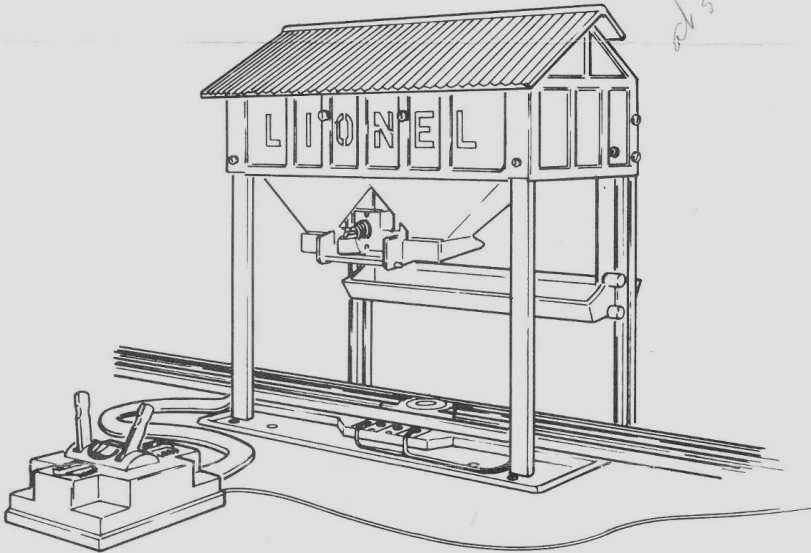


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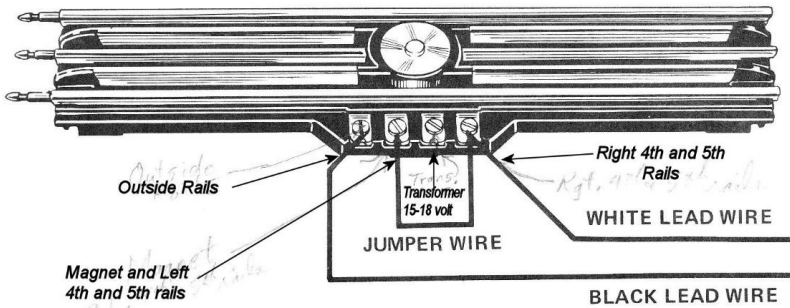
OPERATING COALING STATION

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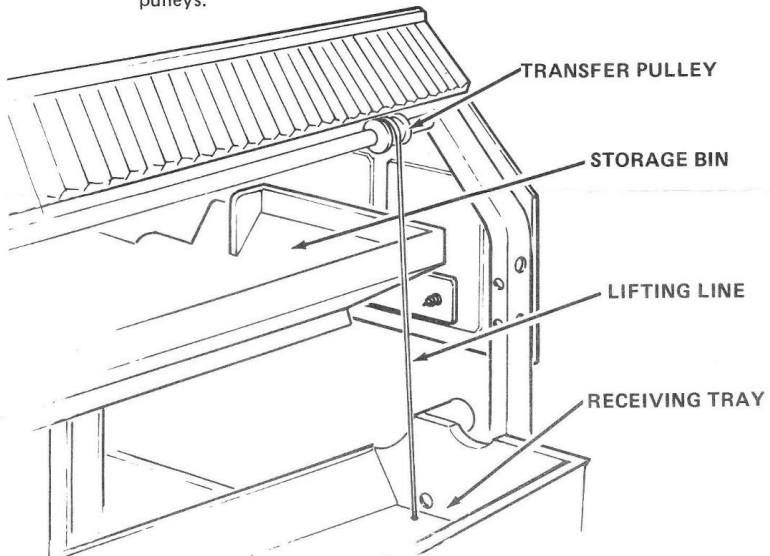
The 2315 Coaling Station uses an "O" gauge control track section (included) to activate most types of single bin dump cars. The jumper wire taped to this sheet connects the 4th and 5th rails to the uncoupling magnet so that they operate simultaneously allowing both electrically and magnetically actuated dump cars to operate. The UCS track should be wired as shown and placed over the locating tabs on the station base (see illustration on page 2).

UCS TRACK



The single wire coming from the controller should be connected to a 15-18 volt A.C. source.

- NOTES: 1). This accessory will not operate on D.C. voltage.
2). The black lead wire leading to the UCS track is the common lead for the coaling station. This means that the station completes its circuit through the track and that for best operation the track lockon should be located near the accessory.
3). Before operation, check lifting lines for proper routing over transfer pulleys.



(penciled notes)

OPERATION

A train with a loaded coal dump car is taken into the station and stopped so that the dump car is facing toward the front of the station next to the receiving tray. It is important that the car be properly centered in relation to the receiving tray to prevent spilling of coal.

When the car is in position, move the appropriate controller lever to the "DUMP" position. This will tilt the dump car and empty its contents into the receiving tray. To raise the loaded tray, move the other controller lever to the "UP" position, holding it there until the tray reaches the top of the station and pours the coal into the storage bin. Moving the lever to down will reverse the station motor and lower the tray to its resting position. To load an empty coal car, position it under the storage bin and move lever to "LOAD".

- NOTES:
- 1). Do not use more coal than can be completely dumped into a car. If coal is still in chute when "LOAD" lever is released, chute will throw coal onto base as it closes.
 - 2). Because of small amount of clearance between the locomotive and the receiving tray, it is best to wait until the tray is all the way down before running train through station.
 - 3). If the controller lever is held in the "DOWN" position after the receiving tray has been lowered to platform, the lifting line will continue to be unwound and will eventually start to wind backwards causing the receiving tray to move upwards in a lopsided manner. If this happens, move controller lever to "UP" position which will automatically rewind string in proper manner.
 - 4). Front columns must be free of dirt and grease for proper operation of receiving tray. A light coating of silicone lubricant will restore smooth operation, if binding or jerky motion is noticed.

LIONEL SERVICE

If service is required within the warranty period, bring the item to the nearest authorized Fundimensions Products - Service Center along with this section of the enclosed warranty card.

If you prefer to send it back to the factory, you must first write to The Consumer Service Department, P.O. Box 748, Mt. Clemens, Michigan 48043, stating what the item is, the warranty No., when it was purchased and what seems to be the problem. You will be sent a return authorization and a label to assure your merchandise will be properly handled upon receipt.

CAUTION: Make sure the item is packed so as to prevent damage to the merchandise. The shipment must be prepaid and we recommend that it be insured.

Please make sure you have followed the instructions carefully before returning any merchandise for service.

This warranty gives you special legal rights and you may have others that vary from State to State.

Addendum from Lionel

NOTE: If unit does not function, switch lead from controller to opposite post on transformer. If you wish to use separate transformer to operate your Coaling Station, connect lead from Controller to one terminal of transformer. Connect other terminal of transformer to outside rail of track.

Instruction sheet shows wiring diagram for Fundimensions produced cars and old Lionel twin bin car (Part No. 3359).

For operation with old Lionel type 3469 cars the following wiring diagram should be used:

- 1) Connect jumper wire to terminal No. 1 (far left) and terminal No. 4 (far right) on UCS track. Black wire remains connected to terminal No. 1.
- 2) Connect white lead wire to No. 2 terminal (2nd left).



JUMPER WIRE