

*RAILKING*  
**READY-TO-RUN™**  
*sets*  
**THE COMPLETE SOLUTION**

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# 4-6-2 Steam Passenger Set

## Operation Manual



DLS  
**PROTO-SOUND**  
DIGITAL COMMAND SYSTEM



**RAILKING**  
By MICHIGAN TRAINS

Thank you for purchasing this RailKing product.  
**PLEASE READ BEFORE USE AND SAVE**

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## CAUTION: ELECTRICALLY OPERATED PRODUCT:

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

**WARNING:** When using electrical products, basic safety precautions should be observed, including the following:

Read this manual thoroughly before using this device.

- M.T.H. recommends that all users and persons supervising use examine the hobby transformer and other electronic equipment periodically for conditions that may result in the risk of fire, electric shock, or injury to persons, such as damage to the primary cord, plug blades, housing, output jacks or other parts. In the event such a condition exists, the train set should not be used until properly repaired.
- Do not operate your layout unattended. Obstructed accessories or stalled trains may overheat, resulting in damage to your layout.
- This train set is intended for indoor use. Do not use if water is present. Serious injury or fatality may result.
- Do not operate the hobby transformer with damaged cord, plug, switches, buttons or case.
- The transformer was designed to operate on regular US household current (120 volt, 50-60 Hertz). Do not connect to any other source of power.
- To avoid the risk of electrical shock, do not disassemble the transformer unit. There are no user-serviceable parts inside. If the unit is damaged contact M.T.H. Service for instructions.
- The transformer is equipped with an internal circuit protector. If the circuit protector trips, unplug the power cord from the electrical wall outlet, check your layout for any short circuits. The circuit breaker will reset automatically when the shorts are removed from the circuit.
- Unplug the transformer from the electrical wall outlet when not in use.
- Do not use this transformer for other than its intended purpose.

## Transformer Ratings:

Input: 120 VAC, 60 Hz Only, Output: 21 VAC, 3.75 A 78 VA

# Set Up Checklist

- Assemble RealTrax®
- Connect the transformer
- Lubricate the engine
- Prime the Smoke Unit
- Place the engine and car on the track and couple them together
- Check to see whether the battery needs to be charged for full sound effects
- Apply power to run as described in the Basic Operation section of these instructions.

## Set Includes



Steam Engine with Proto-Sound® 2.0



Steam Tender



8-Piece  
O-31 Curve RealTrax



Track Clips



3 Passenger Cars



Remote Control



Lock-On

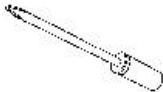


CD-Rom



Video

## Tools Needed



Philips Screwdriver



Pliers



Scissors



Cotton Swab or Rag



Rail King Maintenance Kit or  
Light Household Oil and Bearing Grease

**You can obtain replacement parts and replacement instructions from the M.T.H. Parts Department**

e-mail: [parts@meth-railking.com](mailto:parts@meth-railking.com)

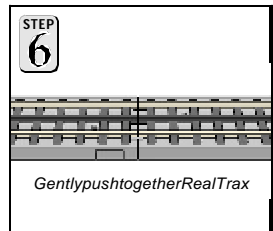
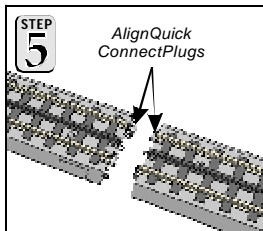
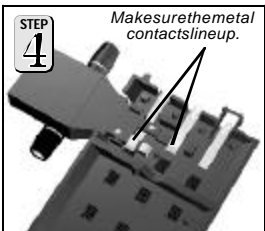
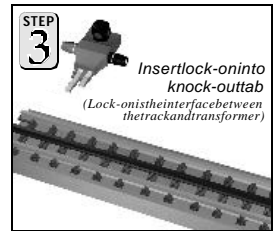
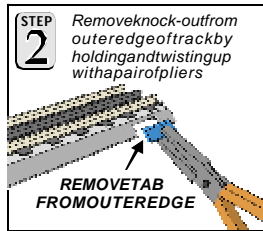
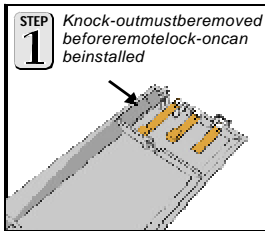
phone: 410-381-2580

mail: 7020 Columbia Gateway Drive, Columbia MD 21046-1532

# Getting Started

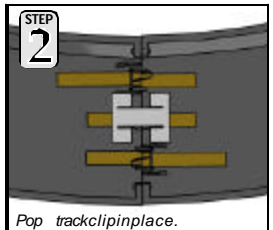
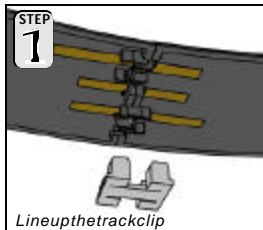
## Assembling RealTrax®

The quick connectors and built-in road bed allow you to setup RealTrax anywhere, including carpeted surfaces.



### Connecting TrackClips

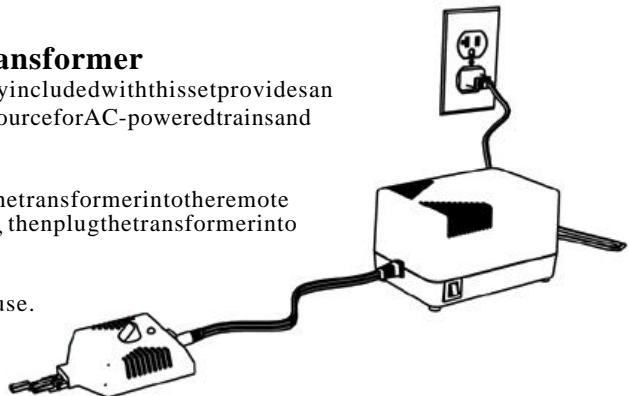
If you prefer not to screw your track to the table for a permanent layout, use the enclosed track clips on adjoining curved RealTrax sections to secure them in place.



### Connecting the Transformer

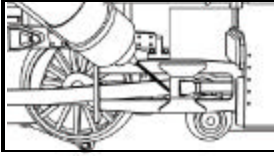
The 75-watt power supply included with this set provides an easy-to-use, safe power source for AC-powered trains and accessories.

- Plug the wire from the transformer into the remote lock-on's center port, then plug the transformer into the wall outlet.
- Unplug when not in use.

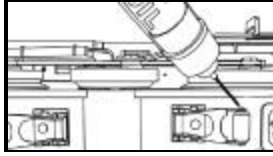


## Lubricating the Engine

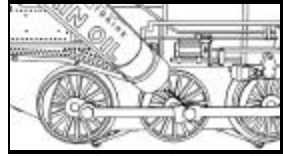
Lubricate all exposed moving parts before operating using a multi-purpose, plastic-compatible oil (available with M.T.H.'s Maintenance Kit, sold separately) or a light household oil. Follow the lubrication points.



Lubricate Valve Gear



Lubricate Pick-Up Rollers  
*(Do Not Oil the Flat Part of Pick-Up Rollers)*



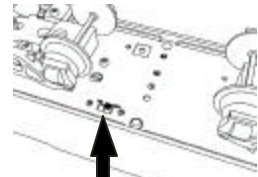
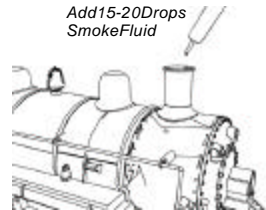
Lubricate Side Rods

## Priming the Smoke Unit

You should prime the smoke unit with smoke fluid before operating. Add 15-20 drops of smoke fluid from the included pipette through the smoke stack, then gently blow into the stack to eliminate any air bubbles in the fluid.

If you choose not to prime the unit with fluid, turn the smoke unit switch located under the tender to the OFF position. **Running the engine without a primed smoke unit may cause damage.** See the "Proto Smoke Unit Operation" section of this book for more information on smoke unit maintenance.

Add 15-20 Drops  
Smoke Fluid

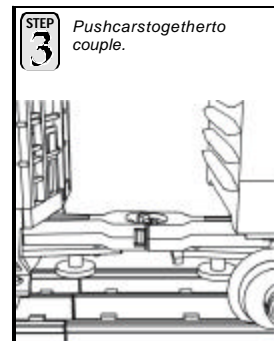
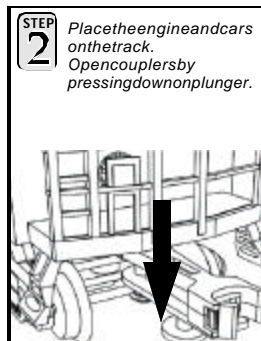
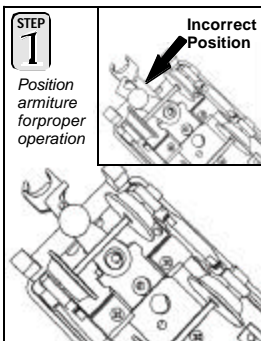


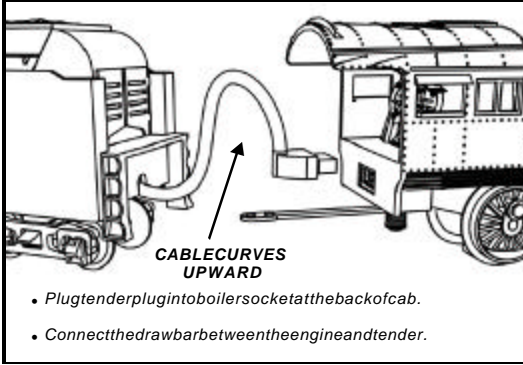
Smoke Unit  
ON/OFF Switch



**Running the engine without a primed smoke unit may cause damage**

## Coupling the Engine and Cars





**! DONOTCONNECT This Engine To A Tender From Another Engine; It May Cause Serious Damage.**

*Look at the bottom of the engine and tender where each will have a color-coded stamp. If they match you may connect those two pieces; if not, don't.*

## Checking the Battery

You may find, if your set was built several months before you set it up, that the rechargeable battery has run down and needs to be charged before operating. If you notice that the sounds are garbled, test and charge the engine as described in the "Self-Charging Battery Back-Up" on page 16.

## Remote Control

The remote and lock-on are designed for use with moderate power supplies such as the one included with this set. It is compatible with virtually any manufacturer's engines.

**STEP 1**

Remove phillips screw with screwdriver on back of remote.

**STEP 2**

Insert two AA batteries (not included) into the remote.

**STEP 3**

Aim remote control at the rounded side of the lock-on sensor to send track. Lock-on sensor can be rotated to the direction you will most often signal.

**STEP 4**

Green LED flashing indicates lock-on is receiving signals from remote.

**STEP 5**

Control trains from upto 15 feet from the lock-on.

**Note:** The RailKing® Remote Control and Remote Lock-on will not operate engines equipped with pre-1997 versions of Proto-Sound® or with Proto-One,™ Proto-Plus,™ Proto-Deluxe,™ aftermarket systems.

# Basic Operation

## Operation Buttons

**ThrottleUp** ThrottleupthepowertoyourtrackbypressingthetopendoftheThrottle ControlRockerSwitchfirmlyforabout5seconds,untiltheengine'sheadlightand lightedcarsburnbright. Thenputtheengineintomotionbyfirmlypressingthe Directionbutton(holditforapproximately1second)onyourremoteonce. Iftheengine doesnotbegintomoveassoonasyoufirmlypresstheDirectionbutton,youmaynot have sentenoughvoltage tothetracktomakethetrainmove. Pressthethrottleupfor a fewmoresecondsuntilthetrainbeginstomove. Toincreaseordecreasetrackvoltage, andthereforetrainspeed, pressthethrottlecontrolrockerswitch. Pressingthetopendof thethrottlewillincreasevoltageandspeed. Pressingthebottomendofthethrottlewill decreasevoltageandspeed. Theenginewillmaintainthespeedyousetafteryourelease thethrottleuntilyoupressitagaintochangethevoltageandspeed.

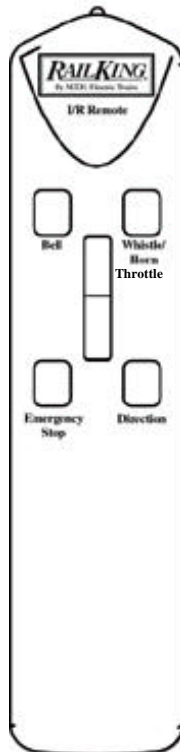
**Bell** - Tosoundthebell, firmly pressandrelease theBell button. Toturnthebell off, pressandrelease theBell button again. Thebellwillcontinuetorings fromthetimeyouturniton untilyoupressandrelease the buttonagaintoturnitoff.

**Emergency Stop** Pressthe EmergencyStopbuttonandall trainsonthetrackcontrolledby theremotewillstopuntilyou reapplyvoltage. Thisisaneasy waytoshutdownyourtrainsat theendofasessionortostop suddenlythetrain'spath becomesobstructed.

**CAUTION:** *Donotmixold andnewbatteries. Donotmix alkaline, standard(carbon-zinc), orrechargeable(nickel-cadmium)batteries.*

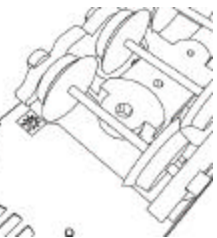
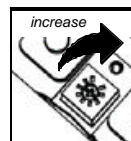
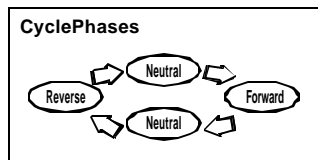
## Manual Volume Control

Toadjustthevolumeofallsounds made bythisengine, turnthemastervolume controlknoblocatedunderthetender clockwisetoincreasethevolumeand counter-clockwisetodecreasethevolume.



**Horn/Whistle** - Tosoundthe whistle, firmly pressthe Horn/Whistlebutton. Thewhistle willsoundforaslongasyou continuetodepressthebutton. It willstopwhenyourelease the button.

**Direction** Yourtrains is programmedtostartinneutral. Thetrainwillalwayscycle neutral-forward-neutral-reverse with eachpressandreleaseof the directionbutton. Theengineis programmedtorestartinneutral eachtimethetrackvoltageis turnedofffor25secondsormore.



# Proto-Sound 2.0 Operating Instructions

This manual contains the operating instructions for Proto-Sound 2.0 in conventional mode only. Instructions for accessing DC S command mode features accompany the DC S Remote Control System equipment.

## Activating Proto-Sound 2.0 Conventional Mode Features:

Proto-Sound 2.0 features are activated by sequences of Bell and Whistle button pushes described below. Please read the full descriptions of each feature before using it. To use these buttons to activate features rather than to blow the whistle or ring the bell, you should tap the buttons very quickly with a 1/2-second pause between button presses. You may need to practice your timing to make this work smoothly.

| Timing Chart                    |                |                         |                |                         |
|---------------------------------|----------------|-------------------------|----------------|-------------------------|
| Press Whistle Short & Firm      | 1/2 Sec. Pause | Press Bell Short & Firm | 1/2 Sec. Pause | Press Bell Short & Firm |
| Total Time Lapse: 1 1/2 Seconds |                |                         |                |                         |

| Feature to Be Activated         | Button Code:                           |
|---------------------------------|--|
| Passenger Station Announcements | 1 Bell, 2 Whistles                     |
| Fire the Rear Coupler           | 1 Bell, 3 Whistles                     |
| Fire the Front Coupler          | 1 Bell, 4 Whistles                     |
| Speed Control On/Off            | 1 Whistle, 2 Bells (from Neutral only) |
| Lock into a Direction           | 1 Whistle, 3 Bells                     |
| Reset to Factory Defaults       | 1 Whistle, 5 Bells (from Neutral only) |

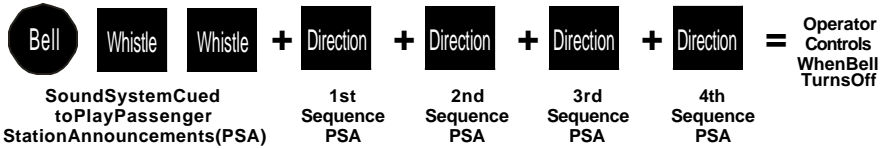
## Passenger station announcements (PSA):

Your engine is equipped with a sound package of passenger station announcements that you can play when you pull into a station. **Each sequence described below will play as long as it is left on, randomly generating sounds, but be sure to allow approximately 30 seconds between the button pushes described below to allow the PSA sufficient time to run through each sequence.**

- To cue the sound system to play the PSA, quickly but firmly tap the Bell button once followed by 2 quick taps of the Whistle button while the engine is moving. Tap the buttons quickly but allow approximately 1/2 second between each press.
- Press the Direction button once to stop the engine. This will trigger the first sequence of PSA. Thereverse unit is temporarily disabled so that the train will not move as you use the Direction button to trigger the sounds, and Proto-Sound 2.0 has disabled operator control over the Whistle and Bell buttons until the full PSA sequence is complete.
- After waiting about 30 seconds for that sequence to run, press the Direction button again to trigger the second sequence of PSA.
- After about 30 seconds, press the Direction button again to trigger the third PSA sequence.



- Again, after allowing about 30 seconds for that sequence to run, press the Direction button one more time to trigger the fourth and final PSA sequence. The PSA will continue, and within a few seconds, the engine and bell will start and move out of its own at the current throttle setting, in the same direction it was traveling when you began this sequence. Once the bell turns off, the operator regains control of the transformer's bell and Whistle buttons and can ring the bell or blow the Whistle as usual.



### Tipson Using PSA

- You can terminate PSA at any time by turning off power to the track for 15 seconds.
- You do not have to be in Forward to use PSA. At the conclusion of the full sequence, the train will pull away from the station in whatever direction you were going when you activated the feature.
- You can use PSA even if you are double-heading with another engine. If the second engine is not equipped with Proto-Sound 2.0, you must remember not to leave the throttle at a high voltage level once you have stopped the engine to run the PSA. Otherwise, the engine without PSA will begin vibrating on the tracks as its motors strain to move the train, since they cannot be automatically disabled during the PSA cycle (or if an original Proto-Sound engine, PSA are triggered differently and that engine's motor-disable feature will not be active when you run PSA in Proto-Sound 2.0).
- PSA can be triggered from Neutral. It will operate the same as if triggered while in motion except that, at the conclusion of the PSA, the engine will depart in the next direction of travel, as opposed to the direction it was traveling before entering Neutral.

### Proto-Coupler® Operation

This locomotive is equipped with one or more coil-wound Proto-Couplers for remote uncoupling action. Because Proto-Couplers are controlled through the Proto-Sound 2.0 microprocessor, they do not require an uncoupling track section or modification to your layout to function. You can fire a coupler from neutral or while in motion. Use the code shown below (and in the chart on p. 8) to fire the coupler(s).

#### Rear Coupler:

To fire the rear coupler, quickly tap the Bell button once followed by three quick taps of the Whistle button, allowing approximately 1/2 second to lapse between each quick button press. The sound of the lift bar and air line depletion will play, and the knuckle will be released.



## Front Coupler:

To fire the front coupler (if your engine has one), quickly tap the Bell button once followed by four quick taps of the Whistle button, allowing approximately 1/2 second to lapse between each quick button press. The sound of the lift bar and air line depletion will play, and the knuckle will be released.



## Speed Control:

M.T.H. engines equipped with Proto-Sound 2.0 have speed control capabilities that allow the engine to maintain a constant speed up and down grades and around curves, much like an automobile cruise control. You can add or drop cars on the run, and the engine will maintain the speedy you set.

While the engine is programmed to start with the speed control feature activated, you can opt to turn it off. This means the engine's speed will fall as it labors up a hill and increase as it travels downward. It is also affected by the addition or releasing of cars while on the run. Because the engine will run more slowly at a given throttle voltage when speed control is on than when it is off, you should adjust the throttle to a lower power level for operation with speed control off to avoid high-speed derailments. When speed control is off, the volume will drop to allow for better low voltage operation.

**To turn speed control on and off**, put the engine in neutral, then quickly tap the transformer's Whistle button one time then quickly tap the Bell button two times, allowing approximately 1/2 second to lapse between each quick button press. Two horn blasts will indicate that the engine has made the change. Repeat the 1 whistle, 2 bells code to return to the other condition. You will want to do this during the initial neutral upon start-up if you ever couple this engine to another engine that is not equipped with speed control to avoid damaging the motors in either engine. Each time you shut down the engine completely, it will automatically turn speed control on.



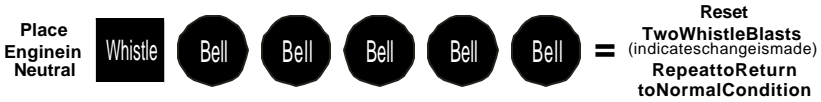
## Lock into a Direction:

You can lock your engine into a direction (forward, neutral, or reverse) so that it will not change directions. To do this, put the engine into the direction you want (or into neutral to lock it into neutral), run it at a very slow crawl (as slowly as it will move without halting), and quickly but firmly tap the Whistle button once followed by three quick taps of the Bell button, allowing approximately 1/2 second to lapse between each quick button press. Two whistle blasts will indicate that the engine has made the change. The engine will not change direction (including going into neutral) until you repeat the 1 whistle, 3 bells code to return the engine to its normal condition, even if the engine is kept without power for extended periods of time.



### Reset to Factory Defaults:

To override the settings you currently have assigned to the engine and reset it to its factory defaults, while in Neutral tap the Whistle button quickly once, followed by five quick taps of the Bell button, allowing approximately 1/2 second to lapse between each quick button press. Two whistle blasts will indicate that the engine has made the change.



### Automatic Sounds:

Certain Proto-Sound 2.0 sound effects automatically play in programmed conventional mode conditions:

- **Squealing Brakes** play any time the engine's speed decreases rapidly.
- **Cab Chatter** plays at random intervals when the engine idles in neutral.
- **Engine Start-up and Shut-down** sounds play when the engine is initially powered on or is powered off for five seconds or more.

# Maintenance

## Care of the Remote Control

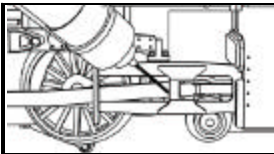
Your Rail King Remote Control System should offer years of trouble-free service. There are a few things you can do to ensure trouble-free operation:

- If your train responds inconsistently, replace old batteries with fresh ones. Do not mix old and new batteries.
- Remove batteries before storing for extended periods.
- Do not drop the remote. It can damage the delicate electronics inside.
- Any attempt by anyone other than an authorized M.T.H. repair person to open and repair the handheld transmitter or lock-on may result in damage and the loss of warranty protection.

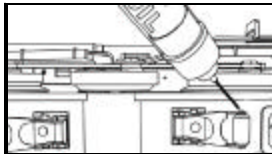
## Lubrication Instructions

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

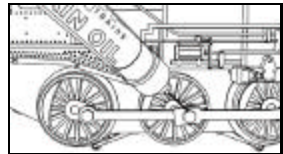
Regularly lubricate all side rods and linkage components and pickup rollers to prevent squeaking. Use light household oil, such as that found in M.T.H.'s maintenance kit. Do not overoil. Use only a drop or two on each pivot point.



*Lubricate Valve Gear*



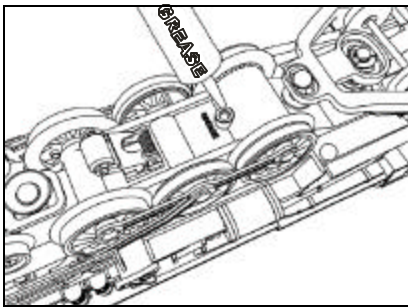
*Lubricate Pick-Up Rollers  
(Do Not Oil the Flat Part of  
Pick-Up Rollers)*



*Lubricate Side Rods*

## Greasing Instructions

The locomotive's internal gearing was greased at the factory. Grease engine every 50 hours of use or one year. Use lithium based grease and follow the greasing instructions.



- Remove the screw from the chassis to open the grease port.
- Insert the grease tube tip into the port and squeeze the tube once or twice to add grease to the gearbox.
- Wipe off any excess grease and replace the phillips screw securely.

## Cleaning the Wheels, Tires and Track

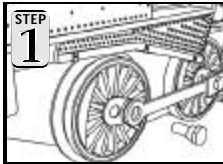
Periodically check the locomotive wheels and pickups for dirt and buildup, which can cause poor electrical contact and traction and prematurely wear out the neoprene traction tires. Wheels and tires can be cleaned using denatured (not rubbing) alcohol applied with a cotton swab.

To clean the track, use Rail King Track Cleaning Fluid and a clean rag or denatured (not rubbing) alcohol. Unplug the transformer and wipe the rails of the track, turning the rag frequently to ensure that you are using clean cloth on the rails. Because the manufacturing process leaves a coating on Real Trax center rail, you should clean the rails after the first 30 minutes of use (you may notice an electrical smell during initial use as the coating wears off; this is normal). Thereafter, keep an eye on the track and clean it when it gets dirty to ensure good electrical contact and to lengthen the life of the tires.

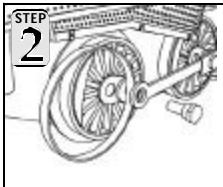


## Traction Tire Replacement Instructions

Your locomotive is equipped with two neoprene rubber traction tires on the rear set of flanged drivers. While these tires are extremely durable, you may need to replace them at some point.



- Remove the siderods (the rod that connects each drive wheel to the other) from the wheels in order to slip the new tire over the grooved drive wheel. These bolts can be loosened with a 5mm nut driver.
- Clean the groove using a cotton swab and denatured alcohol.



- Make sure the old tire has been completely removed from the groove in the drive wheel, using a razor blade or small flathead screwdriver to pry away any remains.
- Clean the groove using a cotton swab and denatured alcohol.
- Slip the new tire onto the wheel. You may find it useful to use two small flathead screwdrivers to stretch the tire over the wheel.
- If you wish the tire while stretching it over the wheel, you will need to remove and reinstall the tire. Otherwise your engine will wobble while operating.
- Make sure the tire is fully seated inside the groove. Use a razor blade to trim away any excess tire that doesn't seat itself inside the groove properly.

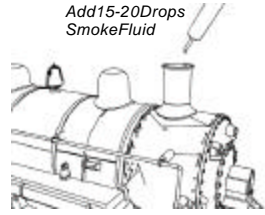
## ProtoSmoke® Unit Operation

This steam locomotive contains a smoke unit that outputs smoke through the smoke stack on the boiler of the engine. The smoke unit is essentially a small heating element and wick that soaks up and then heats a mineral oil-based fluid that emits a harmless smoke. The smoke is then forced out of the stack by a small electric fan.

With a few easy maintenance steps, you should enjoy trouble-free smoke unit operation for years.

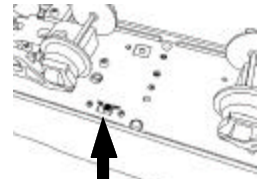
- When preparing to run this engine, add 15-20 drops of smoke fluid through the smoke stack. We recommend M.T.H. ProtoSmoke, Seuth, LGB, or LVT fluids (a small pipette of ProtoSmoke fluid is included). Do not overfill the unit or the fluid may leak out and coat the interior engine components.

- If you choose not to add the fluid (or have already added the fluid but choose to run smoke-free), turn off the smoke unit switch located under the tender body. **Failure either to add fluid to the unit or to turn it off may damage the smoke unit heating element and/or wicking material.**



**⚠ Running the engine without a primed smoke unit may cause damage**

- When the smoke output while running the engine begins to diminish, add another 10-15 drops of smoke fluid or turn the smoke unit off.
- When storing the unit for long periods of time, you may want to add about 15 drops of fluid to prevent the wick from drying out.
- After removing the engine from storage, add another 25 drops of fluid, letting the wick soak up the fluid for 15 minutes prior to operation.



Smoke Unit ON/OFF Switch



Smoke Unit Cover

If you experience poor or no smoke output when the smoke unit is on and has fluid, check the wick to see if it has become hard, blackened, and unabsorbent around the heating element. Remove the boiler as shown below. Remove the smoke unit inspection cover from the locomotive's body (see right). After removing the chassis and inspection cover screws, lift the inspection plate away and inspect the wick. If it is darkly discolored and hard, it should be replaced. When priming new wick add 40 drops.



Wick in Poor Condition



Wick in Good Condition

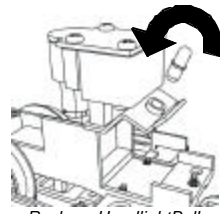
## Locomotive Light Bulb Replacement

To replace the light bulb in the locomotive, follow the boiler removal instructions below.



**STEP**  
**2**

Once the locomotive boiler has been removed from its chassis, locate the bulb bracket as seen in the illustration on the right and rotate the headlight bulb counter-clockwise to remove.



Replace Headlight Bulb

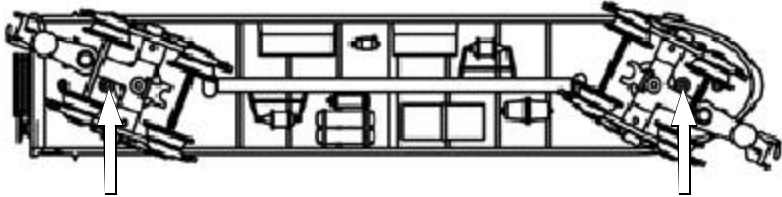
## Passenger Car Light Bulb Replacement

To replace the interior light bulbs follow these instructions and see the diagrams

You can obtain replacement bulbs directly from the M.T.H. Parts Department.

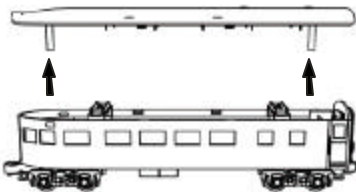
**STEP**  
**1**

Turn the car over and remove the two mounting screws holding the roof on.



**STEP**  
**2**

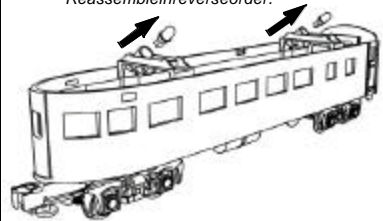
Turn the car back over and gently twist the ends of the car in opposite directions until the roof pops off. Lift the car roof away from the body and chassis.



**STEP**  
**3**

Gently pull the bulb away from its housing and push the replacement bulb into the housing.

Reassemble in reverse order.



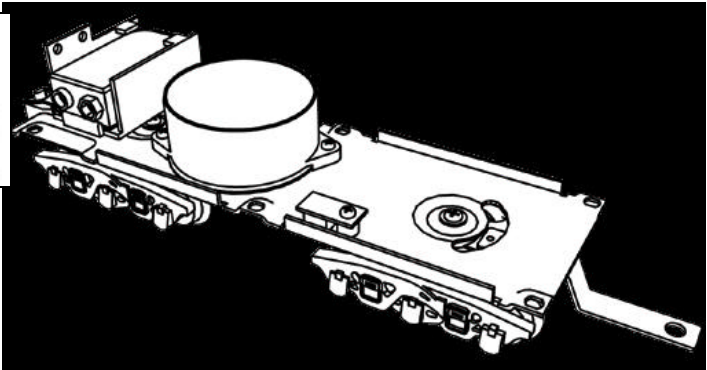
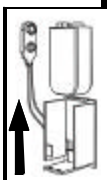
## Self-Charging Battery Back-Up

This special NiCad 7-cell 8.4v self-charging battery recharges continuously during train operation and should last for up to five years. The battery is a dry battery that should not leak or cause any damage to your engine. **Depending upon when your engine was built, it may need to be charged right out of the box.** If engine sounds seem distorted or garbled at low voltages or becomes silent when power from the transformer is turned off, test the battery to determine whether it should be recharged or replaced.

- **Test:** Put the engine in neutral and leave the track voltage at 10-12 volts (high enough for the light to shine brightly and the engine to move steadily) for 15 minutes.
- **Recharge:** If the sounds are improved at the end of the 15-minute test charge, the battery charge has run down and can be recharged. There are a number of ways you can do this:
  - Leave the engine in neutral with track voltage at 10-12 volts for 6-7 hours so the battery can fully recharge (if your engine has a smoke unit, be sure it is turned off).
  - Use M.T.H.'s battery recharger (sold separately) that plugs into a wall outlet and a special port under the tender to recharge the battery overnight without leaving it on the track.



- **Replace:** If the sounds are not improved at the end of the 15-minute test charge, it is time to replace the battery. Available through M.T.H. Parts. A standard 9v alkaline battery can be substituted until your replacement arrives, but since alkaline batteries cannot be recharged, it will eventually wear down. **Do NOT use a 6-cell 7.2v battery.**





## Quick-Start Video

The included VHS Quick-Start video demonstrates the start-up and basic operation of this set as well as other information about model railroading. You may find it helpful to view the video before operating this set.

## RailWare Interactive CD ROM

M.T.H. provides a free RailWare CD ROM in each Ready-To-Run set. It is full of helpful information on M.T.H. product history, track planning software, a dealer finder, and information and video clips on Loco-Sound and Proto-Sound 2.0. Follow the directions below to use the CD ROM.

Minimum System Requirements: Pentium 100, 16MB RAM, Windows 95 or later, CD ROM drive, Sound Card, display properties set to greater than 256 colors. The CD will not work on a Mac OS unless you run a Virtual PC.

## Running RR-Track Software

You may run the RR-Track software directly off of the CD ROM or you may install the software to your hard drive.

1. On the Desktop, click on the icon that says My Computer.
2. Find your CD ROM drive.
3. With the M.T.H. CD ROM in the drive, double click on the icon for the CD ROM drive.
4. Find the folder on the CD ROM entitled INSTALLATION.
5. Choose the folder inside entitled RRTRAXSETUP.
6. Run the file in that folder called SETUP.EXE and follow the directions it provides.

The program may ask you for a registration code. If it does type in "M.T.H." and it will run.

Additional track libraries can be obtained directly from RR-Track. See their website for more information [www.rtrack.com](http://www.rtrack.com).

## Installing Adobe Acrobat Software

To read some of the electronic documents included on the CD ROM, you will need to install the Adobe Acrobat Reader® if it is not already on your computer. To install the software:

1. On the Desktop, click on the icon that says My Computer.
2. Find your CD ROM drive.
3. With the MTH CD ROM in the drive, double click on the icon for the CD ROM drive.
4. Find the folder on the CD ROM entitled INSTALLATION.
5. Choose the folder inside entitled ACROBATREADER.

\*If you are running Windows 95, 98 or NT choose the folder 32BIT. Run the file AR32E301.EXE and follow the directions it provides.

If you have problems you cannot resolve by using these directions, contact [custserv@mth-railking.com](mailto:custserv@mth-railking.com) or call 410-381-2580 for further help.

## Troubleshooting Proto-Sound® 2.0 Problems

Although Proto-Sound 2.0 has been designed and engineered for ease of use, you may have some questions during initial operation. The following table should answer most questions. If your problem cannot be resolved with this table, contact M.T.H. for assistance (e-mail: service@mth-railking.com; telephone: 410-381-2580; fax: 410-423-0009; mail: 7020 Columbia Gateway Drive, Columbia MD 21046-1532).

| <b>Starting Up</b>  | <b>Remedy</b>   |
|---|---|
| When I first turn the power on, the engine will not begin to run.   | This is normal behavior. To prevent accidental high-speed start-ups, Proto-Sound 2.0 is programmed to start up in neutral any time track power has been turned off for several seconds. See the "Basic Operation" section for more details. |
| The engine will not start after I press the Direction button.   | You may not be sending enough power to the track to power the engine. Press the throttle up for a few more seconds to increase track power.   |
| My engine sounds are distorted and garbled.   | The battery may have run down, especially if the engine has been in storage for some time. See the "Self-Charging Battery Back-Up" section of these instructions for how to test, recharge, and (if necessary) replace the battery.         |
| <b>Whistle</b>  | <b>Remedy</b>   |
| I can't get the whistle to blow when I press the whistle button.  | You may be pressing the button too quickly. Try pressing the Whistle button more slowly, taking approximately one full second to fully depress the button.  |
| <b>Bell</b>   | <b>Remedy</b>   |
| I can't get the bell to ring when I press the bell button.  | You may be pressing the button too quickly. Try pressing the bell button more slowly, taking approximately one full second to fully depress the button.   |
| <b>Coupler</b>  | <b>Remedy</b>   |
| When I try to fire the coupler, PS A starts.  | You are waiting too long between whistle button presses. See the timing instructions located at the beginning of the "Proto-Sound 2.0 Operating Instructions" section.  |
| The Proto-Coupler won't let the engine uncouple on the fly.   | Try lubricating the coupler knuckle and drivet with a dry graphite lubricant.   |
| The coupler does not fire or stay coupled.  | The coupler needs to be cleaned. Wipe with denatured alcohol (not rubbing alcohol) and let dry.   |
| <b>Cab Chatter</b>  | <b>Remedy</b>   |
| Sometimes the Cab Chatter sounds don't play.  | Cab Chatter plays only in neutral at random intervals.  |
| <b>Lock-out</b>   | <b>Remedy</b>   |
| I can't get the engine to run after I power up the transformer. It sits still with the diesel and compressor sounds running. The engine won't lock into forward, neutral, or reverse. | The engine may be locked into the neutral position. Follow the procedure in the "Lock into a Direction" section to unlock the engine's direction. Engine speed must be below 10 scale mph (approx. 10 volts or less in conventional mode).  |

| <b>Volume</b>   | <b>Remedy</b>   |
|---|---|
| The sounds seem distorted, especially when the whistle or bell is activated.  | Proto-Sound 2.0 volume is set too high. Turn the volume control knob on the bottom of the chassis counter-clockwise to reduce the volume.   |
| No Sound  | Volume is set too low, adjust volume control knob on the bottom of the chassis clockwise to increase the volume or check connector to speaker.  |
| <b>Battery</b>  | <b>Remedy</b>   |
| The engine will not leave the initial neutral setting.  | Check to be sure the battery is installed and fully charged. See the "Self-Charging Battery Back-Up" section.   |
| I get no sound when the engine shifts between directions.   | The battery may be dead or need to be charged. See the "Self-Charging Battery Back-Up" section.   |
| After I turn off my transformer, my engine continues to make sounds before quitting.  | Proto-Sound 2.0 is designed to continue to sound for a few seconds after power to the track has been shut off to allow for a more realistic shut-down.  |
| <b>PSA</b>  | <b>Remedy</b>   |
| The PSA sounds occasionally repeat themselves.  | Proto-Sound 2.0 has a built-in random number generator that randomly selects each sound clip to play. Because there are a limited number of sound clips available in each PSA sequence, it is probable that some of these sound clips will be repeated from time to time. |
| Once in PSA, the engine doesn't go into reverse.  | So that PSA effects can be as realistic as possible, Proto-Sound 2.0 disables the reversing unit whenever PSA is enabled. This way the engine remains still at its stop as the operator cycles through the PSA sequences.   |
| When the PSA enters its last sequence the bell automatically comes on.  | PSA is programmed to start ringing the bell and then to put the engine in motion at that point. After approximately 15 rings of the bell, it will automatically turn off.   |
| When PSA is enabled, pressing the Horn and bell button has no effect.   | Because PSA must control various effects in each sequence, Proto-Sound 2.0 takes control of these sound effects until you exit PSA.   |
| If I push the Direction button but the next sound clip in the sequence does not play or the engine does not come out of PSA after the fourth press of the Direction button. | Each PSA clip must play for a certain amount of time before PSA will advance to the next step in the PSA cycle. Wait at least 30 seconds in each PSA sound clip before pressing the Direction button.   |

# Compatibility

While this Ready-To-Run set is equipped with everything you need to operate it, the design allows flexibility. The train will operate on any traditional O-31 or larger O Gauge track system, including the Scale Trax™ included with this set or traditional tubular track. It is also compatible with most standard AC transformers, including the hobby transformer packaged with your set.

## Transformer Compatibility and Wiring Chart

Note that many of the operational commands described in these instructions require a bell button, so if you are using a transformer other than the one included in this set and your transformer does not have its own bell button, you should consider adding one to get the full benefit of the system.

| Transformer Model                     | Center Rail            | Outside Rail          | Min/Max. Voltage | Power Rating | Transformer Type |
|---------------------------------------|------------------------|-----------------------|------------------|--------------|------------------|
| MTHZ-500                              | Red Terminal           | Black Terminal        | 0-18v            | 50-Watt      | Electronic       |
| MTHZ-750                              | Red Terminal           | Black Terminal        | 0-21v            | 75-Watt      | Electronic       |
| MTHZ-4000                             | Red Terminal           | Black Terminal        | 0-22v            | 390-Watt     | Electronic       |
| Lionel1032                            | U                      | A                     | 5-16v            | 90-Watt      | Standard         |
| Lionel1032M                           | U                      | A                     | 5-16v            | 90-Watt      | Standard         |
| Lionel1033                            | U                      | A                     | 5-16v            | 90-Watt      | Standard         |
| Lionel1043                            | U                      | A                     | 5-16v            | 90-Watt      | Standard         |
| Lionel1043M                           | U                      | A                     | 5-16v            | 90-Watt      | Standard         |
| Lionel1044                            | U                      | A                     | 5-16v            | 90-Watt      | Standard         |
| Lionel1053                            | U                      | A                     | 8-17v            | 60-Watt      | Standard         |
| Lionel1063                            | U                      | A                     | 8-17v            | 60-Watt      | Standard         |
| All-Trol                              | Left Terminal          | Right Terminal        | 0-24v            | 300-Watt     | Electronic       |
| Dallee Hostler                        | Left Terminal          | Right Terminal        |                  |              | Electronic       |
| Lionel LW                             | A                      | U                     | 8-18v            | 75-Watt      | Standard         |
| Lionel KW                             | A or B                 | U                     | 6-20v            | 190-Watt     | Standard         |
| Lionel MW                             | Outside Track Terminal | Inside Track Terminal | 5-16v            | 50V.A.       | Electronic       |
| Lionel RS-1                           | Red Terminal           | Black Terminal        | 0-18v            | 50V.A.       | Electronic       |
| Lionel RW                             | U                      | A                     | 9-19v            | 110-Watt     | Standard         |
| Lionel SW                             | U                      | A                     | Unknown          | 130-Watt     | Standard         |
| Lionel TW                             | U                      | A                     | 8-18v            | 175-Watt     | Standard         |
| Lionel ZW                             | A, B, C or D           | U                     | 8-20v            | 275-Watt     | Standard         |
| Lionel Post-War Celebration Series ZW | A, B, C or D           | Common                | 0-20v            | 135/190 Watt | Electronic       |

# Additional Features Accessible with the DCS Remote Control System: (additional equipment required)

While conventional mode operation of a Proto-Sound 2.0 engine yields wonderfully realistic sound and several train control features, command mode operation allows the user to access a world of command functions never before accessible to O Gauge railroaders. With the addition of the DCS Remote Control System (including a DCS remote handheld and Track Interface Unit) users gain many advanced features, including:

- DCS Proto-Speed Control - Establishes desired locomotive speed in scale miles per hour increments via a thumb wheel control and allows operator to set maximum speed and acceleration/deceleration rates
- ProtoSmoke<sup>®</sup> Variable Output Control - Control show much smoke each engine outputs and matchessmoke to locomotive speed
- Locomotive Lighting Control - Controls locomotive headlights, marker and interior lights, beacon lights, ditch lights, and MARS lights
- Emergency Stop - Single button push stops all Proto-Sound 2.0 trains but does not turn off the power
- One Touch Global Mute/Unmute - Single button mutes or unmutes all DCS-controlled locomotives' user-defined actions, including sound, lights, and smoke
- Proto-Dispatch Operation - Public Address-like feature allows user to speak through locomotive speaker during operation
- Proto-Cast - Allows user to play audio recording through locomotive speaker during operation
- Proto-Doppler Sound Effects Setup - Users can configure locomotive for Doppler Operation, including setting distance points for Doppler start, repeat, and stop modes
- Independent Volume Control of Engine Sounds, Bell, Horn & Whistle for each Locomotive
- Control up to 50 different DCS-Equipped Locomotives at one time with multiple TIUs
- Proto-Effects<sup>™</sup> Setup - Users can select individual Proto-Effects<sup>™</sup> operations to be active or inactive, including cab chatter, train wreck sounds, couplers sounds, and wheel clickety-clack sounds
- Direction Control Setup - Users can set initial individual start-up direction (start in forward or reverse) for double-heading operations
- Locomotive Consist Set-up - Users can determine locomotive values for consist make-ups, allowing multiple locomotives belonging to a consist to operate together
- Query Locomotive Information - Users can query locomotive programming to learn locomotive address and engine data information, including scale mile traveled
- 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

Operating instructions for all DCS Command features will accompany the DCS remote control equipment.

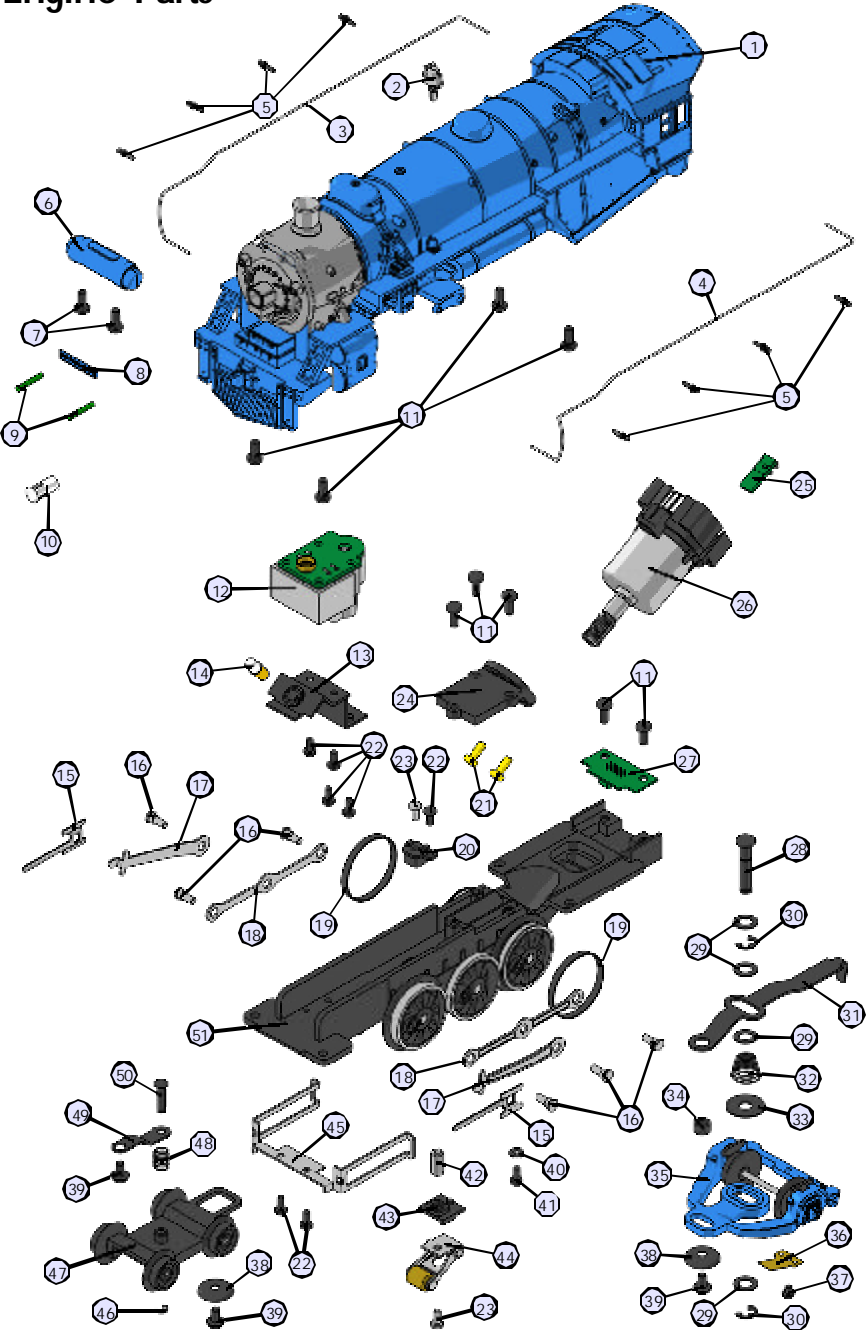
# 4-6-2 Blue Comet Steam Locomotive

## Engine Parts

| Name and Number  | Part #     |
|--|------------|
| 1.) Shell(blue, darkblue, graphite)<br>(boiler)(metal)(TheBlueComet)(#831)   | FB-1200260 |
| 2.) Bell(nickel)   | FB-1200101 |
| 3.) Handrail(nickel)(right)(boiler)  | FB-1210049 |
| 4.) Handrail(nickel)(left)(boiler)   | FB-1220056 |
| 5.) Stanchion ( black)<br>(plastic)(4.0mmlong)   | FB-1200215 |
| 6.) Feedwaterheater(blue)<br>(TheBlueComet)(#831)  | FB-1200261 |
| 7.) Screw(M2.5x8.0mm)(roundhead)   | IA-0000184 |
| 8.) Nameplate(blue, gold)<br>(TheBlueComet)  | FB-1200262 |
| 9.) Lens(green)<br>(2.2x8.0mm)(1.0x2.8mmlenshead)(markerlens)  | FA-0000093 |
| 10.) Lens(clear)(headlight)<br>(3.9x6.0x13.0mm)(7.0x2.1mm)(4ribsforpressfit)   | FA-1230022 |
| 11.) Screw(6/32x8.0mm)(roundhead)  | IA-0000050 |
| 12.) Smokeunit<br>(7.0x8.0x2.0x3.7mmbrasscup)(7.5mmlongposts)<br>(Proto-Sound®2.0&Loco-Sound™)   | AA-0000029 |
| 13.) Bracket(black)<br>(headlight/smokeunit)(metal)(angled)  | IH-0000262 |
| 14.) Bulb(clear)(headlight)<br>(6v)(smallglobe)(screwbase)   | CA-0000038 |
| 15.) Crosshead(nickel)(38.8mmlong)   | EC-1250016 |
| 16.) Bolt(nickel)(M3x8.0mm)(hexhead)   | IA-0000087 |
| 17.) Driverod(nickel)<br>(57.4mmlongw/bendinrod)   | EC-1250030 |
| 18.) Siderod(nickel)(70.0mmlong)(3boltholes)   | EC-1250031 |
| 19.) Tractiontire(black)(rubber)   | DE-0000023 |
| 20.) Insulator(black)(top)(square)(pick-up)  | BD-0000026 |
| 21.) Screw ( yellowZinc)<br>(M2.5x6.0mm)(roundheadw/lockwasher)  | IA-0000089 |
| 22.) Screw(4/40x6.0mm)(roundhead)  | IA-0000003 |
| 23.) Screw(nickel)(M3x6.0mm)(roundhead)  | IA-0000015 |
| 24.) Motormount(black)   | BI-0000034 |
| 25.) Tachboard<br>(w/1.5mmspacerbetweenboard&opticalsensor)  | AG-0000047 |
| 26.) Motor(RS-365SH)<br>(8.0x21.0mm wormgear)(12.5mmlongthreads)<br>(9.0x27.0mmwhiteflywheelw/blackstripes)<br>(tachboard&wiremountingstrap) | BE-0000096 |

|  |            |
|--|------------|
| 27.) PCboard(10pinfemaleplug)<br>(20.5x24.2mm)(w/2-IN4004diodes)                         | AG-0000044 |
| 28.) Pin(5.0x25.3mm)<br>(1.5x8.0mmflathead)(2e-clipgrooves)                              | IG-0000033 |
| 29.) Washer<br>(5.0x12.0x0.8mm)(metal)   | ID-0000012 |
| 30.) E-clip ( 3.5x9.0x0.6mm)   | IF-0000009 |
| 31.) Drawbar(black)<br>(89.3mmlong)(5.0mmstep&6.5mmstep)                                 | FB-1200263 |
| 32.) Spring(nickel)<br>(6.5x12.0x12.0mm)(0.6mmthickwire)                                 | IE-0000008 |
| 33.) Washer(5.0x15.0x0.5mm)  | ID-0000013 |
| 34.) Spacer(black)<br>(5.7x8.8x5.0mm)(plastic)   | ID-0000104 |
| 35.) Truck(blue)<br>(1axle)(trailing)(boiler)  | DA-1240041 |
| 36.) Groundstrap(copper)   | II-4500002 |
| 37.) Screw<br>(4/40x4.0mm)(roundhead)  | IA-0000021 |
| 38.) Spacer(black)<br>(3.5x15.0x2.5mm)(metal)(cupped)                                    | ID-0000014 |
| 39.) Screw ( 6/32x6.0mm)(washerhead)   | IA-0000214 |
| 40.) Washer(black)(3.0x6.0x0.4mm)(fiber)   | ID-0000040 |
| 41.) Screw ( 6/32x4.0mm)(roundhead)  | IA-0000060 |
| 42.) Nut(nickel)(2.5x5.0x10.0mm)   | IC-0000005 |
| 43.) Insulator(black)(pick-up)(bottom)(plastic)  | BD-0000001 |
| 44.) Pick-up (8.0x11.0mmroller)(24.0mmlong)  | BD-0000013 |
| 45.) Crossheadguideassembly(nickel)  | EA-1200018 |
| 46.) E-clip(2.5x6.0x0.5mm)   | IF-0000004 |
| 47.) Truck(blue)<br>(lead)(2axle)(boiler)(34.8mmwheelbase)                               | DA-1230032 |
| 48.) Spring(nickel)(6.5x9.0mm)(0.5mmthickwire)   | IE-0000009 |
| 49.) Bracket(black)<br>(leadtruck)(7.0x31.5mm)(5.5mmstep)                                | IH-1230010 |
| 50.) Pin(black)<br>( 3.0x15.0mm)(1.0x6.0mmroundedhead)<br>(1e-clipgroove0.5mmoutfromend) | IG-0000003 |
| 51.) Driveblock(blue)(3axle)   | DF-1200039 |
| NS.) Wireharness ( PCboardw/2resisters)  | BC-1200112 |
| NS.) Wireharness<br>(redmale2pinplug)(80.0mmlongwires)                                   | BC-1200113 |
| NS.) Wireharness<br>(greenmale2pinplug)(75.0mmlongwires)                                 | BC-1200114 |
| NS.) Wireharness<br>(blackmale2pinplug)(125.0mmlongwires)                                | BC-1200115 |

# 4-6-2 Blue Comet Steam Locomotive Engine Parts



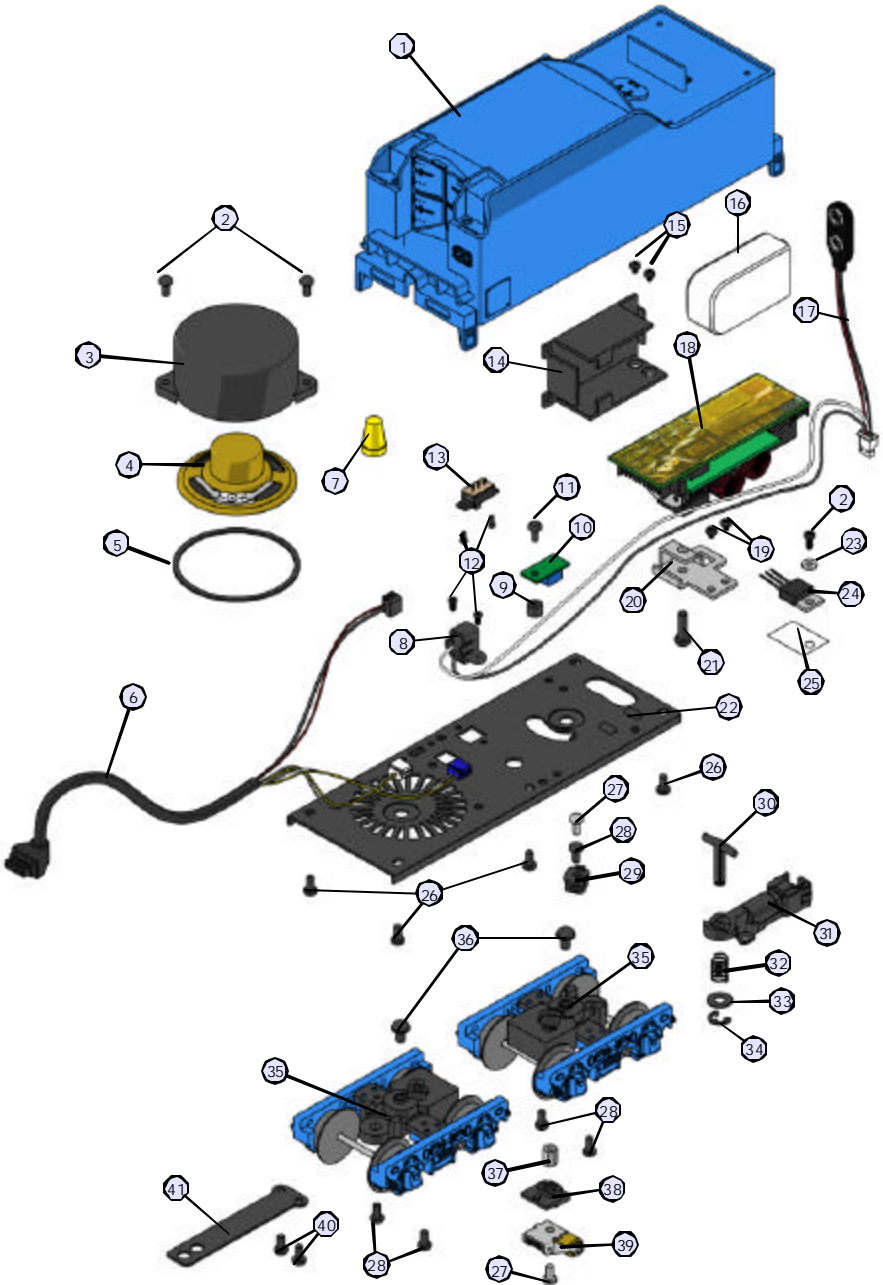


# 4-6-2 Blue Comet Steam Locomotive Tender Parts

| Name and Number  | Part #     |
|--|------------|
| 1.) Shell(blue,gold,black)<br>(tender)(NewJerseyCentral)(plastic)  | GA-1200104 |
| 2.) Screw<br>(M3x6.0mm)(roundhead)   | IA-0000016 |
| 3.) Speakercone(black)<br>(44.0x48.3x23.0mm)(2screwwholetabs)(plastic)                                   | BF-0000016 |
| 4.) Speaker<br>(STAR)(PR-050-A111)(16ohms)(MAX2W)  | BF-0000007 |
| 5.) Gasket(black)<br>(speakerring)(43.8x49.8x3.0mm)(foam)  | IB-0000009 |
| 6.) Wireharness<br>(blackmale10pinplug)  | BC-1200116 |
| 7.) Wirenut(yellow)  | BI-4500003 |
| 8.) Batterychargerjack(black)  | BG-0000001 |
| 9.) Spacer(black)<br>(3.0x6.0x4.0mm)(plastic)  | ID-0000071 |
| 10.) Volumepot(small)(blue)  | BI-0000040 |
| 11.) Screw<br>(M3x8.0mm)(roundhead)  | IA-0000035 |
| 12.) Screw<br>(M2x4.0mm)(roundhead)  | IA-0000058 |
| 13.) Switch(smal)(SPDT)  | BB-0000009 |
| 14.) Bracket(black)<br>(battery)( plastic)(verticalmount)  | IH-0000263 |
| 15.) Screw<br>(4/40x6.0mm)(flathead)   | IA-0000038 |
| 16.) Battery   | BG-4000001 |
| 17.) Batteryleads<br>(125.0mmlongwiresw/blacksmallmale2pinplug)<br>(60.0mmlongwiresw/batterychargerjack) | BC-0000108 |
| 18.) Boards(Proto-Sound® 2.0)  | AE-0000001 |
| 19.) Screw<br>(M3x4.0mm)(roundhead)  | IA-0000010 |
| 20.) Bracket(Aluminum)<br>(14.0x27.0x30.8x15.0mm)(10.0mmstep)<br>( forProto-Sound® 2.0boards)            | IH-0000264 |
| 21.) Screw<br>(6/32x12.0mm)(roundhead)   | IA-0000103 |
| 22.) Chassis (black)(tender)<br>( has holes forbatterychargerjack)                                       | GB-1200050 |
| 23.) Insulatorwasher(white)<br>(6.0x4.0x2.5mm)(plastic)  | ID-0000033 |
| 24.) Voltageregulator(LM2937ET)  | AG-0000032 |

|  |            |
|--|------------|
| 25.) Insulator(clear)<br>(13.0x19.0x0.1mm)(singlehole)               | ID-0000024 |
| 26.) Screw<br>(M3x16.0mm)(washerhead)(self-drillingthreads)          | IA-0000025 |
| 27.) Screw(nickel)<br>(M3x6.0mm)(roundhead)                          | IA-0000015 |
| 28.) Screw<br>(4/40x6.0mm)(roundhead)                                | IA-0000003 |
| 29.) Insulator(black)<br>(top)(square)(pick-up)                      | BD-0000026 |
| 30.) T-bar ( black)<br>(4.0x20.0mm)(plastic)                         | IG-0000001 |
| 31.) Coupler(black)<br>(51.0mmlong)(Proto-Sound® 2.0)                | DD-0000032 |
| 32.) Spring(nickel)<br>(6.5x14.0mm)(w/0.5mmthickwire)                | IE-0000022 |
| 33.) Washer(4.5x10.0x5.0mm)  | ID-0000009 |
| 34.) E-clip(3.0x8.0x0.5mm)   | IF-0000001 |
| 35.) Truck(blue)<br>(2axle)(leading/trailing)(tender)                | DA-1250014 |
| 36.) Screw<br>(6/32x6.0mm)(washerhead)                               | IA-0000214 |
| 37.) Nut(nickel)(2.5x5.0x7.0mm)                                      | IC-0000008 |
| 38.) Insulator(black)<br>(pick-up)(bottom)(plastic)                  | BD-0000001 |
| 39.) Pick-up<br>(8.0x11.0mmroller)(24.0mmlong)                       | BD-0000013 |
| 40.) Screw<br>(4/40x4.0mm)(roundhead)                                | IA-0000021 |
| 41.) Drawbar(black)<br>(12.1x67.3mm)(2mountingholes)(2couplingholes) | GA-1200105 |
| NS.) Wireharness<br>(blackmale2pinplug)(90.0mmlongwires)             | BC-0000109 |

# 4-6-2 Blue Comet Steam Locomotive Tender Parts



# Service & Warranty Information

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

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

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

**CAUTION:** Make sure the product is packed in its original factory packaging including its foam and plastic wrapping material so as to prevent damage to the merchandise. The shipment must be prepaid and we recommend that it be insured. *A cover letter including your name, address, daytime phone number, e-mail address (if available), Return Authorization number, a copy of your sales receipt and a full description of the problem must be included to facilitate the repairs. Please include the description regardless of whether you discussed the problem with a service technician when contacting the Service Center or M.T.H. for your Return Authorization.*

Please make sure you have followed the instructions carefully before returning any merchandise for service.

## 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.

M.T.H. products are warranted for one year from the date of purchase against defects in material or workmanship, excluding wear items such as light bulbs, pick-up rollers, batteries, smoke unit wicks, and traction tires. We will repair or replace (at our option) the defective part without charge for the parts or labor, if the item is returned to an Authorized M.T.H. Service Center or M.T.H. Electric Trains within one year of the original date of purchase. This warranty does not cover damages caused by improper care, handling, or use. Transportation costs incurred by the customer are not covered under this warranty.

Items sent for repair must be accompanied by a return authorization number, a description of the problem, and a copy of the original sales receipt from an Authorized M.T.H. Train Merchant, which gives the date of purchase. If you are sending the item to M.T.H., fill out the Service Contact form in the Service Section of [www.mth-railking.com](http://www.mth-railking.com); send US mail to the address listed below; call 410-381-2580, or fax 410-423-0009 to obtain a return authorization number. If you are sending this product to an Authorized Service Center, contact that Center for their return authorization.

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

Service Department





# AUTHORIZED SERVICE CENTER

7020 ColumbiaGateway Dr. - Columbia,MD 21046

Information: 410-381-2580 Fax:410-381-6122

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

## PARTICIPATING RETAILER LIST

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[railway@bellsouth.net](mailto:railway@bellsouth.net)

### ARIZONA

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MESA  
480-833-9486  
[sales@arizonatraindepot.com](mailto:sales@arizonatraindepot.com)  
[www.arizonatraindepot.com/](http://www.arizonatraindepot.com/)

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