

LIONEL SERVICE MANUAL

LIONEL TWO-POSITION "E-UNITS"

The 101 series of two-position reversing units was initiated in 1957. This permits either forward or reverse operation and eliminates the intermediate "stop" position.

Motors equipped for two-position operation have double-wound fields connected to the armature through the reversing unit. Depending on the position of the contact arm either half of the field is connected to the armature thus changing the direction of its rotation.

Since the plunger of this reversing unit depends on gravity to return to its "ready" position, this unit must be mounted vertically. Part numbers of this type will differ because of various formings of the lever.

Split-field motors can be converted to the regular three-position reverse. In this case only one of the fields, (either green or copper-colored), should be wired into the circuit. The two leads of the other field coil should be insulated or cut short. This is illustrated on the right (below).

This two-position unit has proven itself to be almost completely trouble-free and component parts of it are not required.

