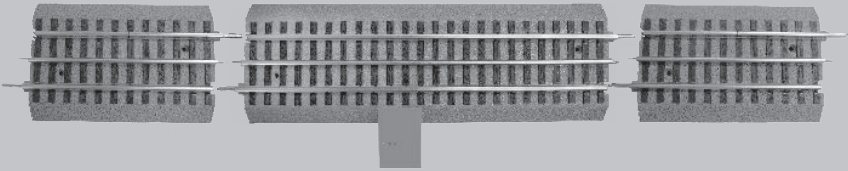


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Lionel Plug-n-Play Accessory Activator Track Pack Owner's Manual

Featuring



Congratulations!

Congratulations on your purchase of this Plug-n-Play Accessory Activator Track Pack! These 3 pieces of track allow you to connect your Plug-n-Play equipped accessories to your layout, allowing them to be activated by a passing train. Use this track pack to replace any two 10" straight sections on your layout, plug in your accessory, and move 'em on out!

Table of contents

Plug-n-Play track pack basics

Connecting your track pack to FasTrack	3
The LED indicator	4
Connecting your Plug-n-Play accessory	5

Wiring options

Connecting an Animated Accessory	6-7
Connecting Crossing Flashers	8-10
Connecting Crossing Gates with Flashers	10-11
Lionel Limited Warranty Policy & Service	12

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Plug-n-Play track pack basics

Connecting your track pack to FasTrack

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

- 1. Line up your lock-on and a section 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.**

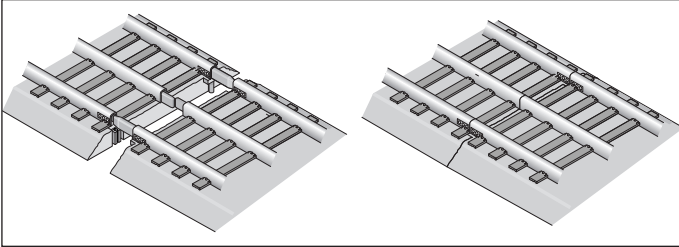


Figure 1. Joining the track sections

Plug-n-Play track pack basics

The LED indicator

Your Plug-n-Play lock-on provided with this track pack includes a green LED to indicate that power is being supplied to the track. When power is applied to your track the LED will turn ON. When power is removed or not present, the LED will turn OFF.

This LED is designed to last the life of your lock-on. Should the LED need to be replaced, contact Lionel Service.

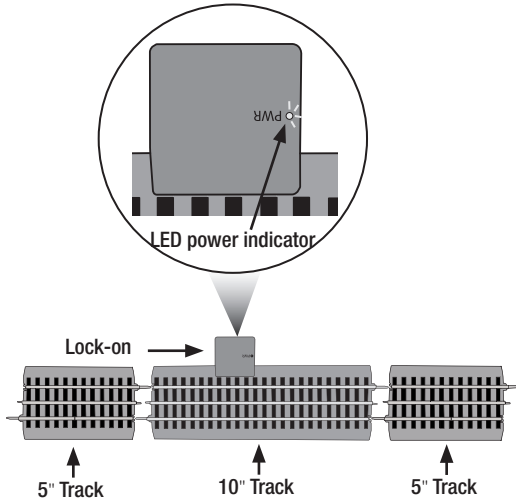


Figure 2. LED power indicator

Plug-n-Play track pack basics

Connecting your Plug-n-Play accessory

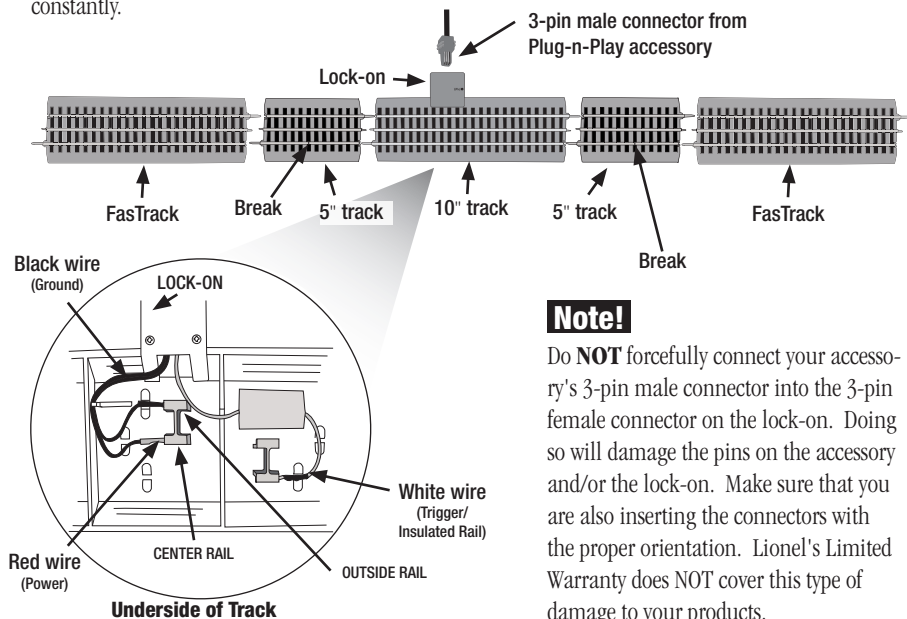
Your Plug-n-Play Accessory Activator Track pack allows you to easily connect your Plug-n-Play accessories. Each Plug-n-Play accessory has a cable attached to its base that can plug into any of the lock-on's 3-pin female connector. This lock on provides constant power to your accessory (from the track) and has a separate wire connected to the insulated outside rail. The insulated rail wire is what triggers your accessory when the train passes by. Included with your track pack are two 5" pieces with a break in each outside rail that isolate power from one break to the other.

The 10" piece of FastTrack included with your track pack uses all of the terminals in the attached lock-on; red, black, and white connected under the track. The red wire connects to the center rail to supply power to the accessory. The black wire connects to the outside rail to supply ground power to the accessory. The white wire connects to the opposite outside rail, triggering the accessory's activation when your train goes by.

To set up your track pack with your layout, follow these steps:

1. Attach any piece of FasTrack to one of the 5" track pack pieces.
2. Attach the other end of the 5" piece to the 10" straight lockon. *Make sure that the break in the outside rail is opposite of the lock-on.*
3. Attach the last 5" track pack piece to the other end of the 10" track section. *Make sure that this 5" piece also has the break in the outside rail opposite of the lock-on.*
4. Attach any piece of FasTrack to the other end of the 5" track piece.

When the train passes into the insulated section, your accessory will turn on. Once the train has left the isolated section, accessory will turn off. Note that power will be supplied to your accessory constantly.



Note!

Do **NOT** forcefully connect your accessory's 3-pin male connector into the 3-pin female connector on the lock-on. Doing so will damage the pins on the accessory and/or the lock-on. Make sure that you are also inserting the connectors with the proper orientation. Lionel's Limited Warranty does **NOT** cover this type of damage to your products.

Figure 3. Connecting a Plug-n-Play accessory

Wiring options

Note! To extend your accessory activator section you must use an insulated straight section! Regular FasTrack sections between the 5" isolator sections will constantly activate the accessory. You must use a 6-12027 Accessory Activator Extender.

Connecting an Animated Accessory

Your Plug-n-Play Accessory Activator Track pack allows you isolate power from the rest of your layout so that your accessory is activated by the presence of a passing train. See page 5 for track assembly instructions. *In this scenario, the Automatic Gateman accessory will be described.*

When your Automatic Gateman is connected to your lock-on, power will be constantly supplied (the light in the building will be on constantly). Once your train passes into the insulated section of track (crossing the break in the 5" piece of track), the gateman will appear from the door (the light will remain ON). Once the train leaves the insulated section (crossing the next break in the other 5" piece of track), the gateman will return to the inside of the building (the light will remain ON). See figure 4 on page 7.

Note! Do **NOT** forcefully connect your accessory's 3-pin male connector into the 3-pin female connector on the lock-on. Doing so will damage the pins on the accessory and/or the lock-on. Make sure that you are also inserting the connectors with the proper orientation. Lionel's Limited Warranty does NOT cover this type of damage to your products.

Note! Please be aware that adding additional accessories will take power away from the track, thus resulting in less available power for running trains. If your power supply shorts out (turns off) when using this cable it is most likely caused by overdrawing the available power the transformer can provide. Should this occur you will be required to increase the size of the transformer powering the track.

Wiring options

Connecting an Animated Accessory continued

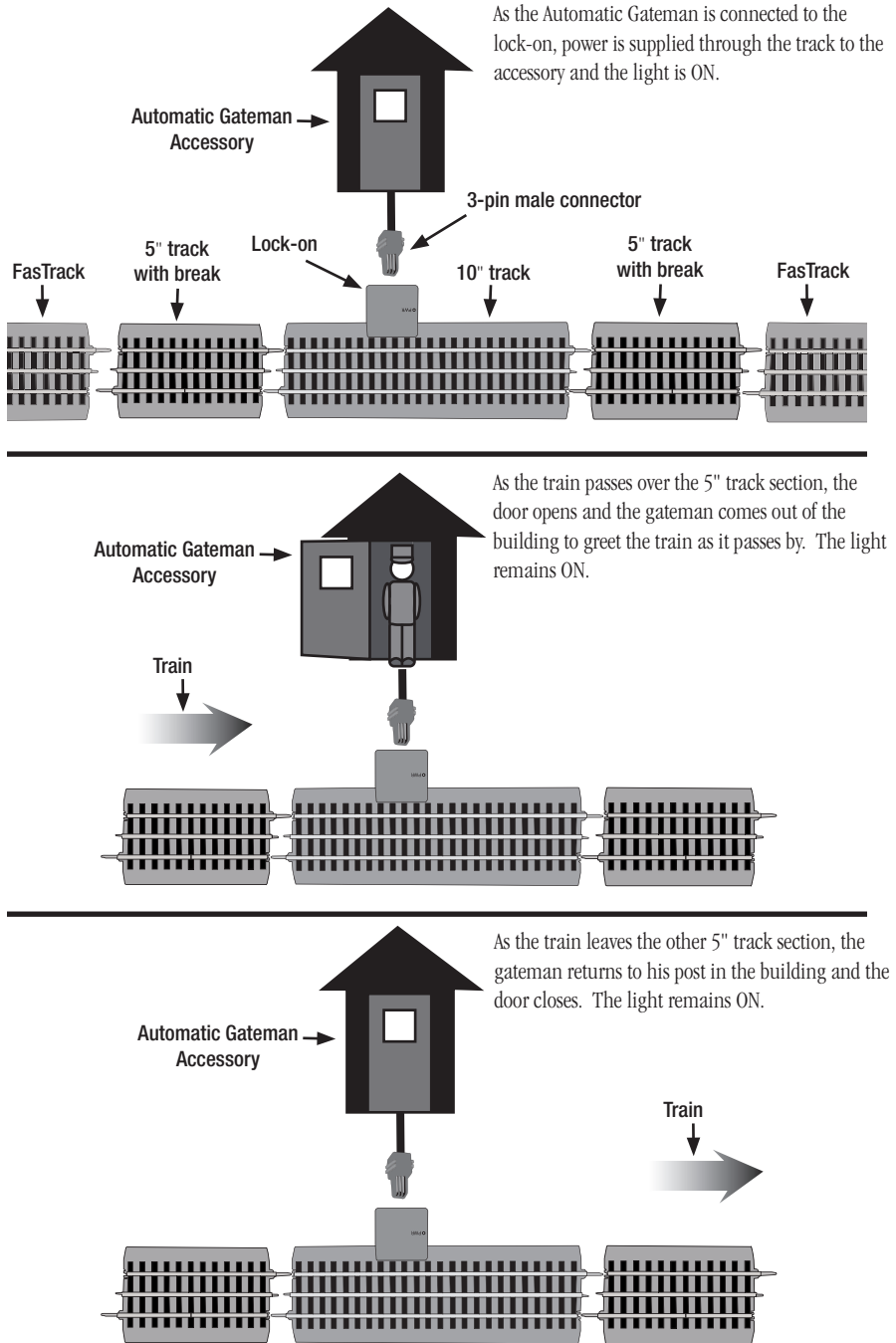


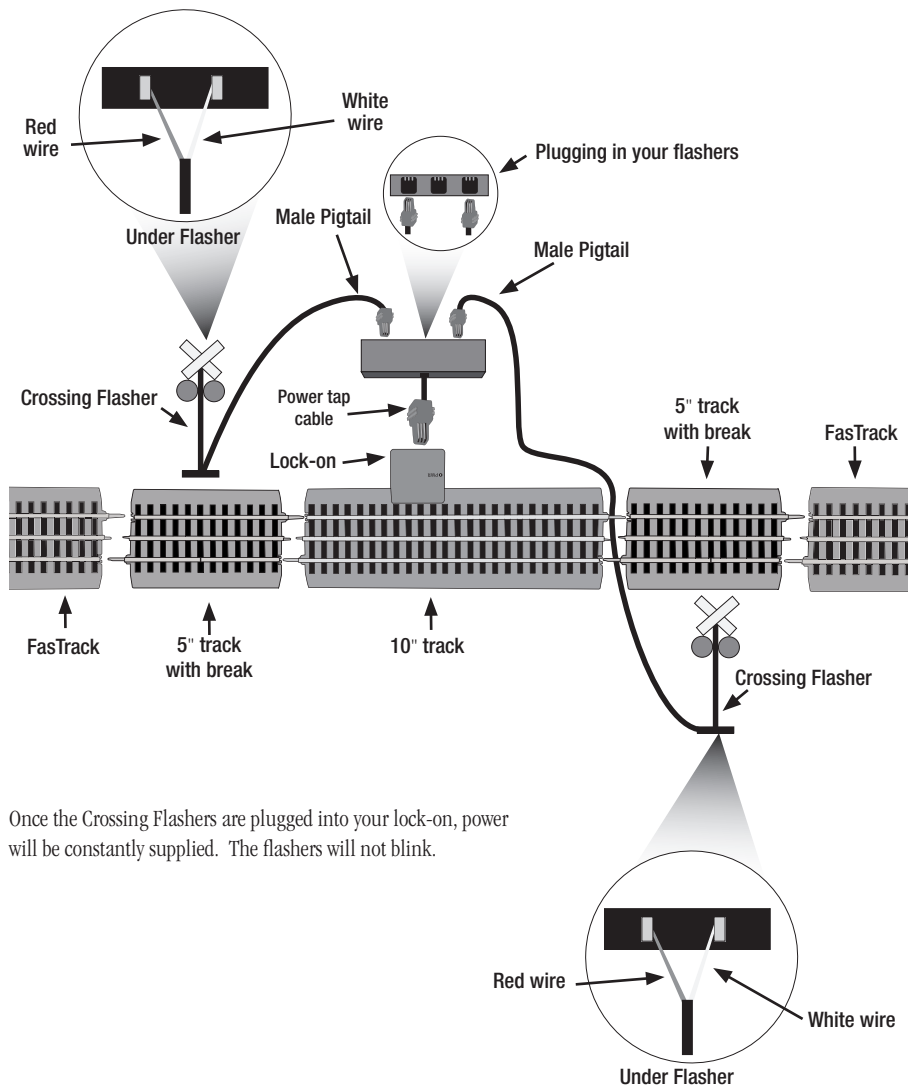
Figure 4. Animated Gateman Accessory

Wiring options

Connecting Crossing Flashers

See figures 5-6 for more examples of animated accessory connections with your Plug-n-Play Accessory Activator Track Pack. Refer to page 5 for track connection instructions.

The following scenario, figure 5 (pages 8-9), explains wiring for traditionally wired Crossing Flashers. To connect these accessories to your lock-on, you will need two 3' Male Pigtail Power Cables (item 6-82039) and a multi-port 36" Power Tap cable (item 6-82046; this allows you to connect multiple accessories to a single port lock-on).



Wiring options

Connecting Crossing Flashers continued

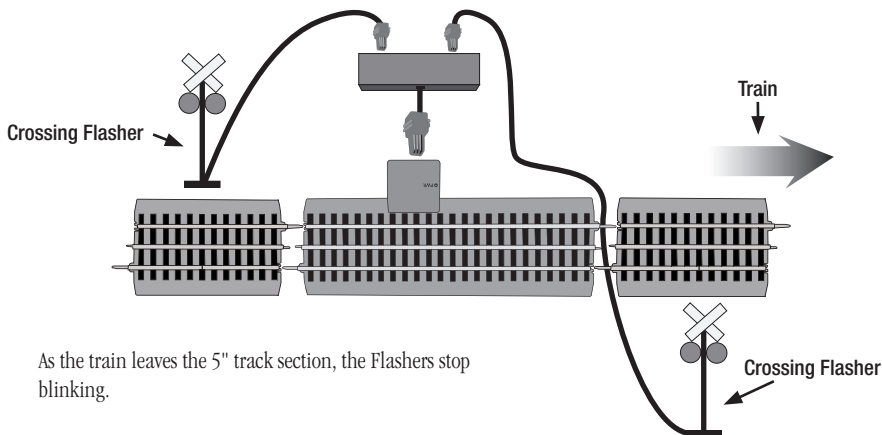
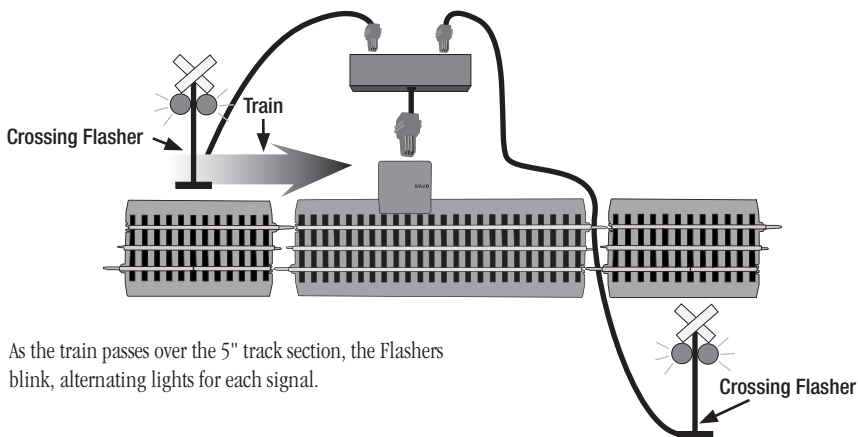


Figure 5. Crossing Flashers

Note! Do **NOT** forcefully connect your accessory's 3-pin male connector into the 3-pin female connector on the lock-on. Doing so will damage the pins on the accessory and/or the lock-on. Make sure that you are also inserting the connectors with the proper orientation. Lionel's Limited Warranty does **NOT** cover this type of damage to your products.

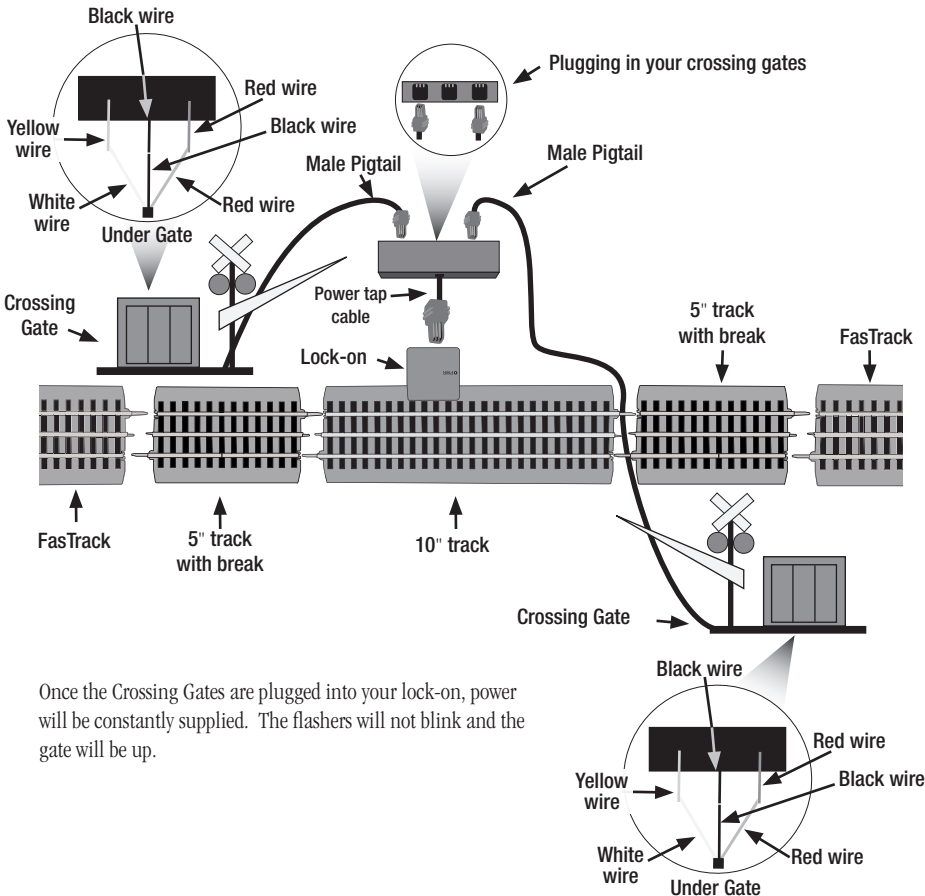
Wiring options

Connecting Crossing Flashers continued

Note! Please be aware that adding additional accessories will take power away from the track, thus resulting in less available power for running trains. If your power supply shorts out (turns off) when using this cable it is most likely caused by overdrawing the available power the transformer can provide. Should this occur you will be required to increase the size of the transformer powering the track.

Connecting Crossing Gates with Flashers

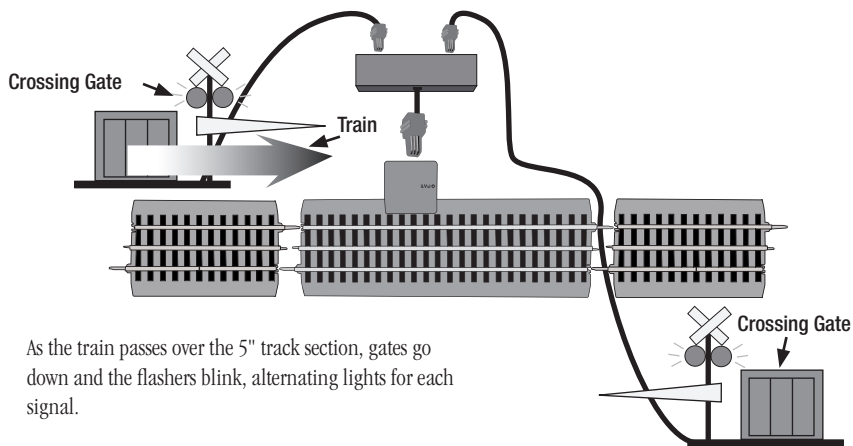
The following scenario, figure 6 (pages 10-11), explains wiring for traditionally wired Crossing Gates with Flashers. To connect these accessories to your lock-on, you will need two 3' Male Pigtail Power Cables (item 6-82039) and a multi-port 36" Power Tap cable (item 6-82046; this allows you to connect multiple accessories to a single port lock-on).



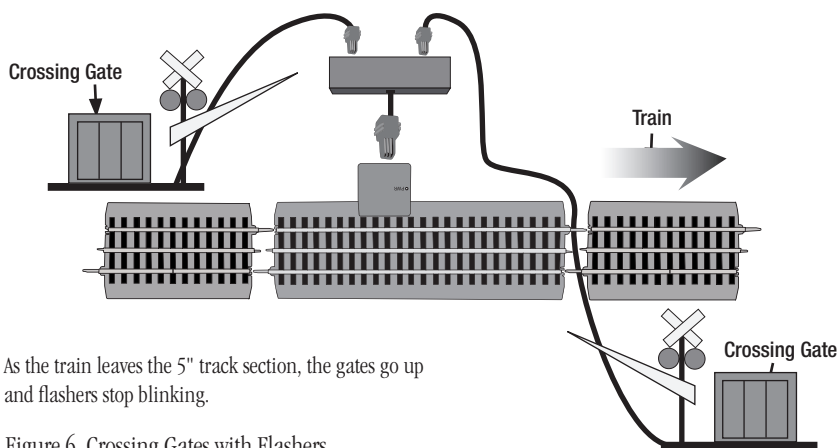
Once the Crossing Gates are plugged into your lock-on, power will be constantly supplied. The flashers will not blink and the gate will be up.

Wiring options

Connecting Crossing Gates with Flashers continued



As the train passes over the 5" track section, gates go down and the flashers blink, alternating lights for each signal.



As the train leaves the 5" track section, the gates go up and flashers stop blinking.

Figure 6. Crossing Gates with Flashers

Note! Do **NOT** forcefully connect your accessory's 3-pin male connector into the 3-pin female connector on the lock-on. Doing so will damage the pins on the accessory and/or the lock-on. Make sure that you are also inserting the connectors with the proper orientation. Lionel's Limited Warranty does **NOT** cover this type of damage to your products.

Note! Please be aware that adding additional accessories will take power away from the track, thus resulting in less available power for running trains. If your power supply shorts out (turns off) when using this cable it is most likely caused by overdrawing the available power the transformer can provide. Should this occur you will be required to increase the size of the transformer powering the track.

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 2 or write to Lionel Customer Service, 6000 Victory Lane, Concord, NC 28027. 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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