

NO. 50 SECTION GANG CAR

No. 50 Section Gang Car, first made in 1954, is designed to operate on either "0" or "027" track. It is equipped with a motor and a reversing mechanism which is operated by the movement of the bumper slide as it strikes an obstruction. As illustrated in the wiring diagram, the motor field has a double winding the center point of which is connected to one of the armature brushes. The other armature brush is connected to the pick-up roller riding on the center rail of the track. The motor can be made to run in either direction by completing the circuit to either half of the field winding through the contact spring fastened to the bumper slide which is grounded through the body and wheels of the gang car.

Because the bumper slide must make good electrical contact to the body of the car, portions of the channel in which the slide moves are usually wire-brushed or sand-papered to remove the excess black oxide finish. In latter part of production the axle-grounding spring was redesigned and extended to make direct contact to the slide contact spring, as shown by dotted line in the diagram.

In the early part of production a quantity of No. 50 Gang Cars was made without axle bushings. In subsequent production 671-248 axle bushings were used on the driving axle only, as shown on the following page.



