



**Coors Light**  
**The Silver Bullet®**  
**Operating Reefer Car**  
OPERATION MANUAL

**CAUTION: ELECTRICALLY OPERATED PRODUCT:**

Recommended for Ages 14 and up. Not recommended for children under 14 years of age without adult supervision. As with all electric products, precautions should be observed during handling and use to prevent electric shock.

**WARNING:** When using electrical products, basic safety precautions should be observed, including the following:  
Read this manual thoroughly before using this device.

- M.T.H. recommends that all users and persons supervising use examine the hobby transformer and other electronic equipment periodically for conditions that may result in the risk of fire, electric shock, or injury to persons, such as damage to the primary cord, plug blades, housing, output jacks or other parts. In the event such conditions exist, the train set should not be used until properly repaired.
- Do not operate your layout unattended. Obstructed accessories or stalled trains may overheat, resulting in damage to your layout.
- This train set is intended for indoor use. Do not use if water is present. Serious injury or fatality may result.
- Do not operate the hobby transformer with damaged cord, plug, switches, buttons or case.

PLEASE READ BEFORE USE AND SAVE

[www.mthtrains.com](http://www.mthtrains.com)

The Coors Light Silver Bullet Operating Reefer car was designed to complement the complete Coors Light Silver Bullet Train Set (M.T.H. Item number 30-1433-1). The operating reefer car features (opening door, flashing interior LEDs and blowing smoke (frost) cannot be activated unless the Silver Bullet locomotive is on the same track. The locomotive does not need to be connected to the reefer car but does need to be within six feet in order for the digital signal transmitted from the locomotive to be received by the operating reefer car.

The following pages contain instructions on operating the reefer car with the Silver Bullet locomotive in conventional mode only. Instructions for operating the car in command mode using the DCS command mode features accompany the DCS Remote Control System equipment (sold separately).

## Activating Proto-Sound 2.0 Conventional Mode Features

The operating reefer car features an operating door, interior LED flashing lights and operating smoke units simulating cold frosted air. The Silver Bullet locomotive in the separately sold set triggers the car to operate when a specific series of Whistle and Bell (W-B) button presses are made on a transformer equipped with both whistle and bell buttons.

The feature that will trigger the door to open, the LEDs to flash and the smoke to activate is called Freight Yard Announcements. Activating this feature is based on the “timing” of the whistle and bell button presses. The chart below indicates the timing sequence required of the operator. Some practice may be required before consistent operation of the features occurs.

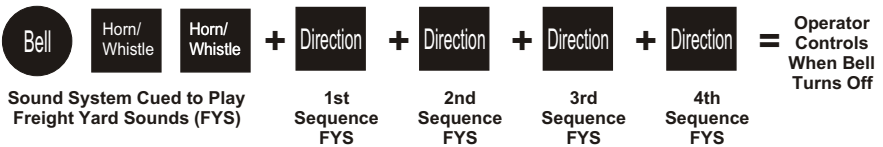
Timing Chart				
Press Horn Short & Firm	½ Sec. Pause	Press Bell Short & Firm	½ Sec. Pause	Press Bell Short & Firm
Total Time Lapse: 1 ½ Seconds				

Feature to Be Activated:	Button Code:
Freight Yard Announcements	1 Bell, 2 Whistles

## Freight Yard Sounds (FYS):

The Silver Bullet locomotive is equipped with a Freight Yard Sound (FYS and feature package that simulates the delivery of ice cold beer. **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 FYS/PSA sufficient time to run through each sequence.**

- To cue the sound system to play the FYS/PSA, quickly but firmly tap the Bell button once followed by 2 quick taps of the Horn/Whistle button while the engine is moving. Tap the buttons quickly but allow approximately ½ second between each press. This function will result in the playing of the bell’s music sound.
- Press the Direction button once to stop the engine. This will trigger the first sequence of FYS (the opening of all the reefer car doors). The reverse 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 Horn/Whistle and Bell buttons until the full FYS sequence is complete.
- After waiting about 30 seconds for that sequence to run, press the Direction button again to trigger the second sequence of FYS (the closing of the doors).
- After about 30 seconds, press the Direction button again to trigger the third FYS sequence (the 5:00 whistle sound).
- Again, after allowing about 30 seconds for that sequence to run, press the Direction button to trigger the last FYS sequence. Within a few seconds, the engine will start and move out on its own at the current throttle setting, in the same direction it was traveling when you began the sequence while playing the bell’s music sounds. Once the music turns off, the operator regains control of the transformer’s Bell and Horn/Whistle buttons and can play the bell’s music or blow the horn/whistle as usual.

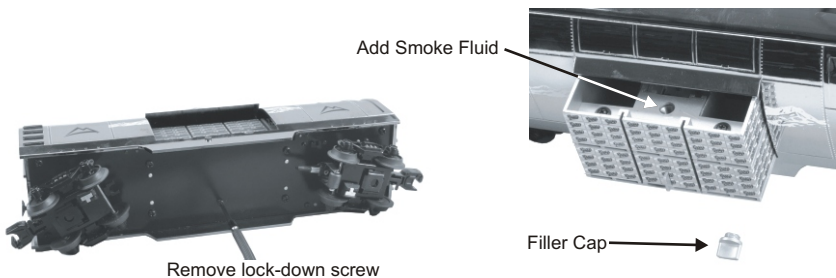


## Tips on Using FYS

- You can terminate FYS at any time by turning off power to the track for 15 seconds.
- You do not have to be in Forward to use FYS. 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 FYS 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 FYS. Otherwise, the engine without FYS will begin vibrating on the track as its motors strain to move the train, since they cannot be automatically disabled during the FYS cycle (or if an original Proto-Sound engine, FYS are triggered differently and that engine's motor-disable feature will not be active when you run FYS in Proto-Sound 2.0).
- FYS can be triggered from Neutral. It will operate the same as if triggered while in motion except that, at the conclusion of the FYS, the engine will depart in the next direction of travel, as opposed to the direction it was traveling before entering Neutral.

## Adding Smoke Fluid (Operating Reefer)

- Ensure the lock-down screw is removed during un-packaging
  - Open the reefer door
  - Pull the beer cargo load out using the tab molded into the bottom of the beer load
  - Remove the filler cap
  - Put in the same amount that you would for an engine (10-15 drops)
  - Put filler cap back on
  - Push beer cargo load all the way to the back of the car. If not pushed all the way back it can interfere with the door operation
- Close the reefer door



# 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:

- The Silver Bullet engine uses special DSP code to remotely trigger the Coors reefer
- CDS softkey Coors Delivery Stop. Plays a howling wind sound from the engine and the door open/close and smoke/LED functions happen automatically. It lasts approx 30 seconds
- CDO softkey Coors Door Open. Plays the mechanical door opening sound in time with the door opening on the reefer. The smoke and LED's will run. The door will stay open indefinitely. The smoke will shut itself off after 3 min. the LED's will run indefinitely
- CDC Coors Door Close. Plays the mechanical door closing sound in time with the door closing on the reefer. The LED's and smoke will shut off when the door shuts
- FYS This will play the FYS script just like any other engine, except the Freight Sounds are a loading dock for beer delivery. The reefer door will open (the smoke unit will already be running to preheat) and the LED's will come on and the mechanical door opening sound will play in time with the door opening on the first DIR button press. The DIR button will cycle the FYS just like a regular engine. The 2nd DIR button press will close the door and the smoke and LED's will shut off when the door closes. Also, the mechanical door sounds will play in time with the door shutting. The 4<sup>th</sup> DIR button press will wrap up the FYS sequence and the engine will pull out of the freight dock at the same speed it entered (when the FYS button was pressed).omotives belonging to a consist to operate together
- The reefer door, when it first comes out of the box, may not be perfectly timed to the door open/close sounds. This is normal. Cycling the door open/closed 5 times will set the door speed to match the door open/close sounds.

# Service & Warranty Information

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

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

First, e-mail, write, call or fax M.T.H. Electric Trains or a M.T.H. Authorized Service Center (ASC) in your area to obtain Repair Authorization. You can find the list of ASCs on the M.T.H. Website, [www.mth-railking.com](http://www.mth-railking.com). Authorized Service Centers are required to make warranty repairs on items sold *only* from that store; all other repairs may-- or may not be done at the store's own discretion. If you did not purchase the item directly from the ASC, you will need to select a National Authorized Service Center (NASC) or contact M.T.H. Electric Trains directly. NASC Dealers are compensated by M.T.H. to perform warranty service for any customer whose repair qualifies for warranty service. A list of NASC retailers can be located on the M.T.H. Website or by calling 410-381-2580. Should the warranty no longer apply, you may choose either an ASC or NASC retailer to service your M.T.H. Product. A reasonable service fee will be charged.

**CAUTION:** Make sure the product is packed in its original factory packaging including its foam and plastic wrapping material to prevent damage to the merchandise. There is no need to return the entire set if only one of the components is in need of repair *unless otherwise instructed by the Service Center*. **The shipment must be prepaid and we recommend that it be insured. A cover letter including your name, address, daytime phone number, e-mail address (if available), Return Authorization number (if required by the service center, a copy of your sales receipt and a full description of the problem must be included to facilitate the repairs. Please include the description regardless of whether you discussed the problem with a service technician when contacting the Service Center for your Return Authorization.**

Please make sure you have followed the instructions carefully before returning any merchandise for service. Authorized M.T.H. Service Centers are independently owned and operated and are not agents or representatives of M.T.H. Electric Trains. M.T.H. assumes no responsibility, financial or otherwise, for material left in their possession, or work done, by privately owned M.T.H. Authorized Service Centers. If you need assistance at any time email MTH Service at [service@mth-railking.com](mailto:service@mth-railking.com), or call 410 381-2580.

## Limited One-Year Warranty

All M.T.H. products purchased from an Authorized M.T.H. Retailer are covered by this warranty. See our Website to identify an Authorized M.T.H. Retailer near you.

M.T.H. products are warrantied 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 replace or credit (at our option) any defective item with a manufactured suggested retail price of \$279.95 or less (excluding all motive power and electronic items), if the item is returned to an M.T.H. Authorized Service Center (ASC) or M.T.H. National Authorized Service Center (NASC) within one year of the original date of purchase. For any item with an MSRP greater than \$279.95 (including all motive power and electronics), We will repair, replace or credit (at our option) the defective item without charge for the parts or labor, if the item is returned to an M.T.H. Authorized Service Center (ASC) or M.T.H. National Authorized Service Center (NASC) within one year of the original date of purchase. This warranty does not cover damages caused by improper care, handling, or use. Transportation costs incurred by the customer to ship the product for warranty service 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. Retailer stating the date of purchase. If you are sending this product to an Authorized Service Center, contact that Center for their return authorization.

This warranty gives you specific legal rights, and you may have other rights that vary from state to state. Specific questions regarding the warranty may be forwarded to M.T.H. directly

Service Department  
M.T.H. Electric Trains  
7020 Columbia Gateway Drive  
Columbia MD 21046-1532  
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[service@mth-railking.com](mailto:service@mth-railking.com)