



74-9819-250
9/04



AMERICAN FLYER[®]

***#583A Electromagnetic Crane
Owner's Manual***

Congratulations on your purchase of the American Flyer #583A Electromagnetic Crane! This accessory features a rotating cab, an electromagnet, and an operating crane.

Table of contents

Connecting the Electromagnetic Crane	3
Attaching the electromagnet	4
Positioning the accessory	5
Operating the accessory	6
Adjusting the accessory	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®*

The name FasTrack® is used with permission from Pitsco, Inc.

Connecting the Electromagnetic Crane

Your Electromagnetic Crane operates best at 12-18 volts (AC). You may choose to power the accessory using a separate accessory power supply or through the track using a Lockon (available separately, 6-62900 for O gauge) or a FasTrack Accessory Power Wire (available separately, 6-12053).

To make the proper connections, the ends of the wires must be stripped back 1/8" to 1/4".

Note! Only an adult should perform this task. We recommend using a pair of wire strippers. Always use care when stripping wires.

1. Connect the two black wires that are attached to the controller to your power supply. Refer to Figure 1.
2. Connect the three multicolored wires from the controller to the accessory. Connect the black wire to the terminal closest to the leg, the red wire to the center terminal, and the green wire to the remaining terminal. Refer to Figure 1.

Note! To make the thumbscrew connections, loosen the thumbscrew, insert the bare end of the wire into the hole in the post, and tighten the thumbscrew to secure the connection.

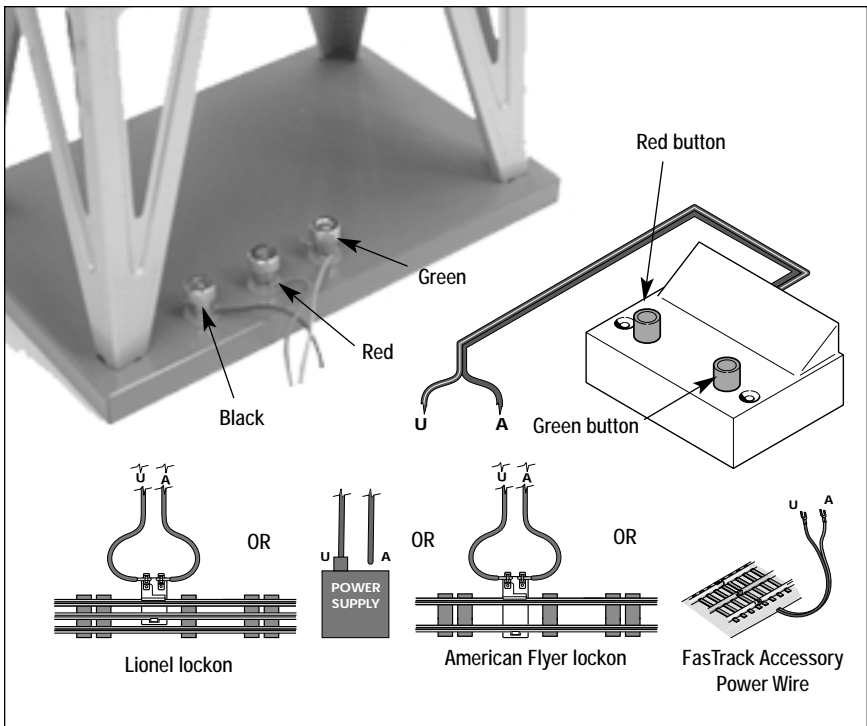


Figure 1. Electromagnetic Crane connections

Attaching the electromagnet

The hook is designed to fit into the loop on the top of the electromagnet. Refer to Figure 2.

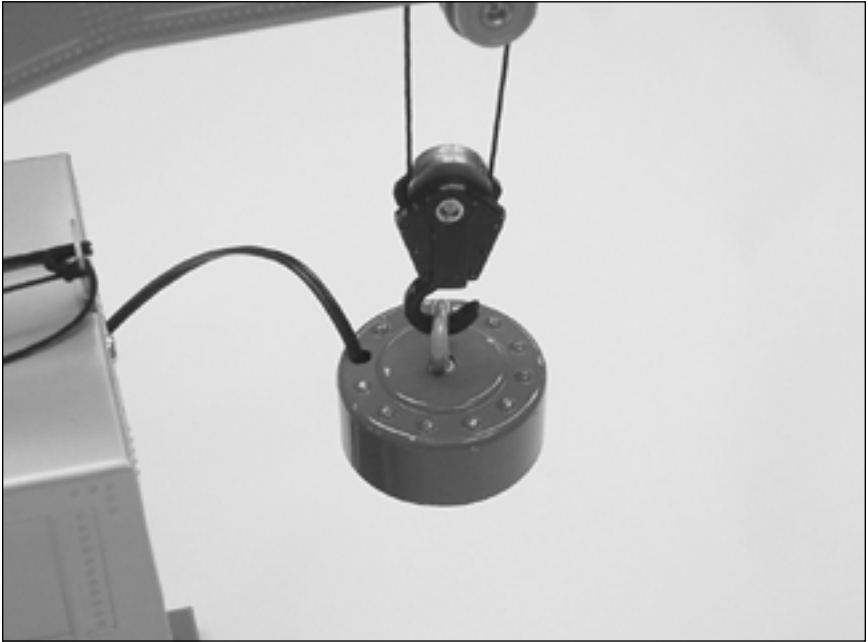


Figure 2. Electromagnet and hook

Positioning the accessory

The crane swivels 180-degrees between two positions: pick-up and release. Refer to Figure 3. At the pick-up location, the electromagnet is at its lowest point, allowing the electromagnet to pick-up metallic objects. At the release position, the electromagnet is at its highest point. You may choose to place the Electromagnetic Crane so that the release position is directly above the track so that the objects are released into a waiting freight car.

Caution! Be sure that your trains clear this accessory.

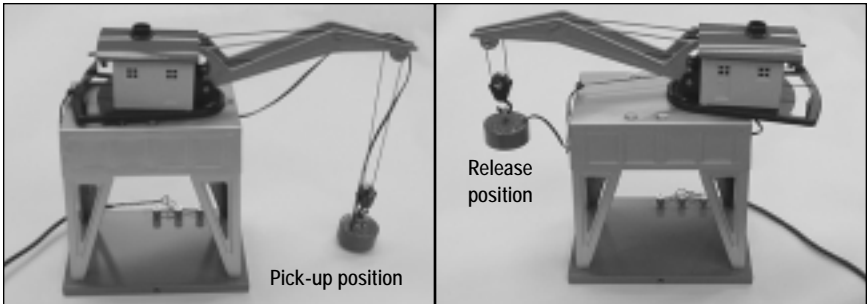


Figure 3. Crane positions

Operating the accessory

Use the controller to operate the accessory. Press and hold the green button to activate the electromagnet and swivel the crane from the pick-up position to the release position. Press and hold the red button to swivel the crane from the release position to the pick-up position.

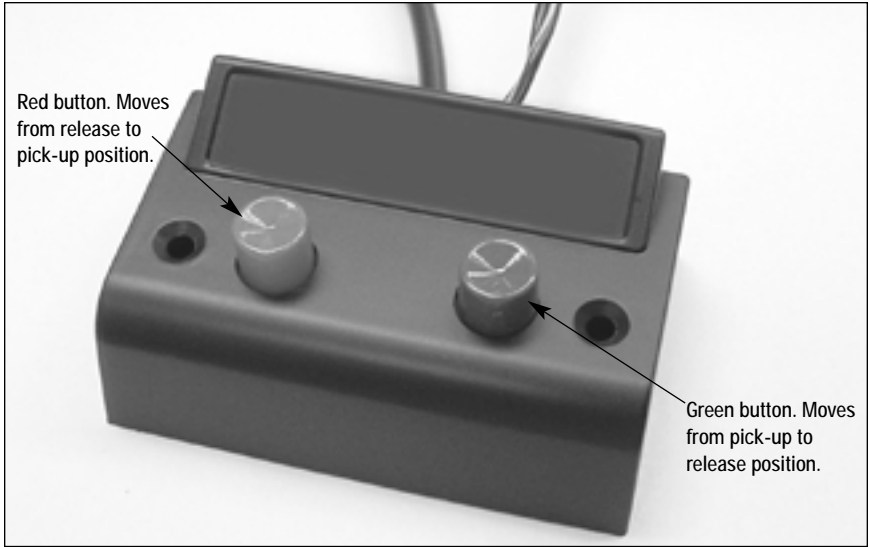


Figure 4. Controller buttons

Adjusting the accessory

Rotate the crank on the rear of the crane to raise and lower the boom. Position the boom so that the magnet is low enough to pick-up the metallic objects, but high enough to clear your freight cars.

You may also fine-tune the rotation of the crane. Tie off the crane cable to adjust the rotation of the crane.

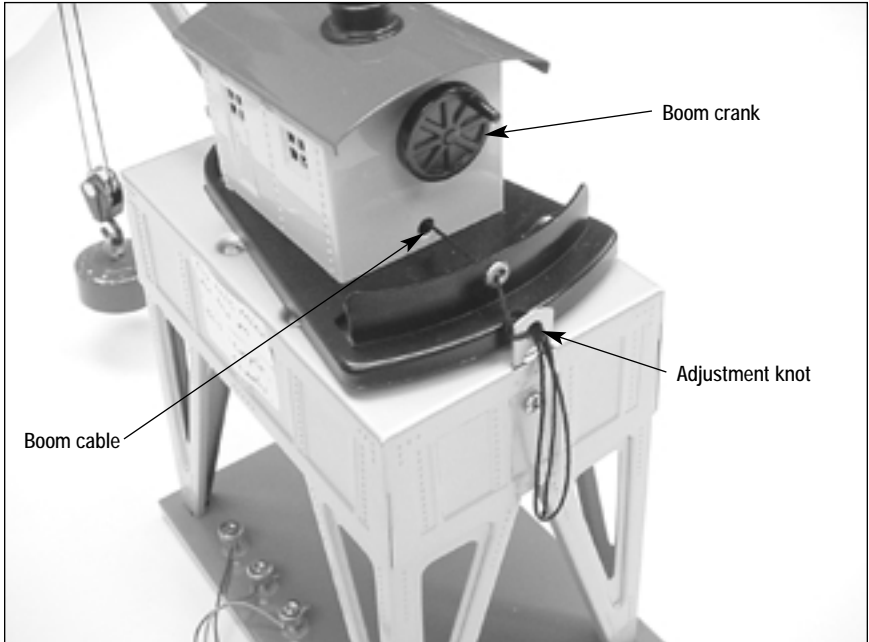


Figure 5. Boom crank and crane cable

Limited Warranty/Lionel Service

This 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.

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 _____



©2004 LIONEL L.L.C., CHESTERFIELD, MI 48051-2493
UNITED STATES OF AMERICA
PRINTED IN CHINA