



72-9811-250  
8/05

# Hot Box Reefer

**C**ongratulations on your purchase of the Lionel Hot Box Reefer! When a wheel bearing overheats, it causes the brakeman's nightmare known as a "hot box." The Hot Box Reefer allows you to recreate this red-hot situation. The scenario begins with a screeching sound and a red glow under the car. The lights, sounds, and smoke intensify until you stop the train to allow the crew to "cool that spindle." Crew dialog keeps you on top of the situation.

## Adding smoke fluid

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**B**efore operating the Hot Box Reefer, be sure to add 10-15 drops of smoke fluid to the smoke generator. As illustrated in Figure 1, smoke fluid is added under the rooftop hatch. Add a few drops of smoke fluid when smoke production decreases.

**Note!** Add only a few drops of smoke fluid. Do not over fill the smoke unit.

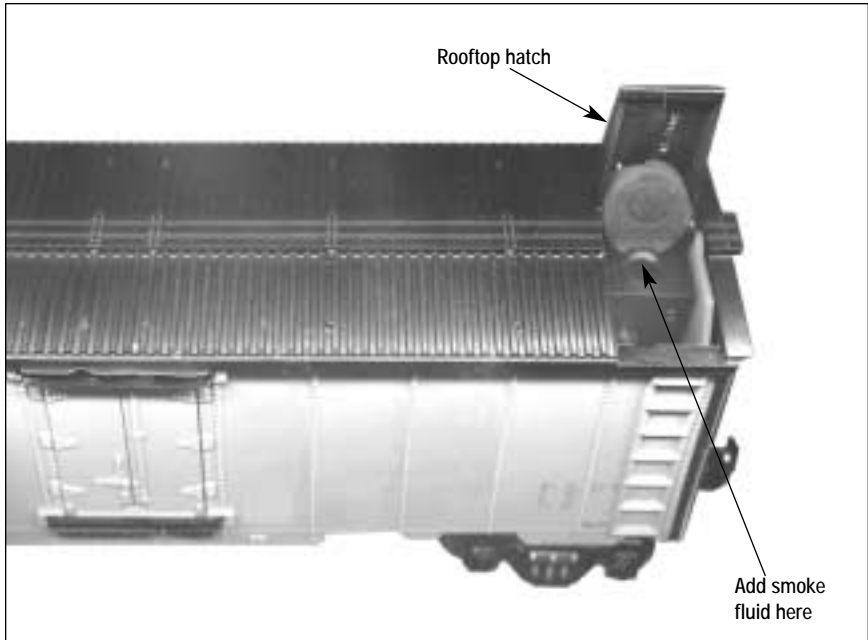


Figure 1. Adding smoke fluid

## Operating the Hot Box Reefer

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**T**he Hot Box Reefer operates best at 10-18 volts (AC). Couple the car to any Lionel locomotive, and the exciting scenario will begin.

**Caution!** Add smoke fluid to the smoke unit or switch off the smoke unit before operating this car to prevent damage to the smoke unit.

**Note!** Stopping the train will restart the sequence.

- As the car begins to roll along the track, you will hear random crew dialog.
- After about 30 seconds, you will hear the screeching of the overheated bearing. Look closely, and you will notice a red glow and light smoke under the car.

**Note!** When you first activate the sequence, you may find that the smoke unit requires a few minutes to warm up.

- About 20 seconds later, the effects intensify. The train crew grows more concerned.
- After another 30 seconds, the smoke, sounds, and lights simulate a full blaze. The car appears to be on fire!
- When you decide to stop the train, the blaze will briefly continue. Soon, you will hear the sound of the train crew dousing out the fire with bucket of water.

**Note!** In the conventional environment, be sure to keep the power interruptions brief when cycling the locomotive's reverse unit to neutral. If you press and hold the DIRECTION button or turn off track power for too long, the red lights will turn off for the rest of the hot box sequence.

- Once the crew announces that the bearing is repacked and ready to go, you can throttle up and restart the sequence. You will hear train crew dialog until the car begins to move.

## Turning off the Hot Box Reefer

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**Note!** To turn off the Hot Box Reefer in the conventional environment, use the WHISTLE/HORN button on your standard transformer. In the TrainMaster Command Control environment, you must address your PowerMaster, TPC, or TMCC-equipped ZW Transformer (press **TR**, enter the ID#), and then press the WHISTLE/HORN button on the CAB-1 Remote Controller.

**Y**ou may choose to turn off the operation of the Hot Box Reefer while it is a part of a moving train. When the car is not in motion or before the screeching starts, simply hold down the WHISTLE/HORN button for eight seconds. You will hear, "Wake me when we get there," indicating that the hot box sequence has been turned off.

To reactivate the sequence, power down the track or hold down the WHISTLE/HORN button for eight seconds. Once again, you will hear, "Wake me when we get there." The hot box sequence will begin.

**Note!** The hot box sequence stopped when you turn off track power or by pressing the WHISTLE/HORN button for eight seconds or longer.

## Fine-tuning the operation of the Hot Box Reefer

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**U**se the switches and volume control knob on the underside of the car to fine-tune its operation. Refer to Figure 2.

**Volume control knob.** Adjusts the volume.

**Sound switch.** Turns the sound on (SND) and off (NO SND).

**Light switch.** Turns the LEDs on and off.

**Smoke switch.** Turns the smoke on (SMK) and off (NO SMK).

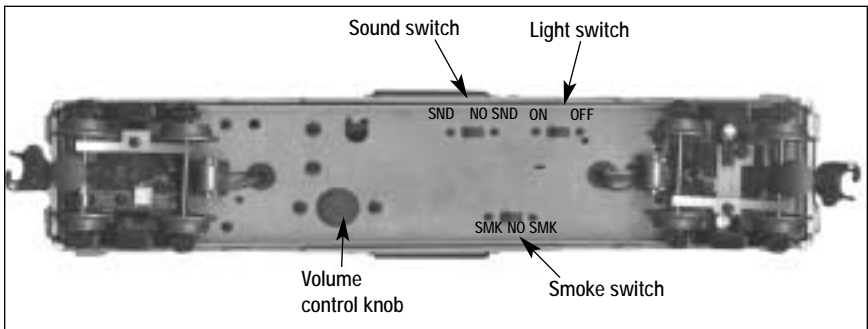


Figure 2. Switch and volume control knob locations

## Servicing the LEDs

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**Y**our car is illuminated by two LEDs, which are expected to last for the life of the car. Only an authorized Lionel Service Center should service the LEDs, if it becomes necessary.

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## Limited Warranty/Lionel Service

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**T**his Lionel product, including all mechanical and electrical components, moving parts, motors and structural components, except for light bulbs, is warranted to the original consumer-purchaser, for **one year** against original defects in materials or workmanship when purchased through an authorized Lionel merchant.

This warranty does NOT cover normal wear and tear, light bulbs, defects appearing in the course of commercial use, or damage resulting from abuse or misuse of the product by the purchaser. Transfer of this product by the original consumer-purchaser to another person voids this warranty. Modification of this product voids this warranty.

Any warranted product which is defective in original materials or workmanship and is delivered by the original consumer-purchaser to Lionel L.L.C. or an authorized Lionel L.L.C. Service Center, together with proof of original purchase will, at the option of Lionel L.L.C., be repaired or replaced, without charge for parts or labor. In the event the defective product cannot be repaired, and a replacement is not available, a refund of the original purchase price will be granted. Any products on which warranty service is sought must be sent freight or postage prepaid, as transportation and shipping charges are not covered by the warranty.

### **In no event shall Lionel L.L.C. be liable for incidental or consequential damages.**

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you.

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

### **Instructions for Obtaining Service**

If service for this Lionel L.L.C. product is required, bring the item, along with your dated sales receipt and completed warranty information to the nearest Authorized Lionel Service Center. Your nearest Lionel Service Center can be found by calling 1-800-4-Lionel, or by accessing our Website at [www.lionel.com](http://www.lionel.com).

If you prefer to send your product back to Lionel L.L.C. for repair in Michigan, you must first call 586-949-4100 or FAX 586-949-5429, or write to Customer Service, P.O. Box 748, New Baltimore, MI 48047-0748, stating what the item is, when it was purchased and what seems to be the problem. You will be sent a return authorization letter and label to ensure your merchandise will be properly handled upon receipt.

Once you have received your return authorization and label, make sure that the item is packed to prevent damage during shipping and handling. We suggest that you use the product's original packaging. This shipment must be prepaid and we recommend that it be insured.

Please make sure you have followed all of the above instructions carefully before returning any merchandise for service. You may choose to have your product repaired by one of our Authorized Lionel Service Centers after its warranty has expired. A reasonable service fee will be charged.

### **Warranty Information**

Please complete the information below and keep it, along with your dated sales receipt. You must present this and your dated sales receipt when requesting warranty service.

Name \_\_\_\_\_

Address \_\_\_\_\_

Place of Purchase \_\_\_\_\_

Date of Purchase \_\_\_\_\_

Product Number \_\_\_\_\_

Product Description \_\_\_\_\_



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