Lionel

352 Icing Station

Owner’s Manual
Congratulations

Congratulations on your purchase of the Lionel 352 Icing Station! Throw the control switch, and you will enjoy watching this classic accessory as the attendant loads blocks of ice into an awaiting ice car (available separately).
This accessory is perfect for any Lionel layout.

352 Icing Station Inventory

- 352 Icing Station
- Control switch
- Three wires
- Ten ice cubes
- Owner’s manual

Table of contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assembling your 352 Icing Station</td>
<td>3</td>
</tr>
<tr>
<td>Wiring your 352 Icing Station</td>
<td>4</td>
</tr>
<tr>
<td>Placing your 352 Icing Station on your layout</td>
<td>5</td>
</tr>
<tr>
<td>Operating your 352 Icing Station</td>
<td>6</td>
</tr>
<tr>
<td>Notes</td>
<td>7</td>
</tr>
<tr>
<td>Limited Warranty/Lionel Service</td>
<td>8</td>
</tr>
</tbody>
</table>
Assembling your 352 Icing Station

Set up this action-packed accessory! Follow these steps and refer to Figure 1 as you assemble your Icing Station.

1. **Attach the lower chute.** Insert the large tab into the slot on the top platform, then insert the two bottom hooks into the two slots on the lower platform. Four ice cubes are glued to the lower chute to give the illusion of ice sliding down to the loading dock.

2. **Attach the upper chute by squeezing the chute just below the two pivot pins, then inserting the chute into the slots on the side of the depot building.** The bottom of the upper chute rests on the top of the lower chute.

3. **Assemble and attach the depot attendant figure.** Insert the figure’s arms into its body so that the shovel is positioned on the front side of the body. Press the figure onto the metal tab that travels in the slot on the top platform.

**Figure 1. Icing Station assembly**
Wiring your 352 Icing Station

You may choose to power your Icing Station with a Lionel LockOn, your transformer, or a separate accessory power supply. This accessory requires 12-18 volts (AC). Refer to Figure 2 for the complete wiring diagram.

**Caution!** You need the ends of the wires to be stripped back 1/4” to 3/8”.

To strip the wires, use a pair of wire strippers or a sharp knife. Only an adult should perform this task!

Always use care when stripping wires.

1. **Attach one wire to either of the spring clip terminals and connect it to one of the accessory terminals on your power supply.**

Spring clip terminal connections: Press down on the top of the terminal clip so that a metal loop is exposed. Slide the bare end of the wire into the exposed loop. Release pressure on the terminal clip, allowing the crimped metal to pinch the end of the wire in the metal loop. Give a little tug on the wire to check if the hold is secure.

2. **Attach another wire to the remaining spring clip terminal on the Icing Station and connect it to the screw terminal on the small switch that was included with the accessory.**

3. **Attach a final wire from the other switch terminal and connect it to the other accessory terminal on your power supply.**

![Figure 2. Icing Station wiring](image-url)
Placing your 352 Icing Station on your layout

Place the Icing Station along a straight section of track that is at least 11 inches long. If the station is located between two parallel tracks, allow at least six inches between the tracks. Be sure that your trains clear this accessory.

For traditional O and O-27 track, swing the two track supports open on the side of the station and place the nearest outside rail into the rectangular notch in the track supports. Refer to Figure 3.

For FasTrack track, swing the two track supports open on the side of the station and position the edge of the road bed into the FasTrack notch. Refer to Figure 3 for notch location.

Figure 3. Track support positioning (O and O-27 gauge track)
Operating your 352 Icing Station

You are ready to load your ice cars (available separately)! Follow these steps and refer to Figure 4 as you operate this accessory.

1. Stock the Icing Station by sliding the ice blocks into the depot building. The ice blocks will line up on the chute, ready to be loaded by the attendant. You may choose to load the ice cubes by stacking them above the fixed ice cubes on the lower chute, then raising the chute to allow the cubes to slide into the building. Otherwise, place each cube into the back of the station building, one at a time.

2. Align your train so that the hatch at the top of the ice car is next to the depot’s ice block loading lever.

3. Move the slide switch to the ON position, and the attendant will begin to load ice into the car until the switch is moved to the OFF position. Load only five blocks at a time.

   Caution! Be sure to switch the accessory OFF when the ice block loading lever is against the dock. If the lever remains over the track, your train could hit the lever.

4. Unload the blocks from the ice cars by pulling down the hinged unloading door.
   To prevent jamming the mechanism, do not turn a loaded ice car over.

![Figure 4. Operating the Icing Station](image-url)
Lionel Limited Warranty Policy & Service

This Lionel product, including all mechanical and electrical components, moving parts, motors and structural components, with the exception of LIGHT BULBS & LED’s are warranted to the original owner-purchaser for a period of one year from the original date of purchase against original defects in materials or workmanship when purchased through a Lionel Authorized Retailer®.

This warranty does NOT cover the following: Normal wear and tear, Light bulbs or LED’s, Defects appearing in the course of commercial use, or Damage resulting from abuse/misuse of the product.

Transfer of this product by the original owner-purchaser to another person voids this warranty in its entirety. Modification of this product in any way; visually mechanically or electronically, voids the warranty in its entirety.

Any warranted product which is defective in original materials or workmanship and is delivered by the original owner-purchaser (this warranty is non-transferable) to Lionel LLC or any Lionel Authorized Service Station MUST be accompanied by the original receipt for purchase (or copy) from an Lionel Authorized Retailer®, will at the discretion of Lionel LLC, be repaired or replaced, without charge for parts or labor. In the event the defective product cannot be repaired, and a suitable replacement is not available, Lionel will offer to replace the product with a comparable model (determined by Lionel LLC), if available. In the event a comparable model is not available the customer will be refunded the original purchase price (requires proof of purchase from the Lionel Authorized Retailer® it was originally purchased). Any products on which warranty service is sought must be sent freight or postage prepaid (Lionel will refuse any package when postage is due).

Transportation and shipping charges are not covered as part of this warranty.

NOTE: Products that require service that do not have a receipt from an LIONEL AUTHORIZED RETAILER® will be required to pay for all parts required to repair the product (labor will not incur a charge) providing the product is not older than 5 years from date of manufacture and is within 1 year from date of purchase. A copy of the original sales receipt is required.

In no event shall Lionel LLC be held 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 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 LLC product is required; bring the item, along with your DATED sales receipt and completed warranty information (at the bottom of this page) to the nearest Lionel Authorized Service Station. Your nearest Lionel Service Station can be found by calling 1-800-4-LIONEL or by accessing the website at www.lionel.com.

If you prefer to send your Lionel product directly to Lionel, for repair you must FIRST call 586-949-4100 extension 9105 or FAX Lionel at 586-949-5429 or write to Customer Service, 50625 Richard W. Blvd, Chesterfield, MI 48051-2493. Please have the 6-digit Lionel product number, the date of original purchase, the dealer where the item was purchased and what seems to be the problem. You will receive a Verbal return authorization (RA) number to ensure your merchandise will be properly tracked and handled upon receipt at Lionel LLC.

Once you have your Return Authorization (RA) number, make sure the item is packed in its original Styrofoam inner container which is placed inside the original outer display box. (this will help prevent damage during shipping and handling). This shipment MUST be prepaid and we recommend that it be insured with the carrier of your choice.

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 Lionel LLC’s Authorized Service Stations after its warranty has expired. A reasonable service fee should be expected once the product warranty has expired.

Warranty Information

Please complete the information below and keep it, along with your DATED ORIGINAL SALES RECEIPT. You MUST present this form AND your DATED SALES RECEIPT when requesting warranty service.

* A complete listing of Lionel Authorized retailers can be found by calling 1-800-4-LIONEL or by visiting our website at www.lionel.com.

Products that are more than 5 years old, from date of manufacture, are not applicable for warranty coverage, even if they have never been sold prior to this date. (Under no circumstance shall any components or labor be provided free of charge.)

Name ____________________________________________

Address ____________________________________________

Place of Purchase ____________________________________

Date of Purchase ________________________

Product Number ____________________________

Product Description ____________________________

© 2008 LIONEL L.L.C., CHESTERFIELD, MI 48051-2493

UNITED STATES OF AMERICA

PRINTED IN CHINA