95 30-7737 ■ O-27 Curves



CP Rail, Steel Caboose
\$49.95 30-7009F ■ O-27 Curves



Hooker, Tank Car
\$32.95 30-7342 ■ O-27 Curves



Atlantic Coast Line, Ps-2 Discharge Hopper Car
\$34.95 30-7556 ■ O-27 Curves



Wilson & Company, Reefer Car
\$32.95 30-7822 ■ O-27 Curves



Denver & Rio Grande, Gondola Car with Cover
\$32.95 30-7222 ■ O-27 Curves



Baltimore & Ohio, Bay Window Caboose
\$49.95 30-7750 ■ O-27 Curves



Penn Central, Steel Caboose
\$49.95 30-7751 ■ O-27 Curves



Take your layout vertical with a helicopter that really flies!



Red Cross, Flat Car with Operating Helicopter
\$59.95 30-7942 ■ O-27 Curves



MTH Transport, Flat Car with Operating Helicopter
\$59.95 30-7658 ■ O-27 Curves



Western Pacific, Log Dump Car
\$49.95 30-7959 ■ O-27 Curves



Maine Central, Log Dump Car
\$49.95 30-7960 ■ O-31 Curves

Pushed by engines, the rotor spins clearing snow off track.



Alaska, Operating Rotary Snow Plow
\$59.95 30-7961 ■ O-27 Curves



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



Union Pacific, Operating Rotary Snow Plow
\$59.95 30-7962 ■ O-27 Curves



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



Santa, Operating Hand Car
\$59.95 30-2511 ■ O-27 Curves



Baltimore & Ohio, Die-Cast Reefer Car
\$49.95 30-8604 ■ O-27 Curves



Pacific Fruit, Die-Cast Reefer Car
\$49.95 30-8603 ■ O-27 Curves



Tropicana, Die-Cast Reefer Car
\$49.95 30-8605 ■ O-27 Curves



Alaska, Die-Cast Depressed Center Flat Car
\$49.95 30-8307 ■ O-31 Curves



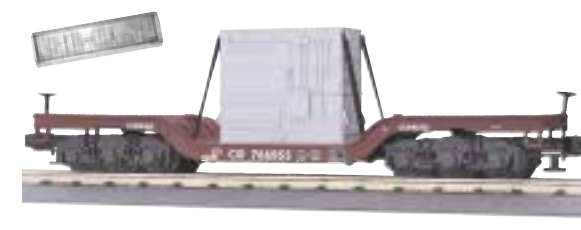
Baltimore & Ohio, Die-Cast Gondola Car
\$49.95 30-8205 ■ O-27 Curves



Chessie, Die-Cast Tank Car
\$49.95 30-8105 ■ O-27 Curves



Baltimore & Ohio, Die-Cast Box Car
\$49.95 30-8405 ■ O-27 Curves



Conrail, Die-Cast Depressed Center Flat Car
\$49.95 30-8309 ■ O-31 Curves



Burlington, Die-Cast Gondola Car
\$49.95 30-8203 ■ O-27 Curves



New York Central, Die-Cast Tank Car
\$49.95 30-8104 ■ O-27 Curves



New York Central, Die-Cast Box Car
\$49.95 30-8403 ■ O-27 Curves



Penn Central, Die-Cast Depressed Center Flat Car
\$49.95 30-8308 ■ O-31 Curves



Reading, Die-Cast Gondola Car
\$49.95 30-8204 ■ O-27 Curves



Texas & Pacific, Die-Cast Tank Car
\$49.95 30-8106 ■ O-27 Curves



RailBox, Die-Cast Box Car
\$49.95 30-8404 ■ O-27 Curves

FREIGHT CARS

RAILKING MADISON PASSENGER CARS

RailKing passenger cars are available in the popular O-27 and 60' Madison car varieties. Our cars will bring authenticity and smooth operation to your early to mid-twentieth-century layout.



Pennsylvania, 2-Car O-27 Madison Combo/Diner Passenger Set
\$79.95 30-6238



CP Rail, O-27 Madison Diner Car
\$39.95 30-7009B



Texas & Pacific, 4-Car 60' Madison Passenger Set
\$199.95 30-6916



Texas & Pacific, 2-Car 60' Madison Combo/Diner Passenger Set
\$99.95 30-6917



Texas & Pacific, 60' Madison Coach Passenger Car
\$49.95 30-6918



New York Central, 4-Car 60' Madison Passenger Set
\$199.95 30-6913



New York Central, 2-Car 60' Madison Combo/Diner Passenger Set
\$99.95 30-6914



New York Central, 60' Madison Coach Passenger Car
\$49.95 30-6915



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



Baltimore & Ohio, 2-Car O-27 Madison Combo/Diner Set
\$79.95 30-6269



Chicago & Alton, 4-Car 60' Madison Passenger Set
\$199.95 30-6922



Chicago & Alton, 2-Car 60' Madison Combo/Diner Passenger Set
\$99.95 30-6923



Chicago & Alton, 60' Madison Coach Passenger Car
\$49.95 30-6924



Baltimore & Ohio, 4-Car 60' Madison Passenger Set
\$199.95 30-6919



Baltimore & Ohio, 2-Car 60' Madison Combo/Diner Passenger Set
\$99.95 30-6920



Baltimore & Ohio, 60' Madison Coach Passenger Car
\$49.95 30-6921

Features
O-27 Madison Car Features: • Die Cast 6 Wheel Trucks • Operating Metal Couplers • Interior Detail • Overhead Lighting • Undercarriage Detail • End-of-Car Diaphragms ■ O-27 Curves **Measures Approximately:** 13 3/4" x 2 1/2" x 3 1/2"
60' Madison Car Features: • Die-Cast 6-Wheel Trucks • Operating Metal Couplers • Interior Detail • Overhead Lighting • Undercarriage Detail • End-of-Car Diaphragms ■ O-31 Curves **Measures Approximately:** 16 11/16" x 2 5/8" x 3 5/16"



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.

54 Premier Steam Locomotives

4-8-2 UIF Mountain, 4-8-4 Unshrouded J

58 Premier Diesel Locomotives

2500 HP Transfer, BL-2, Centipede AA, E-8 ABA, F-3 ABA, F59PH, GP-40, SD-80MAC, SD-90MAC, M10000 Diesel Passenger Set

76 Premier Freight Cars

86 Premier Passenger Cars

The Tech Model Railroad Club (TMRC)

The Tech Model Railroad Club (TMRC) has been a student club at MIT for more than 50 years. In addition to building a series of large HO scale layouts, the TMRC has had a decisive influence on the development of the modern computer and its uses, including computer applications in model railroading.

By the late 1950s the club's Signals & Power (S&P) Committee had rigged up an automated railroad control system using telephone switch equipment donated by Western Electric. The S&P members became more focused on the wires under the layout, constantly adjusting, experimenting, and "improving" the system. The projects they built just to see if an idea would work were called "hacks" and the S&P members were known as "hackers." This is the origin of the term, and TMRC members are quick to point out that the destructive activities many people associate with the name "hacker" are a distortion of the name and what it stands for.

M.T.H. is proud to be a part of the computer revolution the TMRC helped start in model railroading. Our engines and many operating accessories use technological innovations to add ever-greater realism to your model railroading fun. Somewhere, a hacker is smiling.

PAGE 54
Steam Engines



PAGE 58
Diesel Engines



PAGE 76
Freight Cars



4-8-2 U1F Mountain Steam Locomotive

FACT

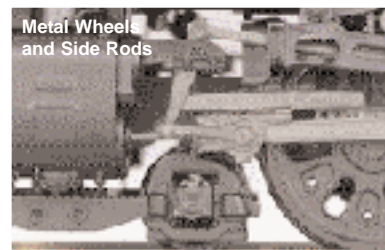
The U1F was designed as a coal burner for Eastern service but many were later converted to oil firing for service in the West.



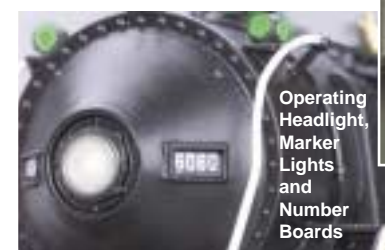
Canadian National 4-8-2 U1F Mountain
20-3057-1 Proto-Sound® 2.0 \$1095.95

Add a Canadian National 5-Car Passenger Set
See Page 87

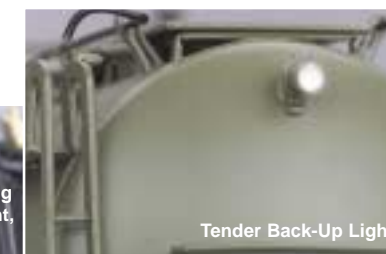
new!



Metal Wheels and Side Rods



Operating Headlight, Marker Lights and Number Boards



Tender Back-Up Light

Headlights

The first headlight for an American locomotive was actually a special car the South Carolina Railroad ran in 1832. In front of the locomotive, two small flatcars were set up. On the first, a campfire burned atop a bed of sand. On the second was a large, polished metal reflector. This primitive design allowed the first night trains to run.

A few years later, oil-burning lamps were being mounted on the locomotives and these soon became standard equipment. In 1874, the first electric headlight appeared. While it worked, it required regular maintenance of its large storage batteries. In 1883, a French railroad tried powering electric lights using power generated by a small steam turbine mounted on the engine. This method was successful and became widespread in the USA over the next decade. In 1915, federal law mandated that all steam locomotives carry turbine-driven electric headlights.

Later developments have continued to make electric headlights brighter and more powerful. During the 1930s-50s, several railroads experimented with flashing "Mars" lights to help warn of the train's approach. In the 90s, "ditch lights" were added, to shine at ground level.

Features

• Die-Cast Boiler and Tender Body • Die-Cast Metal Chassis • Metal Wheels and Axles • Authentic Paint Scheme
• Constant Voltage Headlight • Die-Cast Truck Sides • Precision Pittman® Flywheel Equipped Motor • Remote Controlled Proto-Coupler® • 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 • Proto-Sound 2.0 With The Digital Command System Featuring Passenger Station Proto-Effects ■ O-54 Curves **Measures: 23 1/2" x 2 5/8" x 3 3/4"**

4-8-2 U1F Mountain Steam Locomotive

Canadian National took delivery of its first 4-8-2 locomotives in 1923, when they received the first sixteen of an ultimate fleet of 79 Mountains purchased over the next 20 years. Like the 4-8-2s on other railroads, CN's U1-class engines were designed for both passenger and freight service. The CN continued to order and operate 4-8-2s throughout its remaining steam years, demonstrating their confidence in the Mountains' power, speed, and reliability. M.T.H. models the CN's semi-streamlined U1F Mountain, which is distinguished by the conical smokebox front covers, which earned them the nickname "Bullet Nose Betties." Designed for fast passenger service and built by Montreal Locomotive Works in 1944 and early 1945, the 20 U1Fs were the last new steam power the railroad received. The last of the U1Fs was retired in 1962, the year after the Northern's had disappeared from the CN lines.

M.T.H. models CNR 6060, also known as the Spirit of Alberta, which is currently based in Stettler, Alberta, and used for summer railfan excursions. This beautifully detailed model will impress everyone who sees its smooth, powerful performance on your fast passenger and dual service road.

4-8-4 Unshrouded J Steam Locomotive

FACT

When the boiler pressure of the five uncowled Js was later raised to 300 pounds to match the other Js, they generated starting tractive effort of 80,000 pounds, the highest ever for a Northern.



Norfolk & Western 4-8-4 Unshrouded J
20-3058-1 Proto-Sound® 2.0 \$1095.95

new!



Operating Marker Lights



Die-Cast Chassis and Trucks



Lighted Cab Interior with sliding cab windows



4-8-4 Unshrouded J Steam Locomotive

Although the N&W Class J steamers are best known for their streamlined, cowled appearance, the railroad built five uncowled 4-8-4s without lightweight rods, classed J1, in 1943 to conserve war materials. Although the N&W surely knew that the Js would ultimately be used for passenger service, the restrictions of the War Production Board required that they be classified as freight engines and given an appropriately lower boiler pressure than the other Js had. Even without its characteristic sleek appearance, the unstreamlined Js were able to muscle their loads over the mountainous N&W territory, serving admirably for their part in the war effort. These five engines were later given cowls and the usual Class J siderods.

Capturing a special moment in railroading history, M.T.H.'s uncowled J1 steamer gives you a unique opportunity to recreate wartime motive power on your own railroad. This unusual version of a popular engine will lend an undeniable air of authenticity to your World War II-era layout.

Features

- Die-Cast Boiler and Tender Body • Die-Cast Metal Chassis • Metal Wheels and Axles • Authentic Paint Scheme • 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 The Digital Command System Featuring Freight Yard Proto-Effects ■ O-54 Curves **Measures: 27 1/4" x 2 5/8" x 4"**



2500 HP Transfer Diesel Locomotive

FACT

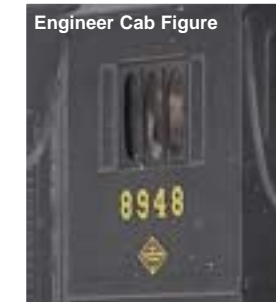
Lima-Hamilton built only these 22 transfer units, 136 switchers, and 16 road switchers before they were subsumed in a merger with Baldwin.



■ Pennsylvania 2500 HP Transfer Diesel

20-2302-1 Proto-Sound® 2.0 \$429.95

new!



Horsepower and Tractive Effort: What's the Difference?

Among the most important statistics for any locomotive are horsepower and tractive effort. But what do those two terms mean, exactly, and how do they differ? Horsepower, the rate at which an engine does its work, determines train speed; the higher the horsepower, the faster a given locomotive can go. Horsepower peaks at speed, which may be a fast or slow speed depending on the locomotive gearing. Tractive effort, on the other hand, tells us how heavy a train an engine can start. Tractive effort increases along with the amount of weight on the driving wheels and can be aided by specially designed tires and wheel-slip systems. Ideally, tractive effort and horsepower work hand-in-hand for the highest efficiency, to let an engine start the heaviest train it can pull at speed.

Tractive effort can be equated to draw bar pull in a model locomotive. You often hear people talking about "draw bar pull" or, in different language, about how many cars their engines can pull without the wheels slipping. The same principles of tractive effort apply here as with the prototype engines.

Features

- Metal Wheels and Axles • Die-Cast Truck Sides, Pilots and Fuel Tank • (2) Remotely Controlled Proto-Couplers® • Authentic Paint Scheme • (2) Precision Flywheel Equipped Motors • All Metal Wheels and Gears • Illuminated Number Boards • (2) Engineer Cab Figures • Directionally Controlled Headlights • Intricately Detailed ABS Body • Metal Chassis • Metal Handrails and Decorative Horn • Lighted Cab Interior • Lighted Marker Lights • Operating Smoke Unit • Proto-Sound 2.0 With The Digital Command System Featuring Freight Yard Proto-Effects ■ O-42 Curves **Measures: 18 5/8" x 2 1/2" x 3 5/8"**

2500 HP Transfer Diesel Locomotive

In 1950-1951, Lima-Hamilton built twenty-two colossal 2,500-hp transfer units for the Pennsylvania Railroad. These boxy center-cab units served for transfer work, which was similar to switching but on a larger scale. Rather than simply moving cars around a yard, these more powerful diesel engines moved cars from one yard to another, covering longer distances and heavier consists that would have been too challenging for many switchers. Although this large, dual-engine unit worked well for the PRR and its need to move coal cars from the mines to a central yard, such a large transfer unit proved too bulky and inflexible for many railroads, which opted for a cow-and-calf arrangement when they needed to perform heavier switching duties.

M.T.H. continues our proud tradition of offering models of unusual prototypes with an impressive, highly detailed version of this unique engine. With the realistic operation offered by Proto-Sound 2.0, it will add interest to your working layout.

Available in Three Cab Numbers for Proto-Typical Multi-Head Operations



BL-2 Diesel Locomotive



FACT
The BL-2 was powered by EMD's 16 cylinder, 1500hp 567B engine



Rock Island BL-2 Diesel
20-2313-1 Proto-Sound® 2.0 \$369.95



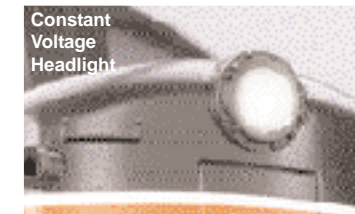
Chesapeake & Ohio BL-2 Diesel
20-2314-1 Proto-Sound® 2.0 \$369.95



Bangor & Aroostook BL-2 Diesel
20-2315-1 Proto-Sound® 2.0 \$369.95



Boston & Maine BL-2 Diesel
20-2316-1 Proto-Sound® 2.0 \$369.95

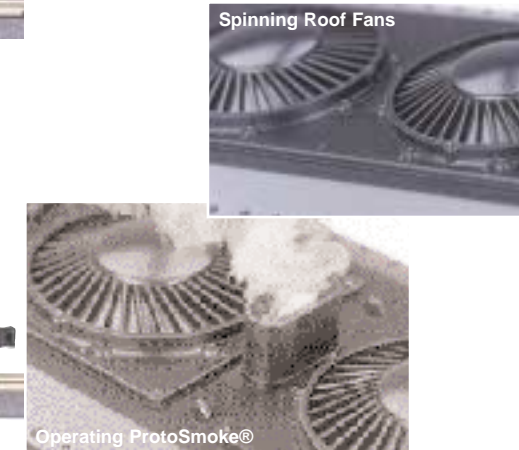


Constant Voltage Headlight

Features

- Metal Wheels and Axles • Die-Cast Truck Sides, Pilots and Fuel Tank
 - (2) Remotely Controlled Proto-Couplers® • Authentic Paint Scheme
 - All Metal Wheels and Gears • Illuminated Number Boards • Metal Body Side Grilles
 - Directionally Controlled Headlights
 - Intricately Detailed ABS Body
 - Metal Chassis • Metal Handrails and Decorative Horn • Lighted Marker Lights • Spinning Roof Fans • Lighted Cab Interiors • (2) Engineer Cab Figures • Operating Smoke Unit
 - (2) Precision Flywheel Equipped Motors • Proto-Sound 2.0 With The Digital Command System Featuring Freight Yard Proto-Effects
 - O-31 Curves
- Measures: 15 1/2" x 2 5/8" x 3 7/8"**

Spinning Roof Fans



Operating ProtoSmoke®

BL-2 Diesel Locomotive

In 1948-49, EMD produced an important transitional diesel locomotive: the BL2. EMD used the BL2 to help explore options, to determine what kind of motive power would best serve railroads' needs in the coming decades. As originally designed, the BL2 was intended for light branchline work, and EMD did not think it needed to be equipped for multiple-unit operation. However, most railroads indicated an interest in MU flexibility, and EMD altered their plans to equip most of the units that way. Although the BL2 offered little in the way of mechanical advancement, the engine's intermediary appearance between cab units like the F-series engines and hood units like the GP7, which followed quickly on its heels, mark it as an important link in the evolution of the diesel engine. It combines a cab-unit windshield and semi-streamlined body with a bi-directional-looking cab and footboards and end platforms suited for switching.

M.T.H. presents this unique locomotive in the livery of the Bangor & Aroostook, Boston & Maine, Chesapeake & Ohio, and Rock Island railroads. With its swooping fenders that clearly reflect the era in which it was born, the BL2 will be a perfect addition to any 1950s pike.

Available in Three Cab Numbers for Proto-Typical Multi-Head Operations



Centipede AA Diesel Set

FACT

The Centipede's official name, the DR-12-8-3000, reflects the engine's 12 axles, two super-charged, four-cycle 8-cylinder engines, and 3000 horsepower.



Seaboard Centipede AA Diesel Set

20-2312-1 Proto-Sound® 2.0 \$749.95

Centipede AA Diesel Set

No one who has ever seen a profile of the Centipede can doubt where the engine got its nickname. With 12 axles under each A unit, the enormous Baldwin-built engine is easy to identify. Seaboard Air Line took delivery of its first Centipede, #4500, in 1945. This fast and powerful engine allowed SAL with its twisting, curving lines to compete with its local rival, Atlantic Coast Line, which had far flatter and straighter track to maneuver. Although SAL's Centipedes were bought primarily to head up heavy, fast freight runs speeding fresh Florida produce to northern markets, they were sometimes pressed into passenger service. Maintenance - especially of each unit's 96 brake shoes and 40 brake cylinders - proved too expensive to continue for long, and the Centipedes were retired in 1957, after having been assigned to service in Florida for their last few years.

M.T.H. is proud to make this monster of the mainline available to fans of another railroad. This massive engine will take the breath away from everyone who sees it operating on your layout.



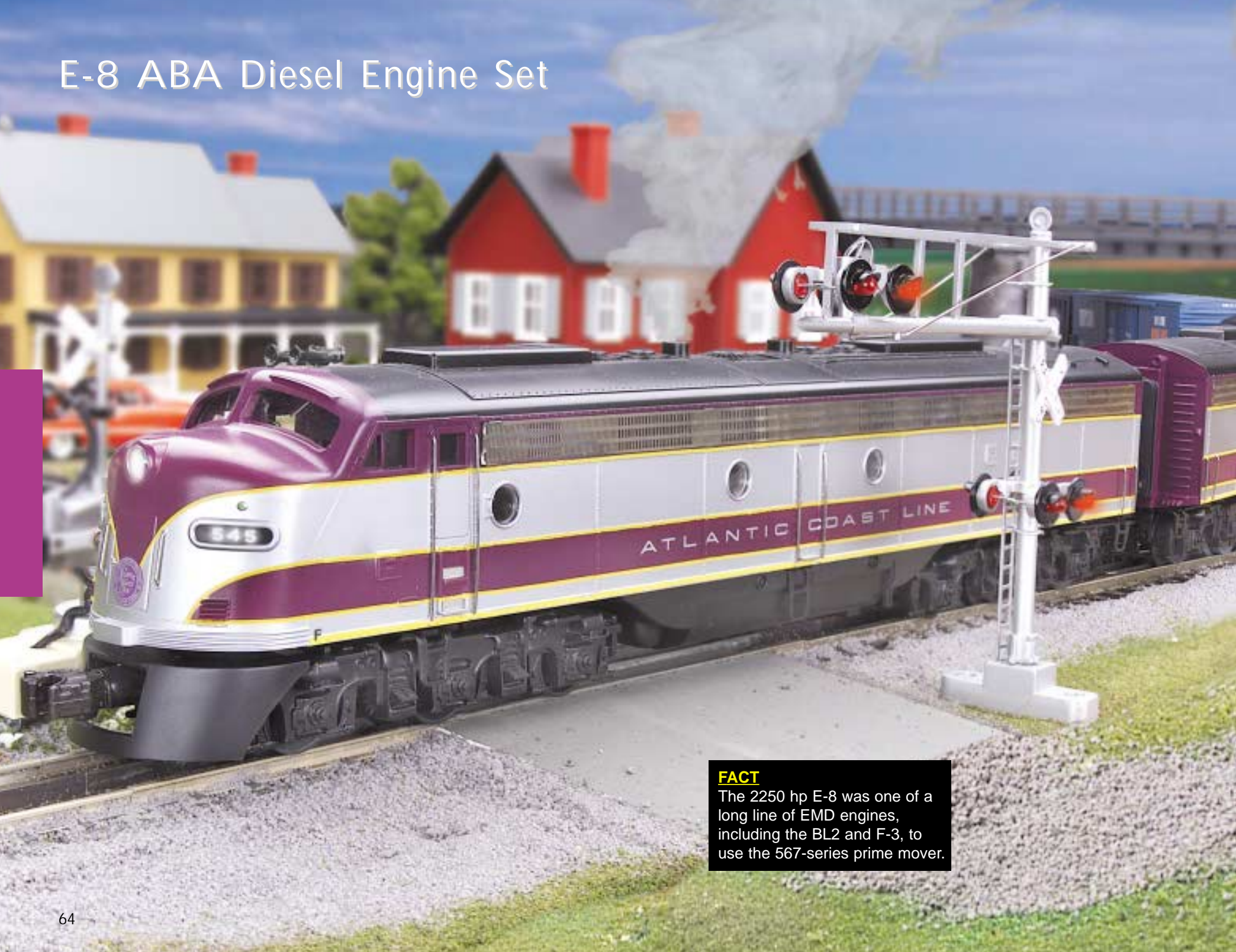
Features

- Metal Wheels and Axles • Die-Cast Truck Sides and Pilots • (2) Remotely Controlled Proto-Couplers® • Authentic Paint Scheme • All Metal Wheels and Gears • Illuminated Number Boards • Metal Body Side Grilles • Directionally Controlled Headlights • Intricately Detailed ABS Body • Metal Chassis • Metal Handrails and Decorative Horn • Lighted Marker Lights • Spinning Roof Fans • (4) Operating Smoke Units • (2) Precision Flywheel Equipped Motors In Each A Unit • Lighted Cab Interiors • (2) Engineer Cab Figures In Each A Unit • Proto-Sound 2.0 With The Digital Command System Featuring Freight Yard Proto-Effects ■ O-72 Curves

Measures: 46" x 2 1/2" x 3 3/4"



E-8 ABA Diesel Engine Set



FACT
The 2250 hp E-8 was one of a long line of EMD engines, including the BL2 and F-3, to use the 567-series prime mover.



Atlantic Coast Line E-8 ABA Diesel Engine Set
20-2303-1 Proto-Sound® 2.0 \$699.95

Add a Atlantic Coast Line 5-Car Passenger Set
See Page 87



Milwaukee Road E-8 ABA Diesel Engine Set
20-2304-1 Proto-Sound® 2.0 \$699.95

Add a Milwaukee Road 5-Car Passenger Set
See Page 88



Great Northern E-8 ABA Diesel Engine Set
20-2305-1 Proto-Sound® 2.0 \$699.95

Add a Great Northern 5-Car Passenger Set
See Page 88



New York Central E-8 ABA Diesel Engine Set
20-2317-1 Proto-Sound® 2.0 \$699.95

Add a New York Central 5-Car Passenger Set
See Page 88



Richmond Frederick & Potomac E-8 ABA Diesel Engine Set
20-2318-1 Proto-Sound® 2.0 \$699.95

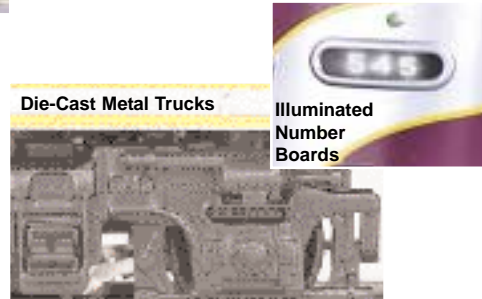
Add a Richmond Frederick & Potomac 5-Car Passenger Set - See Page 89

- Features**
- Metal Wheels and Axles • Die-Cast Truck Sides, Pilots and Fuel Tank • (2) Remotely Controlled Proto-Couplers®
 - Authentic Paint Scheme • All Metal Wheels and Gears • Illuminated Number Boards • Metal Body Side Grilles • Directionally Controlled Headlights • Intricately Detailed ABS Body • Metal Chassis • Metal Handrails and Decorative Horn • Lighted Marker Lights • Spinning Roof Fans • (2) Operating Smoke Units Per Set • (2) Precision Flywheel Equipped Motors In Each A Unit • Lighted Cab Interiors • (2) Engineer Cab Figures In Each A Unit • Operating MARS Light on Great Northern and Milwaukee Road Engines Only • Proto-Sound 2.0 With The Digital Command System Featuring Passenger Station Proto-Effects ■ O-31 Curves **Measures: 53" x 2 1/2" x 3 1/2"**

E-8 ABA Diesel Engine Set

Built in the early '50s, the E-8 was one of the most popular of EMD's E-series locomotives. Sporting one of the last of EMD's "Bulldog" nose shapes popularized in the 1940s, the 6,750 hp E-8 ABA set-up routinely pulled passenger trains on most major express routes at speeds up to 100 mph. Unfortunately, the drastic decline in passenger service during the 1960s led the railroads to abandon the streamlined beauties from the mid-century in favor of the more utilitarian general-purpose locomotives that dominated the railroad landscape for the next 20 years.

M.T.H. gives fans of the Atlantic Coast Line, Great Northern, Milwaukee Road, New York Central, and Richmond Frederick & Potomac railroads a chance to return to the glory days of U.S. passenger service. These beautiful streamlined ABA engines will look great pulling varnish on your layout.



F-3 ABA Diesel Set



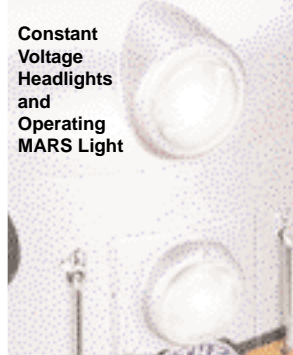
FACT
EMD's F-3 was a single-engine 1,500 horsepower diesel with a 16-cylinder 567B GM two-cycle prime mover.



Southern Pacific F-3 ABA Diesel Set
20-2306-1 Proto-Sound® 2.0 \$649.95



Burlington F-3 ABA Diesel Set
20-2307-1 Proto-Sound® 2.0 \$649.95



Constant Voltage Headlights and Operating MARS Light



Detailed ABS Body



Marker and Lit Number Boards

Features
• Metal Wheels and Axles • Die-Cast Truck Sides, Pilots and Fuel Tank • (2) Remotely Controlled Proto-Couplers® • Authentic Paint Scheme • All Metal Wheels and Gears • Illuminated Number Boards • Metal Body Side Grilles • Directionally Controlled Headlights • Intricately Detailed ABS Body • Metal Chassis • Metal Handrails and Decorative Horn • Lighted Marker Lights • Spinning Roof Fans • Operating MARS Light • (2) Operating Smoke Units • (2) Precision Flywheel Equipped Motors In Each A Unit • Lighted Cab Interiors • (2) Engineer Cab Figures In Each A Unit • Proto-Sound 2.0 With The Digital Command System Featuring Freight Yard Proto-Effects ■ O-31 Curves **Measures: 40 1/4" x 2 1/2" x 3 3/4"**

F-3 ABA Diesel Set

In the mid-1940s, General Motors' Electro-Motive Division had the difficult task of following their own wildly successful FT diesel locomotive, which had proved diesels could haul freight more profitably than steamers, changing U.S. railroad history. After the F-2 (produced for only five months), which helped EMD make the transition from war-time to peace-time production, EMD proved they had readjusted to a civilian economy by producing the F-3. They announced the 1,500 horsepower F-3 in the fall of 1946, after more than one year and 110,000 miles of testing on 21 roads. They billed it as "the widest range locomotive in history." This versatility was important in an environment where passenger traffic was falling and sometimes unpredictable. Although "F" had originally designated freight service, many of the F-3s (and other EMD F-series cabs) were equipped with steam generators that made them suitable for passenger service as well. EMD marketing emphasized this flexibility and the ease of maintenance of the standardized, mass-produced F-units.

Like EMD, M.T.H. follows up the success of the FTs in our last catalog with beautiful F-3 ABA sets. Available in the markings of the Burlington and Southern Pacific railroads, these engines will pull your freight consists with style.



F59PH Diesel Locomotive



FACT
The F59PH and PHI have a super-efficient 710G-series engine that allows a 12-cylinder power plant to replace the 16-cylinder version

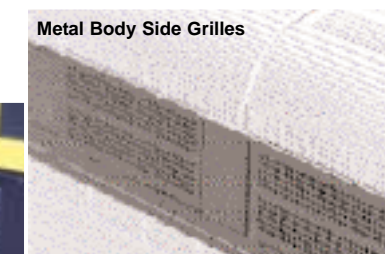


■ **Amtrak California Pacific F59PH Diesel**
20-2319-1 Proto-Sound® 2.0 \$379.95

Add a Amtrak 4-Car Passenger Sets
See Page 89



■ **Amtrak NorthWest F59PH Diesel**
20-2320-1 Proto-Sound® 2.0 \$379.95



Features
• Intricately Detailed ABS Bodies • Metal Wheels and Axles • (2) Remotely Controlled Proto-Couplers® • Die-Cast Truck Sides • Authentic Paint Scheme • Metal Chassis • (2) Precision Flywheel Equipped Motors • Lighted Cab Interiors • Illuminated Number Boards • All Metal Wheels and Gears • Metal Body Side Grilles • Directionally Controlled Headlight • Metal Handrails and Decorative Horn • Lighted Marker Lights • Spinning Roof Fans • Operating Smoke Unit • (2) Engineer Cab Figures • Proto-Sound 2.0 With The Digital Command System Featuring Passenger Station Proto-Effects ■ O-31 Curves **Measures: 15" x 2 1/2" x 3 1/2"**

F59PH Diesel Locomotive

Amtrak's F59PHI, which is the designation given to a F59PH with the streamlined fiberglass nose, roof panels, and fuel tank skirting added, presents a startling contrast, stylistically and mechanically, to the twenty-year-old F40PH it replaced. Similar in styling to Amtrak's bold Genesis series of diesels, the F59PH boasts 3,000 hp and vastly improved efficiency. With its low emissions output, economical dynamic braking, aerodynamic cab, and low maintenance requirements, the F59PHI is poised to transport Amtrak into the new millennium.

Greet the new age of increased efficiency with the F59PH at the head of your Amtrak fleet. With sleek good looks that recall the glory days when glamorous streamlined engines pulled crack passenger trains, this beautifully detailed engine will take you back to the future.

GP-40 Diesel Locomotive



FACT
EMD had tested the first 645 engines in the very limited run GP-39, but the engine was then rated at only 2,300 hp.



■ **Seaboard GP-40 Diesel**
20-2308-1 Proto-Sound® 2.0 \$369.95 **new!**



■ **Western Pacific GP-40 Diesel**
20-2309-1 Proto-Sound® 2.0 \$369.95 **new!**



■ **Chicago NorthWestern GP-40 Diesel**
20-2310-1 Proto-Sound® 2.0 \$369.95 **new!**



■ **Western Maryland GP-40 Diesel**
20-2311-1 Proto-Sound® 2.0 \$369.95 **new!**



- Features**
- Metal Wheels and Axles • Die-Cast Truck Sides, Pilots and Fuel Tank
 - (2) Remotely Controlled Proto-Couplers® • Authentic Paint Scheme
 - All Metal Wheels and Gears
 - Illuminated Number Boards • Metal Body Side Grilles • Directionally Controlled Headlights • Intricately Detailed ABS Body • Metal Chassis
 - Metal Handrails and Decorative Horn • Lighted Marker Lights
 - Spinning Roof Fans • Operating Smoke Unit • (2) Precision Flywheel Equipped Motors In Each A Unit
 - Lighted Cab Interiors • (2) Engineer Cab Figures • Proto-Sound 2.0 With The Digital Command System
 - Featuring Freight Yard Proto-Effects
 - O-31 Curves
- Measures: 14 3/4" x 2 1/2" x 3 3/4"**



GP-40 Diesel Locomotive

When EMD introduced the 3,000 hp GP-40 in 1965, they had essentially doubled the power of the first "Geep," the 1,500 hp GP-7 that was the builder's standard general-purpose road switcher until 1954. The GP-40 was the first of the Geeps to have a 645-series engine rather than the 567-series prime mover EMD had relied upon for years. The GP-40 represented a remarkable increase in power over a short time, but it was not trouble-free. The 3,000 hp was almost more than the engine could handle. With only four axles and the barely adequate wheel-slip control systems then available, the GP-40s had some adhesion problems. This was corrected with an improved electrical control system.

M.T.H. is pleased to introduce the GP-40 to our Premier line in the markings of the Chicago NorthWestern, Seaboard, Western Maryland, and Western Pacific railroads. This rugged and powerful road switcher is ready to serve your railroad without any of the adhesion problems that marked the prototype.

Available in Three Cab Numbers for Proto-Typical Multi-Head Operations



SD-80MAC & SD-90MAC Diesel Locomotive

FACT

GM had to adapt their dynamic brake resistors and fan especially for the AC engine. Because it gets a far heavier train moving, the SD-80MAC had to have much higher capacity dynamic braking



FACT

GM claims that one SD-90MAC can replace two SD40-2's in both heavy haul and high speed freight operations.



Norfolk Southern SD-80MAC Diesel

20-2300-1 Proto-Sound® 2.0 \$399.95



CSX SD-80MAC Diesel

20-2301-1 Proto-Sound® 2.0 \$399.95

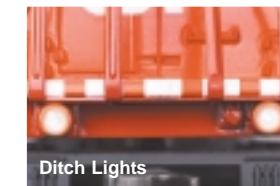


Canadian Pacific SD-90MAC Diesel

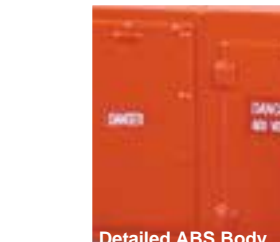
20-2299-1 Proto-Sound® 2.0 \$399.95

Features

• Metal Wheels and Axles • Die-Cast Truck Sides, Pilots and Fuel Tank • (2) Remotely Controlled Proto-Couplers® • Authentic Paint Scheme • (2) Precision Flywheel Equipped Motors • All Metal Wheels and Gears • Illuminated Number Boards • (2) Engineer Cab Figures • Metal Body Side Grilles • Directionally Controlled Headlights • Intricately Detailed ABS Body • Metal Chassis • Metal Handrails and Decorative Horn • Lighted Cab Interior • Spinning Roof Fans • Operating Ditch Lights • Operating Smoke Unit • Proto-Sound 2.0 With The Digital Command System Featuring Freight Yard Proto-Effects ■ O-42 Curves **Measures: 20" x 2 1/2" x 4"**



Ditch Lights



Detailed ABS Body



Die-Cast Truck Sides

SD-80MAC & SD-90MAC Diesel Locomotive

Serious efforts to use AC (alternating current) diesel-electric engines began when General Motors introduced its 4,000-hp SD-60MAC in 1991-92. While the AC power increases an engine's adhesion, allowing it to start far heavier trains than a DC-powered locomotive of the same horsepower, the heavier load prevents AC-powered engines from reaching track speed. To solve that problem, locomotive builders have raced to design and deliver AC engines with ever-larger horsepower. In 1995 GM introduced the 5,000-hp SD-80MAC, which uses a 20-cylinder version of EMD's 710-series prime mover to generate extra power. While they were impressed with GM's results, most railroads chose to wait for the 6,000-hp SD-90MAC, but Conrail took the plunge and placed a 30-unit order for the SD-80MACs. The railroads that opted to wait for the 6,000-hp SD-90MACs initially found themselves with less power when their -90s were delivered in 1996. GM opted to deliver the engines with 4,300-hp prime movers that were designed to be replaced with 6,000-hp engines when they became available. Now that they are operating at full power with a GM16V265H engine, the SD-90MACs offer 170,000 pounds of continuous and 200,000 pounds of starting tractive effort, as well as 115,000 pounds of dynamic braking effort.

Available in Three Cab Numbers for Proto-Typical Multi-Head Operations



M10000 Diesel Passenger Set

FACT

The M10000 was powered by a 600 hp spark-ignition distillate engine, rather than a true diesel.



Union Pacific M10000 Diesel Passenger Set
20-2298-1 Proto-Sound® 2.0 \$599.95

new!

All Metal Truck Sides, Wheels and Gears



Constant Voltage Headlight



Detail Grilles



Why a Distillate Engine, Anyway?

The V-12 cylinder, 600-hp Winton distillate engine used as the prime mover for the M10000 was designed to burn distillate fuel, which cost only about 3¢ a gallon instead of 15¢ a gallon per gasoline at the time. Although General Motors was experimenting with the first diesel engines for use on the railroads, UP did not think they had been tested sufficiently to order them for their new lightweight, high-speed streamliner. The distillate engine, on the other hand, had already proven its dependability in Santa Fe's M-190 power unit. UP officially decided to go with the distillate engine on May 24, 1933, less than one month before Burlington decided to go with the 201A diesel engine to power their new streamliner, the Pioneer Zephyr.

Features

- Directionally Controlled Headlight • Intricately Detailed ABS Bodies • Metal Wheels and Axles • Die-Cast Truck Sides and Pilot • Authentic Paint Scheme • (2) Precision Flywheel Equipped Motors • All Metal Wheels and Gears • Lighted Cab Interiors • (2) Engineer Cab Figures • Directionally Controlled Headlights • Proto-Sound 2.0 With The Digital Command System Featuring:- Passenger Station Proto-Effects
- O-72 Curves **Measures: 51" x 2 1/2" x 3 1/2"**

M10000 Diesel Passenger Set

Among the earliest of the 1930's streamliners, the Union Pacific M-10000's sleek good looks attracted huge crowds-including an inspection by President Roosevelt-

on its inaugural nationwide tour when it premiered in 1934. The 204 ft. long, three-car train was so well recognized and so distinctive in appearance that many passengers in the UP's territory referred to it simply as "The Streamliner," as though it were the final word on the design. UP employees responded to the engine's personality by nicknaming it "Little Zip."

Little Zip represented the peak of aerodynamic design of its time-indeed it still looks startlingly futuristic today. The M-10000 was made out of lightweight aluminum rather than the stainless steel used by the Burlington Zephyr and other early streamliners, and its cars were 8 inches narrower and the roofs 3 inches lower than conventional railroad cars, which helped to cut wind resistance. Its design and construction allowed it to go 90 mph on straight track, with a maximum speed of 110 mph in the best conditions, launching UP into the race for the lightest, fastest, and most efficient streamliners of the day.

DIESEL LOCOMOTIVES





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 or assemble a unit train, 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:

- Most Cars Are 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
- Most Cars Operate On O-31 Track
- 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

* some cars available with one car number only



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



* Chesapeake & Ohio, 2-Bay Offset Hopper
\$39.95 20-97416 ■ O-31 Curves



* Frisco, 2-Bay Offset Hopper
\$39.95 20-97415 ■ O-31 Curves



* Chesapeake & Ohio, 2-Bay Offset Hopper Car
\$39.95 20-90015C ■ O-31 Curves



Burlington, Coil Car
\$42.95 20-98262 ■ O-31 Curves



Chesapeake & Ohio, Coil Car
\$42.95 20-98263 ■ O-31 Curves



* CSX, Coil Car
\$42.95 20-90019C ■ O-31 Curves



Burlington, Rapid Discharge Car
\$42.95 20-98264 ■ O-31 Curves



Tropicana, Reefer Car
\$39.95 20-94019 ■ O-42 Curves



CP Rail, Snow Plow
\$59.95 20-98269 ■ O-31 Curves



Western Pacific, Rapid Discharge Car
\$42.95 20-98265 ■ O-31 Curves



Western Pacific, Reefer Car
\$39.95 20-94020 ■ O-42 Curves



Maine Central, Snow Plow
\$59.95 20-98270 ■ O-31 Curves



Canadian National, Flat Car with Bulkheads
\$42.95 20-98141 ■ O-31 Curves



Seaboard, Flat Car with Bulkheads
\$42.95 20-98143 ■ O-31 Curves



Trailer Train, Flat Car with Bulkheads
\$42.95 20-98140 ■ O-31 Curves



Canadian Forest, 55' All-Door Box Car
\$42.95 20-93067 ■ O-31 Curves



Masonite Corporation, 55' All-Door Box Car
\$42.95 20-93068 ■ O-31 Curves



Netherlands, 55' All-Door Box Car
\$42.95 20-93066 ■ O-31 Curves



*** BNSF, Flat Car with Trailers**
\$49.95 20-90010B ■ O-31 Curves



*** Chicago NorthWestern, Flat Car with Trailers**
\$49.95 20-90016C ■ O-31 Curves



*** Chesapeake & Ohio, Flat Car with Trailers**
\$49.95 20-90015B ■ O-31 Curves



*** BNSF, 50' Double Door Plugged Box Car**
\$42.95 20-90010A ■ O-31 Curves



Evans Leasing, 50' Double Door Plugged Box Car
\$42.95 20-93065 ■ O-31 Curves



Tropicana, 50' Double Door Plugged Box Car
\$42.95 20-93064 ■ O-31 Curves



Illinois Central, Flat Car with Trailers
\$49.95 20-98138 ■ O-31 Curves



Great Northern, Flat Car with Trailers
\$49.95 20-98139 ■ O-31 Curves



*** CSX, Flat Car with Trailer**
\$49.95 20-90019D ■ O-31 Curves



Chesapeake & Ohio, 50' Box Car
\$42.95 20-93063 ■ O-31 Curves



*** CSX, Double Door 50' Box Car**
\$42.95 20-90019A ■ O-31 Curves



*** Chesapeake & Ohio, Box Car**
\$39.95 20-90015A ■ O-31 Curves



CP Rail, Flat Car with Trailer
\$49.95 20-98142 ■ O-31 Curves



State of Maine, Flat Car with Trailer
\$49.95 20-98137 ■ O-31 Curves



Western Maryland, Flat Car with Trailer
\$49.95 20-98136 ■ O-31 Curves



*** Chicago NorthWestern, 50' Box Car**
\$42.95 20-90016E ■ O-31 Curves



Louisville & Nashville, 50' Box Car
\$42.95 20-93062 ■ O-31 Curves



*** Chicago NorthWestern, Steel Sided Stock Car**
\$39.95 20-90016A ■ O-31 Curves



Ralston Purina, Ps-2 Hopper Car
\$39.95 20-97115 ■ O-31 Curves



Milwaukee Road, Ps-2 High Sided Hopper Car **new!**
\$44.95 20-97112 ■ O-31 Curves



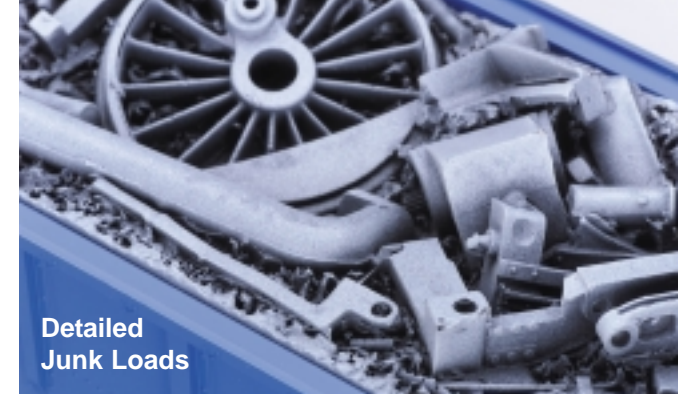
*** BNSF, 4-Bay Hopper Car**
\$39.95 20-90010C ■ O-31 Curves



*** Santa Fe, Crane Tender**
\$42.95 20-98239 ■ O-31 Curves



*** Chesapeake & Ohio, Gondola Car - Scale Length**
\$36.95 20-90015D ■ O-31 Curves



Detailed
Junk Loads



Southern Pacific, Ps-2 Hopper Car
\$39.95 20-97114 ■ O-31 Curves



Union Pacific, Ps-2 High Sided Hopper Car **new!**
\$44.95 20-97113 ■ O-31 Curves



*** Chicago NorthWestern, 4-Bay Hopper Car**
\$39.95 20-90016D ■ O-31 Curves



*** Santa Fe, Crane Car**
\$69.95 20-98237 ■ O-31 Curves



*** CSX, Gondola Car - Scale Length**
\$36.95 20-90019E ■ O-31 Curves



*** Seaboard, 50' Waffle Box Car**
\$42.95 20-93029 ■ O-31 Curves



*** BNSF, Ps-2 Hopper Car**
\$39.95 20-90010E ■ O-31 Curves



*** Burlington Northern, 20K Gallon 4-Compartment Tank Car**
\$44.95 20-96010 ■ O-42 Curves



*** CSX, 4-Bay Hopper Car**
\$39.95 20-90019B ■ O-31 Curves



*** Chicago NorthWestern, Crane Car**
\$69.95 20-98238 ■ O-31 Curves



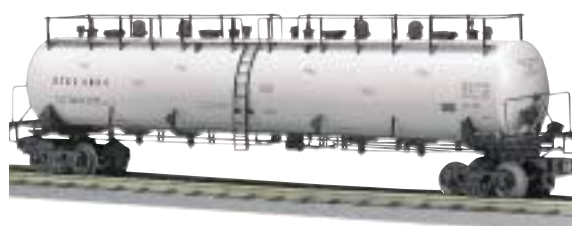
*** BNSF, Gondola Car - Scale Length**
\$36.95 20-90010D ■ O-31 Curves



*** Boston & Maine, 50' Waffle Box Car**
\$42.95 20-93028 ■ O-31 Curves



*** Chesapeake & Ohio, Ps-2 Hopper Car**
\$39.95 20-90015E ■ O-31 Curves



*** ETCX, 20K Gallon 4-Compartment Tank Car**
\$44.95 20-96011 ■ O-42 Curves



*** Chicago NorthWestern, 3-Bay Cylindrical Hopper**
\$42.95 20-90016B ■ O-31 Curves



*** Chicago NorthWestern, Crane Tender**
\$42.95 20-98240 ■ O-31 Curves



Car Doors Sliding Open?

To keep sliding freight car doors closed during operation, use a magic marker to color a toothpick to match the car, then lay the toothpick in the door track. It holds the doors shut just like a broom handle in the sliding glass door at home, and it's easy to remove whenever you want to open the doors.*

*Thanks to the people on OGR Forum for sharing this tip.





* **BNSF, Extended Vision Caboose**
\$54.95 20-90010F ■ O-31 Curves



CSX, Extended Vision Caboose
\$54.95 20-91061 ■ O-31 Curves



Canadian National, Steel Caboose
\$54.95 20-91054 ■ O-31 Curves



Southern Pacific, Steel Caboose
\$54.95 20-91053 ■ O-31 Curves



Boston & Maine, Steel Caboose - Center Cupola
\$54.95 20-91064 ■ O-31 Curves



Seaboard, Steel Caboose - Center Cupola
\$54.95 20-91059 ■ O-31 Curves



Burlington, Extended Vision Caboose
\$54.95 20-91063 ■ O-31 Curves



* **CSX, Extended Vision Caboose**
\$54.95 20-90019F ■ O-31 Curves



Chicago NorthWestern, Steel Caboose
\$54.95 20-91056 ■ O-31 Curves



* **Union Pacific, Steel Caboose**
\$54.95 20-91022 ■ O-31 Curves



Chesapeake & Ohio, Steel Caboose - Center Cupola
\$54.95 20-91057 ■ O-31 Curves



US War Bonds, Steel Caboose - Center Cupola
\$54.95 20-91066 ■ O-31 Curves



* **Burlington, Extended Vision Caboose**
\$54.95 20-91023 ■ O-31 Curves



* **Lehigh Valley, Extended Vision Caboose**
\$54.95 20-91020 ■ O-31 Curves



* **Chesapeake & Ohio, Steel Caboose**
\$54.95 20-90015F ■ O-31 Curves



Western Pacific, Steel Caboose
\$54.95 20-91055 ■ O-31 Curves



Maine Central, Steel Caboose - Center Cupola
\$54.95 20-91065 ■ O-31 Curves



Western Maryland, Steel Caboose - Center Cupola
\$54.95 20-91058 ■ O-31 Curves



CP Rail, Extended Vision Caboose
\$54.95 20-91060 ■ O-31 Curves



Norfolk Southern, Extended Vision Caboose
\$54.95 20-91062 ■ O-31 Curves



* **Norfolk & Western, Steel Caboose**
\$54.95 20-91027 ■ O-31 Curves



* **Chicago NorthWestern, Bay Window Caboose**
\$54.95 20-90016F ■ O-31 Curves



Rock Island, Steel Caboose - Center Cupola
\$54.95 20-91067 ■ O-31 Curves



M.T.H. operating freight cars help bring a layout to life.



Mathieson Dry Ice Co., Operating Reefer Car
\$129.95 20-94021 ■ O-31 Curves **new!**

INCLUDES PLATFORM



Santa Fe, Operating Reefer Car
\$129.95 20-94022 ■ O-31 Curves **new!**

When you activate the reefer, the door slides open, the worker inside pushes a load onto the adjacent ramp (included), and then slides the door closed again.



Smoke unit gives dry ice effect inside of reefer!



Comes equipped with 4 moveable loads.



CP Rail, Dump Car with Operating Bay
\$59.95 20-98271 ■ O-31 Curves **new!**



Union Pacific, Dump Car with Operating Bay
\$59.95 20-98272 ■ O-31 Curves **new!**



Dump Car Full



Operating Bay

M.T.H. Die-Cast Freight Cars



Western Maryland, O Scale Die-Cast Test Car
\$29.95 20-98267 ■ O-31 Curves



Union Pacific, O Scale Die-Cast Test Car
\$29.95 20-98268 ■ O-31 Curves



Canadian National, O Scale Die-Cast Test Car
\$29.95 20-98266 ■ O-31 Curves



Norfolk Southern, 4-Car Coke Hopper Car Set
\$159.95 20-97068 & 20-97069 ■ O-31 Curves



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



T.T.U.X., 5-Car Spline Car Set
\$199.95 20-95035 ■ O-54 Curves



CSX, 6-Car Coalporter Hopper Car Set
\$249.95 20-97070 & 20-97071 ■ O-31 Curves



Southern Pacific, 6-Car Flat Car Set
\$249.95 20-90040 ■ O-31 Curves

Each car has a different number for added realism and ease.





PREMIER STREAMLINED 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 and Amtrak Superliner cars will bring exactly the right, realistic look to your passenger service.

Features:

- Durable ABS Intricately Detailed Bodies
- Detailed Seat Interiors With Overhead Lighting
- Die-Cast 4- or 6-Wheel Trucks
- Operating Die-Cast Metal Couplers
- Colorful, Attractive Paint Schemes
- Separate Metal Handrails
- Fast-Angle Wheel Sets
- Needle-Point Axles
- Sliding Baggage Car Doors
- Undercarriage Detail
- 5-Car ABS Sets Are Made as Pictured
- 2-Car ABS Sets Feature 1 Sleeper and 1 Diner Car
- 2- and 4-Car Superliner Sets Feature All Coaches

■ O-42 Curves

Each Streamlined Car Measures Approximately:
19" x 2 1/2" x 3 3/8"

Each Superliner Car Measures Approximately:
19" x 2 1/2" x 4 1/4"

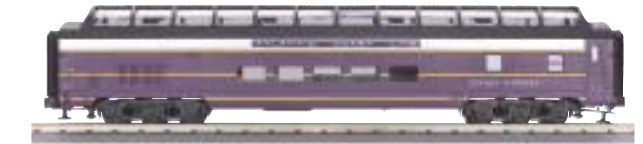


Atlantic Coast Line, 5-Car 70' ABS Passenger Set
- Smooth
\$299.95 20-20-6571

Perfect Complement For The Atlantic Coast Line E-8 Diesel Set - See Page 65



Atlantic Coast Line, 2-Car 70' ABS Sleeper/Diner Passenger Set
- Smooth
\$129.95 20-20-6671



Atlantic Coast Line, 70' ABS Full Length Vista Dome Passenger Car
- Smooth
\$69.95 20-6771



Canadian National, 5-Car 70' ABS Passenger Set
- Smooth
\$299.95 20-6574

Perfect Complement For The Canadian National 4-8-2 Steamer - See Page 55



Atlantic Coast Line, 2-Car 70' ABS Sleeper/Diner Passenger Set
- Smooth
\$129.95 20-6674



Atlantic Coast Line, 70' ABS Full Length Vista Dome Passenger Car
- Smooth
\$69.95 20-6774



Undercarriage Detail



Detailed Seat Interior with Overhead Lighting



Separate Metal Handrails



Die-Cast Trucks



Great Northern, 5-Car 70' ABS Passenger Set
- Smooth
\$299.95 20-6573

Perfect Complement For The Great Northern E-8 Diesel Set - See Page 65



Great Northern, 2-Car 70' ABS Sleeper/Diner Passenger Set
- Smooth
\$129.95 20-6673



Great Northern, 70' ABS Full Length Vista Dome Passenger Car
- Smooth
\$69.95 20-6773



Milwaukee Road, 5-Car 70' ABS Passenger Set
- Smooth
\$299.95 20-6572

Perfect Complement For The Milwaukee Road E-8 Diesel Set - See Page 65



Milwaukee Road, 2-Car 70' ABS Sleeper/Diner Passenger Set
- Smooth
\$129.95 20-6672



Milwaukee Road, 70' ABS Full Length Vista Dome Passenger Car
- Smooth
\$69.95 20-6772



New York Central, 5-Car 70' ABS Passenger Set
- Smooth
\$299.95 20-6576

Perfect Complement For The New York Central E-8 Diesel Set - See Page 65



New York Central, 2-Car 70' ABS Sleeper/Diner Passenger Set
- Smooth
\$129.95 20-6676



Richmond Frederick & Potomac, 5-Car 70' ABS Passenger Set
- Smooth
\$299.95 20-6577

Perfect Complement For The Richmond Frederick & Potomac E-8 Diesel Set - See Page 65



Richmond Frederick & Potomac, 2-Car 70' ABS Sleeper/Diner Passenger Set
- Smooth
\$129.95 20-6677



Richmond Frederick & Potomac, 70' ABS Full Length Vista Dome Passenger Car - Smooth
\$69.95 20-6777



Amtrak California, 4-Car Scale SuperLiner Set
\$299.95 20-6575

Perfect Complement For The Amtrak F59 Diesels - See Page 69



Amtrak California, 2-Car SuperLiner Coach Set
\$159.95 20-6675



Amtrak NorthWest, 4-Car Scale SuperLiner Set
\$299.95 20-6578

Perfect Complement For The Amtrak F59 Diesels
See Page 69



Amtrak NorthWest, 2-Car SuperLiner Coach Set
\$159.95 20-6678



RAILKING ONE-GAUGE

Introducing RailKing One-Gauge

by M.T.H. Electric Trains

Garden Railroad
Trains as Real as
the Great Outdoors



CONTENTS

92 RailKing One-Gauge Steam Locomotives

4-6-4 J-3a Hudson, 4-6-6-4 Challenger

96 RailKing One-Gauge Diesel Locomotive

Dash-8

With RailKing One-Gauge, M.T.H. is proud to offer our first entries into No. 1 Gauge, sometimes called G Gauge, Gauge 1, or Garden Trains, using 45 mm track. Unlike anyone else in the market, M.T.H. offers American standard gauge prototypes in detailed precision 1:32 scale.

M.T.H.'s RailKing One-Gauge trains are designed to work with existing equipment. The engines and cars run on any standard 2-rail 45 mm DC-powered track system. Most locomotives will negotiate the standard four-foot curve found with 45 mm track. We include two sets of couplers, a knuckle coupler and a hook & loop coupler, so your trains can be easily adapted to mate with other garden-sized train systems.

And RailKing One-Gauge brings exciting technology into the outdoor train market. We offer digital, CD-quality sound, including steam chuffing or diesel roar, squeaking brakes, and more. Our engines also feature puffing smoke in steam engines and speed control, which works like a cruise control system in a car to regulate speed over variable outdoor terrain.



PAGE 92 Steam Engines



PAGE 96 Diesel Engines



RailKing One-Gauge: Grow Fun in Your Garden!

**1:32 Scale! One-Gauge!
American Standard Gauge Prototypes!**

Features include:

- M.T.H. Premier-Level Quality and Detail
- Powerful Motors
- 1:32 Scale Proportions and Detail
- Metal Handrails
- Spinning Fans
- Constant Voltage Lighting
- Puffing Smoke
- Firebox Glow, Cab Figures, and Much, Much More.



**Built tough for years
of outdoor operation.**

4-6-4 J-3a Hudson Steam

FACT

The J-3a "Super Hudsons" out-performed the J1-class by 20%. In fact they were so super that their initial 275 lbs of steam pressure was so strong it bent rods, so pressure was reduced to 265 lbs.



New York Central 4-6-4 J-3a Hudson Steam

70-3001-1 Proto-Sound@ 2.0 \$799.95

new!



Constant Voltage Headlight



Operating Firebox Glow



Smoke Unit



4-6-4 J-3a Hudson Steam Locomotive

Perhaps no other railroad has ever been as closely associated with a locomotive as the New York Central is with the J-class Hudson. By the mid-1920s, it became clear that NYC needed an engine that could reliably pull heavier passenger trains than anything they had available. They charged their engineering department with designing a locomotive with greater starting effort and more horsepower at speed that was still within the weight and size limitations dictated by the railroad's existing bridges and clearances. The ALCO-built 4-6-4 Hudson that resulted was a resounding success, pulling both passenger and freight trains over NYC lines. The beautiful engine proved so popular with railfans, photographers, and the public at large that NYC used it to advertise their passenger service. In an era when passenger trains were luxurious ways to travel, the NYC Hudson was the class of the field.

It is M.T.H.'s pleasure to make this beautifully detailed 1:32 scale model of a NYC J-3a Hudson available to garden railroaders everywhere. The engine will look as stunning pulling your freight or crack passenger trains as the celebrated prototype did. It is available with the long list of features shown.

Features

- Long-lasting, Impact Resistant Polycarbonate Body • Precision, Flywheel-Equipped DC Can Motor • Operating Puffing Smoke Unit Synchronized To Locomotive Wheel Revolution • Constant Voltage Headlight, Marker Lights and Directionally Controlled Tender Back-Up Light • Intricate Boiler and Tender Details • Opening Boiler and Tender Hatches • Detailed Cab Interior With Engineer and • Fireman Figures • Cab Interior Light • Sliding Cab Windows • Operating Firebox Glow • Metal Handrails And Locomotive Bell • Interchangeable Hook & Loop and Operating Knuckle Coupler • Synchronized Digital Quality Steam Chuffing Sound Effects • Operating Squeaking Brakes Synchronized To Locomotive Speed • 1:32 Scale Proportions • Suitable For Indoor and Outdoor Use • Operates With Any DC Power Supply • Operates On Any Standard 45mm Track ■ Operates On R1 Diameter Curves (50.8" or 1290mm) **Measures: 39" x 4 1/8" x 5 1/2"**



4-6-6-4 Challenger Steam



FACT
The UP apparently expected to get the remaining six Challengers they had ordered after the war, but the U.S. government, who owned them, stored them in Salt Lake City until striking the deal that sold them to Clinchfield.



Union Pacific 4-6-6-4 Challenger Steam **new!**
70-3002-1 Proto-Sound® 2.0 \$999.95



Union Pacific 4-6-6-4 Challenger Steam **new!**
70-3003-1 Proto-Sound® 2.0 \$999.95



Clinchfield 4-6-6-4 Challenger Steam **new!**
70-3004-1 Proto-Sound® 2.0 \$999.95



Features

- Long-lasting, Impact Resistant Polycarbonate Body • (2) Precision, Flywheel-Equipped DC Can Motors • Operating Puffing Smoke Unit Synchronized To Locomotive Wheel Revolution • Constant Voltage Headlight, Marker Lights and Directionally Controlled Tender Back-Up Light • Intricate Boiler and Tender Details • Opening Boiler and Tender Hatches • Detailed Cab Interior With Engineer and Fireman Figures • Cab Interior Light • Sliding Cab Windows • Operating Firebox Glow • Metal Handrails And Locomotive Bell • Interchangeable Hook & Loop and Operating Knuckle Coupler • Synchronized Digital Quality Steam Chuffing Sound Effects • Operating Squeaking Brakes Synchronized To Locomotive Speed • 1:32 Scale Proportions • Suitable For Indoor and Outdoor Use • Operates With Any DC Power Supply • Operates On Any Standard 45mm Track ■ Operates On R3 Diameter Curves (97.9" or 2486mm) **Measures: 50" x 4 1/8" x 6"**

4-6-6-4 Challenger Steam Locomotive

In the midst of the Great Depression, Union Pacific designed and asked ALCO to build the best high-speed simple articulated engines to grace American rails. The 4-6-6-4 Challenger first appeared on UP rails in 1936, and it was clear from the beginning that it could handle tremendous tonnage at high speeds. Although the Challenger was designed for fast freight work, the UP also used it for passenger service; the engine proved it could easily handle any task it was given.

It was in a round-about way that Clinchfield took possession of their Challengers. Early in World War II, UP entered an order for several more Challengers. The War Production Board refused to let UP have the entire order and diverted six of the new Challengers on a lease program to the Rio Grande, which used the locomotives until the war's end. In 1947, eastern coal hauler the Clinchfield Railroad bought all six Challengers. They moved the Challengers east under their own power and put them to work pulling long coal trains. By 1953, though, steam locomotives were phased out and Clinchfield's Challengers were retired.



Dash-8 Diesel Locomotive

FACT

The microprocessor in the Dash-8 prototype recognizes if the engine is overheating while in a tunnel, as opposed to a malfunction on the open rails, and allows it to keep operating at full power for ten minutes, so the crew doesn't find itself stranded in a tunnel.



■ **Amtrak Dash-8 Diesel Engine (4-Wheel Truck)** **new!**

70-2001-1 Proto-Sound® 2.0 \$399.95



■ **Union Pacific Dash-8 Diesel Engine (6-Wheel Truck)** **new!**

70-2002-1 Proto-Sound® 2.0 \$399.95



■ **Norfolk Southern Dash-8 Diesel Engine (6-Wheel Truck)** **new!**

70-2003-1 Proto-Sound® 2.0 \$399.95



■ **CNW Dash-8 Diesel Engine (6-Wheel Truck)** **new!**

70-2004-1 Proto-Sound® 2.0 \$399.95



■ **Santa Fe Dash-8 Diesel Engine (6-Wheel Truck)** **new!**

70-2005-1 Proto-Sound® 2.0 \$399.95

■ **Santa Fe Dash-8 Diesel Engine (4-Wheel Truck)** **new!**

70-2006-1 Proto-Sound® 2.0 \$399.95



Features

- Long-lasting, Impact Resistant Polycarbonate Body
 - (2) Precision, Flywheel-Equipped DC Can Motors
 - Directionally Constant Voltage Headlights
 - Lighted Number Boards
 - Opening Locomotive Doors and Sliding Cab Windows
 - Detailed Cab Interior With Engineer and Fireman Figures
 - Cab Interior Light
 - Metal Handrails, Diesel Horn And Locomotive Bell
 - Operating Knuckle Coupler
 - Synchronized Digital Quality Diesel Roar Sound Effects
 - Operating Squeaking Brakes Synchronized To Locomotive Speed
 - 1:32 Scale Proportions
 - Operating Smoke Unit
 - Suitable For Indoor and Outdoor Use
 - Operates With Any DC Power Supply
 - Operates On Any Standard 45mm Track
 - Operates On R3 Diameter Curves (97.9" or 2486mm)
- Measures: 29" x 3 3/4" x 5 7/8"**

Dash-8 Diesel Locomotive

In the late 1980s, as General Electric and General Motors' Electro-Motive Division engaged in heated competition (that continues today) for marketshare in the high horsepower category, GE announced the Dash-8 class of diesel locomotives.

Although the first demonstrator version had only 3,200 hp, most of the Dash-8s had 4,000 hp when delivered. Because GE builds its diesel locomotives in five modules, it was able to customize its Dash-8s for each buyer to an unusual degree. Some railroads ordered their Dash-8s with the conventional narrow cabs, while other opted for the wider safety or comfort cabs. Some Dash-8s have 4-wheel trucks, and other have 6-wheel trucks. All this variety means that these diesels, which were designed for fast freight duty, are also well suited for Amtrak's passenger service. Despite many differences, all Dash-8s share microprocessor control. The microprocessor, a small computer, regulates rpm, fuel injection volume, generator excitation, and many other operational features to make the engines run more efficiently than any diesel ever had before them.

Available in Three Cab Numbers for Proto-Typical Multi-Head Operations



INDOOR
ONE-GAUGE TRAINS
1/32
OUTDOOR

Detailed Body and Authentic Paint Scheme



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 prefer the artistry of Tinplate with the quality of modern manufacturing at a fraction of mint condition original pricing.

100 Tinplate Traditions Steam Locomotives

400AE Articulated

102 Tinplate Traditions Electric Locomotive and Passenger Sets

3245 Olympian Electric Engine Passenger Set

104 Tinplate Traditions Passenger Cars

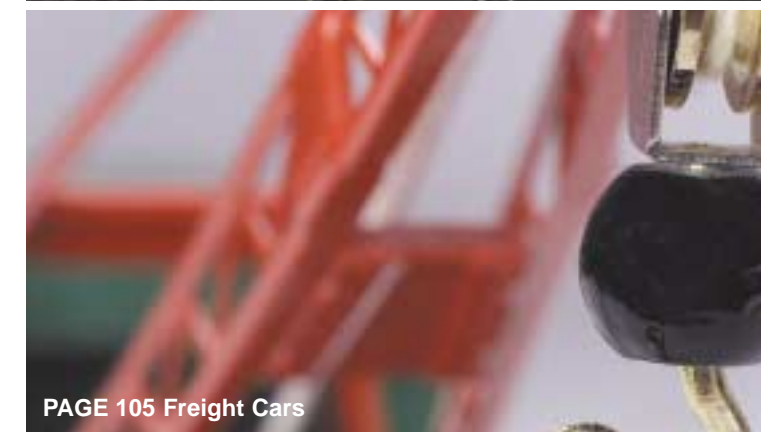
105 Tinplate Traditions Freight Cars



PAGE 100 Steam Engines



PAGE 102 Electric Engine Passenger Set



PAGE 105 Freight Cars

400AE Articulated Tinplate Steam Locomotive

FACT
*Tinplate engines feature metal latch couplers like the originals to maintain the proper appearance.



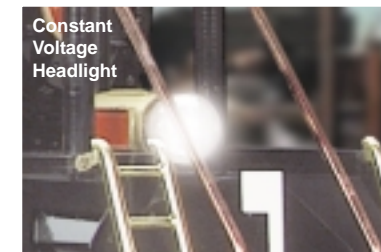
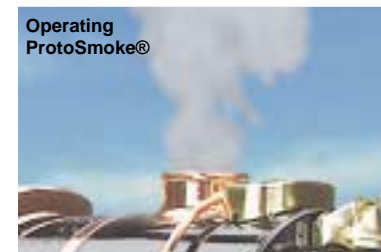
■ **Black with Nickel Trim 400AE Articulated Tinplate Steam**
10-1165-1 Contemporary \$999.95

new!



■ **Black with Brass Trim 400AE Articulated Tinplate Steam**
10-1166-1 Contemporary \$999.95

new!



400AE Articulated Tinplate Steam Locomotive

M.T.H. hand-crafted the original sample for the 400AE Articulated steamer based on a photograph of a custom-designed engine. The 400E is one of the most popular of all tinplate engines, and we consider this articulated version a "should have been" engine. The original non-articulated 400E pulled either freight or passenger cars, and this beauty can do so as well. In eye-catching shiny black enamel paint with either brass or nickel trim, this engine will beautifully head up a consist of M.T.H.'s attractive freight or passenger cars. M.T.H. has equipped this contemporary engine with freight yard Proto-Effects™ and it comes equipped with the full complement of M.T.H. DCS technology*.

If you prefer to run passenger cars, you can use the new DCS Remote Control System to download a passenger engine sound package from the website.

Features

- Metal Chassis • Baked Enamel Finish • Nickel or Brass Trim • Metal Wheels and Axles • Operating Metal Latch Couplers • Constant Voltage Headlight • Precision Flywheel Equipped Motor • Metal Handrails and Decorative Bell • Decorative Metal Whistle • Operating ProtoSmoke® System • Proto-Sound 2.0 With The Digital Command System Featuring Freight Yard Proto-Effects
- **Measures: 37" x 5 5/8" x 4 1/2"**

3245 Olympian Electric Engine Passenger Set



new!



new!

■ Milwaukee Road, 3245 Olympian Electric Engine Passenger Set

10-1164-0	Traditional	\$1795.00
10-1164-1	Contemporary	\$1795.00

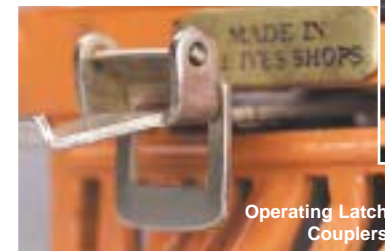
Stamped Steel Body



Baked Enamel Finish



Operating Latch Couplers



Features

- Stamped Steel Body and Die-Cast Chassis • Baked Enamel Finish • Operating Metal Latch Couplers • Metal Wheels and Axles • All Metal Wheels and Gears • Choose Traditional or Contemporary Version with Proto-Sound 2.0 With The Digital Command System Featuring Passenger Station Proto-Effects

■ Locomotive Measures: 20" x 3 7/8" x 5 1/4"

3245 Olympian Electric Engine Passenger Set

In 1928-30, the Ives Company made a distinctive Standard Gauge 3245 electric engine. The "St. Paul Type" engine came with two different engine body styles. The original 1928 version used the 13-1/2"-long 3237 body on a low-riding three-part chassis designed to match new cars. M.T.H. models the 1930 long-body

"Olympian" version, with an 18" black cab mounted on an orange three-part chassis similar to the one used for the original short version. Unlike the 1929 long-body 3245 engine, the 1930 version has brass trim. The 4-4-4 electric engine was originally available in manual reverse and automatic-sequence-reverse versions. Tinplate's signature shiny enamel finish handsomely covers the center-cab unit and its long, rounded hoods, making for a beautiful engine.

The matching passenger cars, of stamped steel painted in beautiful black and orange baked enamel, work with the 3245 engine to comprise a distinguished Olympian set that will add a touch of class to any Standard Gauge layout.

Tinplate Passenger Cars

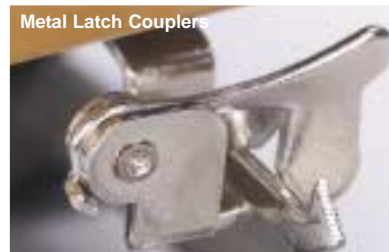
It is hard to beat the beauty and nostalgia of a tinplate passenger train humming along the rails. The State Cars are among the most popular and intricately detailed tinplate cars of all time, and M.T.H. is proud to make these cars available with the names of new states never before available. M.T.H. has selected New Jersey, Michigan, and Pennsylvania, all states where model railroading has a rich history and thrives today, for our new State Cars.

Boasting all the detail of the originals, from multiple layered window treatments and rotating seats to lavatories, these new State Cars are the perfect addition to the sets M.T.H. has produced in the past.

Features:

- Brightly Painted Stamped Metal Bodies
- Metal Latch Couplers
- Operating Interior Lights
- Detailed Seat Interiors
- Metal Wheels & Axles

Each Car Measures: 21" x 7" x 4"



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.

M.T.H. is pleased to introduce an entirely new tinplate silhouette in this catalog. The handsome 200- and 500-series work cabooses we offer are special M.T.H. creations, in the spirit of the classic tinplate freight cars. We think they will add beautiful variety to any tinplate layout.

Features:

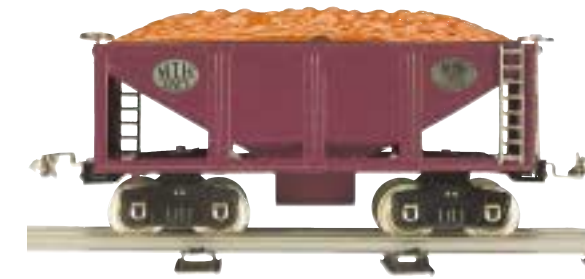
- Stamped Metal Construction
- Brightly Painted Baked Enamel Finish
- Metal Wheels and Axles
- Latch Metal Couplers

200 Series Cars Measures:

13 7/16" x 3 3/8" x 4 5/8"

500 Series Cars Measures:

11 9/16" x 3 5/16" x 4 1/16"



■ Maroon with Brass Trim,
500 Series Std. Gauge Ore Car
10-1145 \$99.95



■ Dark Green and Red with Nickel Trim,
500 Series Std. Gauge Crane Car
10-2006 \$189.95



■ Two-Tone Blue with Brass Trim,
500 Series Std. Gauge Crane Car
10-2007 \$189.95



■ Dark Red and Orange with Brass Trim,
200 Series Std. Gauge Work Caboose
10-2003 \$139.95



■ Apple Green and Cream with Nickel Trim,
200 Series Std. Gauge Work Caboose
10-2002 \$139.95



■ Black and Red with Nickel Trim,
500 Series Std. Gauge Work Caboose
10-2004 \$129.95



■ Dark Green and Peacock with Brass Trim,
500 Series Std. Gauge Work Caboose
10-2005 \$129.95

new!

new!

new!

new!

new!

new!

Take Control of Your Railroad



Z-4000 Remote Control System
 1 Remote Handheld
 1 Remote Receiver
 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. Control up to three Z-4000 transformers and six loops of track.

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

RailKing Remote Control System
 1 Remote Handheld
 1 Remote Lock-on
 Item No. 50-1012 \$59.95

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: RailKing Remote Control and Remote Lock-on.
Range: Approximately 15 feet.



DCS Remote Control System
 1 Remote Handheld
 1 Track Interface Unit (TIU)
 Item No. 50-1001 \$199.95

Digital Command System (DCS) Remote Control System

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



RailKing Remote Lock-On
 Item No. 50-1013 \$29.95



RailKing Remote Control
 Item No. 50-1011 \$39.95



Z-4000 Remote Control Handheld
 Item No. 40-4003 \$39.95



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



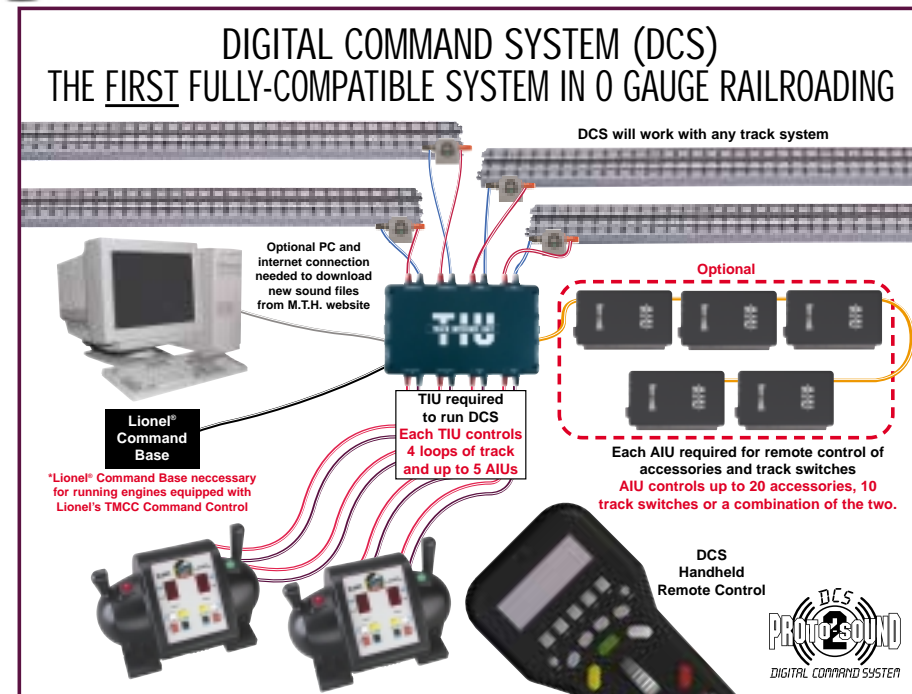
DCS Remote Control
 Item No. 50-1002 \$129.95



DCS Track Interface Unit (TIU)
 Item No. 50-1003 \$99.95



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



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

RailKing Controller Set (no power pack) transformer controller, RealTrax lock-on and RealTrax wire harness
 Item No. 40-750C \$39.95



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



Proto-Sound 2.0

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

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 along side of, virtually 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.

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.

Conventional vs. 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 loco-

motive 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.

For more information
on Proto-Sound 2.0,

GO TO
protosound2.com

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 or 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 (as available by model)

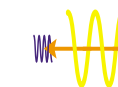


Proto-Sound 2.0 Digital Command System (DCS) Features

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 And Switches - Requires No Modification To Track or Switches (Requires AIU)
- Change Locomotives With Downloadable Sound Sets
- Proto-Cast (which requires separate audio source)
- 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-Doppler™ puts the *woooOOOosh!* 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.

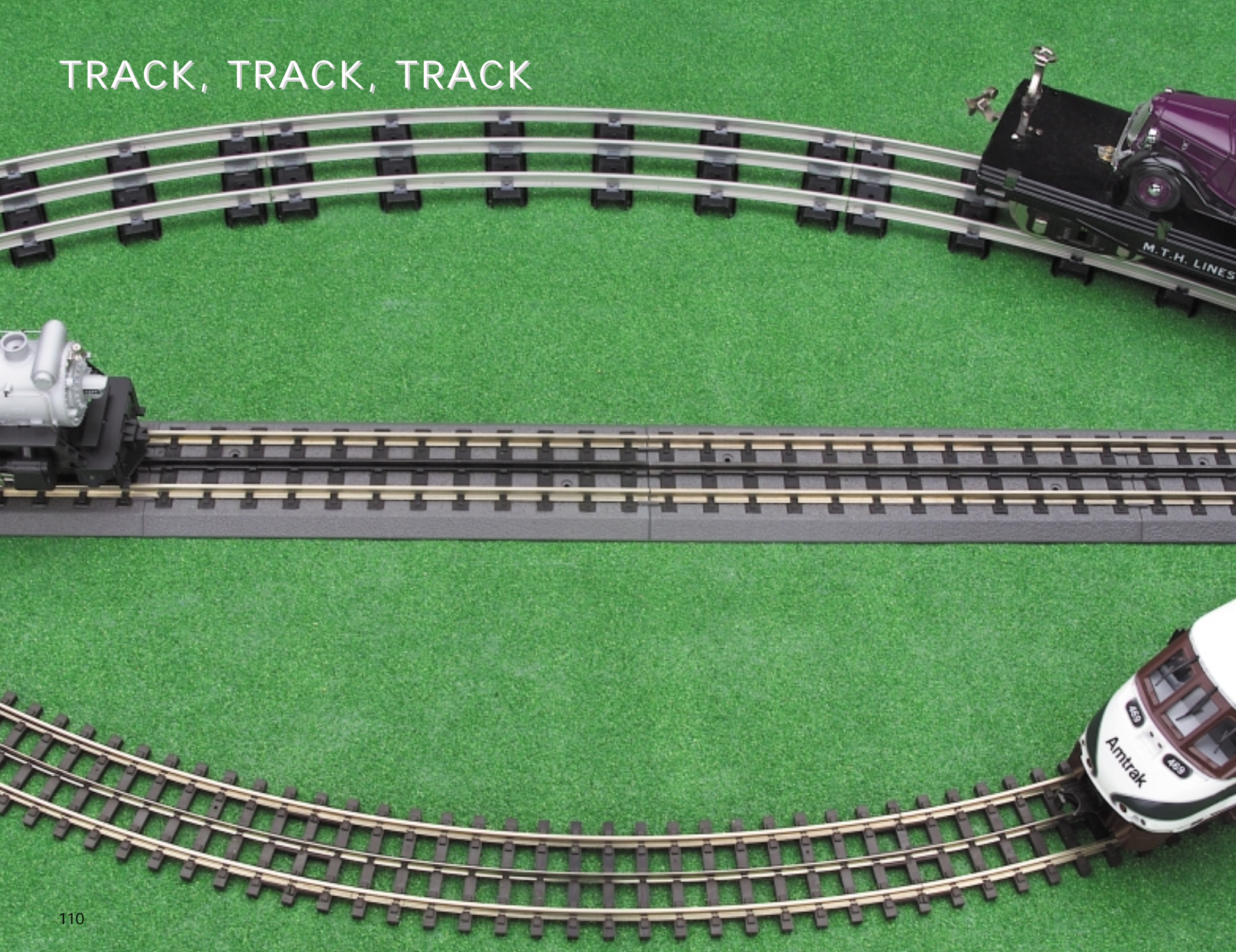


Proto-Cast™ lets you broadcast an audio recording through the locomotive's speaker. It is available with Proto-Sound 2.0 when it is used with the DCS Remote Control System and an audio source (portable CD or tape player) you provide and with Loco-Sound when used with the RailKing Remote Control System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



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.

TRACK, TRACK, TRACK



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.

112 RealTrax®

116 Scaletrax™

119 Tinplate Standard Gauge Track

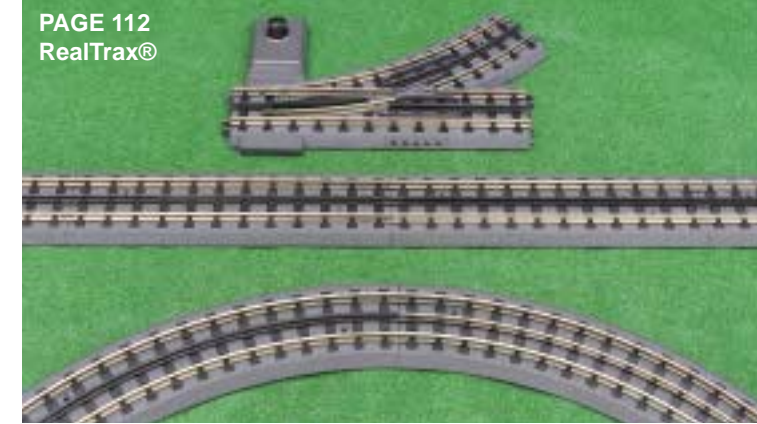
The Romans in America

If you've ever wondered why American standard gauge track measures 4 feet 8.5 inches between the rails, there's an interesting (though perhaps apocryphal) story that may explain it.

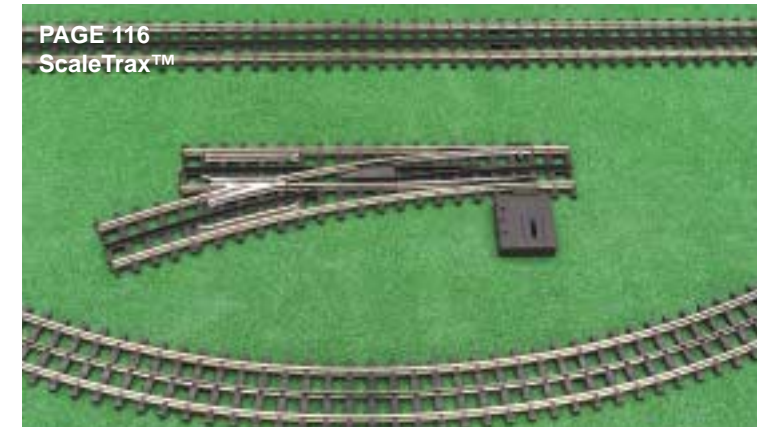
In the early centuries of the first Millennium A.D., Roman war chariots carved rutted roads out of the English landscape. These ruts were 4 feet 8.5 inches apart, just wide enough to accommodate the two war horses that pulled each chariot. Later English wagons were built the same width, so they could use the rutted long distance roads made by the Romans. When the first English tram systems were built, the builders made the rails 4 feet 8 inches apart, so they could use the same jigs and tools they used to make wagon bodies. When the English railroads were built, they used the same gauge that the tramways had. American railroads were designed and built largely by English ex-patriots, and they used the same gauge that was used in England.

So the reason American standard gauge track is 4 feet 8.5 inches between the rails is because it's just wide enough to accommodate two Roman war horses. The more things change, the more they stay the same!

PAGE 112
RealTrax®



PAGE 116
ScaleTrax™



PAGE 119
Tinplate Standard Gauge Track



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

Create a RealTrax® Circle

It takes 8 O-31 curves to make a circle.
 It takes 12 O-42 curves to make a circle.
 It takes 12 O-54 curves to make a circle.
 It takes 16 O-72 curves to make a circle.



O-42 Half Curved Track Section
 Item No. 40-1045 \$3.99
O-54 Half Curved Track Section
 Item No. 40-1057 \$4.99



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 \$3.99
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



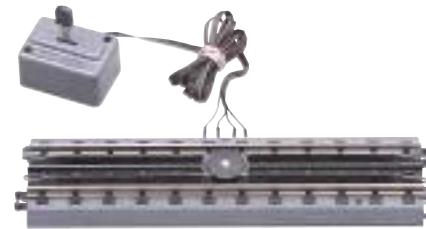
5" Track Section
 Item No. 40-1016 \$3.50



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



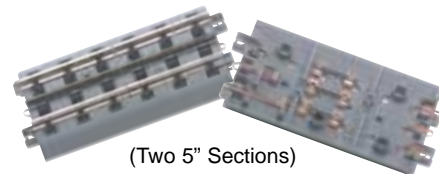
10" Straight Track Section
 Item No. 40-1001 \$3.50



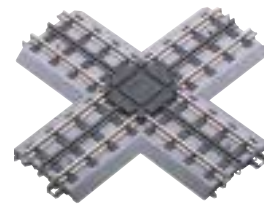
Operating Track Section
 Item No. 40-1008 \$29.95



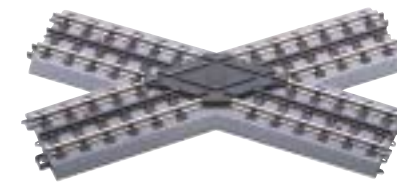
Adapter Track Section
 Item No. 40-1011 \$7.99



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

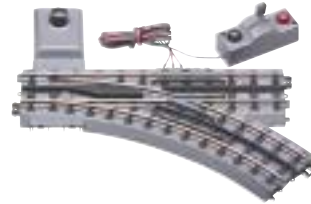


90° Crossover Track
 Item No. 40-1006 \$19.95

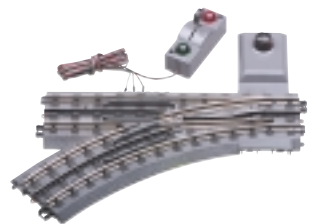


45° Crossover Track
 Item No. 40-1007 \$19.95

Reliable coils ensure consistent operation.



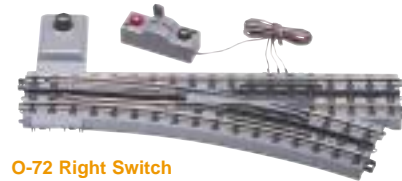
O-31 Right Switch
 Item No. 40-1004 \$49.95



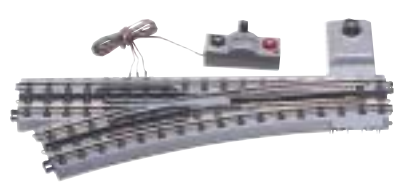
O-31 Left Switch
 Item No. 40-1005 \$49.95

(NOT SHOWN)

O-42 Right Switch
 Item No. 40-1043 \$59.95
O-42 Left Switch
 Item No. 40-1044 \$59.95
O-54 Right Switch
 Item No. 40-1055 \$59.95
O-54 Left Switch
 Item No. 40-1056 \$59.95



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



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



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

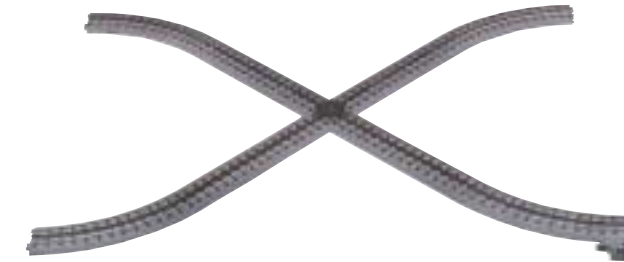


Figure 8 Layout Builder
 Item No. 40-1025 \$49.95

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

Layout Builder 8 Piece
 Item No. 40-1023 \$29.95 (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 & White)
 Item No. 30-9020 \$199.95



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



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



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.

ITAD Features:

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



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



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



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

O Steel Arch Bridge
ABS Construction, 30" in length, Additional girder sections 10" in length (sold separately)
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

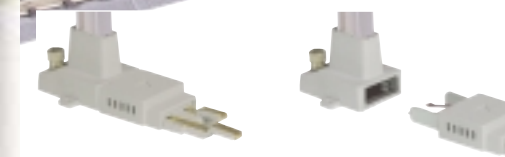
RealTrax® Catenary System

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 position the authentic-looking catenary poles and wires per your layout's requirements, and enjoy the realism of a fully functional easy-to-use catenary system.



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

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



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

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 safely add verticality to your RealTrax layout with stability, quality and reliability.

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.

Features:

- Multiple Sized Pier Sections
- RealTrax® Slides In Place
- Durable ABS Construction
- Rises 6 1/2 Inches High
- 4.7% Grade
- Simple, Snap Together Assembly
- Compatible with O-Gauge Tubular Track



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

8 Piece Elevated Trestle System
ABS Construction
Item No. 40-1034 \$19.95

ScaleTrax Brings Hi-Railing Down to Earth

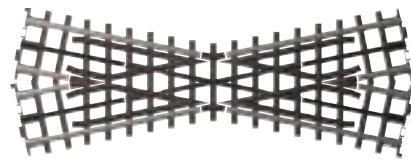
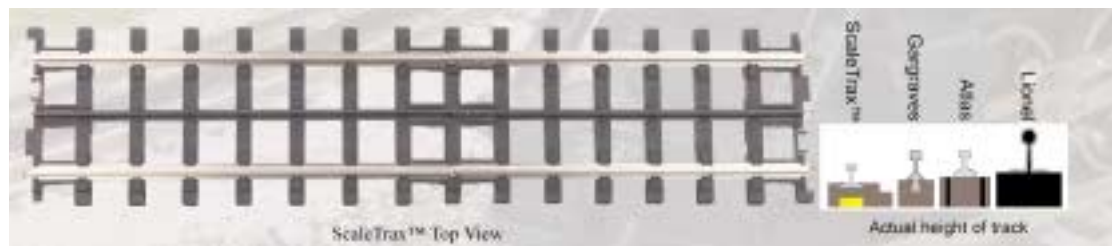
ScaleTrax™ by M.T.H. is the ultimate track layout solution for Hi-railers and other detail-oriented 3-rail model railroaders who like to keep a permanent layout. No longer will an O Gauge modeler have to accept the tubular track look, because the ScaleTrax low profile offers maximum accuracy and the 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.

Features:

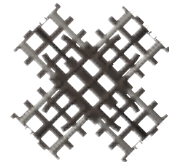
- Solid Nickel-Silver Rails
- Low Profile Appearance With "Near Scale" Proportions
- Molded-In Track Section Connections For Easy Assembly

Create a ScaleTrax™ Circle

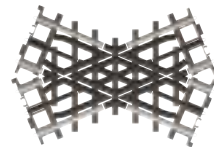
- It takes 8 O-31 curves to make a circle.
- It takes 16 O-54 curves to make a circle.
- It takes 16 O-72 curves to make a circle.
- It takes 16 O-80 curves to make a circle.



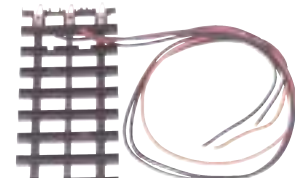
ScaleTrax™ 22.5° Crossing
Item No. 45-1015 \$19.95



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



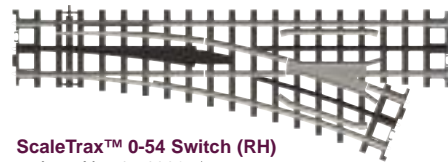
ScaleTrax™ 45° Crossing
Item No. 45-1006 \$19.95



Each FlexTrack Section requires 1 lock-on.
ScaleTrax™ Lock-On
(track not included)
Item No. 45-1033 \$3.99



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)
Item No. 45-1050 \$59.95

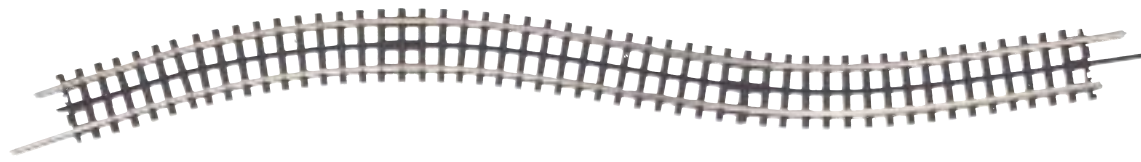


ScaleTrax™ No. 6 Switch (RH)
Item No. 45-1053 \$69.95
ScaleTrax™ No. 6 Switch (LH)
Item No. 45-1052 \$69.95

(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™ Bumper
Item No. 45-1025 \$15.95



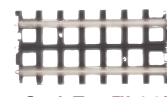
ScaleTrax™ 30" Flex Track Section
Requires (4) lock-ons when attaching to non-FlexTrack sections
and (2) lock-ons when attaching to FlexTrack sections
Item No. 45-1049 \$9.95



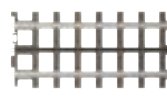
ScaleTrax™ 30" Straight Track Section
Item No. 45-1019 \$9.95



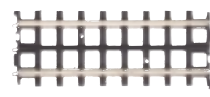
ScaleTrax™ 1.75" Straight Track Section
Item No. 45-1011 \$2.49



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



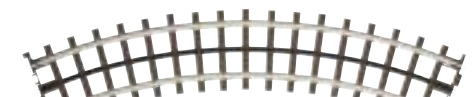
ScaleTrax™ 15" Uncoupling Track Section
Item No. 45-1035 \$19.95



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



O Scale ITAD Signal Box
Item No. 45-1028 \$29.95



Hand, Flag and Lamp Signals

<p>STOP— SWUNG ACROSS THE TRACK.</p>		<p>TRAIN HAS PARTED— SWUNG VERTICALLY IN A CIRCLE AT ARM'S LENGTH ACROSS THE TRACK, WHEN THE TRAIN IS RUNNING.</p>
<p>REDUCE SPEED— SWUNG HORIZONTALLY AT ARM'S LENGTH, WHEN THE TRAIN IS MOVING.</p>		<p>APPLY AIR BRAKES— SWUNG HORIZONTALLY ABOVE THE HEAD, WHEN THE TRAIN IS STANDING.</p>
<p>PROCEED— RAISED AND LOWERED VERTICALLY.</p>		<p>RELEASE AIR BRAKES— HELD AT ARM'S LENGTH ABOVE THE HEAD, WHEN THE TRAIN IS STANDING.</p>
<p>BACK— SWUNG VERTICALLY IN A CIRCLE AT HALF ARM'S LENGTH ACROSS THE TRACK, WHEN THE TRAIN IS STANDING.</p>		<p>ANY OBJECT WAVED VIOLENTLY BY ANYONE ON OR NEAR THE TRACK IS A SIGNAL TO STOP.</p>

Lowest Profile , most realistic 3-rail track in O Gauge!

SCALETRAX™ LAYOUT CONTEST!

BY M.T.H. ELECTRIC TRAINS

Build the winning ScaleTrax layout between now and November 1, 2001, and you will be on your way to Alaska, for a breathtaking 9-day, 8-night trip featuring the 7-day Alaska by Daylight tour on the Alaska Railroad.

Travel in dome-car elegance through eye-popping scenery! See amazing glaciers, historic Gold Rush boomtowns, incredible wildlife in Denali National Park, and the biggest mountains in North America!

Grand Prize

M.T.H. will provide the winner and a guest with airfare to Anchorage, tickets for the train tour, and meal money.

The winner will also receive an M.T.H. Alaska Railroad SD70M Boxed Set with 4 full dome cars to remind him or her of the trip.

M.T.H. will feature the winning layout and builder on our web site (www.mthtrains.com), in a future issue of *The CrossingGate*, the bi-monthly newsletter of the M.T.H. Railroaders Club, and in the 2002 M.T.H. Catalog.

2nd Prize

M.T.H. Premier Chesapeake & Ohio M-1 Steam Turbine Locomotive



\$999.95 Value!

3rd Prize

M.T.H. Z-4000 transformer packing 400 watts of power



\$399.95 Value!



See the countertop display in your local Authorized M.T.H. dealership for complete Contest Rules and Entry Forms!

- No entry fee or proof of purchase required.
- Contest is subject to complete official rules.
- To enter the Scale Trax Layout contest submit an entry form, required photos and a plan of your ScaleTrax layout and a 200-word description of your railroad's operations and goals by mail or electronically.

To obtain an entry form and a copy of the complete rules send a SASE to: ScaleTrax Contest Rules, M.T.H. Electric Trains, 7020 Columbia Gateway Drive, Columbia MD 21046-1532 or go to our website at www.mthtrains.com. You can also visit participating authorized M.T.H. Electric Trains retail locations.

- Mail entries must be postmarked by November, 2001 and received by November 15, 2001.
- Electronic entries must be submitted by 1:59:59 p.m. Eastern time November 1, 2001.
- Open to Legal U.S. and Canadian residents except Quebec who are 18 years of age or older.
- Void where prohibited.
- Entries will be judged on realistic operation, action, craftsmanship and finish of final layout, and its fulfillment of the goals stated in your 200-word description. See rules for complete judging criteria and entry specifications.

TINPLATE TRADITIONS®

By M.T.H. Electric Trains®



Standard Gauge Track Regular Straight Section
Item No. 10-1038 \$3.99



Standard Gauge Track Regular Curved Section
Item No. 10-1039 \$3.99



Standard Gauge Track Straight with Wide Ties
Item No. 10-1040 \$4.49



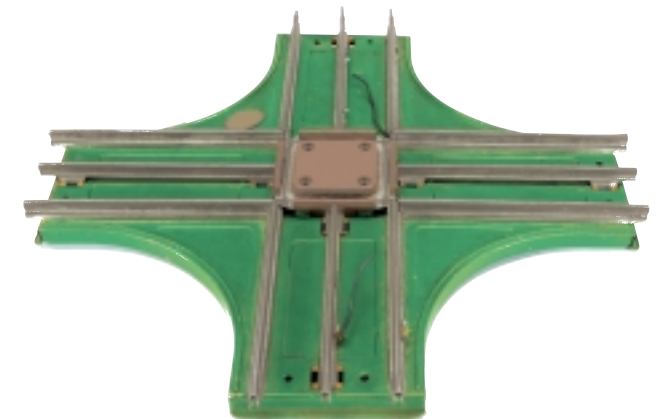
Standard Gauge Track with Wide Radius Curve
Item No. 10-1041 \$4.49

Create a Tinplate Standard Gauge Circle
It takes 8 STD-42 curves to make a circle
It takes 12 STD-72 curves to make a circle

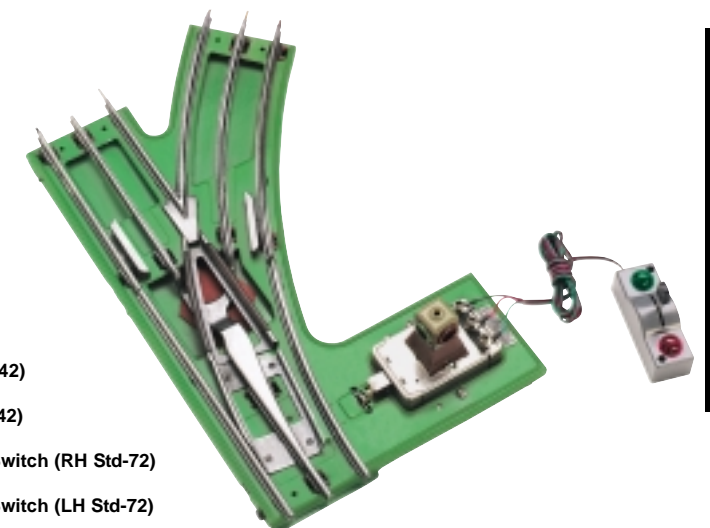
Standard Gauge railroaders can find the classic look and feel of tinplate track and switches only at M.T.H. Thanks to our smooth operating mechanisms, our tinplate switches are sure to work far better than expensive and hard-to-find originals, while maintaining the integrity of the pre-war appearance.



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



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.

122 **RailKing Accessories**

128 **RailTown Buildings**

131 **Premier Accessories**

132 **Tinplate Accessories**

Quick and Easy Road Construction

For a quick and economical road or highway on a layout, buy a four-inch wide strip of textured black Safety Walk® by 3M® at your local home supply or hardware store. Simply peel off the sticky back and affix the strip to the board your layout is on. The four-inch width is great for two-lane O Scale highways, and it can be bought by the foot, letting you buy the perfect amount for your own layout's roads. You can paint some lines on it if you're modeling an urban area or leave it as plain "blacktop" for a country road. Safety Walk is also available in gray, for those of you who want to make easy gravel roads for your country scenes



Accessory Key

- = Miscellaneous Accessories
- = Traditional Accessories
- = O Scale Accessories

PAGE 122
RailKing Accessories



PAGE 128
RailTown™ Buildings



PAGE 132
Tinplate Accessories



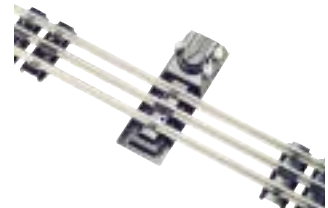
RailKing Accessories

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 \$29.95



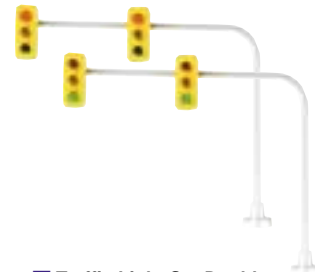
Intricately Detailed Durable ABS Body. Open the Door and see the Lit Interior.



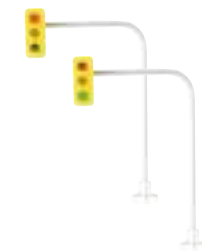
Bag of Coal
Item No. 30-50005 \$3.49



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



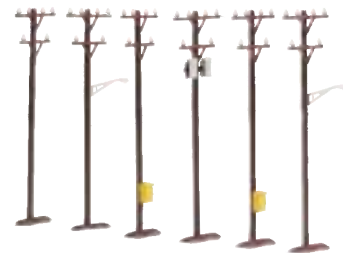
Traffic Light Set-Double
2 Lamps 5" Tall
Item No. 30-1089-2 \$24.95



Traffic Light Set-Single
2 Lamps 5" Tall
Item No. 30-1089-1 \$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

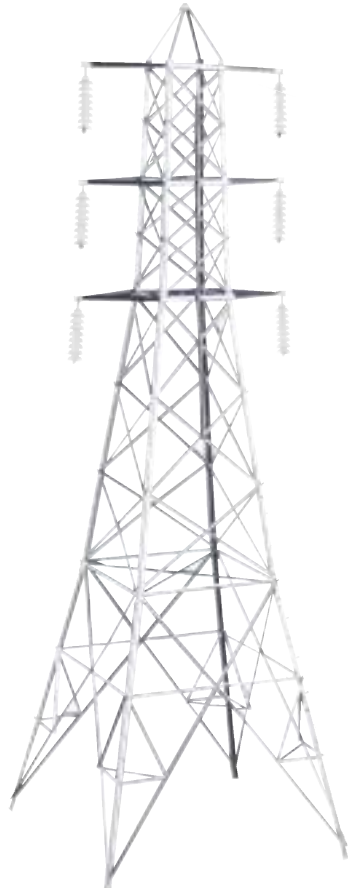


Greyhound Die-Cast Bus
Item No. 30-50009 \$29.95

new!



O Scale Water Column
4" Tall
Item No. 30-11007 \$29.95



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



O Scale Operating Block Signal
8" Tall
Item No. 30-11005 \$29.95



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



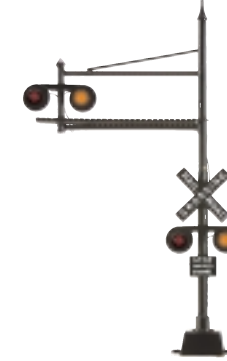
O Scale 1 Over 1 Signal
7" Tall
Item No. 30-11025 \$49.95



O Scale 3 Position Semaphore
7" Tall
Item No. 30-11023 \$39.95



O Scale Operating Crossing Flashers with Sound
5 1/2" x 2 1/2" x 1"
Item No. 30-11014 \$49.95



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



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



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



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



O Scale Modern Dwarf Signal
Item No. 30-11038 \$24.95



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



O Scale Operating Crossing Gate Signal Set
8 1/2" x 2" x 8"
Item No. 30-11012 \$59.95



O Scale 2-Head Target Signal
Item No. 30-11035 \$49.95



O Scale Vertical Signal
Item No. 30-11036 \$39.95



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

ALL SIGNALS AND FLASHERS OPERATES REALISTICALLY

Die-Cast Metal Construction

RAILKING ACCESSORIES



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



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



I-Beam 8 Piece Set
Item No. 30-50007 \$12.95



8-Piece Log Set
Item No. 30-50008 \$19.95



O Scale 120 Piece Figure Set
Item No. 30-11043 \$29.95



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



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

Additional Lamps for the
Signal Bridge 30-11030



O Scale Position Light Signal Lamps
Item No. 30-11030A \$9.95



Fuel/Water Column Set
Item No. 30-11037 \$29.95



Sanding Tower
Item No. 30-11040 \$29.95



O Scale Flood Light Tower Set
Item No. 30-11039 \$59.95



Fence Set
16" x 13"
Item No. 30-50002 \$9.95



O Scale Pedestrian Crosswalk
Item No. 30-9053 \$49.95



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



O Scale 120 Piece Figure Set
Item No. 30-11043 \$29.95



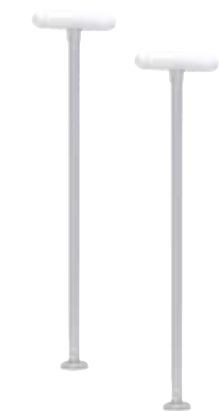
O Scale 12 Piece Figure Set #2
3 Women Sitting, 1 Women Standing, 3 Men Sitting, 2 Men Standing,
2 Children Sitting, 1 Child Standing
Item No. 30-11029 \$19.95



O Lamp Triple Park Light Set
Item No. 30-11034 \$39.95



O Lamp Street Gooseneck Light Set
Item No. 30-11032 \$24.95



O Lamp Platform Light Set
Item No. 30-11031 \$29.95



O Lamp Street Gas Light Set
Item No. 30-11033 \$24.95



O Lamp Set (Hexagonal) 4" Tall
Item No. 30-1062 \$19.95



O Lamp Set (Round) 4" Tall
Item No. 30-1078 \$19.95



O Lamp Set (Square) 4" Tall
Item No. 30-1079 \$19.95



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



Operating Street Clock
9 1/8" Tall (Maroon)
Item No. 30-11041 \$29.95



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



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



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



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



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



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



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



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



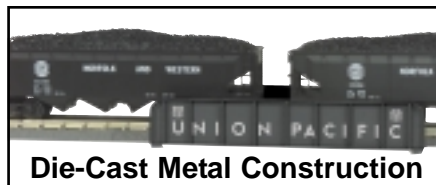
#580-2 Teardrop Lamp Set
6 3/4" Tall (Maroon)
Item No. 30-1081-A \$19.95



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



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



Die-Cast Metal Construction



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



Union Pacific #314 Girder Bridge
10" x 4 1/2" x 1 3/4"
Item No. 30-12002 \$19.95



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



#193 Industrial Water Tower
6" x 6" x 14 3/4"
Item No. 30-9060 \$49.95

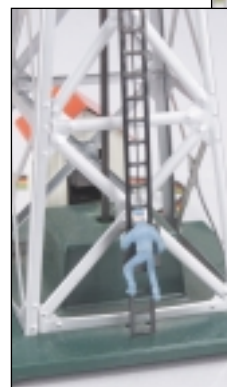


#395 Floodlight Tower
5" x 5" x 11 1/4"
Item No. 30-9049 \$39.95



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

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.



Milk Platform
(milk cans not included)
Item No. 30-9063 \$49.95



PERFECT FOR POST-WAR MILK CARS ON YOUR REALTRAX® LAYOUT



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



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

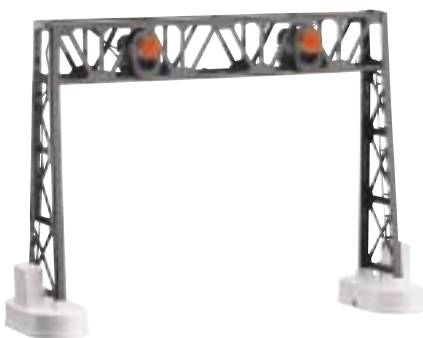


#455 Oil Derrick
9 3/4" x 5 3/4" x 13 3/4"
Item No. 30-9059 \$89.95

Authentic Pumping Operation with Bubbling Oil Pipe



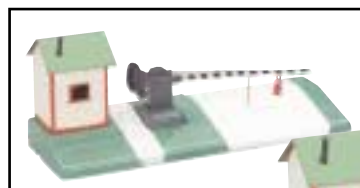
Radar Tower
4 1/2" x 5" x 11 1/2"
Item No. 30-9032 \$39.95



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



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



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



This working saw mill gives your trains something to haul. At the push of a button the blade spins and the log passes thru.



After each rotation, a plank appears, as if cut from the log, and the arm lifts the plank and drops it into the waiting car you park beside the mill.

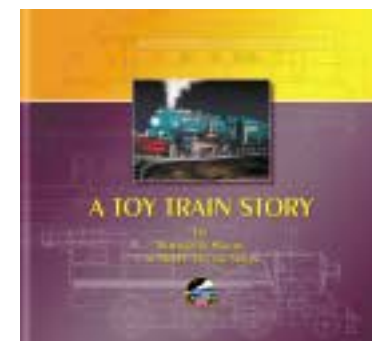
No. 23796 Saw Mill
Item No. 30-9122 \$89.95

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



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

new!



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



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



Model Railroader's Handbook
Item No. 60-1355 \$14.95

M.T.H. developed *Model Railroader's Handbook* especially for the beginning hobbyist. It is chock-full of information, like basic layout strategies, operation tips, and what common terms mean, that are perfect for people just starting out. Whether you or someone you know is gradually building on a starter set or jumping in with both feet, this book is the perfect guide to the hobby. Every book comes with a CD ROM with track layout software and video footage on how to use RailKing Ready-To-Run sets.

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

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



▲ Grocery, 4-Story Building
Item No. 30-9058 \$39.95



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



▲ Myerstown 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



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

Includes Die-Cast O-Scale Bus



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



▲ Auto Parts Store, Corner Building
9 7/8" x 7" x 7 3/8"
Item No. 30-9056 \$39.95



▲ #5 Country Church
Item No. 30-9057 \$29.95



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



▲ 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. 30-9045 \$24.95



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

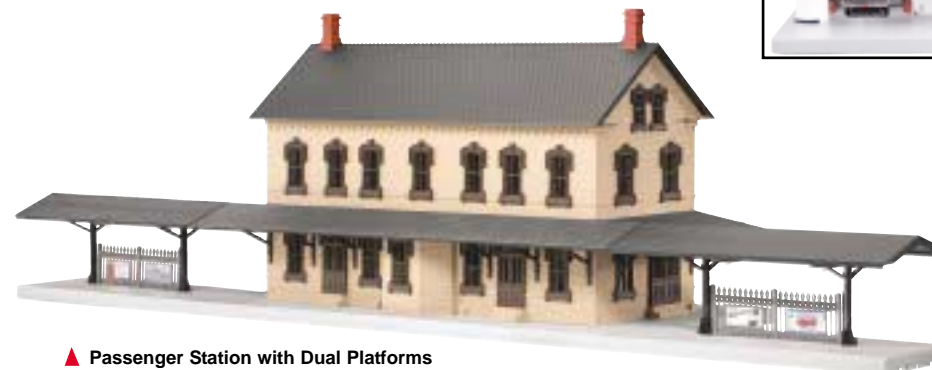


▲ Engine Shed
24" x 8 1/2" x 13 1/2"
Item No. 30-9030 \$79.95



▲ Single Transformer Electric Substation
Item No. 30-9062 \$99.95

new!



▲ 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



Enter..



Wash..



Rinse..



Exit.



▲ Operating ESSO Car Wash
Item No. 30-9121 \$149.95



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



▲ Operating Citgo Gas Station
15" x 11" x 6 1/2"
Item No. 30-9113 \$129.95



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



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



Take a Ride Through the
Drive-Thru Window

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

McDonald's® is a registered trademark of the McDonald's Corporation



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.

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.



TANK IS FULL



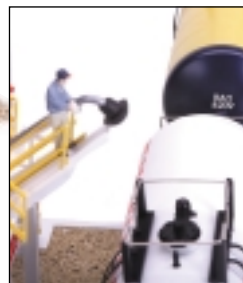
▲ Operating Storage Tank
Item No. 30-9116 \$179.95



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



FILLING
UP YOUR
TANK CAR



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
20-95038 \$29.95



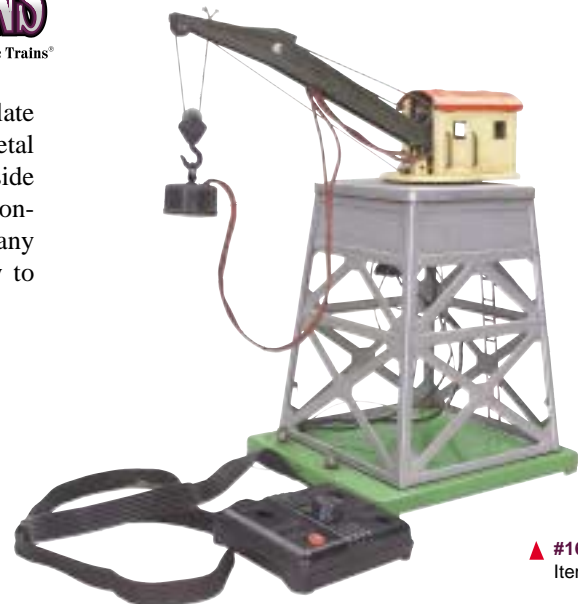
Trans America, BN, Seaboard, 48' Container Set
20-95039 \$34.95



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



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



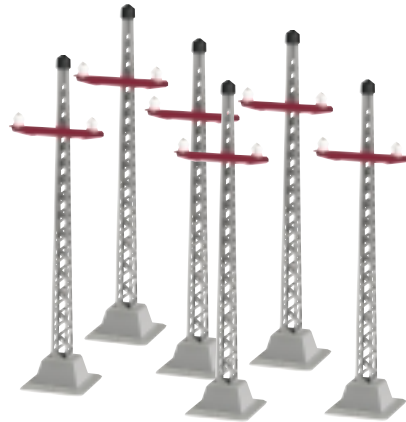
#165 Magnetic Crane
Item No. 10-1160 \$299.95

Add some action to a working Tinplate layout. This magnetic crane lets you raise and lower the hook or turn the cab at the touch of a button. A manual crank raises and lowers the boom. Turn the magnet on to raise a metallic scrap load and off to drop it.

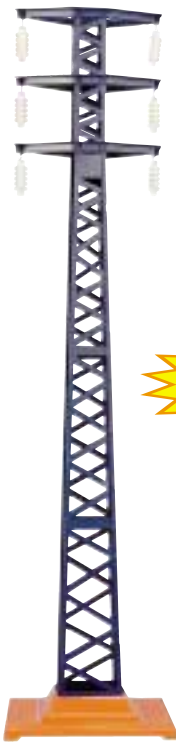
new!



#550 Railroad Figure Set
Item No. 10-4016 \$79.95

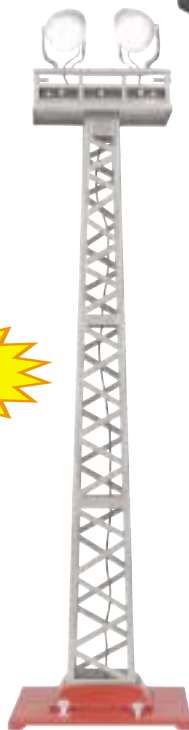


#71 Telegraph Post Set (Gray/Red), 8 3/4" Tall
Item No. 10-1093 \$49.95



3 TOWERS PER SET

#94 High-Tension Tower Set
Item No. 10-4012 \$99.95



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



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



#63 Lamp Post Set (aluminum), 13 3/4" Tall
Item No. 10-1108 \$39.95



#87 Railroad Crossing Signal, 6 3/4" Tall
Item No. 10-1096 \$39.95

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 Product Locator on the M.T.H. Web site (www.mth-railking.com) allows model railroaders to do a nationwide search for Authorized M.T.H. retailers 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.

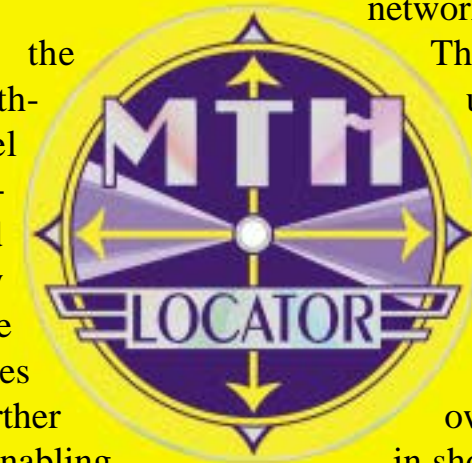
Our dealer product locator makes it easy to locate an M.T.H. product and the retailer who has it in stock

While some companies utilize similar systems within their own intranets, M.T.H. is among the first in the world to take some-

thing 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. Authorized 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

Get the most from model railroading... Join the Club!

MTH RAILROADERS Club

The M.T.H.R.R.C. Brings the Excitement Home to You!

Get the inside story on the latest in toy train fun and collectibles. As a member of the M.T.H. Railroaders Club®, you'll receive:

- **Limited-Edition Club Car**
Each year we produce cars exclusively for our Club members. Members automatically receive the car that matches their Club membership (RailKing, Premier, or Tinplate) and have the option to collect the other Club cars as well.
- **The CrossingGate®**
Bi-Monthly Club Newsletter- You will receive our full color Club newsletter, jam-packed with product news, layout tours, ideas from other members, rail history, and step-by-step articles explaining how M.T.H. technology can bring your railroad to life.
- **1st Class Mailing of M.T.H. Catalogs**
Members receive three catalogs a year, filled with cool, limited-run engines and accessories. Club members get the catalogs earlier than the rest of our mailing list, so they can order from their local train store before the best items are sold out.
- **Club Web Site**
Visit www.mth-railking.com and type in your member number to gain access to the Club web site. Here you can exchange messages with other Club members, track your collection, keep up with the latest news, and build your own homepage.
- **RailWare Software CD-ROM**
Use your computer to design track layouts, search the database of all M.T.H. products, look at our past catalogs, listen to Proto-Sound® train effects, and much more. This CD retails for \$79.95, but is yours FREE as a Club member.
- **Special Club Merchandise**
Club members can buy exclusive Club items or receive special discounts on select items.
- **Club Card and Lapel Pin**
Show the world your membership in this elite group of model railroaders with your high-quality embossed membership card and beautiful enamel lapel pin.

Join the Club on our website: www.mth-railking.com
or write to us for an application:
M.T.H. Electric Trains - M.T.H.R.R.C.
7020 Columbia Gateway Drive, Columbia, MD. 21046-1532

Membership Options

There are three different types of membership, based on the style of model railroading that most interests you:



RailKing Membership

Flatcar with (2) Ertl® 1951 Panel Vans.
Item No. 30-76002.
RailKing membership is \$50.00.



Premier Membership

3-Bay Cylindrical Hopper Car.
Item No. 20-97442
Premier membership is \$50.00.



Tinplate Membership

200 Series Std. Gauge Flatcar (Black w/ Brass Trim and Pickup Truck).
Item No. 10-1163.
Tinplate membership is \$120.00.



A Toy Train Story

This comprehensive book is a must for collectors and other lovers of toy trains. With 350 pages and 1900 color photos, it's a complete reference to the history of M.T.H. Electric Trains and our products through the 2000 volume 2 catalog. Learn the people and stories behind the trains and get a view of how our products are created. Add this great new book to your membership for only \$25.00 (50% off the \$49.95 cover price).

RAIL FAN MERCHANDISE

You can purchase Rail Fan merchandise from your nearest Dealer or visit www.mthtrains.com and buy online

Brass Holiday Ornament

(Polished brass)
Measures: 3" x 3".
Item No. 60-1353
\$5.95



Boxed Greeting Cards

(Box of 18 Cards and Envelopes)
Item No. 60-1354
\$14.95



Polo Shirt

(Contrasting Collar and Cuff - Gray with Black and Yellow Contrasts and 2-Color MTH Logo)
Item No. 60-1329
M - XL \$34.95
XXXL \$39.95



Polo Shirt

(Contrasting Collar and Cuff - Black with Purple and Yellow Contrasts and 2 Color MTH Logo M.T.H. Logo)
Item No. 60-1328
M - XL \$34.95
XXXL \$39.95



2001 Calendar

(Features Full Color Images of M.T.H. Engines. Measures 12" x 22" opened)
Item No. 60-1352
\$9.95



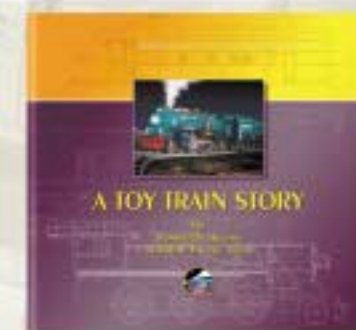
Golf Jacket

(Navy Blue with 2-color)
Item No. 60-1330
L - XL \$59.95
XXXL \$69.95



Lenticular Mousepad

Item No. 60-1333
\$9.95



M.T.H. Book - History

Item No. 60-1321
\$49.95



Baseball Cap

(Gray Felt with Purple M.T.H. Logo)
Item No. 60-1327
\$16.95



Baseball Cap

(Black Felt with White M.T.H. Logo)
Item No. 60-1326
\$16.95

TRAIN SOUNDS



M.T.H. Battery Wall Clock with Train Sounds

Item No. 60-1356
\$29.95



TM Layout Video

(This Entertaining Video Features Some of Our Favorite Layouts. VHS.)
Item No. 60-1325
\$19.95

LIMITED ONE-YEAR WARRANTY

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

See our Website at www.mth-railking.com or call 1-888-640-3700 to identify an Authorized M.T.H. Train Merchant near you.

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 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

Not all products depicted in this catalog are production models. In some cases, the items pictured may be HO, O Scale or some other scale product. All item's graphic features and content are subject to change after publication. All product features may be verified on their retail packages.

©2001, M.T.H. Electric Trains,
7020 Columbia Gateway Drive,
Columbia Maryland 21046-1532
www.mth-railking.com
410/381-2580

MTH Trademarks: M.T.H. Electric Trains®, M.T.H.®, Ives™, Proto-Sound®, Proto-Sound® 2.0, Proto-Speed Control™, Proto-Doppler™, Proto-Dispatch™, Proto-Cast™, ProtoSmoke®, Proto-Coupler®, Proto-Effects™, RailKing®, Rugged Rails™, RailTown™, Tinplate Traditions®, ScaleTrax™, RealTrax™, Z-500®, Z-750®, Z-4000®, Z-4000 Remote Commander® and the MTH Numbering System and all others indicated throughout this catalog. Lionel and Trainmaster are registered trademarks of Lionel L.L.C., Greenberg Publishing® is a registered trademark of Greenberg Publishing Company, Inc., McDonald's® is a registered trademark of the McDonald's Corporation, CAT® is a registered trademark of Caterpillar Inc., Atlas O is a registered trademark of Atlas O, GarGraves is a registered trademark of GarGraves Trackage Corporation, RealTrax® layouts created with RR-Track™ which is a registered trademark of R&S Enterprises.
Printed in Canada



RIDE THE WEB WITH US!

www.mth-railking.com



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..



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."

