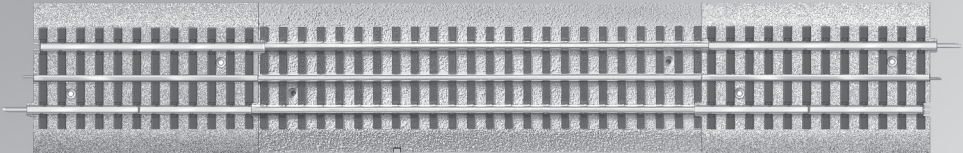


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FastTrack®

***Accessory Activator Pack
Owner's Manual***

Congratulations!

Congratulations on your purchase of the Lionel FasTrack Accessory Activator Pack! This track pack features two Isolated Track sections and one ten-inch Insulated Track section with accessory wires already attached. Connect your single-operation, “on-or-off” accessories as discussed in this manual, and your passing trains will activate their animation or lights.

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Understanding the Accessory Activator Pack

When assembled in the proper order, the special Isolated and Insulated Track sections have a powered inside rail and only one powered outside rail. The other outside rail is electrically isolated, or “dead.” If you connect an accessory to the isolated outside rail and the powered center rail (using the wires that are already attached to the track), you can turn on your accessories with your rolling stock by completing an electrical circuit through the wheels and axles. The two rails are “bridged” through the axles, powering the isolated rail. When the isolated rail is powered, your accessory receives power.

This is a simple way to operate Crossing Gates, Crossing Flashers, and other simple “on-or-off” accessories.

Installing the Accessory Activator Pack

Choose the location on your layout where you would like your trains to trigger the accessory. When you assemble the track, be sure that the “broken” outside rails on the Isolated Track sections are positioned on the same side of the track. Also, be sure that the Insulated Track section is placed between the Isolated Track sections.

Keep in mind that you may choose to purchase additional Insulated Track sections. Place these sections between the Isolated Track sections so that your train activates the accessory for a longer period of time.

Note! Place only Insulated Track sections between the Isolated Track sections. Do not place regular track sections between the Isolated Track sections.

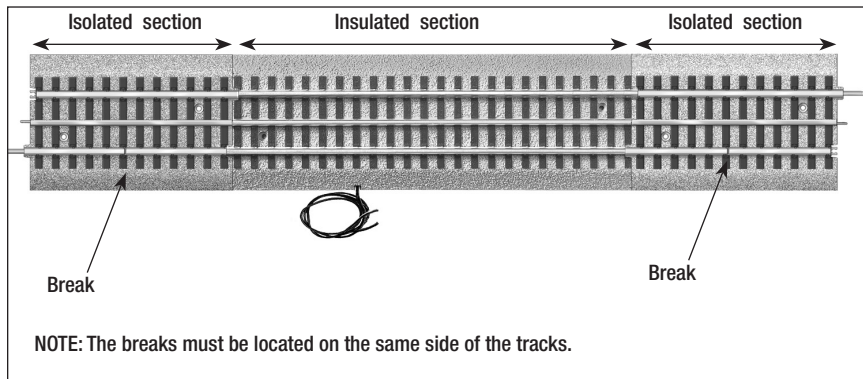


Figure 1. Track arrangement

Joining the track sections

FasTrack track sections join together easily. With interlocking roadbed sections and large rail tabs, the track fits together securely so you always get good electrical contact. Take a look at Figure 1 to show you how to join the track sections.

1. Line up your two sections of track.
2. Insert the rail tabs into the openings at the ends of the corresponding rails.
3. Press the sections together until the interlocking roadbed snaps into place. Refer to Figure 2.

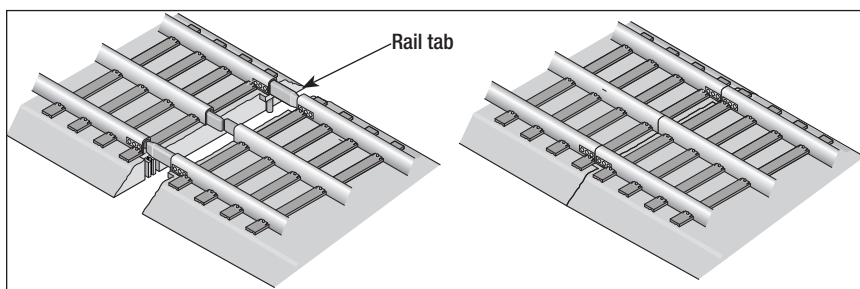


Figure 2. Joining the track sections

4. Feed the wires through the notch in the roadbed. Refer to Figure 3.

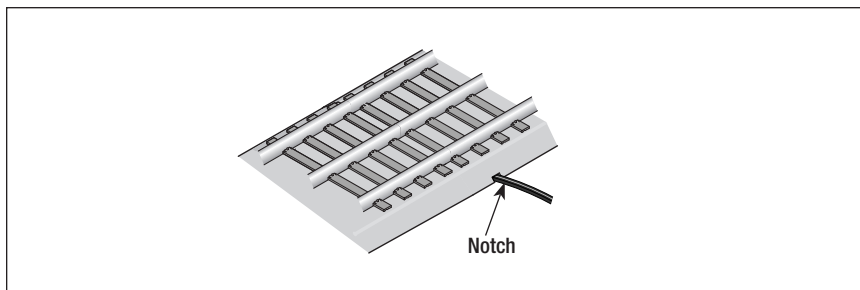


Figure 3. Positioning the wires

Connecting your accessory for operation with track power

The simplest way to power your accessory is to connect the two wires from the Insulated Track section directly to your accessory's power terminals. Refer to Figure 4. The accessory receives power from the track, operating at track voltage. You must be sure that the track is given enough power to operate the trains and your accessory. To make the proper connections, the ends of the wires should be stripped back 1/8" to 1/4".

Caution! Only an adult should perform this task. Use a pair of wire strippers to strip the wires. Always use care when stripping wires.

- If your accessory has power terminals (thumbscrew or spring-clip terminals), simply attach the wires to those terminals.
- If the accessory already has two power wires attached, simply splice those wires to the wires on the Insulated Track section. Twist or solder the wires together, then wrap the bare ends of the wires with electrical tape.

Note! The accessory will operate only when the track is powered up.

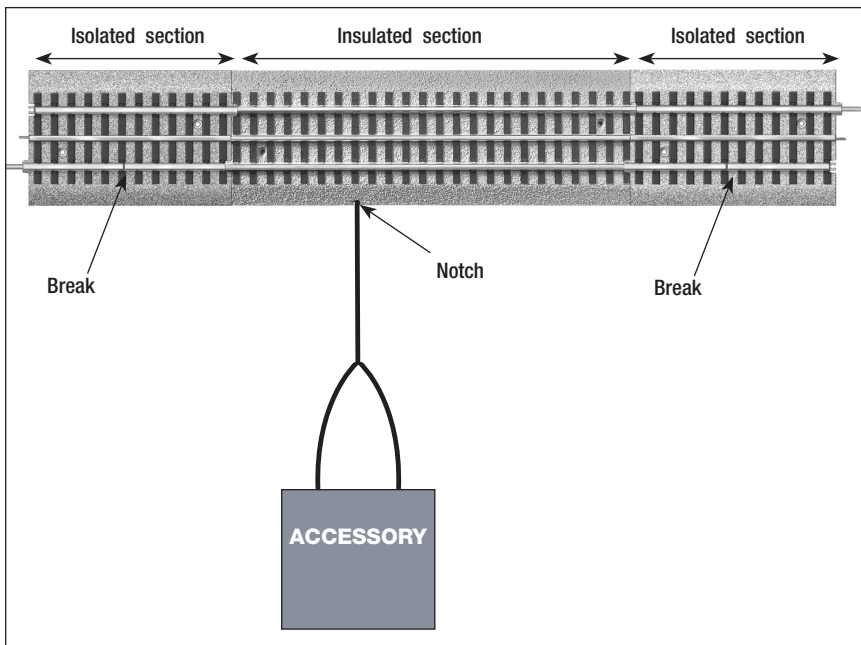


Figure 4. Track power connections

Connecting your accessory for operation with fixed voltage

Because track power and the power demands placed on your transformer can vary, you may want to use a separate power supply that has been set to a fixed voltage. While the power for the accessory is no longer shared with the track, the Accessory Activator Pack will turn on your accessory. Refer to Figure 5.

1. Separate and remove the wire with the RED quick connector sleeve that is connected to the underside of the Insulated Track section.
2. Slide the RED quick connector sleeve over a connector tab underneath an outer rail, **outside** of the break (on the isolated section). Connect it to the Common/Ground/U terminal on your separate accessory power supply.

Note! There are no tabs on the underside of the Isolated Track sections. Make the connection to a regular track section outside of the break.

3. Connect the other end of the Insulated Track section wire (connected under the insulated outside rail) to a power terminal on your accessory.
4. Attach a separate wire (included with the accessory) to the remaining terminal on the accessory. Connect it to the Power/A terminal on the separate accessory power supply.

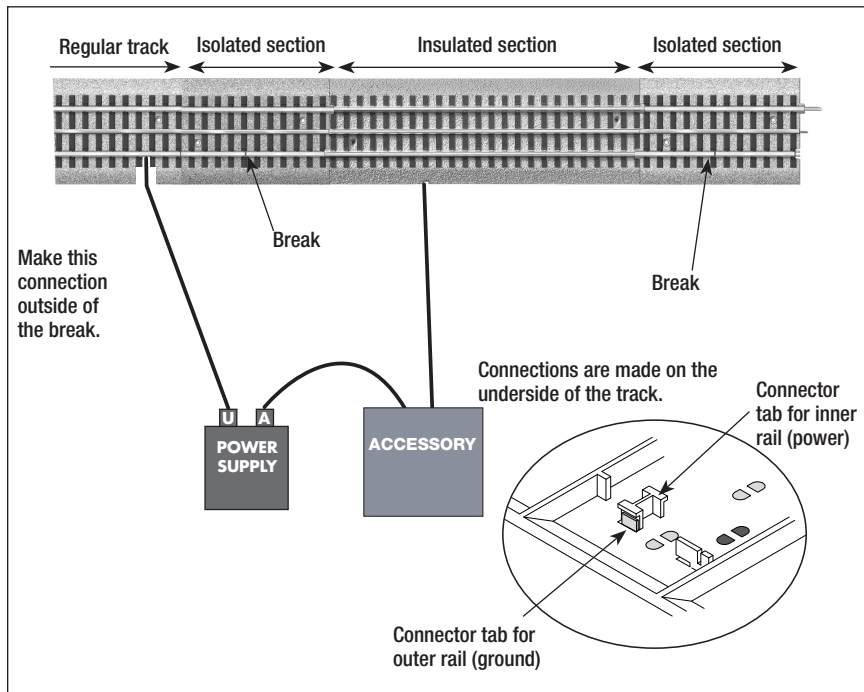


Figure 5. Fixed voltage connections

Connecting your accessory's switch terminal for operation with fixed voltage

Some accessories have multiple terminals. Two terminals serve as power terminals, and the others are used to connect ON/OFF switches. As illustrated in Figure 6, you may connect the accessory switch terminals to the track so that your train will turn on the accessory when it rolls across the “break” in the Isolated Track section.

Note! We recommend that you refer to the accessory owner's manual to help you identify the terminals.

1. Connect the Power/A and Common/Ground/U terminals to your accessory's power terminals.
2. Remove and separate the wire with the RED quick connector sleeve from the underside of the Insulated Track section.
3. Slide the RED quick connector sleeve over a tab underneath an outer rail, **outside** of the break (on the isolated section). Connect the other end of the wire to the Action/Lighting terminal on the accessory. Refer to the accessory's Owner's Manual to identify this terminal.

Note! There are no tabs on the underside of the Insulated Track sections. Make the connection to a regular track section outside of the break.

4. Connect the other end of the Insulated Track section wire (connected under the insulated outer rail) to the Common/Ground terminal on your accessory. Refer to the accessory's Owner's Manual to identify this terminal.

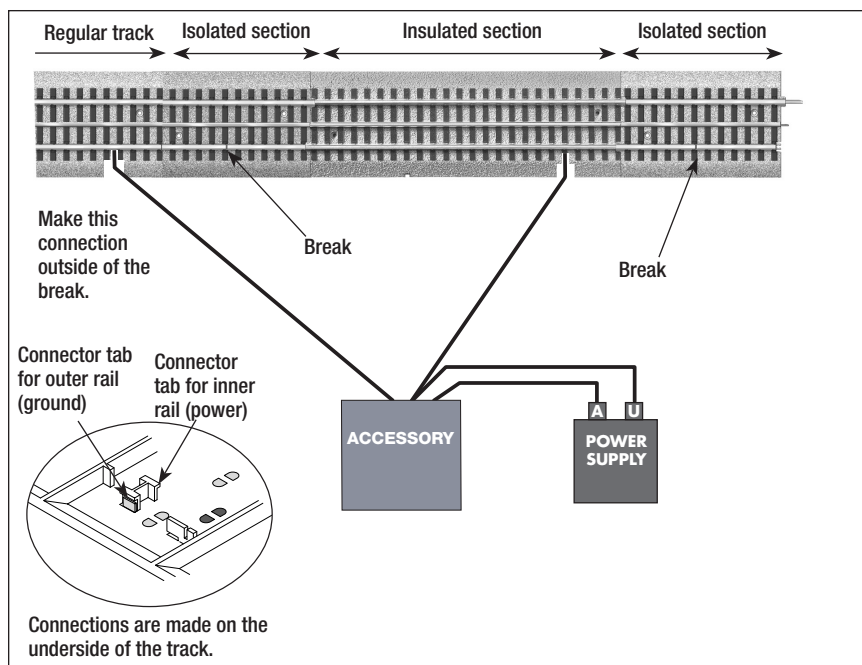


Figure 6. Power and track connections

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 _____



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