

M.T.H. ELECTRIC TRAINS  
2000 volume two

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# INTRODUCTION

Our product line has grown enormously over the past few years. In 2000 it's bigger and better than any previous M.T.H. lineup, so we are printing two catalogs: one for our RailKing® Line, and one for our Premier and Tinplate Traditions™ Lines. Both books are filled with model railroading products that will capture the interest of virtually every rail enthusiast.

At M.T.H. we create our magnificent collection of model railroad products based on what we know railfans want. We listen to model railroaders—what you say at train collectors' conventions, through dealer feedback, and via mail and e-mail—to determine what's missing, to find out what you want but do not yet see on the market. We also stay tuned in to what your favorite items are, and we constantly work on ways to make these products better and more innovative for you.

## M.T.H. ELECTRIC TRAINS®

At M.T.H. Electric Trains®, we believe offering model railroaders as much variety and authenticity as possible is not enough. We are also dedicated to providing the most technologically advanced model railroading equipment available. At M.T.H. we believe that it is important to keep abreast of the technology explosion so that we can continue to provide you with model railroading equipment—whether it be engines, accessories, track, or operating systems—that continues to make the hobby easier and more realistic than ever before. To that end, we recently invested more than \$2 million on new technology to improve your model railroading experience. M.T.H. is proud to introduce our new locomotive sound and train control systems. We believe they will make your operating experience more enjoyable, more realistic, and easier than you could have imagined.

Among our most exciting new systems is the improved version of Proto-Sound®, Proto-Sound® 2.0. This impressive system has a sampling rate twice that of the best digital sound system currently available in O gauge model railroading. It is dramatically improved technology that provides for more authentic sound than anything we or our competitors have produced in the past. Among other things, it uses its technology to take advantage of the Doppler principle to mimic the growing and fading sounds of a train as it approaches and passes, just like the prototypes. You can also run your own sound—whether your own voice or a favorite tape—through the system to individualize your locomotives. Proto-Sound 2.0 provides many more sound options than have been available in the past and comes packaged with our revolutionary new Digital Command System (DCS) that allows for more realistic operation of your DCS-ready engines. M.T.H.'s Digital Command System allows for individual control of each engine and accessory on your layout. You'll get variable locomotive speed control,

independent lighting control, diagnostic memory features, customizeable, downloadable sounds, and simultaneous TMCC® operation, among many other exciting new features. Read more about these revolutionary new features and how they can enhance your railroading experience in the Proto-Sound 2.0 section of the catalog.

We have also replaced the electronic whistles and horns available on RailKing engines with our new Loco-Sound™ system, to give you a more authentic sound than before, but still at a lower price than with the new Proto-Sound 2.0 system. More importantly, most RailKing Ready-To-Run sets now feature remote control, through our new Loco-Sound Wireless Infrared Remote Control. With all the great new technology M.T.H. offers this year, model railroading has never been better!

Armed with the quality and value of the M.T.H. product line, many of our customers have been spreading the word about the joys of M.T.H. model railroading to new and old railroad enthusiasts. This excitement stimulates the growth of our hobby, which is expanding with incredible speed. It also motivates us here at M.T.H. to increase our efforts to produce the types of products and technology model railroading enthusiasts want. To that end, we offer some items to help guide you on your model railroading journey and the world of M.T.H. Electric Trains. These include a soon-to-be-released 240+ page book with more than 1,900 color photographs covering the fascinating history of M.T.H. (we've been around longer than you think!) and an interactive CD ROM with both how-to videos and track-planning software.

## PREMIER

Proof of our efforts to continue bringing our customers the best quality and value around can be found throughout the following pages. You will find exciting locomotives, rolling stock and accessories. Each item is designed and manufactured to meet the standard of quality you expect. We accomplish this by ensuring that our products are easy to understand, easy to operate, and easy to service. For example, M.T.H. locomotives, which are constructed from high quality ABS plastic or die-cast and stamped metal components, feature our modular chassis design (MCD) concept which ensures that each engine is easy to operate and easy to service. You can accomplish most basic repairs with just a screwdriver.

As you learn more about M.T.H. Electric Trains through the pages and images of this catalog, you will come to understand how and why M.T.H. has taken the lead in the O gauge market. If you like what you see, visit our web site or contact us to find a dealer near you so that you may experience first hand why M.T.H. Electric Trains is your best source for O gauge value and quality.

Toll Free Dealer Locator Number

**1-888-640-3700**

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

# Bring Your Layout Alive

## PROTO-SOUND 2.0 WITH DCS

### The Operating System for the New Millennium

In the Millennium Year 2000 and beyond, virtually every M.T.H. locomotive or Ready-To-Run™ train set can be ordered with model railroading's most revolutionary digital control system: Proto-Sound® 2.0 featuring the Digital Command System (DCS).

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 must be heard and seen to be believed. Its quality and features, designed by M.T.H.'s own research and development team, are unmatched by any other model railroading manufacturer. Operation starts right out of the box, with no additional equipment or wiring to your layout needed for basic conventional operation. Engines equipped with Proto-Sound 2.0 are perfectly compatible with engines not so equipped. You simply hook up any compatible transformer and begin experiencing the digital world of model railroading in ways unmatched and unimaginable.

### The Sound System

Proto-Sound 2.0 is a digital sound system utilizing authentic railroad sounds. Steam engines feature steam chuffing, squeaking brakes, whistles and bells, while diesel locomotives rumble with diesel roar, throaty horns and chiming bells. Proto-Sound 2.0 utilizes a much higher sampling rate than earlier Proto-Sound versions. In fact, Proto-Sound 2.0 has a greater dynamic range than any of our competitors. In plain English, this means higher highs and lower lows for an unmatched model railroading experience.

Proto-Sound 2.0 features a bevy of new sound features that will transform your operating experiences to a far higher level of realism than you ever thought possible. Every Proto-Sound 2.0-equipped locomotive features improved and all-new Proto-Effects™ including:

- New and Improved Cab Chatter With Dozens of Different Voice Accents
- Locomotive Start-up and Shut Down
- All-New Passenger Station Sounds or Freight Yard Sounds
- Squeaking Brakes and Coupler Release Sounds.
- Coupler Slack Sounds
- Wheel Clickety-Clack Sounds
- Train Wreck Sounds
- Dozens of randomly-created voice accents

Proto-Sound 2.0 also comes equipped with three exciting new sound effects; Proto-Doppler, Proto-Dispatch and Proto-Cast each of which is explained in the sidebars on the following pages.

In addition, Proto-Sound 2.0-equipped locomotives feature a redesigned Proto-Coupler system that can be controlled with one simple button push as well as a redesigned ProtoSmoke system that allows user control over smoke output.

Finally, and most importantly for prototypical operations, every Proto-Sound 2.0-equipped locomotive comes with Proto-Speed Control (see the sidebar on page 3), a sophisticated monitoring system that provides constant speed control of your locomotive or consist, whether you are operating in Conventional or Digital Command Modes.



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## The Digital Command System

The Digital Command System (DCS) found in Proto-Sound 2.0 is a digital control system that allows operators to command multiple engines, tracks, switches, and accessories at one time with a single remote. When in Digital Command System Mode, a constant voltage level is applied to a layout or track block. You will be able to individually control each DCS engine or any accessory with the touch of a button on the DCS Remote Controller.

The separately sold Digital Command System Remote features a four line LCD screen and 32 push buttons for control over basic locomotive functions, including whistle or horn activation, bell, speed control, direction control and coupler operation. Scroll through its simple easy to use menus each allowing quick and easy access to the multitude of exciting new features in Proto-Sound 2.0. DCS Remote Control will immediately recognize up to 50 different engines when first powered up on your layout. Once an engine is recognized, change your favorite operating settings, including volume levels, assignment of locomotive addresses and names, lighting, smoke output, and dozens more with the touch of a few buttons.

Operation of your Digital Command System engine has never been more realistic. When operating in Command mode, operators can utilize the Proto-Speed Control function to control the speed of an engine in one scale mph increments. This revolutionary system doesn't require special motors yet will not allow a locomotive to change speed during operation even if the environment changes. Enter a grade or sharp curve with an engine programmed to travel at 5 scale mph and that engine will continue to travel at 5 MPH. Couple up a long consist for an engine previously operating by itself at 10 MPH and watch as the engine continues to operate at 10 MPH, even going up and down grades!\*

Our Digital Command System remembers your commands and can record them for playback later. Create a demo of your consist's operation and play it back with the touch of a button. Every locomotive operation, accessory operation or switch action will be remembered and played back. In fact, every minute of operation on your DCS-equipped locomotive is stored in an electronic odometer. This allows the owner to have a complete record of the actual scale miles the train has traveled. For collectors it's a great way to confirm the use of an engine.

Use the Digital Command System to control switches and trackside accessories (up to 250 of each, for a total of 500). With a Digital Command System Track Interface Unit (TIU) and Accessory Interface Unit (AIU), any track switch or accessory can be interfaced with the system. This allows operators to maintain complete control over their layout with the touch of a button on the DCS Remote. Best of all, no complicated wiring is required. Simply wire up a switch or accessory to the Digital Command System AIU just as you would to a button or track activation device. It's that simple.



The Digital Command System brings full compatibility to the model railroading community. Unlike O Gauge railroading's other 3-Rail command system, Lionel's® Trainmaster® (TMCC), the Proto-Sound 2.0 Digital Command System can control both Proto-Sound 2.0 equipped locomotives and Trainmaster® equipped locomotives in Command Mode without modification. **One DCS Remote Controller can operate DCS engines and Trainmaster® (TMCC) engines 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!

\*\* Requires Trainmaster® Command Base

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**Proto-Speed Control** is a revolutionary feature that utilizes micro-processor monitoring of your engine's motor revolutions, continuously making adjustments to the engine's speed to maintain locomotive speed, much as a real engineer does when traveling over variable terrain. When active, a Proto-Sound 2.0-equipped locomotive will experience only slight changes in speed when traversing grades and curves. At last, prototypical speeds can be attained without special motors or operating modes. In fact, the system is so sophisticated it allows engines to travel at speeds of 3 scale miles per hour or less! More importantly, the system can be overridden when double-heading with non-Proto-Sound- or earlier Proto-Sound-equipped locomotives. When the new system is disabled, your Proto-Sound 2.0-equipped locomotive will operate in the same manner as any other previously designed M.T.H. steam or diesel locomotive.



**Proto-Doppler** puts the **WOOOOOsh** in sound. Originally discovered by the Austrian mathematician and physicist, Christian Doppler (1803-53), the Doppler Effect represents the change in pitch and volume that results from a shift in the frequency of the sound waves as evidenced by the sound of an approaching object. For example, as an ambulance approaches, the sound waves from its siren are compressed towards the observer. The intervals between waves diminish, which translates into an increase in frequency or pitch. As the ambulance recedes, the sound waves are stretched relative to the observer, causing the siren's pitch to decrease. By the change in pitch of the siren, you can determine if the ambulance is coming nearer or speeding away. In model railroading, the Doppler Effect has long been considered the ultimate goal of sound system development. Now, thanks to Proto-Sound 2.0, this effect can be reproduced in a locomotive. Imagine getting close to the track, watching and listening as a train whooshes past. You'll hear the oncoming sound followed by the receding fade as the train passes by just like you would if you were standing at trackside.



**Proto-Dispatch** takes Proto-Sound's cab chatter one step further toward reality. Now, instead of listening to the pre-recorded Cab Chatter messages that come standard in every Proto-Sound 2.0-equipped locomotive, you can actually interact with your train by broadcasting your own voice through the locomotive's speaker. A built-in microphone has been incorporated into the Proto-Sound 2.0 DCS Remote Control. Simply press a button and speak into the mic to create your own personalized Cab Chatter messages or interact with the pre-recorded Cab Chatter messages in your locomotive. It's great fun and an easy way to get the whole family involved in your railroad operations.



**Proto-Cast** is perhaps the most exciting new addition to the Proto-Sound system. By using the TIU and any external audio source, like a tape deck or CD player, you can now broadcast your favorite songs or stories through your locomotive's speaker. Imagine using Proto-Cast to play your favorite railroad songs through your train or "broadcasting" a train story from tape, like "The Little Engine That Could," while your train runs around the layout. Better yet, play your own favorite prototype recordings as you run your trains. Its easy to use and makes for great entertainment on your layout.



# PROTO-SOUND 2.0

THE OPERATING SYSTEM FOR THE NEW MILLENNIUM

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

- Authentic Bell & Horn or Whistle Sound Effects
- Authentic Locomotive Chuffing or Diesel Engine Sound Effects
- Authentic Locomotive Start Up and Shutdown Effects
- Conventional Mode Proto-Effects Including Cab Chatter, Passenger Station and Freight Yard Sounds
- Proto-Coupler Remote Operation
- Proto-Speed Control Monitoring - A Cruise Control Type System That Maintains A Locomotive or Consists Speed During Grade Changes
- Proto-Speed Control Disable
- Model Railroading's Highest Dynamic Sound Range - For Higher Highs And Lower Lows
- Built-In, Self-Recharging Battery Backup System
- Squeaking Brake Sounds
- Maintenance Sound Effects
- Constant Voltage Lighting
- ProtoSmoke Operation

## Proto-Sound 2.0 Digital Command System (DCS) Features - Requires Optional Digital Command System Remote Control, Track Interface Unit (TIU) and Accessory Interface Unit (AIU)

### All Conventional Features Plus Features Listed Below

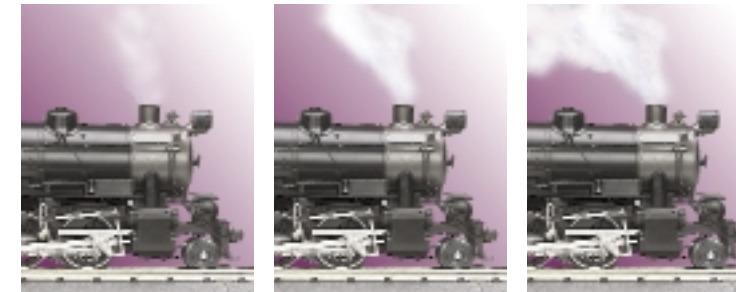
- Independent Locomotive Control - Operates Up To 50 Different Locomotive On The Same Track At The Same Time. Assign Locomotive IDs, Turn Engines ON or OFF or Run Different Engines At Different Speeds On The Same Track
- Enhanced Proto-Speed Control - Operate Locomotives As Slow As 1 Scale Mile Per Hour And Maintain Speed Up And Down Grades
- Enhanced ProtoSmoke Operation - Variably Control Smoke Output
- Enhanced Constant Voltage Lighting Control - Control Locomotive Lights Independently, Turn On or Off or Flash Ditch Lights, Cab Interior Lights, MARS Lights, Beacon Lights or Headlights
- Remote Control Over Layout Accessories - Requires No Modification To Accessories. Simply Wire Up Any Manufacturer's Accessory To An Accessory Interface Unit For Remote Control Via The DCS Remote (Requires AIU)
- Remote Control Over Track Blocks And Switches - Requires No Modification To Track or Switches. Simply Wire Track Blocks or Switches To A Track Interface Unit For Remote Control Via The DCS Remote (Requires AIU)
- Customize Proto-Sound 2.0 DCS Locomotives With Downloadable Sounds - Change Bells, Whistles or Proto-Effects For A Unique, Personalized Locomotive. Change Your Passenger Station Proto-Effect To A Freight Yard Proto-Effect.
- Proto-Cast - Play Your Favorite Tapes or CDs Through Your Train During Operation. You Can Even Play Bedtime Stories to Your Children
- Proto-Doppler Sound Effects - Easy To Use Feature That Simulates The Growing And Fading Sounds Of A Locomotive As It Approaches And Then Passes By
- Proto-Dispatch - Be Your Own Dispatcher. Broadcast Your Voice, In Real Time, Though Your Train's Speaker While It Is Running
- Extended Locomotive Start Up And Shutdown Effects
- All New Proto-Effects - Select And Play 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 - Mute All Proto-Sound 2.0 Sounds With A Touch Of A Button. -Global Or Individual One-Touch On Or Off Control - Turn On or Off Lights. Choose An Individual Locomotive Or All Proto-Sound 2.0 Equipped Locomotives To Be Affected
- Diagnostic Memory Features - Proto-Sound 2.0s Digital Command System Provides Sophisticated Monitoring Information Of Engine Statistics Including Locomotive Model Type, Model Name, Scale Miles Traveled And All Current Proto-Sound 2.0 Settings. It Is A Perfect Way To Authenticate An Engine's

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## How Proto-Sound 2.0 Forced M.T.H. To Rethink M.T.H. Locomotive Design:

With the advent of the latest version of Proto-Sound, M.T.H. had to take a long hard look at our locomotive product line designs. Because of the revolutionary changes Proto-Sound 2.0 provides model railroad operators, many existing features in M.T.H. locomotives had to be redesigned. For example, Proto-Sound 2.0's ability to control various functions of an M.T.H. engine forced those systems to be compatible with the new sound and train control system. Lighting previously controlled by stand-alone circuit boards is now controlled by the Proto-Sound 2.0 system. Redesigned smoke units now have their output controlled by the system, and a new lower-voltage Proto-Coupler system forced the redesign of the old Proto-Coupler.

Each of these improvements required either redesign or changes to their older counterparts in order to operate in locomotives equipped with Proto-Sound 2.0. Even the chassis have been replaced or redesigned to allow for the new electronic components. The end result: not only do today's model railroaders have a state-of-the-art sound and train control system, they actually have redesigned locomotives. Fortunately, these new designs and components allow new M.T.H. Proto-Sound 2.0-equipped locomotives to remain completely compatible with our past Proto-Sound-equipped engines. This means you can run a new Proto-Sound 2.0 engine with an older Proto-Sound engine without incurring any operational problems. What it doesn't allow, at least today, is the ability to bring those older engines up to today's Proto-Sound 2.0 standards.



LIGHT SMOKE

MEDIUM SMOKE

HEAVY SMOKE



Now you can set the amount of smoke your engines output.

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## Proto-Sound 2.0 Digital Command System vs. Conventional Operation

The terms sound confusing and can overwhelm the inexperienced train operator, but really the concepts are quite simple. "Command-Ready" components, whether they be the Digital Command System or another manufacturer's system, are simply locomotives or accessories that can interface with the proprietary system they were designed for. When in "Command Mode", an operator has configured his or her layout for an operating environment that allows every component within that layout to be communicated with directly and independently from a common communication source (usually a remote control). This is usually accomplished by completing the procedures to enter command mode and then turning up the transformer controlling the desired track block (or entire layout) to full voltage. The accessories and locomotives operating in these blocks are now configured to ignore the track voltage and instead will respond to commands from the communication source to activate various features (direction, speed, operation of accessory, etc.). Because each accessory or locomotive is responding to signals from the communication source independently, multiple operations can occur 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.

Conventional operation is just the opposite. Every accessory or locomotive on a given track block will respond at the same time to the transformer voltage being applied to the track block. Individual control over various actions of each locomotive or accessory is prohibited. However, every engine or accessory can operate with other manufacturer's accessories or locomotives when in Conventional Mode, regardless of whether these items are outfitted to be Command Ready. Therefore, whenever you are operating in Proto-Sound 2.0 Conventional Mode you are guaranteed that every other manufacturer's products, including all earlier versions of Proto-Sound, will function with your Proto-Sound 2.0 equipped locomotive.

Operating Proto-Sound 2.0 is simple. Just put your engine on the track, right out of the box. As soon as you power-up your transformer, you will hear the authentic sounds of your diesel, steam, or electric engine awaken as it awaits your command to start moving. Your transformer's throttle and its whistle button activate all the conventional Proto-Sound 2.0 features listed. There is no need to purchase a whole new control system with dozens of buttons and keystrokes to memorize; Proto-Sound 2.0 works with almost any AC transformer. Of course, Walk-around freedom is also available for those interested in purchasing the Proto-Sound 2.0 DCS Remote Control. In fact, Proto-Sound 2.0's DCS Remote will control any Lionel® locomotive equipped with Trainmaster®, even when running in Command Mode. Operate both Lionel® Trainmaster® equipped engines and Proto-Sound 2.0 DCS equipped engines at the same time. Its one solution for multiple engines. To operate Digital Command System features, simply enter Command Mode and begin using the Digital Command System Remote Control to activate your locomotive and accessories. If you wish to operate in Conventional Mode, you can still use your Digital Command System Remote Control or any remote control system, including the Z-4000 Remote. The only features you won't be able to access in Conventional Mode are Digital Command System features.



Control virtually everything on your layout from locomotives to accessories to switches. It's as easy as a touch of a button.





# CHOOSE YOUR POWER & REMOTE CONTROL OPTIONS

M.T.H. now offers three excellent options for model railroaders looking to break away from a stand-alone transformer: the RailKing IR Remote Control System, the Z-4000 Remote Control System and the DCS Remote Control System required for use with our revolutionary new Digital Command System. If you are looking for the easiest and most advanced remote control to operate your locomotives equipped with the original version of Proto-Sound, the Z-4000 Remote is a great choice. But if you want to take full advantage of all the amazing features provided by the ground-breaking new Proto-Sound 2.0 and Digital Command System, you'll need the DCS Remote Control.

## RailKing IR Remote Control System

The RailKing Remote Control system could not be easier to use. It controls locomotive speed and other features available on your MTH locomotive as simply as a television remote control, from as far away as fifteen feet and functions with any manufacturer's locomotives and transformers. Enjoy the ease of operating your train set from anywhere in the room



**IR Remote Control System**  
Item No. 50-1012  
\$49.95

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

**IR Remote Remote Lock-on**  
Item No. 50-1013  
\$14.95



## Z-4000™ Remote Control System

If you want to operate your model railroad in a new yet familiar way with the freedom of a wireless hand-held controller, M.T.H. Electric Trains has the perfect solution: the Z-4000 Remote Control System.

This system interfaces quickly and easily with up to three the powerful 400 Watt Z-4000 Transformer to bring simple, portable control to your model railroad empire in ways not found in our competitors' remote control systems. Simple design with easy-to-use functionality make the Z-4000 Remote Control System a great remote control system for model railroaders looking to break away from a stand-alone transformer.

Equipped with features that simplify and enhance operating your trains, the Z-4000 Remote Control System is similar enough to the Z-4000 transformer to have you up and running your trains in minutes. Get down to track level, follow your trains around, or operate from the comfort of your easy chair. It's all possible thanks to the fun and excitement of the Z-4000 Remote Control.

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

**Z-4000 Remote Receiver**



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## Z-4000 REMOTE FEATURES

**LCD Display** - The handheld LCD Display informs the user of the commanded track voltage during normal train operation and simplifies Proto-Sound® feature selection during programming.

**Controls Two Tracks** - Using the Track Selector Switch, operators can switch between two different tracks on the fly. The Z-4000 Remote Control Handheld will remember each track's settings and display them when the track is selected.

**Rotary Throttle Dial** - Simply roll the thumb-wheel style throttle on the Remote Control Handheld upward or downward to control the speed of your trains. The rotary style throttle enables switching between active tracks while retaining the previous throttle setting. It also doubles as a Program Mode selector by allowing the user to scroll through Proto-Sound® features.

**Bell Button** - Activates the bell sound in any manufacturer's sound-equipped engines. The button is also used to select a feature in the Program Mode when programming any Proto-Sound®-equipped locomotives.

**Whistle/Horn Button** - Activates the whistle or horn sound in any manufacturer's sound-equipped engines. The button is also used to activate the Proto-Coupler® found on any Proto-Sound®-equipped locomotives.

**Program Button** - Enables the user to toggle in and out of the Program Mode when programming any Proto-Sound®-equipped locomotives.

**Direction Button** - Interrupts the track power to allow any manufacturer's engine to change direction.

**Boost/Brake Button** - Self-centering rocker switch that allows users to accelerate or decelerate any manufacturer's locomotive during operation, independent of the throttle setting. Releasing the button will return the throttle voltage to the previously selected setting.

**Emergency Stop Button** - Immediately sets the commanded track voltage of both tracks to zero.

**Simultaneous Operation With Z-4000 Transformer** - Allows the user to control the track with either the Z-4000 stationary controls, the Z-4000 Remote Control Handheld's controls or both. The system automatically switches between the Z-4000 Remote Control Handheld and the Z-4000 Control Panel whenever a change in the controls is made.

**Multiple Remote Control Operation** - The Z-4000 Remote Control System allows for up to 3 individual Z-4000 Remote Control Handhelds to be used simultaneously with one Z-4000 Remote Control Receiver. Additionally, one Remote Control Handheld can control 3 Remote Control Receivers when attached to 3 Z-4000 transformers. For a total of 6 tracks.

**Power Source Management** - Built-in Sleep Mode allows Z-4000 Remote Control to go inactive when not in use, to preserve battery life.

**Operates All Manufacturers' AC Powered Locomotives** - Provides full conventional control of all AC 3-Rail trains when used in conjunction with a Z-4000 transformer, giving the operator the added freedom that can only be provided by a wireless hand-held remote control.

## DCS Remote Control System

The Digital Command System (DCS) Remote Control provides the operator with more control and freedom than any other remote control unit. The DCS Remote lets you individually control each DCS-ready locomotive, switch, and accessory with the touch of a button on a single hand-held unit from as much as fifty feet away. Best of all, the DCS Remote Control is compatible with other command control systems, like Lionel's® Trainmaster® system. Now, all command control operators can use one DCS remote from MTH Electric Trains to control their Lionel® Trainmaster® equipped locomotives with their Proto-Sound 2.0 DCS equipped engines - all at the same time.

Each Proto-Sound 2.0 DCS Remote Control features state-of-the-art functionality that gives you unprecedented control over your model railroad. The DCS Remote interacts with the user in two different modes, each dependent on the types of engines you are operating, the types of transformers you are using, and whether you are operating in Digital Command or Conventional Modes.

## DCS REMOTE FEATURES

### Conventional Mode Locomotive Operation Features

- Bell and Horn/Whistle Control
- Track Voltage Control
- Conventional Mode Proto-Speed Control
- Emergency Stop
- Direction Control
- DCS Remote Control over Z4000 Transformer Programming Features
- Conventional Mode Proto-Effects Operation
- Proto-Coupler Operation

### Digital Command Mode Locomotive Operation Features

- DCS Proto-Speed Control
- ProtoSmoke Variable Output Control
- Locomotive Lighting Control
- Automatic Locomotive Reset
- Emergency Stop
- One Touch Global Mute/UnMute
- One Touch Proto-Coupler Operation
- Adjustable Master Volume Control
- Global Locomotive Speed Control
- Proto-Dispatch Operation
- Proto-Doppler Sound Operation
- Command Mode Proto-Effects Operation
- Independent Volume Control
- Store up to 50 Different DCS-Equipped Locomotives at One Time
- Engine, Bell, Horn & Whistle Volume Adjustment
- Chuff Rate Selection Set Up
- Proto-Effects Set Up
- Proto-Doppler Sound Effects Set Up
- Proto-Speed Control Set Up
- Direction Control Set Up
- Proto-Smoke Output Set Up
- Locomotive Lighting Set Up
- Locomotive Consist Set Up
- Query Locomotive Information
- User Can Query, Set and Operate Track and Accessory Interface Units for Programming
- Digital Command Operations for up to 250 Accessories and 250 Individual Switches
- User Can Script, Record and Playback Train Routes



**DCS Remote Control System**  
Item No. 50-1001  
\$199.95

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

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

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



GO TO [www.protosound2.com](http://www.protosound2.com)

## Z-4000™ Transformer

Operators of any O, S, or Standard Gauge locomotive, regardless of manufacturer, will appreciate the power and control features found in the 400-Watt Z-4000™ transformer - the only U.L. Approved 400-Watt RMS transformer available today. The transformer's control panel has a voltage display, amperage display, and horn, bell, direction, and programming buttons for two track outputs. Two additional fixed voltage outputs are also available, making the Z-4000 the perfect choice for operating locomotives and accessories.

Programming any Proto-Sound®-equipped locomotives simply requires the operator to scroll through the features on the LED display by using the whistle and direction buttons. Macro features have also been included in the Z-4000 transformer giving the Proto-Sound owner the opportunity to use popular Proto-Sound features, like directional lock-out, with just a few button clicks.

Perhaps the most exciting feature of the Z-4000 is its microprocessor-controlled operating system. There is actually a powerful computerized brain that makes the Z-4000 highly upgradeable. In fact, the Z-4000 has been designed so that add-ons like a walk-around throttle system will be easy and quick to install and use. This product has earned the UL listing mark.

## Z-4000 TRANSFORMER FEATURES

- UL Listed To US and Canadian Safety Standards
- Pure Sine Wave Power Signal
- (2) 21v Variable Track Outputs
- (1) 14v Fixed-Voltage Output
- (1) 10v Fixed-Voltage Output
- Internal Cooling Fan
- On/Off Power Switch
- Expansion Port for Z-4000 Remote Control System
- Compatible As Power Source For All O Gauge AC-Powered Locomotives
- (2) Voltage LED Displays
- (2) Amperage LED Displays
- Resettable Circuit Breakers for Each Output
- Large Red LED Overload Indicator
- Large Green LED Power On Indicator
- Measures: 8 3/4" High, 11 1/8" Front to Back, 14 3/4" Wide



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

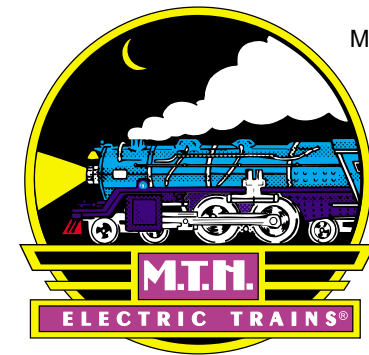
**M.T.H. ELECTRIC TRAINS**  
**O Gauge's Technology Leader**

*Premier Line*

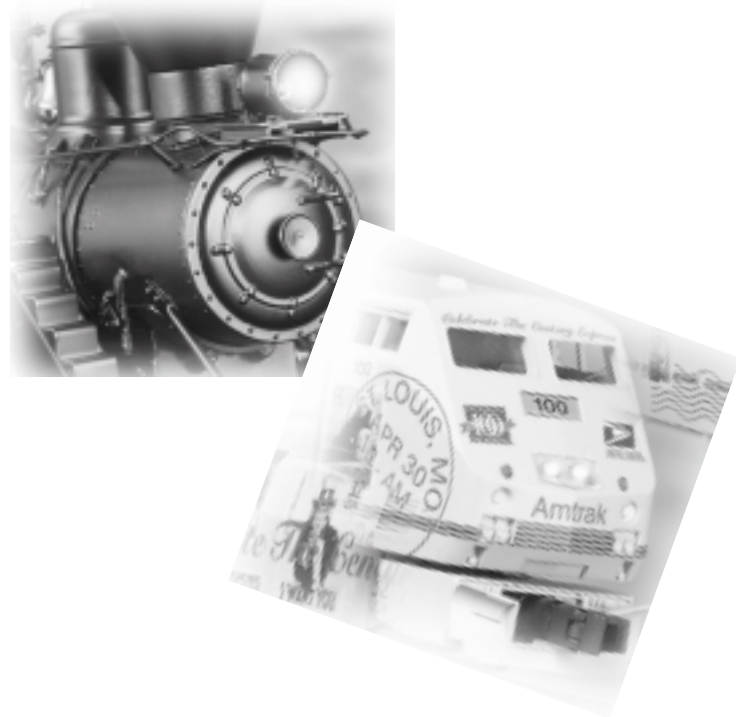
The M.T.H. Premier Line offers railfans superior 1/4-inch scale models in the O Gauge market. M.T.H. Premier Line products are of a variety and quality distinctive enough to satisfy the passions of even the most discriminating model railroader.

Premier Steam locomotives have all the features model railroad operators need to create dramatic and realistic layouts. The M.T.H. Premier Steam Locomotives display the highest quality craftsmanship, which is evident in their handsome detail. Each of the Premier Steam Locomotives includes die-cast boiler and tender construction, flywheel-equipped power from Pittman® motors, billowing smoke from the new ProtoSmoke® system. And it is impossible to overlook the commanding power demonstrated by all Premier steam locomotives. You can now create an even stronger illusion of reality than before, thanks to the revolutionary new Proto-Sound® 2.0 With Digital Command System (DCS), which gives you more power and more options than ever before. You'll be able to customize the operation of your layout in ways that have not been possible in O Gauge railroading before now. See the Proto-Sound® 2.0 section of the catalog for more details about these exciting new systems.

Our Premier Diesel Engines are in a class by themselves. The outstanding workmanship exhibited on each engine offers every model railroader who adds one to his or her collection or miniature empire a great sense of pride in ownership. Diesel Engines in the M.T.H. Premier Line feature two flywheel-equipped motors and the impressive new Proto-Sound® 2.0 system, which includes the new, easy-to-use remote uncoupling Proto-Coupler® system. Many of the Diesels also feature the new ProtoSmoke® smoke system, which produces such remarkably realistic smoke you would swear you were out on the actual rails experiencing the real thing! Included among our other distinctive features are metal grill details, spinning roof fans, operating marker lights, and illuminated number boards.



Model railroad operators will applaud our Premier Line Rolling Stock's enhanced features. For example, many of our Premier Line Caboosees now contain additional detail like attractive and extensive interior decor and overhead lighting. At M.T.H. our mission is to offer the best possible quality to all railroad fans. That is why we constantly strive to improve and enhance our existing products and at the same time create ingenious new ones.



*As you explore the Premier Section of our  
Year 2000 Volume 2 Catalog,  
let your imagination and enthusiasm guide you  
as you discover a level of  
O Gauge excellence and excitement that  
can only be found in M.T.H. trains!*





PREMIER STEAMER

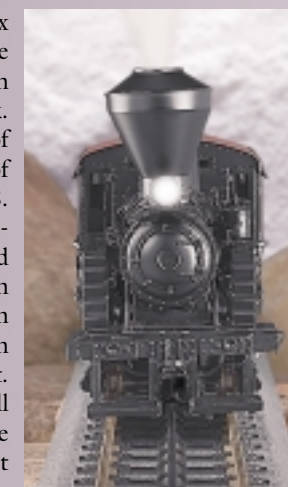


Add a 6-Car Flat Car with Logs Set  
See Page 37

## Climax Logging Steam Engine

Geared locomotives like the Climax Steam Engine were created to ensure high tractive effort and adhesion when running at slow speeds on poor track. The Climax Manufacturing Company of Corry, Pennsylvania built about 1,100 of these engines between 1888 and 1928. These engines were popular where lumber was harvested and other specialized industrial work took place, especially in northern New England, the Appalachian Mountains, the upper Midwest, northern California, and the Pacific Northwest. Many of these locomotives were still operating well into the 1960s and are fondly remembered as one of the most exciting locomotives to watch.

The Climax Steam Engine differed dramatically from the conventional rod-driven steam locomotive in that



it was driven by a crankshaft that powered the trucks with a network of gears. With trucks instead of big drive wheels, a fast exhaust, and slow speed (15-20 mph was the engine's top speed), the Climax bore little resemblance to other steam power. Geared engines like the Climax negotiated grades of up to 10% rather easily, and could hold the rail on track that routinely derailed many conventional locomotives. Working far from the shops, as it generally did, the Climax was rugged and easy to maintain, enduring incredible strain as it negotiated tough routes.

The M.T.H. Premier Climax Steam Engine, the first ever in O Gauge, boasts authentic detail. This Premier Locomotive is available with HillCrest Lumber Company markings and includes the special features listed.

HillCrest Lumber Co.  
Climax Logging Steam Engine  
Item No. 20-3039-1, w/Proto-Sound® 2.0  
Item No. 20-3039-2, 2-Rail

\$1099.95 . . . . . 20-3039-1 w/Proto-Sound® 2.0  
\$1099.95 . . . . . 20-3039-2 w/2-Rail

### FEATURES INCLUDE

- Die-Cast Boiler and Tender Bodies
- Constant Voltage Headlight
- Die-Cast Truck Sides
- Precision Flywheel-Equipped Motor
- **Redesigned Remote Controlled Proto-Coupler®**
- 2- or 3-Rail Versions
- Metal Handrails and Decorative Whistle
- Illuminated Cab interior
- Metal Engineer and Fireman Figures
- **Redesigned Operating ProtoSmoke® System**
- Operates on O-42 Curves
- **3-Rail Version Comes Equipped with All-New Proto-Sound® 2.0 with Digital Command System Featuring Lumber Yard Proto-Effects™**
- Among the many exciting new features available with the new Digital Command System are
  - Variable Locomotive Speed Control
  - Variable Smoke Unit Output
  - Independent Light Control
  - Diagnostic Memory Features
  - Customizable, Downloadable Sounds
  - Simultaneous TMCC Operation
- Measures Approximately: 13" x 2 1/2" x 4 1/4"





PREMIER STEAMER



NEW



Add a Union Pacific 5-Car Passenger Set  
See Page 43

Union Pacific  
FEF 4-8-4 Northern Steam Engine  
Item No. 20-3044

\$999.95 . . . . . 20-3044-1 w/Proto-Sound® 2.0

## Union Pacific FEF 4-8-4 Northern Steam

One of the most celebrated locomotive series in railroading history, Union Pacific's Mighty "800's" established new standards for performance upon their debut in the 1930s. Initially used for heavy passenger work, the 800s later moved to fast-freight service, proving themselves as outstanding examples of design and wheel configuration use. One of the early FEFs (UP shorthand for "four-eight-four") stood up to a 1938 national speed test, hitting the 102 mph mark with a 1,000 ton load, outstripping the competition put up by Pennsylvania and Chicago NorthWestern.



In 1962, the UP's #844 (the last of the series) was reconditioned and renumbered 8444. Currently, the 8444, which was never retired from service, has regained its original 844 number and now sports an all-black paint scheme. A featured engine at Railfair™ '99 in Sacramento, she remains an active national treasure for all railroading fans to enjoy, frequently providing motive power for railfan excursions.

M.T.H. is proud to present a scale model of this legendary engine. Our UP FEF 4-8-4 Northern Steam Engine provides realistic detail and the features listed.

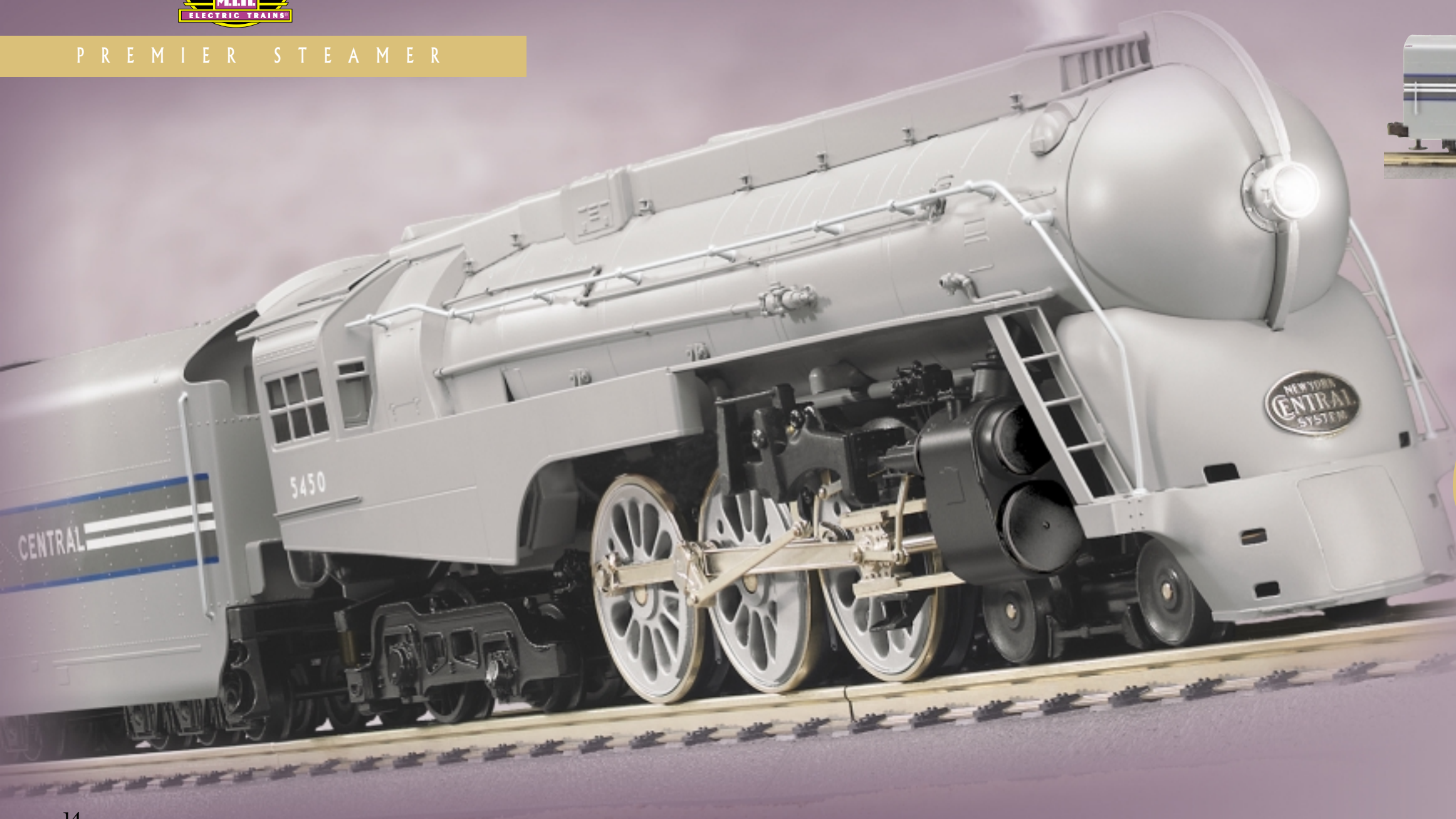
### FEATURES INCLUDE

- Die-Cast Boiler and Tender Bodies
- Constant Voltage Headlight
- Die-Cast Truck Sides
- Precision Pittman® Flywheel-Equipped Motor
- **Redesigned Remote Controlled Proto-Coupler®**
- Metal Handrails and Decorative Whistle
- Lighted Cab interior
- Metal Engineer and Fireman Figures
- **Redesigned Operating ProtoSmoke® System**
- Operates on O-54 Curves
- **All-New Proto-Sound® 2.0 with Digital Command System Featuring Passenger Station Proto-Effects™**
- Among the many exciting new features available with the new Digital Command System are
  - Variable Locomotive Speed Control
  - Variable Smoke Unit Output
  - Independent Light Control
  - Diagnostic Memory Features
  - Customizable, Downloadable Sounds
  - Simultaneous TMCC Operation
- Measures Approximately: 28 3/8" x 2 1/2" x 4"





PREMIER STEAMER



NEW



Add a New York Central 5-Car Passenger Set  
See Page 43

## New York Central 4-6-4 Dreyfuss Steam

As public interest in aerodynamics increased in the 1930s, the railroads faced pressure to be--or at least to look--faster and more modern. Their answer was the streamliner, a smooth cover for the utilitarian and bulky steam engine. Henry Dreyfuss's 1938 design for the New York Central's Hudson was undoubtedly the twentieth century's most successful effort at streamlining a steam engine. Rather than replicating the shroud-like drapes previous designers had used to cover, and try to disguise, the steam engines, Dreyfuss chose to work with the lines of the engine itself. He left most of the lower running gear exposed to make routine maintenance easier to



perform, and he kept the shape of the cover close to the engine's body. It was his elegant, sleek touches--the spherical front, covered domes, and extended tender--that gave this handsome streamliner its distinctively modern look and made it the symbol of the NYC, used in emblems and advertising for years to come.

M.T.H. introduces in our Premier line this prototypical scale model of Dreyfuss's famous Twentieth Century Limited. This streamlined 4-6-4 Hudson model accurately depicts realistic details, and the standard and optional features you have come to expect from M.T.H.

New York Central  
4-6-4 Dreyfuss Steam Engine  
Item No. 20-3045

\$899.95 . . . . . 20-3045-1 w/Proto-Sound® 2.0

### FEATURES INCLUDE

- Die-Cast Boiler and Tender
- Constant Voltage Headlight
- Die-Cast Truck Sides
- Real Coal Load
- Precision Pittman® Flywheel-Equipped Motor
- **Redesigned** Remote Controlled Proto-Coupler®
- Firebox Glow
- Driver Illumination Lights
- Metal Handrails and Decorative Whistle
- Lighted Cab interior
- Metal Engineer and Fireman Figures
- **Redesigned** Operating ProtoSmoke® System
- Operates on O-42 Curves
- **All-New** Proto-Sound® 2.0 with Digital Command System Featuring Passenger Station Proto-Effects™
- Among the many exciting new features available with the new Digital Command System are
  - Variable Locomotive Speed Control
  - Variable Smoke Unit Output
  - Independent Light Control
  - Diagnostic Memory Features
  - Customizable, Downloadable Sounds
  - Simultaneous TMCC Operation
- Measures Approximately:  
25 1/2" x 2 3/4" x 3 3/4"





Union Pacific  
3-Car Weed Sprayer Set  
Item No. 20-2251

\$379.95 . . . . .20-2251-1

### FEATURES INCLUDE

- 1 Sprayer Unit
- 2 Tank Cars

### SPRAYER UNIT FEATURES

- Operating Headlight
- 5 Operating Red Marker Lights
- 1 Flashing Light
- Interior Lighting
- Precision Flywheel-Equipped Motor
- **2 New** Remote Controlled Proto-Coupler®
- **All-New** Proto-Sound® 2.0 with Digital Command System Featuring Weed Killing Proto-Effects™

- The exciting new features available with the new Digital Command System are

- Variable Locomotive Speed Control
- Independent Light Control
- Diagnostic Memory Features
- Customizeable, Downloadable Sounds
- Simultaneous TMCC Operation
- Many, Many More

- Weed Sprayer Unit Measures Approximately:  
13 3/16" x 4 1/8" x 2 3/4"

- Each Tank Car Measures Approximately:  
10" x 3 1/2" x 2 3/8"



## PREMIER DIESEL



**NEW**

Milwaukee Road  
DL-110 Powered B Unit Diesel Engine  
Item No. 20-2222-3

\$229.95 . . . . .20-2222-3



**NEW**

Santa Fe  
DL-110 Powered B Unit Diesel Engine  
Item No. 20-2223-3

\$229.95 . . . . .20-2223-3

### FEATURES INCLUDE

- Durable ABS Body
- Stamped Metal Chassis
- Die-Cast Trucks with Metal Wheels, Axles, and Gears
- Die-Cast Fuel Tank
- Metal Couplers
- Operates on O-42 Track
- Stainless Steel Body Grills
- 2 Flywheel-Equipped Motors
- DCRU® Electronic Reverse Unit
- Measures Approximately:  
18 7/8" x 2 3/8" x 3 1/2"

## Weed Sprayer Set

Railroad vegetation control around the tracks has always been a difficult but essential task. Vegetation can pose dangers not only by limiting visibility but also by causing slippage when it gets on the tracks, holding in moisture that speeds deterioration of railroad equipment, and posing a fire hazard. Early on, railroads employed manual labor--men with sickles and saws--to do the backbreaking work. From there the railroads tried several other methods, including the risky move of burning the vegetation out. However, the real breakthrough came in the 1950s-60s when new spraying technology allowed the railroads a much more efficient means of controlling the weeds around their tracks. Although the herbicides used are often hazardous, they

prove, with the proper precautions mandated by law, to be the safest and most effective method to date. Some railroads contracted out their weed spraying chores, while others, like Union Pacific, built their own cars especially to handle the important job.

M.T.H. continues its commitment to offer model railroaders the wide variety of equipment necessary to make your layouts realistic. Add a touch of authenticity to your railroad with this essential piece of maintenance of way equipment. This self-powered 3-car Weed Sprayer Set includes the sprayer itself and two tank cars with hazardous materials warnings and comes complete with the list of features shown.

**NEW**



## DL-110 Powered B Unit Diesel Engine

After having put streamlined covers on their steam passenger locomotives, railroads were eager to order the newly available streamlined diesel engines, and locomotive shops competed for this new line of business. In 1940, Alco responded to Electro-Motive's plans to produce its first streamlined road passenger diesels (the E Units) by manufacturing its own twin engine 2000 horsepower unit, the DL-109. While many railroads simply used two DL-109s back-to-back, there was in fact a B-unit of the engine, also known as the DL-110. Like most B-units, these DL-110s did not have controls but were powered boxes, which added another 2,000 horsepower to the locomotive. The addition of the streamlined B-unit to the DL-109 not only doubled the

engine's power but also made for a long, sleek locomotive, which looked impressive and modern pulling its streamlined passenger consist.

The Milwaukee Road and Santa Fe were well known as extraordinary and colorful lines. The M.T.H. Premier Line DL-110 clearly reflects the characteristics of these historic roads with their beautiful paint schemes recreated on each powerful O Gauge locomotive. These DL-110 units will be the perfect and unique addition to the DL-109s already in your collection. Each engine comes equipped with the long list of features shown.





PREMIER DIESEL

## Genesis Diesel Engines

By the late 1980's, Amtrak was searching for a replacement for its outdated and aging fleet of F40PH and GP-40s. Weary of getting more locomotives that were really designed for freight operation, Amtrak searched for a new, lightweight, high-tech alternative. General Electric provided Amtrak with an answer with its unveiling of the "Genesis." Featuring a monocoque frame, advanced electronics, and special environmental and safety features, the Genesis represents the state-of-the-art in U.S. passenger service.



While GE officially designated these engines as model AMD-103 (for Amtrak Diesel-103 mph), they are popularly called the Genesis engine because they represent an entirely new stage in passenger locomotive technology. Forty-four of these 4,000 hp engines, numbered 800-843, were delivered between April and December 1993.

The M.T.H. Premier Line Genesis is as state-of-the-art as the original. We are especially proud to present the Genesis not only with Amtrak's own markings but also Amtrak #100 as it appears in the unique paint of the U.S. Postal Service's Celebrate the Century Express™, the train commemorating the Postal Service's long-lasting association with the railroad industry. Our scale reproduction of the Genesis prototype brings you everything you have come to expect from M.T.H. diesels, including the standard features listed.



Add a Matching Set of Amtrak Amfleet Cars - See Page 47



Add a Matching Set of Amtrak Amfleet Cars - See Page 47



Add United States Postal Service Commemorative Cars - See Page 35

Amtrak, 5-Stripe, Genesis Diesel Engine  
Item No. 20-2229

\$329.95 . . . . .20-2229-1 w/Proto-Sound® 2.0

Amtrak, 3-Stripe, Genesis Diesel Engine  
Item No. 20-2230

\$329.95 . . . . .20-2230-1 w/Proto-Sound® 2.0

United States Postal Service, Genesis Diesel Engine  
Item No. 20-2244

\$329.95 . . . . .20-2244-1 w/Proto-Sound® 2.0

### FEATURES INCLUDE

- Durable ABS Diesel body
- Metal Chassis
- Die-Cast Truck Sides, Pilots, and Undercarriage Details
- Operates on O-31 Track
- Directionally Controlled Headlights
- Illuminated Number Boards
- 2 Precision Flywheel-Equipped Motors
- **2 Redesigned Remote Controlled Proto-Couplers®**
- Lighted Cab Interior
- 2 Engineer Cab Figures
- **Redesigned Operating ProtoSmoke® System**
- Spinning Roof Fan
- Metal Grab Rails and Horn
- Stainless Steel Grills
- Lighted Marker Lights
- **All-New Proto-Sound® 2.0 with Digital Command System Featuring Passenger Station Proto-Effects™**
- Among the many exciting new features available with the new Digital Command System are
  - Variable Locomotive Speed Control
  - Variable Smoke Unit Output
  - Independent Light Control
  - Diagnostic Memory Features
  - Customizable, Downloadable Sounds
  - Simultaneous TMCC Operation
- Locomotive Measures Approximately:  
18 1/2" x 2 1/2" x 3 3/4"





PREMIER DIESEL



NEW



Union Pacific  
DC-3 Rail Inspection Car  
Item No. 20-2242

\$349.95 . . . . . 20-2242-1 w/Proto-Sound® 2.0

### FEATURES INCLUDE

- Directionally Controlled Headlights
- Intricately Detailed ABS Body
- Die-Cast Trucks, Pilots and Undercarriage Detail
- Operates on O-72 Track
- Metal Handrails and Decorative Horn
- Metal Chassis
- 2 Precision Flywheel-Equipped Motors
- All Metal Wheels and Gears
- Lighted Cab Interior
- **All-New** Proto-Sound® 2.0 with Digital Command System Featuring Freight Yard Proto-Effects™
- Among the many exciting new features available with the new Digital Command System are
  - Variable Locomotive Speed Control
  - Variable Smoke Unit Output
  - Independent Light Control
  - Diagnostic Memory Features
  - Customizable, Downloadable Sounds
  - Simultaneous TMCC Operation
- Measures Approximately: 19 5/8" x 2 1/2" x 4"

## Union Pacific DC-3 Rail Inspection Car

Like many railroads, Union Pacific maintained its own fleet of inspection cars, including rail detector cars, which use a magnetic induction method to check track for rail flaws. They checked each of the main lines three or four times a year and every branch at least once per year. Because these cars often stayed out for long stretches at a time, particularly during the summer months, UP DC-3 was remodeled in 1957 to include living quarters for its four-man crew.



M.T.H. presents this essential piece of non-revenue equipment in a 1:48 scale reproduction. With its authentic detail, it will add a touch of authenticity to any model railroad. Check your rails today!





PREMIER ELECTRIC



NEW

Add a Pennsylvania 5-Car Madison Passenger Set  
See Page 39

## Pennsylvania P5a Modified Electric

While the Pennsy P5a is often overshadowed by its famous peer, the GG-1, the P5a is a rugged and long-lasting locomotive in its own right. First planned and built in 1931 by a team consisting of PRR's electrical staff, General Electric, and Westinghouse, the P5 series continued to haul passenger and freight trains into the 1960s. The P5s were initially designed for passenger service, but the entire fleet of 92 P5s were eventually assigned to the freight pool. The streamlined modifieds were still sometimes used to power passenger consists when they were needed.



With 3,750 pounds of continuous horsepower and a short-term rating of 6,500 maximum hp, the P5a was an efficient source of power for the Pennsylvania Railroad. Its success as a reliable freight locomotive certainly made possible the PRR's extensive catenary empire, composed of approximately 2200 track miles.

M.T.H.'s scale reproduction of this unique and versatile engine will perform handsomely at the head of either a passenger or freight train on your own railroad. It comes complete with accurate detail and the features listed.

Pennsylvania  
P5a Modified Electric  
Item No. 20-5510

\$599.95 . . . . .20-5510-1 w/Proto-Sound® 2.0  
\$599.95 . . . . .20-5510-2 w/2-Rail

### FEATURES INCLUDE

- Directionally Controlled Headlights
- Intricately Detailed Die-Cast Body
- Die-Cast Trucks, Pilots and Undercarriage Detail
- **2 Redesigned** Remotely Controlled Proto-Couplers®
- Operates on O-42 Track
- Operating Metal Pantographs
- Metal Handrails and Decorative Horn
- Metal Chassis
- 2 Precision Flywheel-Equipped Motors
- All Metal Wheels and Gears
- Lighted Cab Interior
- 2 Engineer Cab Figures
- **All-New** Proto-Sound® 2.0 with Digital Command System Featuring Passenger Station Proto-Effects™
- Among the many exciting new features available with the new Digital Command System are
  - Variable Locomotive Speed Control
  - Independent Light Control
  - Diagnostic Memory Features
  - Customizeable, Downloadable Sounds
  - Simultaneous TMCC Operation
- Measures Approximately: 16 1/2" x 2 3/4" x 4"





PREMIER ELECTRIC



NEW

Milwaukee Road  
E-2 Bi-Polar Electric  
Item No. 20-5511

\$649.95 . . . . . 20-5511-1 w/Proto-Sound® 2.0  
\$649.95 . . . . . 20-5511-2 w/2-Rail

*Add a Milwaukee Road 5-Car Passenger Set  
See Page 43*

## Milwaukee Road E-2 Bi-Polar Electric

In 1919, as America celebrated the one-year anniversary of the end of World War I, General Electric was busily developing a group of powerful electric locomotives that would revolutionize the industry. The Bi-Polar Gearless Electrics were 76 feet long and weighed 265 tons. With their enormous power--they continuously produced 3,200 hp and a maximum starting tractive effort of 123,500 pounds--the Bi-Polars handily defeated a series of steam locomotives in the showing contests staged for them. At the then-staggering cost of \$200,000 each, however, many railroads found it too expensive to own large fleets of these engines. Milwaukee Road, closely iden-



tified with the Bi-Polars, owned only 15 of these engines, but they formed the backbone of the road's passenger service, powering trains over the mountainous western routes.

M.T.H. is proud to present a scale replica of the only surviving member of the Milwaukee Road's Bi-Polar fleet: the E-2. We are making this reproduction available in both 2-rail and the classic 3-rail versions. Our 3-rail engine with Proto-Sound 2.0 accurately reproduces the famous clang-clang of the bell and the high-pitched whistle associated with these almost silent engines.

### FEATURES INCLUDE

- Directionally Controlled Headlights
- Intricately Detailed Die-Cast Body
- Die-Cast Trucks, Pilots and Undercarriage Detail
- **2 Redesigned** Remotely Controlled Proto-Couplers®
- Operates on O-54 Track
- Operating Metal Pantographs
- Metal Handrails and Decorative Horn
- Metal Chassis
- 2 Precision Flywheel-Equipped Motors
- All Metal Wheels and Gears
- Lighted Cab Interior
- 2 Engineer Cab Figures
- **The 3-rail version comes with All-New Proto-Sound® 2.0 with Digital Command System Featuring Passenger Station Proto-Effects™**
- **Among the many exciting new features available with the new Digital Command System are**
  - Variable Locomotive Speed Control
  - Independent Light Control
  - Diagnostic Memory Features
  - Customizeable, Downloadable Sounds
  - Simultaneous TMCC Operation
- Measures Approximately: 20" x 2 1/2" x 4 1/4"





PREMIER DIESEL

# FM Trainmaster Diesel Engines

The Trainmaster, a name synonymous with model railroading and easily one of the most famous diesel locomotives ever to run the rails, began its life during World War II in Fairbanks Morse's Wisconsin shops. However, production was delayed for several years when first wartime submarine production then other projects intervened.

Fairbanks Morse saw an opportunity in the changing railroad market of the early 1950's, and the Trainmaster with its massive 2,400 horsepower opposed-piston engine burst upon the railroad world in 1953.

The H-24-66 (Hood, 2,400 hp, 6 motors, 6 axles) Trainmaster took the Railroad Manufacturers' Supply Association show where it premiered by storm. It racked up 32 orders for its first year of production. Ultimately 105 Trainmasters were sold to eight US railroads and another 22 engines were sold in Canada.

Featuring an all-metal chassis and two powerful, flywheel equipped motors, the M.T.H. Trainmaster is capable of pulling almost any consist. We offer the Trainmaster in the colors of the Southern Pacific and Virginian railroads, complete with the standard features listed.



Add a Virginian 6-Car Freight Set - See Page 37



Virginian, (Blue/Yellow)  
FM Trainmaster Diesel Engine  
Item No. 20-2231

\$329.95 . . . . .20-2231-1 w/Proto-Sound® 2.0

Virginian, (Black/Yellow)  
FM Trainmaster Diesel Engine  
Item No. 20-2232

\$329.95 . . . . .20-2232-1 w/Proto-Sound® 2.0

Southern Pacific  
FM Trainmaster Diesel Engine  
Item No. 20-2233

\$329.95 . . . . .20-2233-1 w/Proto-Sound® 2.0

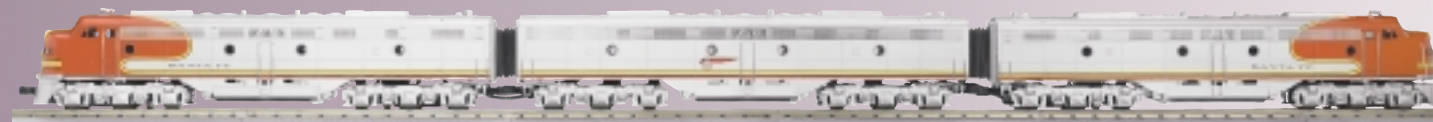
## FEATURES INCLUDE

- Directionally Controlled Headlights
- Durable ABS Diesel Body
- Die-Cast Trucks, Pilots and Fuel Tank
- **2 Redesigned Remote-Controlled Proto-Couplers®**
- Operates on O-31 Track
- **Redesigned Operating ProtoSmoke® System**
- Metal Handrails and Horn
- Metal Chassis
- 2 Precision Flywheel-Equipped Motors
- All Metal Gears
- Lighted Cab Interior
- 2 Engineer Cab Figures
- **All-New Proto-Sound® 2.0 with Digital Command System Featuring Freight Yard Proto-Effects™**
- Among the many exciting new features available with the new Digital Command System are
  - Variable Locomotive Speed Control
  - Variable Smoke Unit Output
  - Independent Light Control
  - Diagnostic Memory Features
  - Customizable, Downloadable Sounds
  - Simultaneous TMCC Operation
- Measures Approximately: 15" x 2 1/2" x 3 3/4"





PREMIER DIESEL



Add a Santa Fe 5-Car Passenger Set - See Page



Add an Illinois Central 5-Car Passenger Set - See Page 43



Add an Erie 5-Car Passenger Set - See Page 43

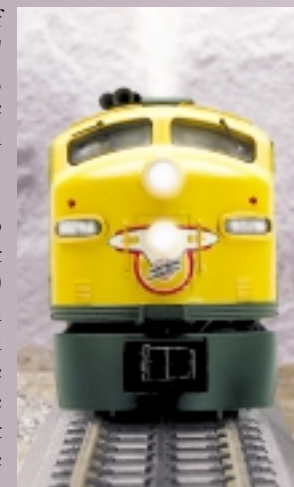


Add a Chicago Northwestern 5-Car Passenger Set - See Page

## E-8 ABA Diesel Engine Sets

Built in the early 50s, the E-8 was one of the most popular of EMD's Diesel "E" Series locomotives. The E-8 was, in fact, one of the last locomotives to sport the streamlined "Bulldog" nose first seen on EMD's E and F units of the 1940s.

The 6,750 horsepower 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 many railroads to transition from the streamlined beauty of the E-8 to the more utilitarian general-purpose locomotives that dominated the railroad landscape for the next 20 years.



The E-8 returns to the M.T.H. Premier line-up in four outstanding paint schemes: Santa Fe, Chicago NorthWestern, Erie, and Illinois Central. Each engine will look right at home pulling matching passenger cars on any O Gauge layout--no matter how steep the grade--thanks to the four motors found inside the two powered A Units. In addition to the four-motor power, the 2000 E-8 ABA sets feature incredible detail, including spinning roof fans, opening cab doors, separate metal handrails, illuminated number boards and lighted marker lights. They come equipped with the other standard features listed.

Santa Fe, E-8 ABA Diesel Engine Set  
Item No. 20-2234

\$649.95 . . . . .20-2234-1 w/Proto-Sound® 2.0

Illinois Central, E-8 ABA Diesel Engine Set  
Item No. 20-2235

\$649.95 . . . . .20-2235-1 w/Proto-Sound® 2.0

Erie, E-8 ABA Diesel Engine Set  
Item No. 20-2236

\$649.95 . . . . .20-2236-1 w/Proto-Sound® 2.0

Chicago Northwestern, E-8 ABA Diesel Engine Set  
Item No. 20-2237

\$649.95 . . . . .20-2237-1 w/Proto-Sound® 2.0

### FEATURES INCLUDE

- Directionally Controlled Headlights
- Intricately Detailed ABS Bodies
- Die-Cast Trucks, Pilots and Fuel Tanks
- Two **Redesigned** Remotely Controlled Proto-Couplers® on Each ABA Set
- Operates On O-31 Track
- Metal Handrails and Decorative Horn
- Spinning Roof Fans
- Opening Cab Doors
- Illuminated Number Boards
- Lighted Marker Lights
- **Redesigned** Operating ProtoSmoke® System
- Metal Chassis
- 2 Precision Flywheel-Equipped Motors in Each A Unit
- All Metal Wheels and Gears
- Lighted Cab Interior
- 2 Engineer Cab Figures in Each A Unit
- **All-New** Proto-Sound® 2.0 with Digital Command System Featuring Passenger Station Proto-Effects™
- Among the many exciting new features available with the new Digital Command System are
  - Variable Locomotive Speed Control
  - Variable Smoke Unit Output
  - Independent Light Control
  - Diagnostic Memory Features
  - Customizable, Downloadable Sounds
  - Simultaneous TMCC Operation
- ABA Set Measures Approximately:  
54 7/8" x 2 1/2" x 3 5/8"





PREMIER DIESEL

# FA-2 ABA Diesel Engine Sets

The original FA-2 prototype generated the equivalent of 1600 horsepower with its twelve cylinder 244 engine. First built by Alco in the early 1950s, the FA-2 Locomotive Engine is characterized by its flatnose cabs and its Alco-GE grille seen around the headlight. The FA-2 prototype was 53 feet 6 inches long, a couple of feet longer than the FA-1. This additional length allowed for a steam generator compartment at the rear of the second A-unit.

The original FB-2 Locomotive Booster prototype was a cab-less unit that matched its counterpart's 1600 horsepower. The FB-2 unit is distinguished by its B-B wheel arrangement and the location of its radiator shutters and fan, which are found considerably forward of the car body. The original FB-2 was 52 feet 8 inches long. The FB-2s, like the FB-1s, are built to allow room for a steam generator in the space where a cab is located in the A units.



The M.T.H. Premier FA-2 Diesel sets are available in the classic ABA arrangement proudly wearing the markings of a variety of roadnames:

Baltimore and Ohio, Canadian National, Great Northern, Lehigh Valley, and New Haven. They come equipped with the quality features listed that you have come to expect from the M.T.H. Premier line.

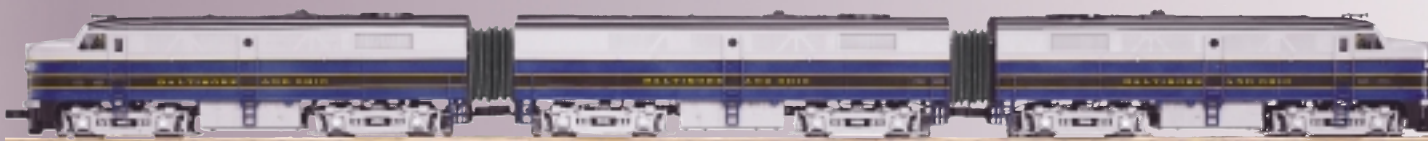


NEW



Add a New Haven 6-Car Freight Set - See Page

NEW



Add a Baltimore & Ohio 6-Car Freight Set - See Page 36

NEW



Add a Great Northern 6-Car Freight Set - See Page 37

NEW



Add a Lehigh Valley 6-Car Freight Set - See Page 37

NEW



Add a Canadian National 6-Car Freight Set - See Page 37

New Haven, FA-2 ABA Diesel Engine Set  
Item No. 20-2238

\$599.95 . . . . .20-2238-1 w/Proto-Sound® 2.0

Baltimore & Ohio, FA-2 ABA Diesel Engine Set  
Item No. 20-2239

\$599.95 . . . . .20-2239-1 w/Proto-Sound® 2.0

Great Northern, FA-2 ABA Diesel Engine Set  
Item No. 20-2240

\$599.95 . . . . .20-2240-1 w/Proto-Sound® 2.0

Lehigh Valley, FA-2 ABA Diesel Engine Set  
Item No. 20-2241

\$599.95 . . . . .20-2241-1 w/Proto-Sound® 2.0

Canadian National, FA-2 ABA Diesel Engine Set  
Item No. 20-2243

\$599.95 . . . . .20-2243-1 w/Proto-Sound® 2.0

## FEATURES INCLUDE

- Directionally Controlled Headlights
- Intricately Detailed ABS Bodies
- Die-Cast Truck Sides, Pilots, and Fuel Tanks
- 2 **Redesigned Remote-Control Proto-Couplers®**
- Colorful Paint Schemes
- Operates on O-31 Track
- Metal Chassis
- Metal Handrails and Decorative Horn
- 2 Precision Flywheel-Equipped Motors in Each A Unit
- All Metal Wheels and Gears
- Lighted Cab Interior
- Illuminated Marker Boards
- Lighted Marker Lights
- 2 Engineer Cab Figures in Each A Unit
- **All-New Proto-Sound® 2.0 with Digital Command System Featuring Freight Yard Proto-Effects™**
- Among the many exciting new features available with the new Digital Command System are
  - Variable Locomotive Speed Control
  - Independent Light Control
  - Diagnostic Memory Features
  - Customizable, Downloadable Sounds
  - Simultaneous TMCC Operation
- ABA Set Measures Approximately:  
39 3/4" x 2 1/2" x 3 3/4"





PREMIER DIESEL

Add an Additional B Unit



New York Central, Alco PB Powered B Unit  
Item No. 20-2025-3 \$229.95  
Item No. 20-2025-5, 2-Rail \$229.95



Pennsylvania - Red 5, Alco PB Powered B Unit  
Item No. 20-2026-3 \$229.95  
Item No. 20-2026-5, 2-Rail \$229.95



Southern, Alco PB Powered B Unit  
Item No. 20-2027-3 \$229.95  
Item No. 20-2027-5, 2-Rail \$229.95



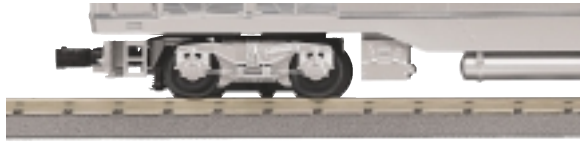
Santa Fe, Alco PB Powered B Unit  
Item No. 20-2031-3 \$229.95  
Item No. 20-2031-5, 2-Rail \$229.95



Union Pacific, Alco PB Powered B Unit  
Item No. 20-2028-3 \$229.95  
Item No. 20-2028-5, 2-Rail \$229.95



Southern Pacific, Alco PB Powered B Unit  
Item No. 20-2029-3 \$229.95  
Item No. 20-2029-5, 2-Rail \$229.95



Wabash, Alco PB Powered B Unit  
Item No. 20-2030-3 \$229.95  
Item No. 20-2030-5, 2-Rail \$229.95

Alco PB Powered B Unit

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

The Alco PA Diesel is one of the most beautiful locomotives ever to run the rails in its own right, but the addition of a B unit (also known as a PB) enhances the good looks and lengthens the sleek lines of this long, handsome engine. With its steam generator located in the front of the unit (as opposed to the rear location on the PAs), the PB added an additional 2,000 horsepower to the locomotive. Like most B units, the Alco PBs were essentially powered boxes without controls of their own, but when attached to a PA, they doubled the horsepower of the locomotive. The PA and PB units were produced between 1946-53 and powered such famous name trains as the Rio Grande's California Zephyr, the Santa Fe's El Capitan, and the New York Central's Pacemaker.

MTH now allows you to put your own PB diesel to the same use as the prototypes. Our powered B units will add power to your existing PAs, allowing you to pull longer consists. We offer this beautiful diesel unit in both 2- and 3-rail versions and in a wide variety of paint schemes designed to match those on the PA units we produced as far back as 1994. You can add them to a PA AA or ABA configuration to achieve the classic ABA line-up or simply hook it to one PA to provide a longer line in front of your streamlined passenger cars. The PB unit comes with the features listed.

FEATURES INCLUDE

- Durable ABS Body
- Stamped Metal Chassis
- Die-Cast Trucks with Metal Wheels, Axles, and Gears
- Die-Cast Fuel Tank
- Metal Couplers
- Operates on O-31 Track
- Stainless Steel Body Grills
- 2 Flywheel-Equipped Motors
- DCRU® Electronic Reverse Unit



O-SCALE ROLLING STOCK



O-31 St. Louis Gateway Route 40' Box Car  
O-31 Corn Belt Route Steel Sided Stock Car  
O-31 Moffat Tunnel Route 4-Bay Hopper

Union Pacific  
Merger Series Freight Car Set  
Item No. 20-90008 \$99.95



O-31 TP&W Box Car  
O-31 ATSF Tank Car  
O-31 BN 3-Bay Cylindrical Hopper

BNSF  
Merger Series Freight Car Set  
Item No. 20-90025 \$99.95

Merger Series Freight Sets

Continuing a tradition started in 1999, the year 2000 finds additions to MTH's Merger Series Freight Car Sets. This on-going series will cover the many mergers that America's railroads have been involved in over the years, allowing you both to collect entire family trees and to enjoy cars from railroads that are rarely modeled. Each series will span several catalogs, depending on how many railroads were swallowed up as they merged to become one large railroad. At this edition, we feature parts of the Burlington Northern Santa Fe, and Union Pacific mergers.

FEATURES INCLUDE

- Durable, intricately Detailed ABS Bodies
- 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
- Fast-Angle Wheel Sets
- Needle-Point Axles
- Sliding Box Car Doors
- Stamped Metal Floors (on most cars)
- 1:48 Scale Dimensions





## O-Scale Rolling Stock

Simply put, no other O Gauge manufacturer has released the variety of rolling stock found in the MTH Premier Line. If you want to create or enhance a model railroad with exciting, realistic rolling stock, look no further than MTH Electric Trains.

MTH Premier Line Freight Cars feature precision molded ABS plastic bodies mounted atop die-cast, sprung trucks\* with operating metal couplers. Each truck features needle-point axles and fast-angle metal wheels for a smooth-rolling, quiet ride. Each intricately detailed body sports an attractive paint scheme and detailed graphics that are bound to make these MTH Premier Scale Freight Cars stand out amongst your roster.

In fact, at MTH, our designers are always searching for new ways to add more detail to our rolling stock. You'll find that all our Premier Line Caboosees now feature additional detail components like car interiors and separate metal handrails for even further realism.

### FEATURES INCLUDE

- Durable ABS intricately Detailed 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 Cab Car Doors
- Stamped Metal Floors (on most cars)
- 1:48 Scale Dimensions

\* Excluding some cabooses



O-31  
McDonald's, Tank Car  
Item No. 20-96021 \$42.95



O-31  
NASA, Tank Car  
Item No. 20-96020 \$42.95



O-42  
Chessie, 100 Ton Hopper Car  
Item No. 20-97420 \$44.95



O-42  
Santa Fe, 100 Ton Hopper Car  
Item No. 20-97421 \$44.95



O-31  
Chicago Northwestern, Flat Car w/40' Trailer - CNW  
Item No. 20-98118 \$49.95



O-31  
Baltimore & Ohio, Flat Car w/48' Trailer - B&O Trailer Service  
Item No. 20-98115 \$49.95



O-31  
Norfolk Southern, Flat Car w/48' Trailer - NS Triple Crown  
Item No. 20-98116 \$49.95



O-31  
Santa Fe, Flat Car w/40' Trailer - ATSF  
Item No. 20-98117 \$49.95

Perfect Complement for the USPS Genesis Diesel - See Page 19



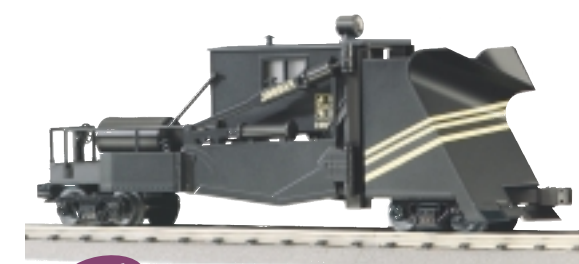
O-31  
USPS #1  
Box Car - USPS Century Series #1  
Item No. 20-93039 \$42.95

O-31  
USPS #2  
Box Car - USPS Century Series #2  
Item No. 20-93040 \$42.95

O-31  
USPS #3  
Box Car - USPS Century Series #3  
Item No. 20-9304 \$42.95



O-31  
Delaware & Hudson, Jordan Spreader  
Item No. 20-98242 \$69.95



O-31  
Santa Fe, Jordan Spreader  
Item No. 20-98243 \$69.95



O-27  
Lehigh Valley, Snow Plow  
Item No. 20-98244 \$59.95



O-27  
Northern Pacific, Snow Plow  
Item No. 20-98245 \$59.95



O-31  
CSX, Coal Porter Hopper Car  
Item No. 20-97419 \$42.95



# 6-Car Freight Sets



Union Pacific, 6-Car Freight Set  
Item No. 20-90022 \$229.95

- O-54 20K Gal. 4-Compartment Tank Car
- O-42 50' Double Door Box Car
- O-54 Corrugated Auto Carrier
- O-31 Coalporter Hopper Car
- O-31 Rapid Discharge Hopper
- O-27 Steel Caboose



Union Pacific, 6-Car Freight Set  
Item No. 20-90023 \$229.95

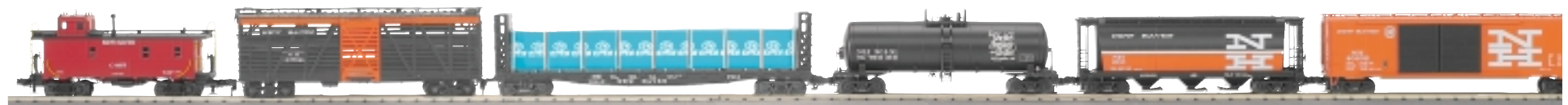
- O-27 4-Bay Hopper w/ Coal
- O-31 B-2 Hopper
- O-42 Flat Car w/ 20' trailer
- O-42 4-Bay Cylindrical Hopper
- O-27 Tank Car
- O-31 50' Waffle Box Car



Baltimore & Ohio, 6-Car Freight Set  
Item No. 20-90026 \$229.95

- O-31 Box Car
- O-27 Tank Car
- O-42 Gondola w/ Junk
- O-42 Flat Car w/ Trailers
- O-31 4-Bay Hopper
- O-27 Bay Window Caboose

Perfect Complement for Baltimore & Ohio FA-2 Diesel Set - See Page 31



New Haven, 6-Car Freight Set  
Item No. 20-90027 \$229.95

- O-27 50' Double Door Box Car
- O-31 3-Bay Cylindrical Hopper
- O-27 Tank Car
- O-42 Flat Car w/ Bulkheads
- O-31 Stock Car
- O-27 Steel Caboose

Perfect Complement for New Haven FA-2 Diesel Set - See Page 31



Great Northern, 6-Car Freight Set  
Item No. 20-90028 \$229.95

- O-31 Box Car
- O-42 Gondola w/ Cover
- O-31 Reefer
- O-42 100 Ton Hopper Car
- O-31 Coil Car
- O-27 Extended Vision Caboose

Perfect Complement for Great Northern FA-2 Diesel Set - See Page 31



Canadian National, 6-Car Freight Set  
Item No. 20-90029 \$229.95

- O-31 Box Car
- O-31 Reefer Car
- O-42 Flat Car w/ Logs
- O-27 Tank Car
- O-31 3-Bay Cylindrical Hopper
- O-27 Extended Vision Caboose

Perfect Complement for Canadian National FA-2 Diesel Set - See Page 31



Lehigh Valley, 6-Car Freight Set  
Item No. 20-90030 \$229.95

- O-31 50' Box Car
- O-42 Gondola w/ Junk
- O-42 Flat Car w/ 40' Trailer
- O-31 3-Bay Cylindrical Hopper
- O-31 4-Bay Hopper w/ Coal
- O-27 Steel Caboose

Perfect Complement for Lehigh Valley FA-2 Diesel Set - See Page 31



Hillcrest Lumber Co., 6-Car Freight Set  
Item No. 20-98119 & 98120 \$229.95 (per set)  
Both sets numbered differently

- O-42 Flat Car Set w/ Logs

Perfect Complement for Hillcrest Lumber Co. Climax Steamer - See Page 11



Virginian, 4-Bay Hopper 6-Car Freight Set  
Item No. 20-97063 \$229.95

- O-31 4-Bay Hopper

Perfect Complement for Virginian FM Trainmaster Diesels - See Page 27





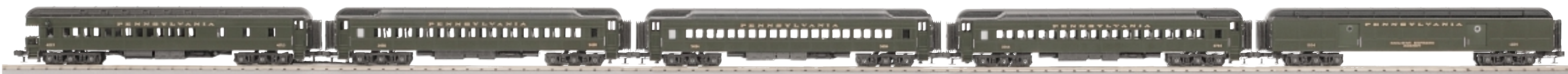
## MADISON PASSENGER SETS

### Madison Passenger

Over the years, M.T.H. has captured many beautiful paint schemes in our Madison passenger sets. Each two-car or five-car set features attractively decorated passenger cars with undercarriage detail, interior seating, overhead lighting, and rubber end-of-car diaphragms. The cars' durably constructed ABS bodies sit atop die-cast metal trucks with operating metal couplers. Each car measures approximately 18" in length.

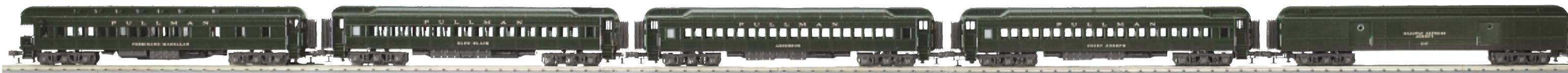
#### FEATURES INCLUDE

- Durable ABS Intricately Detailed Bodies
- Detailed Seat Interiors With Overhead Lighting
- Die-Cast 6-Wheel Trucks
- Operating Die-Cast Metal Couplers
- Colorful, Attractive Paint Schemes
- Operates On O-42 Curves
- 5-Car Sets Feature 1 Baggage, 3 Coaches & 1 Observation Car
- 2-Car Sets Feature 1 Combine and 1 Diner Car
- Decorative Brake Wheels
- Separate Metal Handrails
- Fast-Angle Wheel Sets
- Needle-Point Axles
- Sliding Baggage Car Doors
- Undercarriage Detail
- Each Car Measures: 18 1/8" x 2 1/2" x 3 5/8"

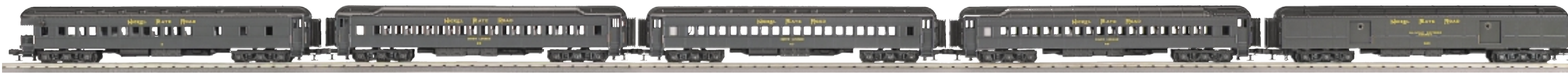


*Pennsylvania, 5-Car 70' Madison Passenger Set*  
Item No. 20-4032 \$249.95

*Perfect Complement Pennsylvania P5A Electric Locomotive - See*



*Pullman, 5-Car 70' Madison Passenger Set*  
Item No. 20-4033 \$249.95

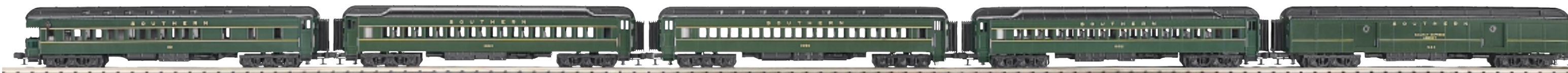


*Nickel Plate Road Road, 5-Car 70' Madison Passenger Set*  
Item No. 20-4034 \$249.95

*Perfect Complement for 1999 Nickel Plate Road 2-8-4 Berkshire Seamer*



*Lehigh Valley, 5-Car 70' Madison Passenger Set*  
Item No. 20-4035 \$249.95



*Southern, 5-Car 70' Madison Passenger Set*  
Item No. 20-4036 \$249.95

*Perfect Complement for 1994 Southern 4-6-2 PS-4 Steamer*





MADISON PASSENGER SETS



Pennsylvania, 2-Car 70' Madison Comb/Din Passenger Set  
Item No. 20-4132 \$99.95



Pullman, 2-Car 70' Madison Comb/Din Passenger Set  
Item No. 20-4133 \$99.95



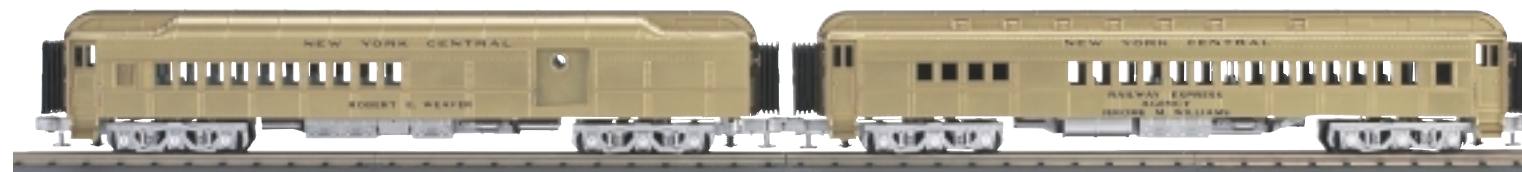
Nickel Plate Road, 2-Car 70' Madison Comb/Din Passenger Set  
Item No. 20-4134 \$99.95



Lehigh Valley, 2-Car 70' Madison Comb/Din Passenger Set  
Item No. 20-4135 \$99.95



Southern, 2-Car 70' Madison Comb/Din Passenger Set  
Item No. 20-4136 \$99.95



Millennium, 2-Car 70' Madison Comb/Din Passenger Set  
Item No. 20-4129 \$199.95

18k Gold Plated Finish with Platinum Rhodium Trim



Baltimore & Ohio, 4-Car 60' Aluminum Passenger Set- Ribbed  
Item No. 20-6022 \$299.95



Santa Fe, 4-Car 60' Aluminum Passenger Set- Ribbed  
Item No. 20-6023 \$299.95

## 4- Car Aluminum Passenger Sets

Remember the model railroads of yesteryear with these traditional 60-foot aluminum passenger cars. These beautiful 4-car passenger sets sport the distinctive styling that has made streamlined cars so popular over the years, and their old-fashioned extruded aluminum construction will bring a flood of nostalgia to everyone who loved model trains as a child. They are color-matched to go with our modern, powerful locomotives, giving you the best of both worlds. Each car features the same quality die-cast trucks that are standard on all our aluminum passenger cars. These trucks are outfitted with operating metal couplers, fast-angle wheels, and needle-point axles for a smooth, quiet ride.

### FEATURES INCLUDE

- Die-Cast 4-Wheel Trucks
- Operating Die-Cast Couplers
- Fast-Angle Wheels
- Needle-Point Axles
- Silhouette Window Strips
- Two 3rd Rail Pick-ups per Car
- Operates on O-31 Track
- 2 Interior Bulbs per Car
- 4-Car Sets Include 1 Baggage Car, 1 Coach, 1 Vista Dome, and 1 Observation Car
- Measures Approximately: 15" x 2 1/2" x 3 3/8"





## STREAMLINED PASSENGER SETS

It's hard to match the fun and beauty of a long, sleek passenger train speeding down the rails. Regardless of the roadname, colorful matching passenger cars and locomotives are what make running passenger trains so much fun.

M.T.H. streamlined passenger sets offer unsurpassed detail, fit, finish and value for the O Gauge passenger car lover. Exceptional interior and exterior detail at affordable prices simply cannot be found elsewhere. Featuring undercarriage detail, interior seating, overhead car lighting and rubber end-of-car diaphragms, these passenger cars can be found in single, 2-car and 5-car configurations. Each car, measuring approximately 19 inches in length, sits atop die-cast metal trucks and features operating metal couplers.

### FEATURES INCLUDE

- Durable ABS Intricately Detailed Bodies
- Detailed Seat Interiors With Overhead Lighting
- Die-Cast 4-Wheel Trucks
- Operating Die-Cast Metal Couplers
- Colorful, Attractive Paint Schemes
- Operates on O-42 Curves
- 5-Car Sets Feature 1 Baggage, 2 or 3 Coaches or Vista Domes & 1 Observation Car
- 2-Car Sets Feature 1 Sleeper and 1 Diner Car
- 2-Car Amfleet Sets Feature 1 Coach and 1 Cafe Car
- Decorative Brake Wheels
- Separate Metal Handrails
- Fast-Angle Wheel Sets
- Needle-Point Axles
- Sliding Baggage Car Doors
- Undercarriage Detail
- Each Car Measures: 19" x 2 1/2" x 3 3/8"



Milwaukee Road, 5-Car 70' ABS Passenger Set - - Smooth  
Item No. 20-6552 \$249.95

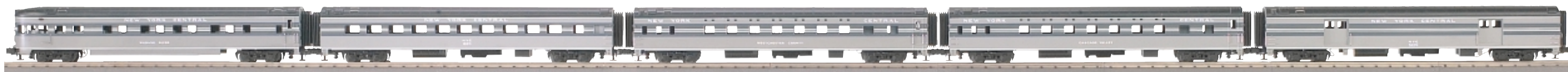


Santa Fe, 5-Car 70' ABS Passenger Set - - Ribbed  
Item No. 20-6543 \$249.95



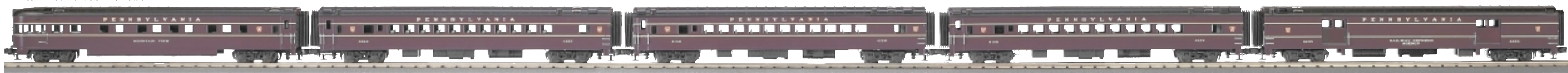
Union Pacific, 5-Car 70' ABS Passenger Set - - Smooth  
Item No. 20-6553 \$249.95

*Perfect Complement for the Union Pacific FEF Steamer - See Page 13*



New York Central, 5-Car 70' ABS Passenger Set - - Smooth  
Item No. 20-6554 \$249.95

*Perfect Complement for the New York Central Dreyfuss Steamer - See Page 15*



Pennsylvania, 5-Car 70' ABS Passenger Set - - Smooth  
Item No. 20-6557 \$249.95

*Perfect Complement for the 2000 Pennsylvania T-1 Steamer*



Erie, 5-Car 70' ABS Passenger Set - - Smooth  
Item No. 20-6560 \$249.95

*Perfect Complement for the Erie E-8 Diesel Set - See Page 29*



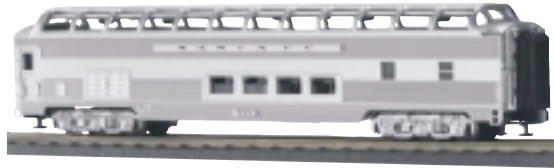
Illinois Central, 5-Car 70' ABS Passenger Set - - Smooth  
Item No. 20-6561 \$249.95

*Perfect Complement for the Illinois Central E-8 Diesel Set - See Page*





Santa Fe, 2-Car 70' ABS Slpr/Diner Passenger Set - Ribbed  
Item No. 20-6643 \$99.95



Santa Fe  
70' ABS Full Length Vista Dome Passenger Car - - Ribbed  
Item No. 20-6743 \$59.95



Chessie, 2-Car 70' ABS Slpr/Diner Passenger Set - Ribbed  
Item No. 20-6649 \$99.95



Chessie  
70' ABS Full Length Vista Dome Passenger Car - - Ribbed  
Item No. 20-6749 \$59.95



California Zephyr, 2-Car 70' ABS Slpr/Diner Passenger Set - Ribbed  
Item No. 20-6645 \$99.95



California Zephyr  
70' ABS Full Length Vista Dome Passenger Car - - Ribbed  
Item No. 20-6745 \$59.95



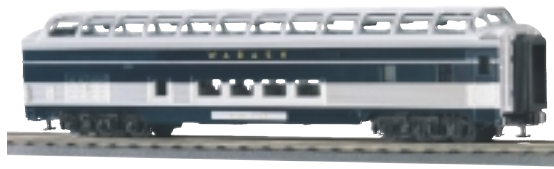
Great Northern, 2-Car 70' ABS Slpr/Diner Passenger Set - Ribbed  
Item No. 20-6651 \$99.95



Great Northern  
70' ABS Full Length Vista Dome Passenger Car - - Ribbed  
Item No. 20-6751 \$59.95



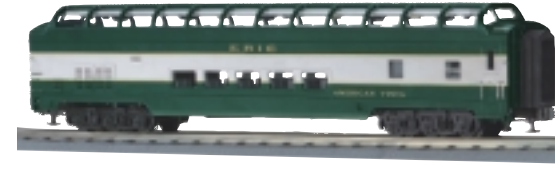
Wabash, 2-Car 70' ABS Slpr/Diner Passenger Set - Ribbed  
Item No. 20-6646 \$99.95



Wabash  
70' ABS Full Length Vista Dome Passenger Car - - Ribbed  
Item No. 20-6746 \$59.95



Erie, 2-Car 70' ABS Slpr/Diner Passenger Set - Smooth  
Item No. 20-6660 \$99.95



Erie  
70' ABS Full Length Vista Dome Passenger Car - - Smooth  
Item No. 20-6760 \$59.95



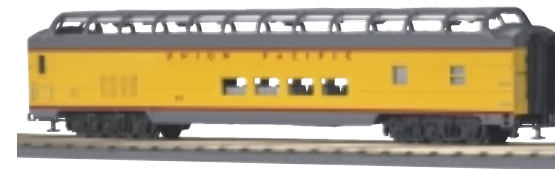
Canadian Pacific, 2-Car 70' ABS Slpr/Diner Passenger Set - Ribbed  
Item No. 20-6647 \$99.95



Canadian Pacific  
70' ABS Full Length Vista Dome Passenger Car - - Ribbed  
Item No. 20-6747 \$59.95



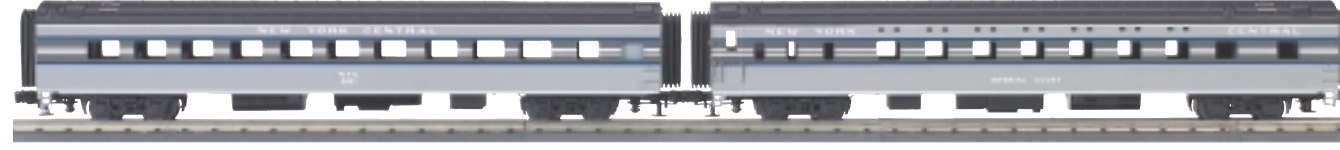
Union Pacific, 2-Car 70' ABS Slpr/Diner Passenger Set - Smooth  
Item No. 20-6653 \$99.95



Union Pacific  
70' ABS Full Length Vista Dome Passenger Car - - Smooth  
Item No. 20-6753 \$59.95



Pennsylvania, 2-Car 70' ABS Slpr/Diner Passenger Set - Ribbed  
Item No. 20-6657 \$99.95



New York Central, 2-Car 70' ABS Slpr/Diner Passenger Set - Smooth  
Item No. 20-6654 \$99.95





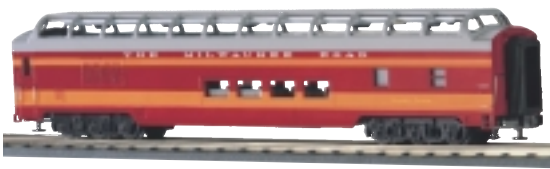
Florida East Coast, 2-Car 70' ABS Slpr/Diner Passenger Set - Ribbed  
Item No. 20-6650 \$99.95



Florida East Coast  
70' ABS Full Length Vista Dome Passenger Car - - Smooth  
Item No. 20-6750 \$59.95



Milwaukee Road, 2-Car 70' ABS Slpr/Diner Passenger Set - Ribbed  
Item No. 20-6652 \$99.95



Milwaukee Road  
70' ABS Full Length Vista Dome Passenger Car - - Ribbed  
Item No. 20-6752 \$59.95



Amtrak, 2-Car 70' ABS Slpr/Diner Passenger Set - Ribbed  
Item No. 20-6648 \$99.95



Amtrak  
70' ABS Full Length Vista Dome Passenger Car - - Ribbed  
Item No. 20-6737 \$59.95



Amtrak, 2-Car Amfleet Passenger Set - 5 Stripe  
Item No. 20-6656 \$99.95



Amtrak, 2-Car Amfleet Passenger Set - 3 Stripe  
Item No. 20-6655 \$99.95



Chicago NorthWestern, 4-Car Scale Bi-Level Passenger Set  
Item No. 20-6558  
\$249.95

Perfect Complement for the Chicago Northwestern E-8 Diesel Set - See Page 29



METRA, 4-Car Scale Bi-Level Passenger Set  
Item No. 20-6559  
\$249.95

Perfect Complement for the 1997 Metra F40ph Diesel



Amtrak, 4-Car Amfleet Passenger Set - Amtrak 3-Stripe  
Item No. 20-6555  
\$199.95

Perfect Complement for the Amtrak Genesis Diesel - See Page 19



Amtrak, 4-Car Amfleet Passenger Set - 5 Stripe  
Item No. 20-6556  
\$199.95

Perfect Complement for the Amtrak Genesis Diesel - See Page 19

## 4-Car Bi-Level and Amfleet Passenger Sets

When Amtrak was formed in the early 1970s, its fleet of old streamlined cars had been culled from the passenger lines it was formed to replace. These aging cars eventually needed replacement, prompting Amtrak to commission a program to build a new "Amfleet" class of cars. The completed class featured two different styles of Amfleet cars, providing both coach and dining service. The typical consist usually included one food service car and several coaches.

When commuter railways began to replace their aging conventional commuter coaches, many opted to increase seating capacity by buying the double-deck gallery cars known as Bi-Level Cars. Engineering cabs on some of the cars allowed them to be used in push-pull service, so there was no need to turn the locomotive around at the end of a run.

### FEATURES INCLUDE

- Die-Cast 4-Wheel Trucks
- Operating Metal Couplers
- Interior Detail in Passenger Cars
- Each Passenger Car Features Overhead Lighting
- Operates on O-42 Curves
- Undercarriage Detail
- Each 4-Car Amfleet Set Includes 3 Coaches and 1 Diner
- Each 2-Car Amfleet Set Includes 2 Coaches
- Each 4-Car Bi-Level Set Includes 3 Gallery Suburban Coaches and 1 Coach with a Control Cab
- Each Amfleet Car Measures Approximately: 19" x 2 1/2" x 3 1/4"
- Each Bi-Level Car Measures Approximately: 19" x 2 1/2" x 3 7/8"





PREMIER ACCESSORIES



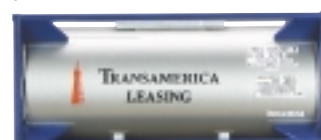
20' Container Set  
Item No. 20-95037 \$24.95



20' Container Set  
Item No. 20-95041 \$24.95



Tank Container Set  
Item No. 20-95044 \$24.95



Norfolk & Western, Auxiliary Water Tender II  
Item No. 20-3046 \$249.95

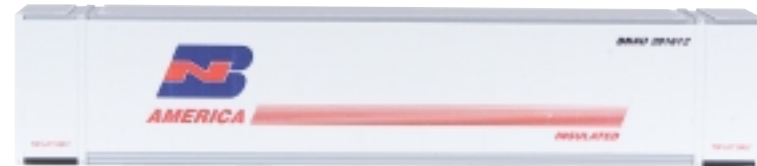
Adding a full scale die-cast water tender behind your Premier Line Norfolk & Western J, or Y6b, or Class A makes a great way to complete the prototypical look of any of these engines. Quality constructed of die-cast metal and featuring die-cast trucks with Proto-Coupler®, each tender is equipped with a plug-in harness that makes hooking up your Proto-Coupler® to any Proto-Sound® unit inside your J, Y6b, or Class A tender a snap.



Junk Load  
Item No. 20-30001 \$4.95



40' Container Set  
Item No. 20-95042 \$29.95



48' Container Set  
Item No. 20-95043 \$34.95



PREMIER SCALETRAX™



ScaleTrax™ by M.T.H. Electric Trains is the ultimate track layout solution for which detail-oriented scale 3-rail model railroaders are searching. No longer will an O Gauge modeler have to accept the “tubular” track look because ScaleTrax™ offers maximum accuracy and the exceptional quality of MTH products. They are perfect for your authentic looking layout.

Each ScaleTrax™ track section features two solid extruded authentically profiled Nickel Silver rails and one inconspicuous solid extruded center rail - all affixed to accurately sized and spaced track ties. No longer will your consists ride too high off the ground. Best of all, the end-of-rail electrical connectors come pre-welded to the underside of each section. There simply is no need to plug in your soldering iron when using ScaleTrax™.

Whether assembling your first layout, adding to a present layout, or replacing your old track, ScaleTrax™ is the most rugged, realistic, scale proportioned, easy-to-use 3-rail scale O-gauge track system available.

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

FEATURES INCLUDE

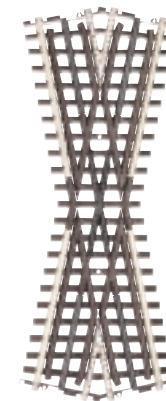
- Solid Nickel-Silver Rails
- Low Profile Appearance With “Near Scale” Proportions
- Molded-In Track Section Connections For Easy Assembly



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



ScaleTrax™  
15" Uncoupling Track  
Item No. 45-1035 \$3.25



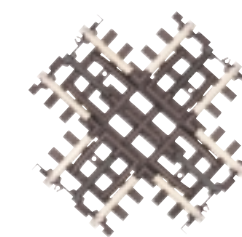
ScaleTrax™ - 22° Crossover Track  
Item No. 45-1015 \$19.95



ScaleTrax™ - 1.75" Track Section  
(card of 4 pieces)  
Item No. 45-1011 \$7.99



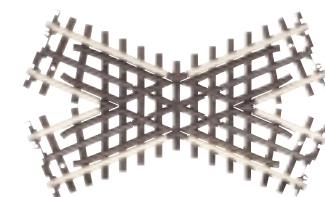
ScaleTrax™ - 4.25" Track Section  
Item No. 45-1012 \$3.50



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



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



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



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



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

Items not shown

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

ScaleTrax™ - 0-31 Switch (LH)  
Item No. 45-1003 \$49.95

ScaleTrax™ - 0-31 Switch (RH)  
Item No. 45-1004 \$49.95

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

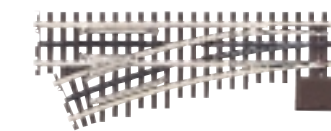
ScaleTrax™ - 0-54 Switch (LH)  
Item No. 45-1008 \$49.95

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

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

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

Measures 11.75"



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

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



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



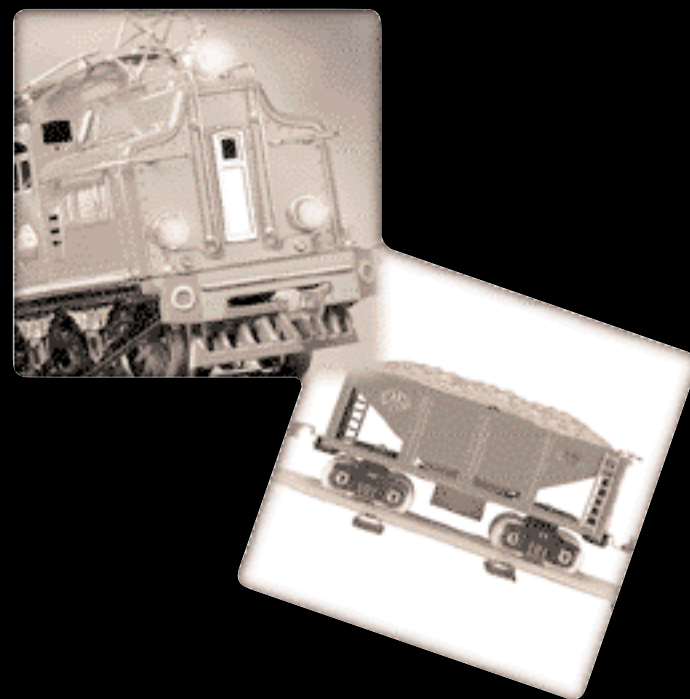
# M.T.H. ELECTRIC TRAINS *Tinplate Line*

M.T.H. founder Mike Wolf has always had a special place in his heart for the artistic world of Standard Gauge Model Railroading. As the President of M.T.H., he is immensely proud of our collection of Tinplate Traditions™.

At M.T.H., we understand that the hobby of model railroading is rooted deeply in the hearts and minds of many railfans. For this reason M.T.H. takes great care in developing and enhancing our Tinplate Traditions Line. The cherished memories and magical moments of days gone by are represented in our beautiful collection of Standard Gauge trains and accessories, known as Tinplate Traditions.

As its name implies, the Tinplate Traditions Line offers reproductions of what collectors have long called tinplate trains. These products are constructed mainly of die-cast and sheet metal, and they are treasured not so much for their authentic detail as for their creative and nostalgic character.

As you travel through the Tinplate Section of M.T.H.'s second Millennium Year 2000 Catalog, you will journey through the past, experiencing model railroading as it used to be. You will appreciate the integrity and marvelous history of model railroading . . . and hopefully gain a deep understanding of what sets this hobby apart from the rest!



**TINPLATE TRADITIONS™**  
By MTH Electric Trains®

**TINPLATE TRADITIONS**  
By MTH Electric Trains

TINPLATE TRACK

## Tinplate Track

Standard Gauge model railroad fans can find the classic look and style of tinplate track and switches only in our Tinplate Traditions™ lineup. Best of all, M.T.H.'s track and switches are sure to be found far superior to those hard-to-find originals. Each switch is equipped with a realistic lighted switch block lantern and state-of-the-art switch motors and switch controllers, which ensure they will function flawlessly for years to come. Available in both regular radius and wide-radius turnouts, each track section and switch is fully compatible with all standard gauge track and has features that give the Standard Gauge modeler incredible layout diversity.



**Std. Gauge Track Bumper Set**  
Item No. 10-4005 \$49.95

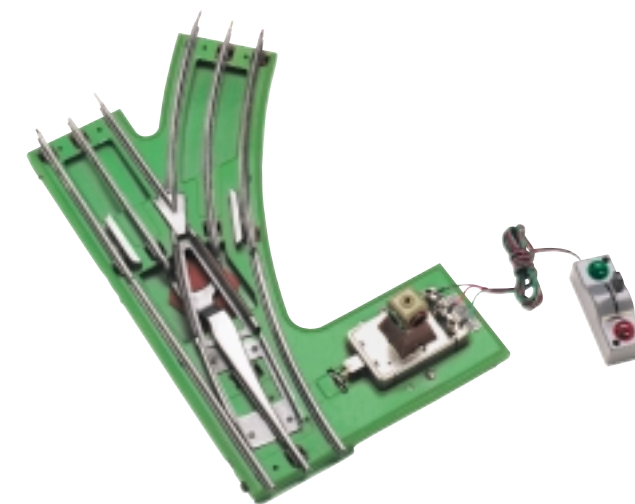


**Std Gauge Track - Regular Straight**  
Item No. 10-1038 \$3.50

**Std Gauge Track - Straight w/Wide Ties**  
Item No. 10-1040 \$3.95

**Std Gauge Track - Wide Radius Curve w/Wide Ties**  
Item No. 10-1041 \$3.95

**Std Gauge Track - Regular Curve**  
Item No. 10-1039 \$3.50

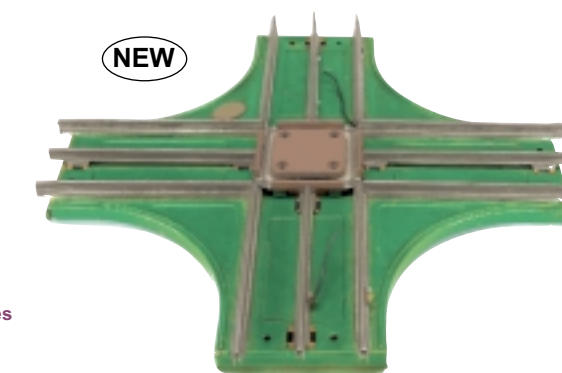


**Std Gauge Switch (RH STD-42)**  
Item No. 10-4001 \$79.95

**Std Gauge Switch (LH STD-42)**  
Item No. 10-4002 \$79.95

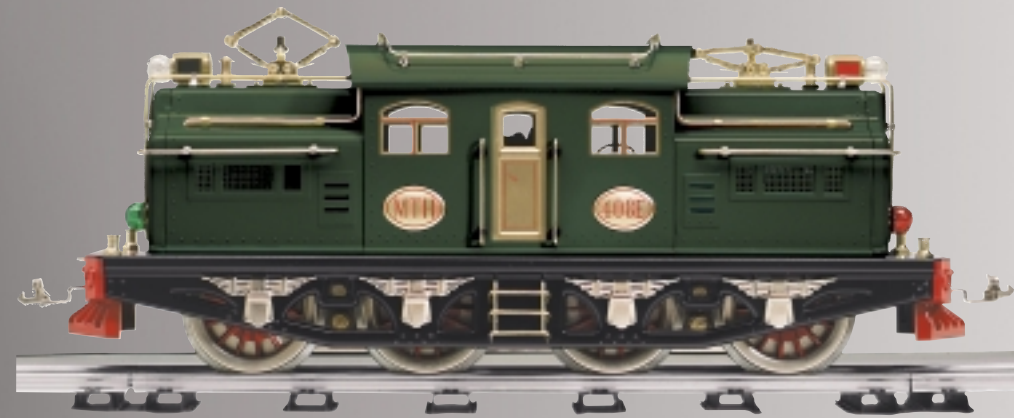
**Std Gauge Switch Wide Radius (RH STD-72)**  
Item No. 10-4003 \$89.95

**Std Gauge Switch Wide Radius (LH STD-72)**  
Item No. 10-4004 \$89.95



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





## 408E Tinplate Electric Engines

The bright colors and tinplate styling of traditional standard gauge models return with the 408E as part of the M.T.H. Tinplate Traditions™ line. The 408E will evoke memories of yesteryear while (optionally) using the technology of today. Easily one of the most attractive and popular standard gauge engines of all time, this two-motored unit features operating lights, a mechanical E-unit and all the other features that make tinplate engines as unique in operation as in their appearance. The 408E pulled the magnificent "State Cars," which we also sell in this catalog, to form one of the most dramatic trains ever.



Like all M.T.H. Tinplate Traditions pieces, the 408E closely models the 1927-36 original. All painted surfaces are decorated with a baked enamel finish. Operators will appreciate the option of purchasing their 408E equipped with a precision Pittman® motor, and the revolutionary new Proto-Sound® 2.0 Digital Command System. Traditionalists will enjoy the option of a standard mechanical reversing unit and AC motorS.

Dark Green  
408E Tinplate Electric Engine  
Item No. 10-1131-0, Traditional \$899.95

Dark Green  
408E Tinplate Electric Engine  
Item No. 10-1131-1, Contemporary \$899.95

TT Brown  
408E Tinplate Electric Engine  
Item No. 10-1132-0, Traditional \$899.95

TT Brown  
408E Tinplate Electric Engine  
Item No. 10-1132-1, Contemporary \$899.95

### FEATURES INCLUDE

- Baked Enamel Finish
- Brass Trim
- Stamped Steel Body and Chassis
- Operating Metal Latch Coupler
- Operating Directional Headlights
- Metal Wheels and Axles
- Locomotive Measures Approximately:  
19" x 4 1/2" x 6 1/2"

#### Available In Two Configurations

- Traditional: 2 AC Motors and Mechanical E-unit
- Contemporary: 2 Precision Pittman Motors, and All-New Proto-Sound® 2.0 with Digital Command System Featuring Passenger Station Proto-Effects™
- Among the many exciting new features available with the new Digital Command System are
  - Variable Locomotive Speed Control
  - Independent Light Control
  - Diagnostic Memory Features
  - Customizable, Downloadable Sounds
  - Simultaneous TMCC Operation

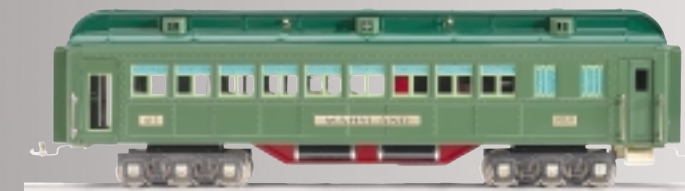




Std. Gauge State Car



Std. Gauge Solarium Car



Std. Gauge Solarium Car



TT Brown  
Std. Gauge State Car - Illinois  
Item No. 10-1136, \$399.95

TT Brown  
Std. Gauge Solarium State - Maryland  
Item No. 10-1137, \$399.95

TT Brown  
4-Car Std. Gauge State Set  
Item No. 10-1135, \$1499.95

TT Green  
Std. Gauge Solarium State - Maryland  
Item No. 10-1138, \$399.95

## Std. Gauge State Passenger Cars

In the late 1920s and early 1930s, the standard gauge tinplate passenger cars, known as "State Cars," were among the best and most detailed mass-produced toy trains ever built. European manufacturers of the same time frame were the only producers of comparable cars.

First produced in 1929, each car featured hinged roofs, lighted interiors, multiple layered window treatments, rotating seats, lavatories, even working toilet lids! Measuring 21 inches long and standing 7 inches high, each car weighed almost 6 pounds and can be trimmed in brass. Brightly painted and highly prized, State Cars are among the most valued toy trains in the world.

MTH is proud once again to introduce the State Cars to tinplate enthusiasts everywhere--each in the same glory and detail of their original counterparts. Available as a four-car consist, our 2000 interpretation of the State Set features a MTH creation: the Solarium Car. Sporting the nameplate "Maryland," this car features several dining areas and a kitchen--complete with stove and refrigerator. One end of

the car features wide, solarium-type windows, offering easy viewing of the unique car interior. A fifth car, the "Illinois," is available optionally and features the same car name and number as the original "Illinois" state car. The remaining three cars in the four-car consist also feature their original car names and numbers and the brown paint has been specially formulated to duplicate the original state car brown.

Also optionally available, the four-car state consist can be pulled by a state brown 408E electric motor just like the one that came with the original State set. Like our other recent Tinplate Traditions locomotive offerings, the 408E can be ordered in two configurations: Traditional with a Bild-a-LoCo motor and mechanical E-unit, or Contemporary with a precision Pittman® motor and the ProtoSound® Digital Sound and Train Control System.

No matter which way you choose to order your 408E and State Car Set, you'll acquire a beautiful recreation of model railroading's heritage.

## FEATURES INCLUDE

- Brightly Painted Stamped Metal Bodies
- Metal Latch Couplers
- Operating Interior Lights
- Detailed Seat Interiors
- Metal Wheels & Axles
- Each Car Measures Approximately: 21" x 7" x 4"



### 200 & 500 Series Freight Cars

MTH is proud to introduce a new generation of standard gauge toyers to the classic looks of the 200 and 500 series freight car. While slightly smaller than 200 series cars, the 500's carry the same beauty and level of trim detail. Like their 200 series brethren, the 500 series cars are constructed entirely of stamped metal components. Each car features black oxide finished trucks, nickel truck journal boxes and sprung latch couplers for that authentic look and feel of yesteryear.

Two all-new 200 and 500 series cars are being unveiled this year from MTH. The 200 Series and 500 Series Ore Cars are sure to become a favorite amongst new and purist tinsplate fans alike. Equally at home behind the MTH or any other manufacturer's standard gauge locomotives, these stunningly attractive ore cars add color and variety to any standard gauge layout or Christmas Garden.

#### FEATURES INCLUDE

- Stamped Metal Construction
- Brightly Painted, Baked Enamel Finish
- Metal Wheels and Axles
- Mechanical Latch Couplers
- 200 Series Cars Measure Approximately: 13 7/16" x 3 3/8" x 4 5/8"
- 500 Series Cars Measure Approximately: 11 9/16" x 3 5/16" x 4 1/16"



200 Series Std. Gauge Ore Car  
Item No. 10-1130 \$119.95



500 Series Std. Gauge Ore Car  
Item No. 10-1129 \$99.95

### Tinsplate Accessories

More lights and accessories return to our Tinsplate 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.



#67 lamp Post (dark green)  
Measures 13 1/2" Tall  
Item No. 10-1095 \$39.95



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



#78 Std. Gauge Block Signal (cream/white)  
Measures 8" Tall  
Item No. 10-1097 \$59.95



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



#71 Telegraph Post Set (gray/red)  
Measures 8 3/4" Tall  
Item No. 10-1093 \$49.95



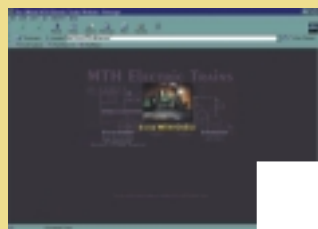
#71 Telegraph Post Set (peacock/red)  
Measures 8 3/4" Tall  
Item No. 10-1094 \$49.95



# Take A Virtual Journey Through the Exciting World Of M.T.H. Electric Trains

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

We've worked hard to create a well-rounded website that customers will find a convenient and valuable source of information as well as a vital community of fellow M.T.H. enthusiasts. Our commitment to using technology to improve the model railroading experience of our customers is reflected in the way we have organized this site. Here are some of the many services you will find at [www.mth-railking.com](http://www.mth-railking.com)



Do you need to find a retailer who might have that hard-to-find M.T.H. product in stock? Check out our new, easy-to-use Dealer and Product Locator. The online Locator will find all M.T.H. retailers who have in stock any M.T.H. item you search for and tell you how to contact those dealers. You can search by item type, item number, roadname, or locale, and the Locator even contains an archive of the entire M.T.H. product line, so you can research and locate models from past catalogs. It's never been easier to complete your M.T.H. collection.

It's also possible to **download and print instruction sheets and exploded views** of your locomotive from our website. You'll never have to worry about lost instruction sheets again, when they're so easy to access on-line. We also provide troubleshooting tips with advice about the easiest ways to solve common problems and "train tips" with information how to take the best advantage of the features our trains offer. Trying to surprise a loved one with a new train set or locomotive? Simply visit the M.T.H. website any hour of the day or night to find the instructions when and where you need them.

We've upgraded our business systems so that our customers can stay in touch and have access to the **latest news on our products and retailers**. Customers needing to return an item for repair to the M.T.H. Service Department can obtain a return authorization number through the M.T.H. website. Eventually, the system will allow a customer to check on the status of their returned item's repair as it moves through the M.T.H. Service Center. Once an item has been repaired, our system will even e-mail you with its delivery schedule and tracking number, giving you the ultimate in peace-of-mind information.

Visit the M.T.H. website to find answers to many of your questions about product delivery, new **product announcements and information** on using M.T.H. products. Just purchased a M.T.H. product? Now you can fill out your warranty card or complete a survey online instead of mailing in the forms. Both are easy to do.

Joining the **M.T.H. Railroaders' Club** is an easy way to begin experiencing this wonderful hobby, and signing up couldn't be easier -- just visit our website and join in a few simple clicks. Once you join, you'll be able to visit a special Members Only section of the website where you and your fellow members will get to learn inside details about new products and programs coming from M.T.H. You'll also be able to read and leave messages on our M.T.H. Railroaders' Club message board and create your own M.T.H. Member Web Page.

Naturally, a visit to the M.T.H. website will allow you to **e-mail** various departments, check out our latest catalogs and visit our online store. Most importantly, we are including information to help you find answers to virtually any question you might have about M.T.H. Electric Trains. Shipping schedules, parts manuals with interactive exploded views that can be printed out, product instruction manuals that can be downloaded and FAQ and Service Tips are just a few of the many new items included in our new site.

Because this hobby is about fun, we have been sure to include some entertaining features as well. We want to be sure you enjoy the time you spend with us! Our frequent visitors especially like the **interactive multimedia animation "Ride"** in a locomotive as you listen to the sound effects available on our engines. Turn our trains around so you can see them from different views. Roll over our featured items and see what features they have to offer. We also offer an interesting free **monthly e-mail newsletter** to anyone who signs up for it. The M.T.H. website is your central location for online railroading fun.

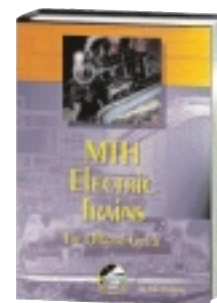
Our Internet staffers continuously update the site so that you will never be far from the latest model railroading news. Compare our website to others and see how it reflects the proud tradition of customer service that distinguishes M.T.H. from the competition. We use state-of-the-art technology to continue our commitment to excellence and provide you with first-rate customer service and an unbeatable information resource through our website.



Great MTH Video  
by TM Books and Video  
55 minutes  
Item No. 60-1325  
\$19.95

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. Tony's layout is museum quality. He operates Premier steamers, diesels and rolling stock, including the Berkshire, Big Boy, Shay, Y-6bs, SP Daylight set and more. Another highlight is the trees - \$60,000 worth. Tony commissioned the best scale model and scenery makers to create a truly spectacular, finely detailed layout. The M.T.H. showroom layout is multi-level and operates both O and Standard gauges. Also features is an interview with Mike Wolf and a 2400 square foot floor layout that includes long mixed freight and unit trains operating on 4900 feet of track. Be prepared to be amazed.

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



MTH Book - History  
Item No. 60-1321  
\$29.95

In the twenty years that M.T.H. has been on the model railroading scene, we have reinvigorated the industry by providing a level of value and quality unmatched by our competitors. Now you can get the inside story on the history of Mike Wolf and the company he founded. The forthcoming 240+ page hard-cover M.T.H. History Book beautifully captures the essence and story of M.T.H. Electric Trains through the easy-reading narrative of an M.T.H. aficionado. Also featuring almost 1900 full-color photos, the book contains a complete history of our product line, through the 2000, volume 2 catalog, making it the most complete history to-date of M.T.H. products. It is an invaluable resource for any M.T.H. fan.

Members in each option will receive an attractive railroad car in addition to all the other club member benefits listed below



MTHRRRC, Crane Tender Car  
Item No. 30-7939

RailKing option members receive an eye-catching crane tender painted to match the crane car that was given to 1999 RailKing members. With its sturdy construction, this crane tender will operate as well as it looks and keep up with any of your other cars.



MTHRRRC BNSF, Tank Car  
Item No. 20-92014

Premier club members receive a beautiful BNSF tank car, with the colorful M.T.H. Railroaders' Club logo added. Featuring scale dimensions and the attention to detail you have come to expect from our Premier line, this car will complement any scale consist.



MTHRRRC, 200 Series Std. Gauge Tank Car  
Item No. 10-1127

Tinplate fans can enroll in the Tinplate Traditions club option and receive this beautifully decorated 200 series standard gauge tank car. Like all our Tinplate Traditions 200 series cars, this one features all-metal construction and a durable baked enamel finish.



For 2000, the M.T.H. Railroaders' Club offers exciting membership benefits for all our club members, whether you are RailKing®, Premier, or Tinplate Traditions™ fans.

No matter which option you choose, you will receive a full selection of other club member benefits:

- All the new M.T.H. Catalogs mailed first-class directly to you for an entire year.
- The M.T.H. Railroaders' Club Bi-Monthly Newsletter full of information about new products, answers to questions about service, and other ideas about how to make the most of your M.T.H. products.
- A Membership Card granting you special perks that go with MTHRRRC membership.
- Access to the special MTHRRRC section of the M.T.H. web site, where you can receive inside information and exchange ideas with other M.T.H. railfans.
- An Individual Web Page of your own for you to design within the M.T.H. Web Site
- Special Software on an Interactive CD-ROM, including track layout software, a database of all the products M.T.H. has ever made, access to M.T.H. catalogs in electronic format, "train music" samples from the Pro-oto-Sound® library, and a fun railroading game you can play (a \$79.95 value).

As a member of the M.T.H. Railroaders' Club, you also have the option to buy the handsome forthcoming M.T.H. history book. You'll get more than 240 pages and 1900+ full-color photographs to help you appreciate the history of M.T.H. Electric Trains and how we got where we are today. The book will include complete information on our product lines through the 2000 volume 2 catalog, making it the most current historical reference you can obtain on M.T.H. Electric Trains.

Finally, members of any of the club options are welcome to purchase the club cars that come from the other membership categories. If you love all our offerings, you don't have to choose just one car.

**JOIN MTHRRRC CLUB 2000**

Join the Club on Our Web Site  
[www.mth-railking.com](http://www.mth-railking.com)

write for a club 2000 application  
M.T.H. Electric Trains  
7020 Columbia Gateway Drive  
Columbia Maryland 21046-1532



## LIMITED ONE-YEAR WARRANTY

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

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

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

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

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

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

All products depicted in this catalog are not 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.

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