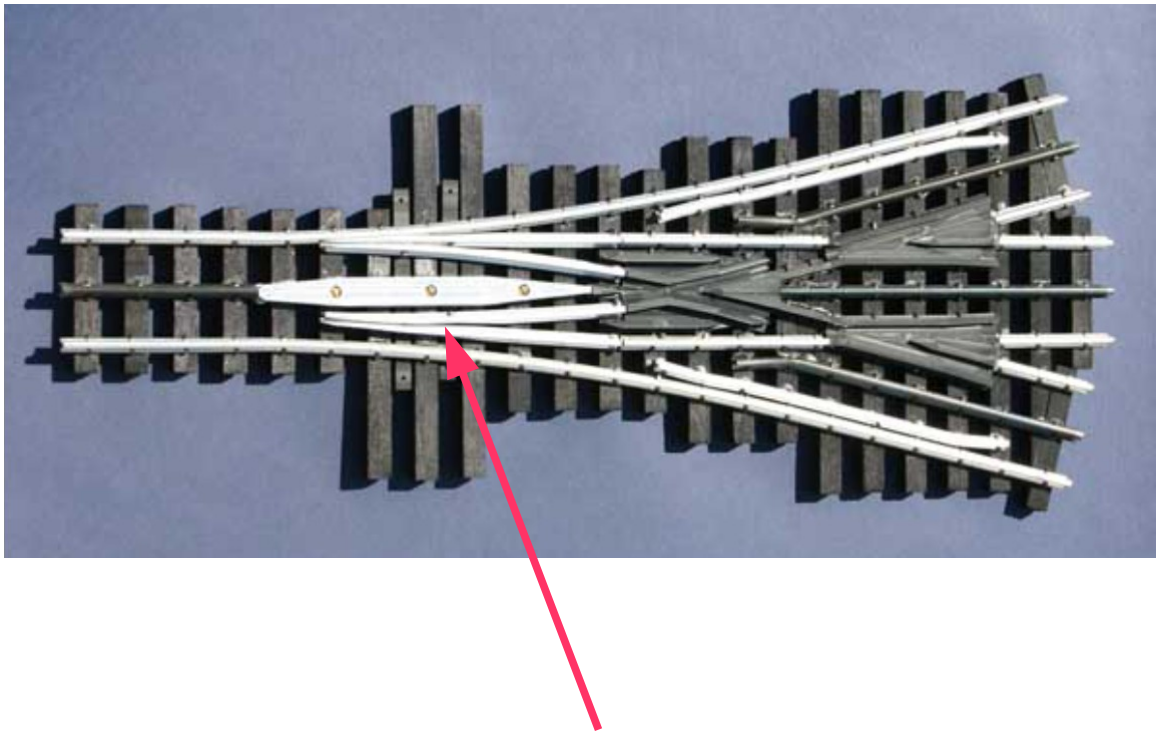
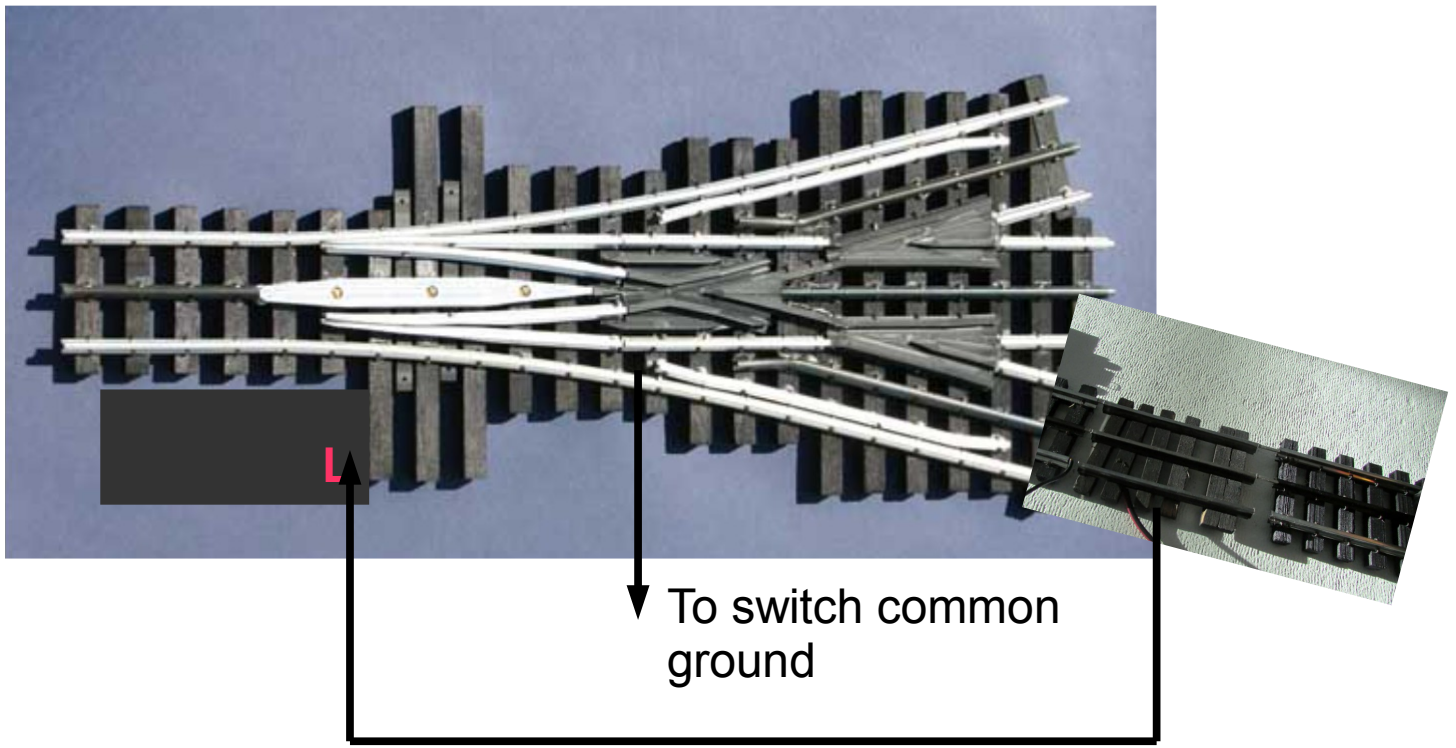
Ross Three-Way Wiring for Non-Derail



Note: The 3-Way has two sets of movable rails one set for each curve section. To switch the turnout to either curve it must first be in the straight position (at least with 14 volts power applied). One can not switch from one curve to the other since four rails instead of two need to be moved.

Ross Three-Way Wiring for Non-Derail

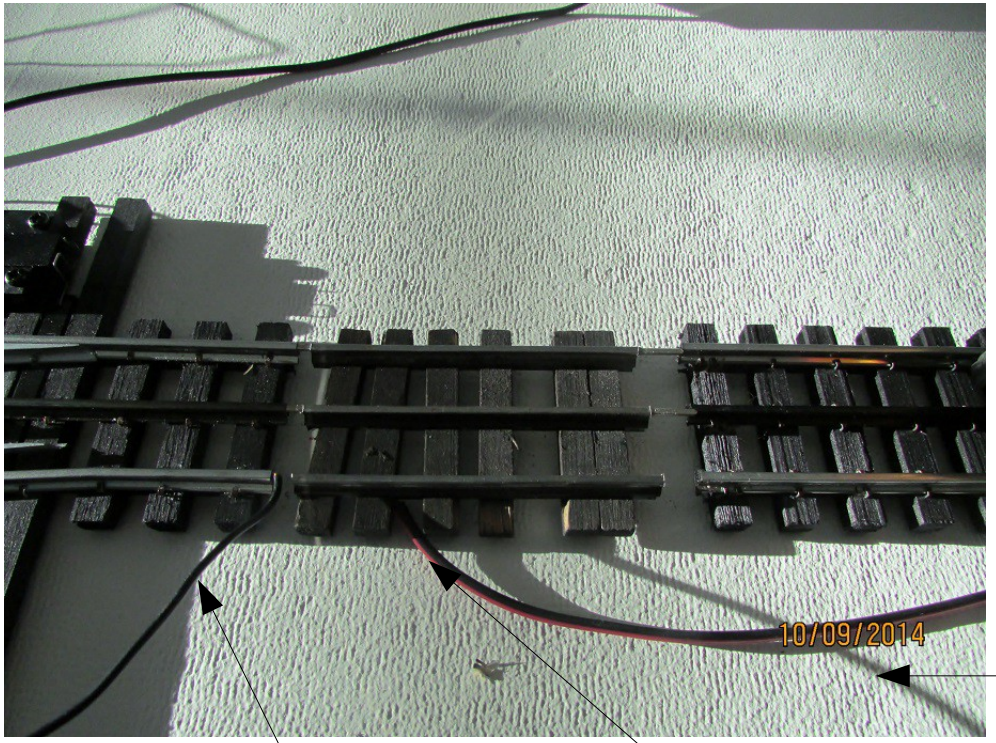
Non-Derail



Wiring non-derail is very easy. A track with the outer common rail isolated from track common (rail is isolated on both ends) is connected in front of the turnout. A wire is connected from the isolated rail to the “L” through terminal of the DZ 1000 switch machine for the turnout on the opposite end. A second wire is connected from the outer rail of the 3-way to common ground for the switch controllers (see next page)

Ross Three-Way Wiring for Non-Derail

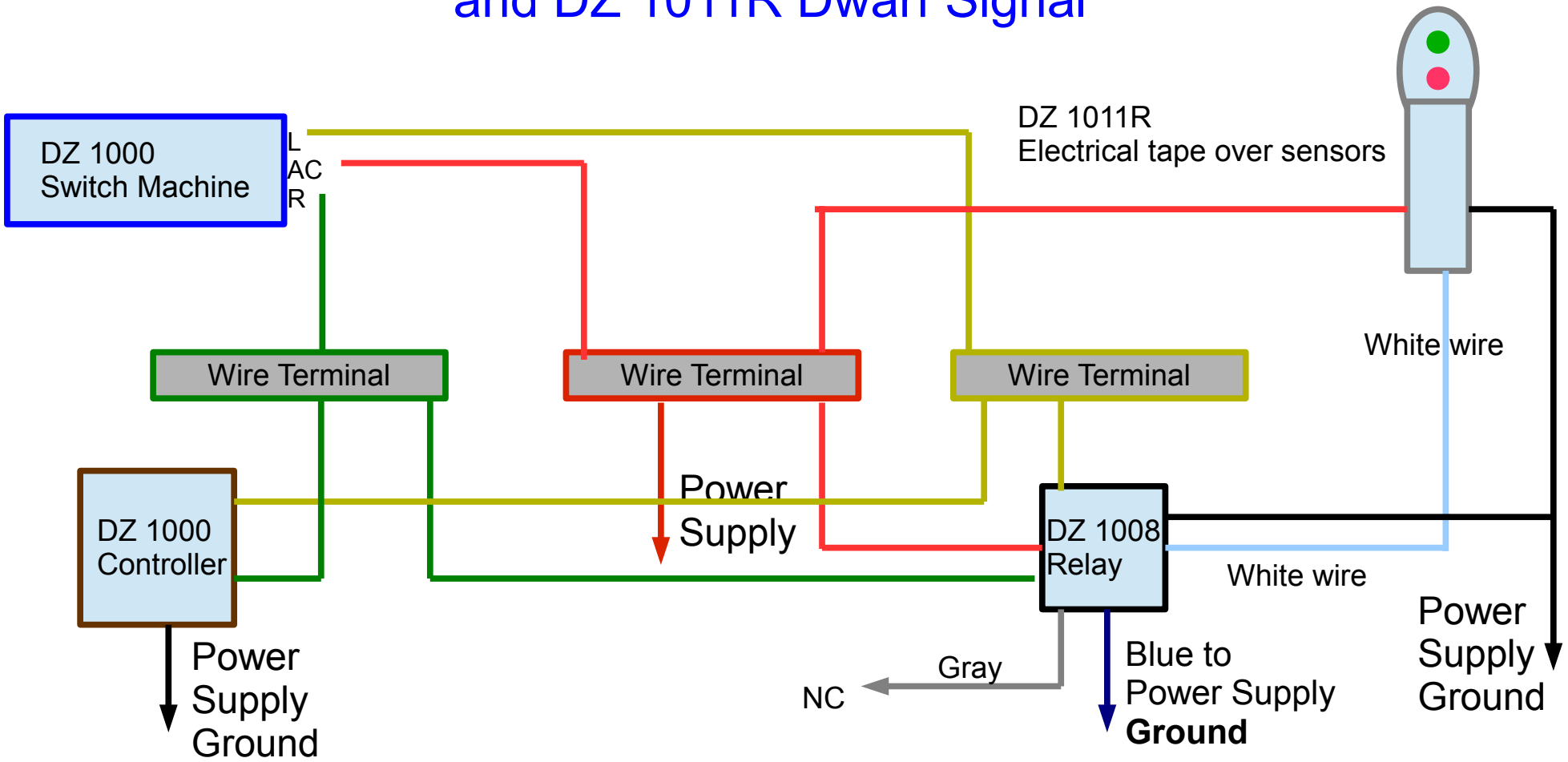
Non-Derail



Note: If the turnout is set to opposite curve there will be an issue. Because four rails need to move the turnout may not fully set to the opposite curve.

Ross Three-Way Wiring for Position Indication

Turnout Wire Scheme Including DZ 1008 Relay and DZ 1011R Dwarf Signal



Using a DZ 1008 relay and a DZ 1011R Dwarf signal it is possible to set up the 1011R to indicate turnout position. Two sets of 1008/1011R are required. The half circuit is shown above.