

# How to Operate

## LIONEL REMOTE CONTROL TRACK SETS

No. 6019 FOR "027" TRACK — TYPE UCS FOR "O" TRACK

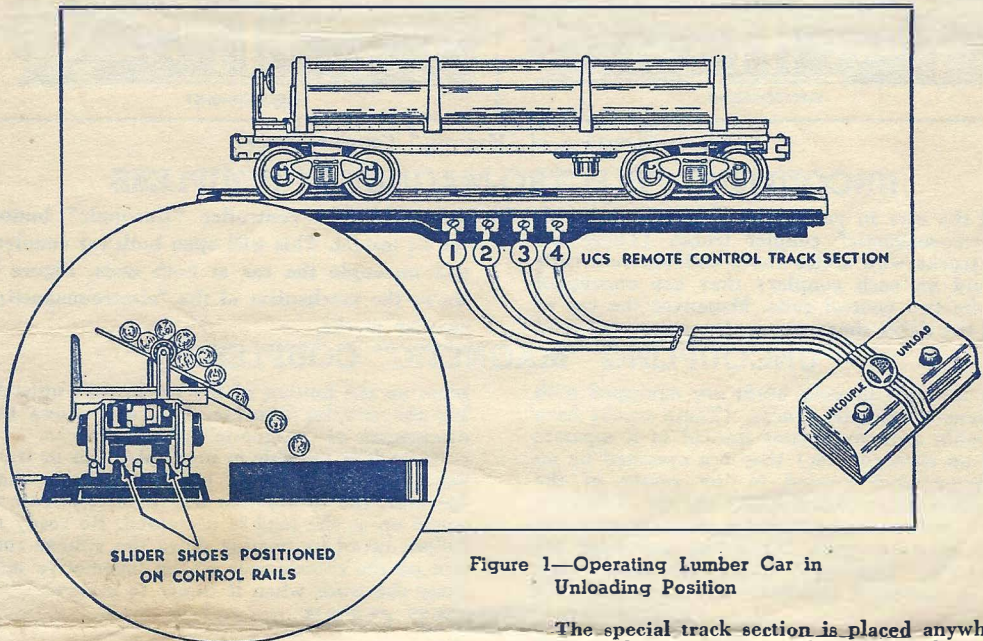


Figure 1—Operating Lumber Car in Unloading Position

Lionel Remote Control Track Sets are used to uncouple all Lionel cars equipped with electrically controlled couplers and also to unload all Lionel operating cars such as the Ore Dump Car No. 3469, Milk Car No. 3472, and others. No. 6019 Remote Control Track Set is used with "027" track while UCS is the designation of the Remote Control Track Set which matches "O" gauge track.

A Remote Control Track Set consists of a special five-rail track section and a two-button controller attached to the track section by a four-conductor flat cable. If you ever have occasion to lengthen the cable make sure that you do not change the order of the wires.

### UNLOADING OPERATING CARS

To unload any operating car position it on the special track section so that both slider shoes of the car are on the control rails of the track, then press the controller "Unload" button. This will operate the unloading mechanism of the car.

*Note:* If your operating car is equipped with

"electro-magnetic" couplers (See explanation below), pushing the "Unload" button will also open one of the couplers of the car. This is normal action and does not mean that the car or the coupler is defective. To recouple the car after unloading simply back up your locomotive for an instant.

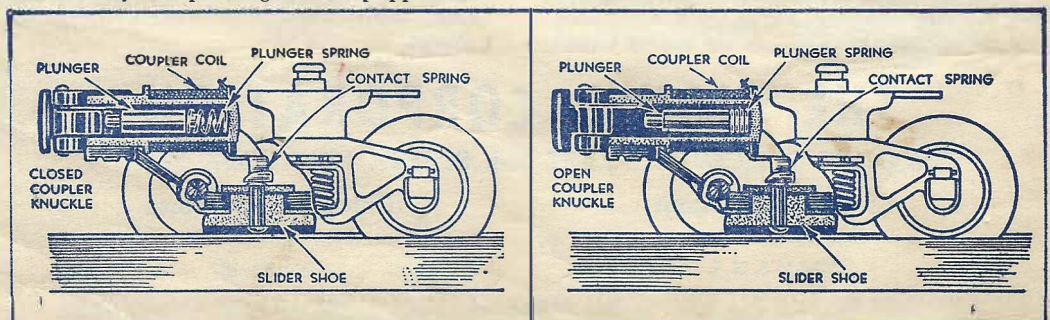


Figure 2—Operation of "Electro-Magnetic" Coupler Trucks



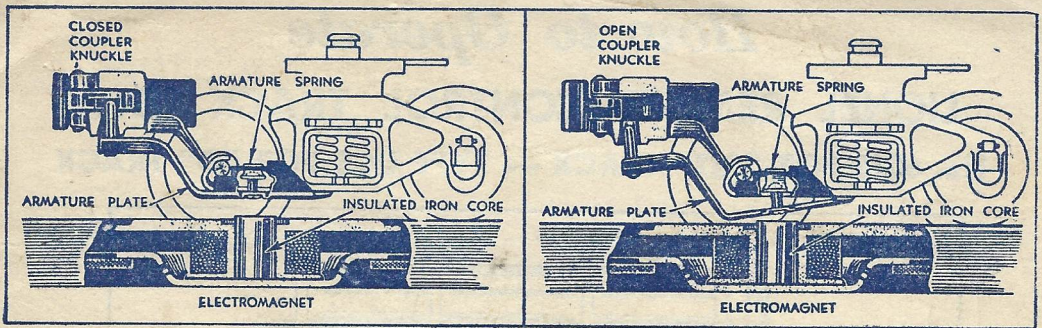


Figure 3—Operation of "Magnetic" Coupler Trucks

## UNCOUPLING "ELECTRO-MAGNETIC" COUPLERS

If the cars in your outfit are equipped with "electro-magnetic" coupler trucks (Those are the trucks with slider shoes and separate coils wound on each coupler) they are uncoupled by the two control rails. Maneuver the car so that the slider shoes are on the control rails and

then push the controller "Uncouple" button for an instant. This will open both car couplers and uncouple the car at both ends. Figure 2 shows the mechanism of the "electro-magnetic" coupler trucks.

## UNCOUPLING "MAGNETIC" COUPLERS

If the cars in your outfit are equipped with "magnetic" coupler trucks, (These trucks have movable armature plates instead of a separate coil on each coupler) they are operated by an electro-magnet located in the center of the special track section. Position the car so that the truck you wish uncoupled is directly over the track electro-magnet. When you now push the controller "Uncouple" button the electro-magnet is energized and pulls down the armature

plate on the bottom of the truck, thus unlatching the coupler knuckle. Figure 3 shows the mechanism of "magnetic" coupler trucks.

*Note:* It is possible to uncouple a car or train section from a moving train. If you do that, however, the locomotive will naturally tend to speed up as the load is decreased. Be ready to reduce speed by turning down the voltage control on the transformer or the locomotive may jump the track when it comes to a curve.

## HOW TO COUPLE CARS

All modern Lionel couplers are closed mechanically by pushing in the coupler knuckle until it latches in closed position. This makes it possible for cars to be coupled anywhere along the track, as long as at least one of the mating couplers is open. To couple two cars simply push them together, either by hand, or by backing up your train to the waiting car or train section.

If both mating couplers are closed the cars can't be coupled by pushing them together. The only way two closed couplers can be engaged is by lifting one of the cars and fitting

the couplers together. "Magnetic" couplers can be opened manually by pulling down the truck armature, or electrically on the remote control track; "electro-magnetic" couplers can be opened only electrically on the remote control track.

Because of the relatively small radius of track used for model trains you may have difficulty in coupling two cars when they are on a curve. For this reason it is best to couple cars on a straight stretch of track and also to place a straight section of track on both sides of the remote control sections.

## SERVICE INFORMATION

This Remote Control Track Set was carefully inspected at the Factory and is in perfect operating condition. Like all Lionel products it is guaranteed against faulty materials and workmanship to the extent that if any such defective article is returned to the Lionel Service Department or to any Lionel Authorized Service Station within one year of the date of purchase it will be repaired or replaced.

If in the future it should ever require servicing you may either send it to the Factory Service Department, or take it to the nearest Lionel

Authorized Service Station listed in the instruction booklet.

If you decide to mail the article to us, be sure to pack it carefully to avoid damage in transit. Use the original box, if possible, and enclose in another strong container. A letter in a stamped envelope stating fully the service desired must be pasted to the outside wrapper, since postal regulations do not permit a letter or any written message to be placed inside the package.

# THE LIONEL CORPORATION

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