

Instructions for Operating **LIONEL REMOTE CONTROL**

DUMP CAR No. 3469

LUMBER CAR No. 3461

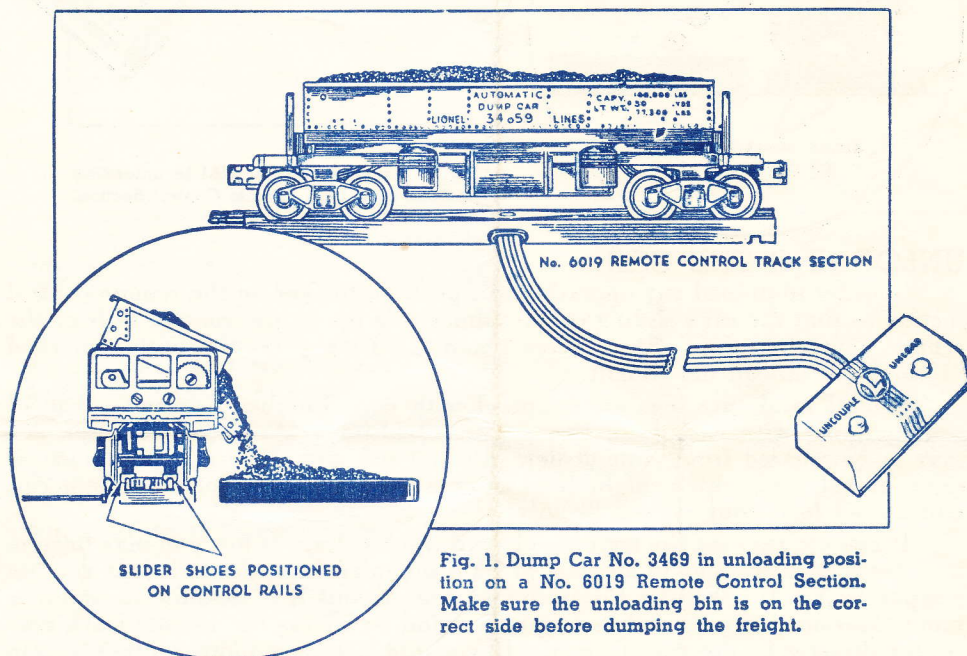


Fig. 1. Dump Car No. 3469 in unloading position on a No. 6019 Remote Control Section. Make sure the unloading bin is on the correct side before dumping the freight.

To operate Lionel remote control unloading cars a special section of track is required. The special section used with "O" gauge track is known as the UCS; the special section matching "027" gauge track is No. 6019.

Since No. 3469 Dump Car and No. 3461 Lumber Car are equipped with "magnetic" couplers which have movable iron armature plates instead of separate coils wound on each coupler, these cars cannot be uncoupled by the previously manufactured RCS and No. 1019 remote control sections.

A remote control section is inserted in the track layout as any other section of track but to make coupling and uncoupling easier at least one regular straight section should be placed on both sides of the remote control section.

The remote control section is connected to its controller by a four-wire cable. When it is necessary to lengthen these wires be careful to connect them in the same order. One of the two buttons on the controller is used to uncouple the car couplers; the other button is used to operate the car's unloading mechanism.

One remote control section is packed with every Lionel set. Additional sections may be purchased from your dealer. If other operating cars are added to the outfit, they can all be operated from the same remote control section.

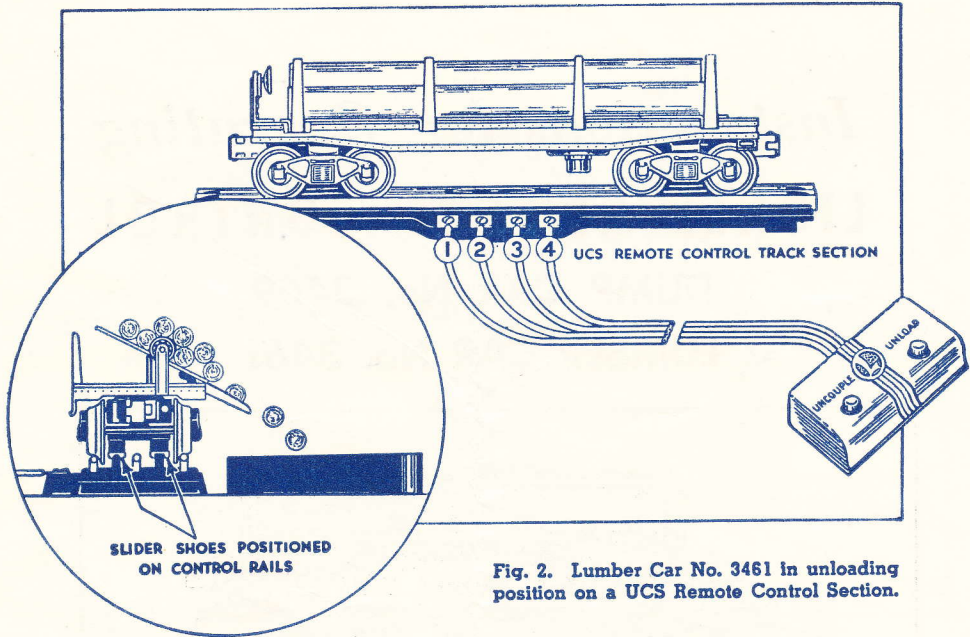


Fig. 2. Lumber Car No. 3461 in unloading position on a UCS Remote Control Section.

UNLOADING THE CAR

In order to unload any operating car, position the car on the remote control section so that the car's sliding contact shoes ride up on the control rails of the remote control section. See Figures 1 and 2. Then press the button marked "Unload" to unload the freight.

Several miniature logs are supplied with each Lumber Car and a bag of artificial coal with each Coal Dump Car. Additional Artificial Coal No. 206 may be purchased from your dealer. Do not use any other materials such as sand, gravel, etc., which might tend to clog the mechanism of the dump car, and do not load your car too heavily.

If you are running the train slowly and track voltage is low you may have to increase it slightly when unloading, to get a snappier dumping action. If you use a separate No. 167 Whistle Controller in your layout it is possible to obtain a more vigorous dumping and uncoupling action by wiring the remote track controller directly to the transformer. If you use a UCS remote control section disconnect the No. 3 wire from the remote control section and connect that wire instead to the side of the Whistle Controller which goes to the transformer. (See Figure 3.) If you use No. 6019 Remote Control Section No. 4 wire should be used instead.

It is also possible to provide the Remote Control Section with fixed voltage which is independent of the variable track voltage. This is done by connecting the power wire (Either No. 3 or No. 4, depending on the type of Remote Control Section you use, as described above) directly to a fixed voltage post of the transformer. For the proper transformer post see Instruction Booklet on connections for Fixed Voltage Plugs of No. 022 Switches.

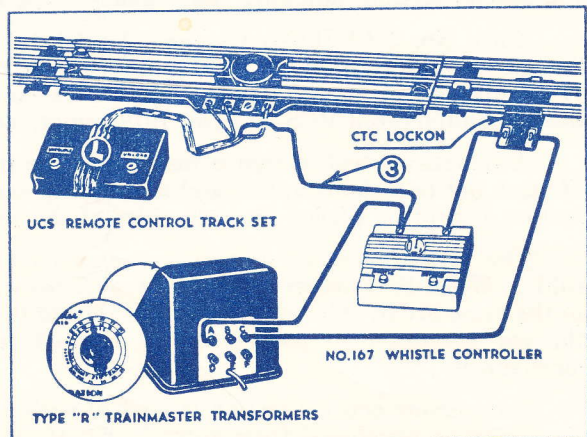


Fig. 3. Optional method for obtaining higher voltage.

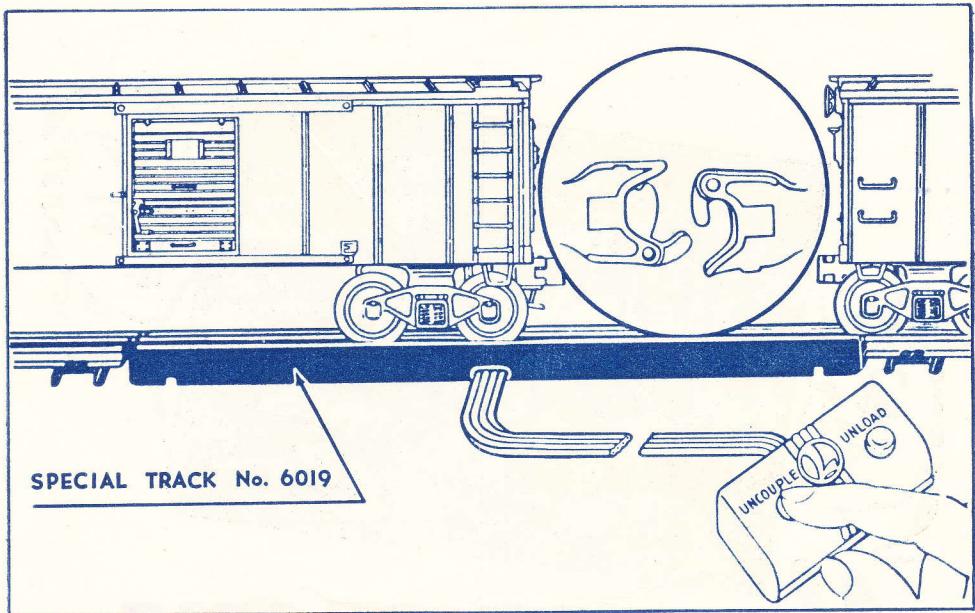


Fig. 4. Two cars in uncoupling position on a No. 6019 Remote Control Section.

UNCOUPLING AND COUPLING

To uncouple two cars position either one of the mating trucks on the remote control section so that the movable armature plate underneath the truck is directly over the track electromagnet. Pressing the controller "Uncouple" button will then open the magnetic couplers. Do not press the button any longer than necessary, or the electromagnet coil will tend to overheat. The cars can also be uncoupled while in motion if the "Uncouple" button is pressed at the moment when the truck is passing over the electromagnet.

Cars equipped with knuckle couplers can be coupled along any straight portion of track by simply coming together. Of course, at least one of the mating couplers has to be open for the coupling to take place. If both are closed, maneuver one of the cars to the Remote Control Section and open the coupler by pushing the "Uncouple" button.

SERVICE INFORMATION

This car was thoroughly inspected at the Factory and is in perfect operating condition. Like all Lionel products it is guaranteed against faulty material and workmanship to the extent that if any such defective car 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 you decide to mail the car to us, be sure to pack it carefully to avoid damage in transit. Use the original box and packing, 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.

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