

71-4097-250
7/09



Lionel
Rotary Aircraft Beacon
Owner's Manual

Congratulations on your purchase of the Lionel Rotary Aircraft Beacon! This classic accessory lights up your layout with its powerful beacon.

Caution! Do not touch the lamp or the lamp housing during operation. The components may become hot during operation.

Table of contents

Wiring your Rotary Aircraft Beacon	3
Maintaining your Rotary Aircraft Beacon	4
Replacing the lamp in your Rotary Aircraft Beacon	4
Installing your Rotary Aircraft Beacon with TrainMaster Command Control	5-6
Notes	7
Limited Warranty/Lionel Service	8

The following Lionel marks may be used throughout this instruction manual and are protected under law. All rights reserved.

Lionel®, *TrainMaster®*, *Odyssey®*, *RailSounds®*, *CrewTalk™*, *TowerCom™*, *DynaChuff™*, *StationSounds™*, *Pullmor®*, *ElectroCoupler™*, *Magne-Traction®*, *CAB-1® Remote Controller*, *PowerMaster®*, *Lionel ZW®*, *ZW®*, *PowerHouse®*, *TMCC®*, *Lionelville™*, *Lockon®*, *Wireless Tether™*, *LionMaster®*, *FatBoy™*, *American Flyer®*, *TrainSounds™*, *PowerMax™*, *LEGACY™*, *PowerMax™ Plus*, *Odyssey II™*, *LEGACY RailSounds™*, *FasTrack™*

Wiring your Rotary Aircraft Beacon

You may choose to wire your Rotary Aircraft Beacon to the accessory terminals on your transformer, a separate accessory power supply, or a Lionel Lockon (available separately, (6-62900)). You need the ends of the wires to be stripped back 1/4" to 3/8".

Caution! 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.

To wire this accessory, simply attach a wire to each of the spring clip terminals on the bottom of the Water Tower and connect them to the POWER/A and COMMON/GROUND/U terminals on your power supply or to the Lionel Lockon. Refer to Figure 1.

Spring clip terminal and Lockon connections: Press down on the top of the terminal clip so that a metal loop is formed. 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.

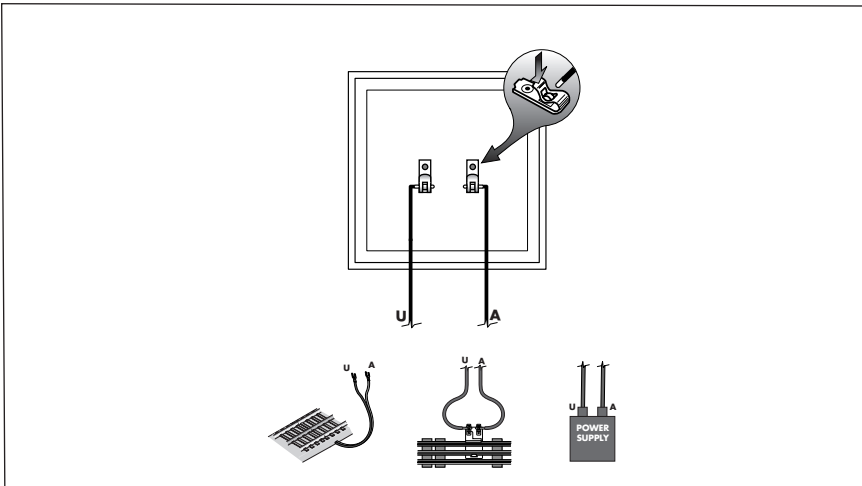


Figure 1. Power connections

Maintaining your Rotary Aircraft Beacon

After an extended period of operation, the rotating action may begin to slow, and the beacon will require lubrication with powdered graphite (available at hardware stores). To lubricate, lift the lamp housing off the lamp socket and apply powdered graphite sparingly to the flat washer around the base of the lamp socket.

The teeth on the driving washer, which is located on the underside of the lamp housing, may eventually wear down. Replacement drive washers (Lionel part no. 600-2494-050) are available from your local authorized Lionel dealer or from Lionel Service. To replace, peel the worn washer off the lamp housing, and install the new washer using rubber cement (Lionel part no. 600-2494-050). Refer to Figure 2.

Replacing the lamp in your Rotary Aircraft Beacon

To replace the lamp in your Rotary Aircraft Beacon, gently lift the lamp housing off the lamp socket. Turn the lamp counterclockwise, then pull it straight up out of the socket. Replace the lamp with Lionel part no. 600-2494-050, available from your authorized Lionel Service Center or Lionel Service. Refer to Figure 2.

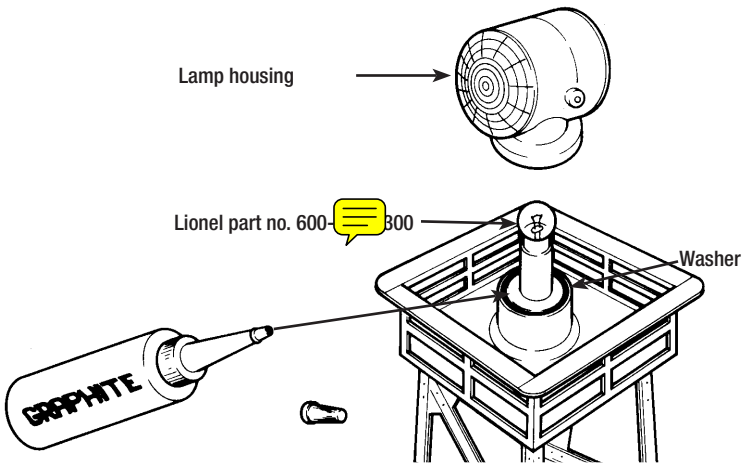


Figure 2. Maintenance and lamp replacement

Installing your Rotary Aircraft Beacon with TrainMaster Command Control

You may choose to wire your Flood Tower with an SC-2 Switch and Accessory Controller (available separately, 6-22980) or the Accessory Switch Controller (available separately, 6-14182) for operation in the TrainMaster Command Control environment. Refer to these manuals for additional information.

SC-2 wiring and operation

Three wires (not included) are needed to connect your Flood Tower to the SC-2 and a separate accessory transformer. Refer to Figure 3. We recommend using 22-gauge wire.

1. Attach one wire to the transformer Common/Ground/U terminal and connect it to the accessory COMM (common) position on the SC-2.
2. Connect one of the Flood Tower terminals to the accessory ON/OFF toggle position on the SC-2.
3. Finally, connect the remaining Flood Tower terminal to the transformer Power/A terminal.

Use the AUX2 button on your CAB-1 Remote Controller to toggle the Flood Tower ON and OFF.

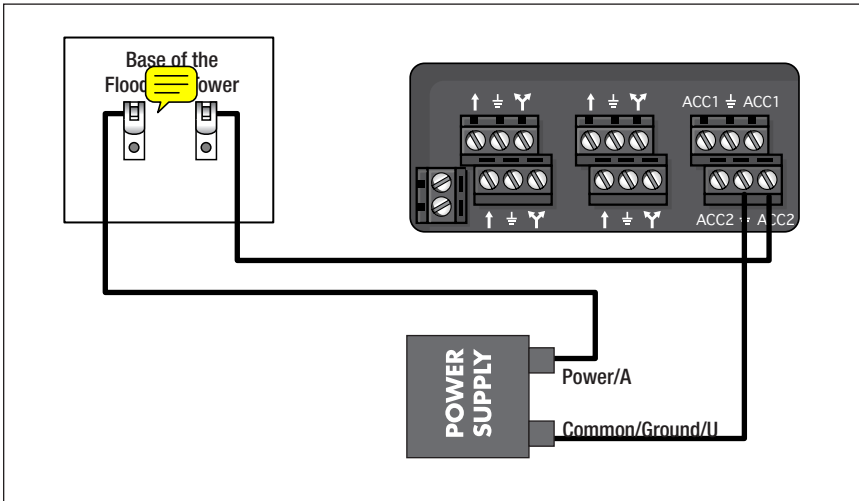


Figure 3. SC-2 connections

Wiring and operating your Rotary Aircraft Beacon with TrainMaster Command Control (continued)

Accessory Switch Controller wiring and operation

Three wires (not included) are needed to connect your Floodlight Tower to the Accessory Switch Controller (ASC) and a separate accessory transformer. Refer to Figure 4. We recommend using 22-gauge wire.

1. Attach one wire to the transformer Power/A terminal and connect it to the COMM terminal on the ASC.
2. Connect one of the Floodlight Tower terminals to a numbered accessory terminal on the ASC.
3. Finally, connect the remaining Floodlight Tower terminal to the transformer Common/Ground/U terminal.

Use the AUX2 button on your CAB-1 Remote Controller to toggle the Floodlight Tower ON and OFF.

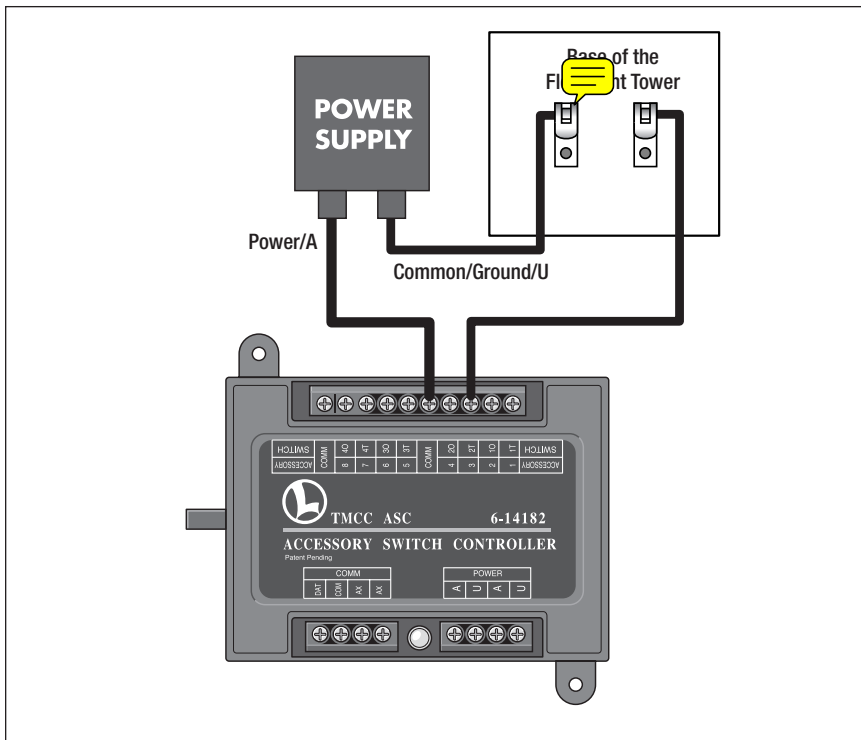


Figure 4. ASC connections

Notes

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 & TRACTION TIRES** 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
- 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-transferrable) to Lionel LLC or any Lionel Authorized Service Station **MUST** be accompanied by the original receipt for purchase (or copy) from an **Authorized Lionel 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 **Authorized Lionel 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 3 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, 26750 Twenty Three Mile Road, 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 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 3 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 _____



©2009 LIONEL L.L.C., U.S.A.
PRINTED IN CHINA