

Recommended Fouling Protection for Turnouts and Crossovers
 Revised 2023 (4 Pages)

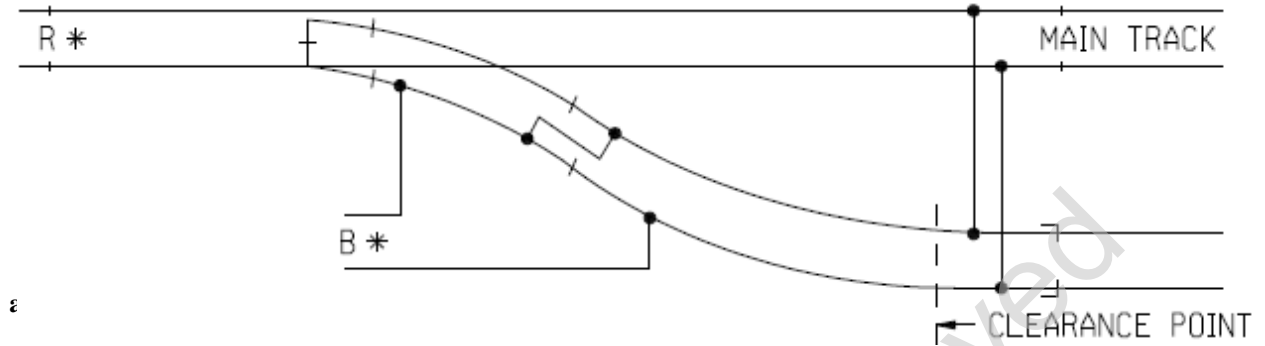


Figure 2115-1A: Turnout Movements at 45 MPH or Less

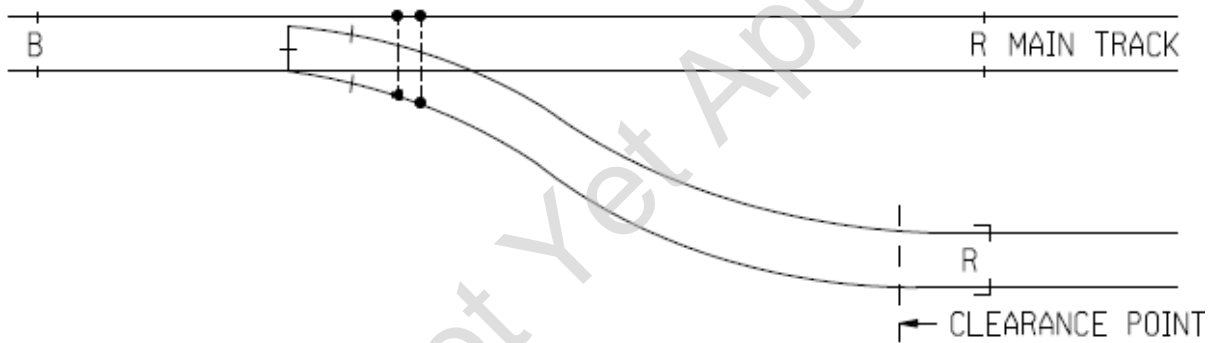


Figure 2115-1B: Turnout Movements at 45 MPH or Less

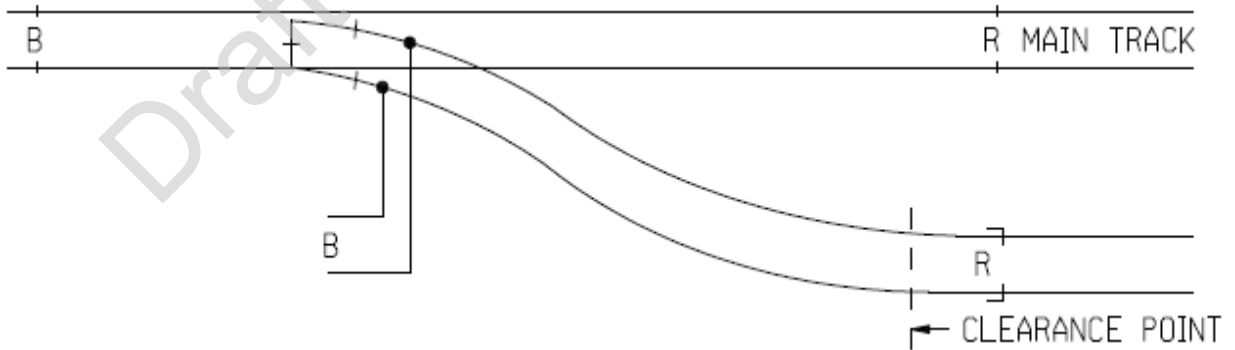


Figure 2115-2: Turnout Movements at More Than 45 MPH

* Location of B (Track Feed) and R (Relay) May be Reversed

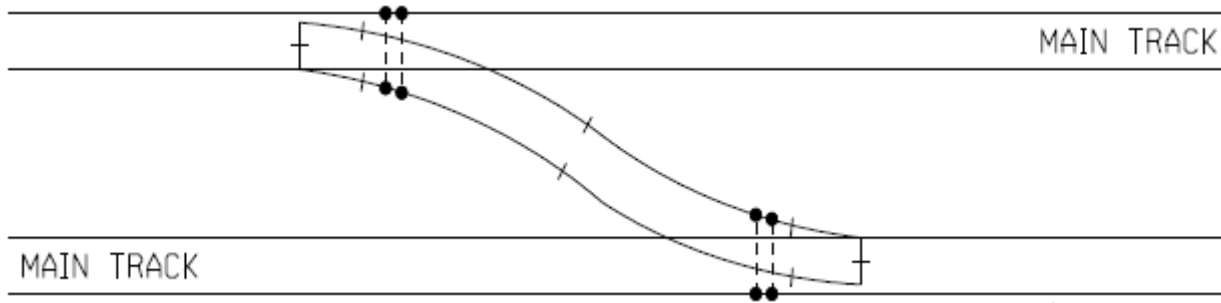


Figure 2115-3: Interlocked Crossover Movements at 45 MPH or Less

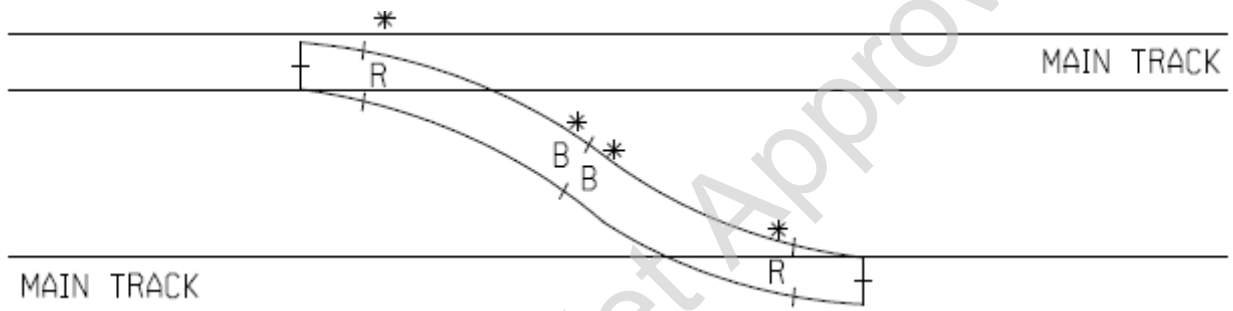


Figure 2115-4: Interlocked Crossover Movements at More Than 45 MPH and for Use in Automatic Signal Territory

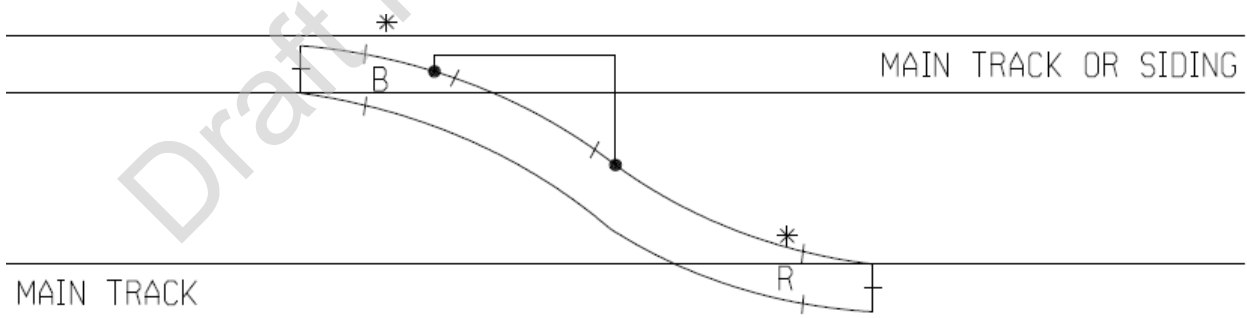


Figure 2115-5: Crossover Size 11 or Less. For Use in Automatic Signal Territory Where Only One Such Crossover Connects into the Same Main Line Track Circuits

* Location of B (Track Feed) and R (Relay) May be Reversed

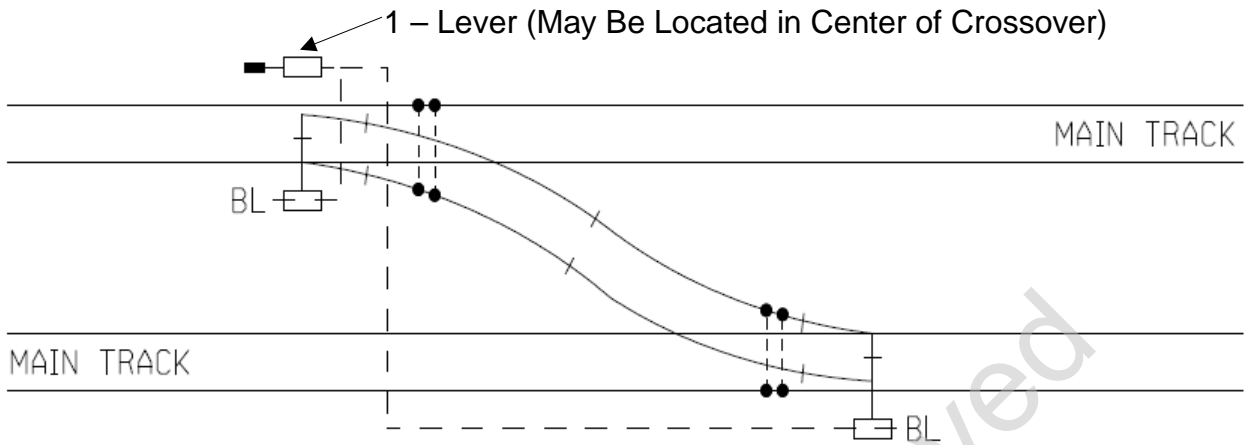


Figure 2115-6: Crossover Movements at 45 MPH or Less. For Use in Automatic Signal Territory

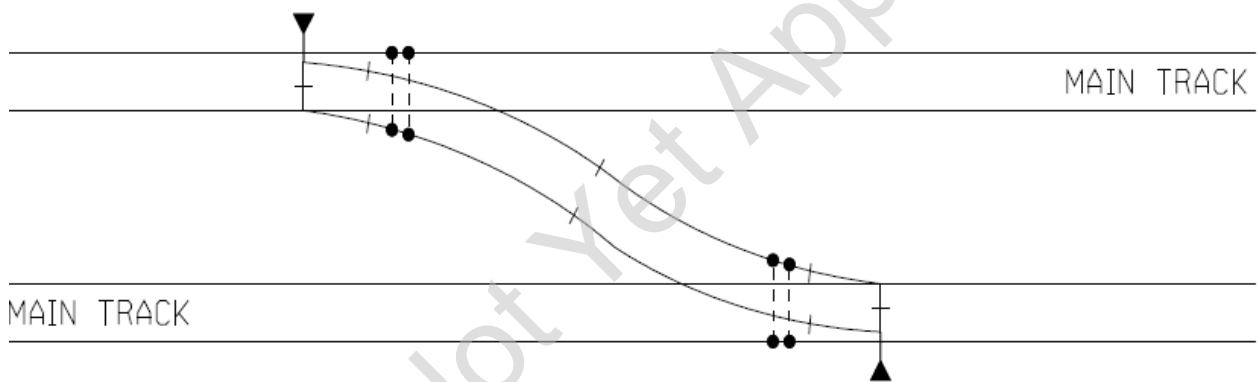


Figure 2115-7: Hand-Operated Crossover Movements at 45 MPH or Less. For use Where Control Circuits for Electric Locks Provide the Electrical Equivalent of the Arrangement Shown in Figure 6.

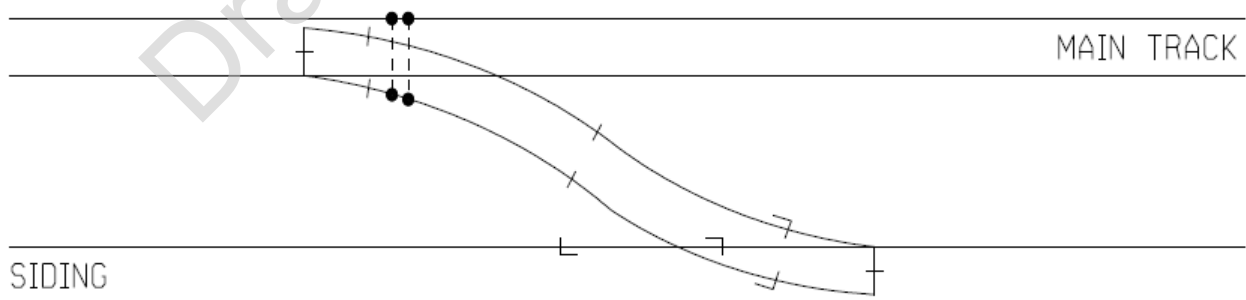


Figure 2115-8: Crossover Movements at 45 MPH or Less. For Use in Automatic Signal Territory Where Only One Such Siding Crossover Connects into the Same Main Track Circuit.

Notes:

1. Other arrangements of fouling protection may be used in accordance with individual railroad practices or as required by special conditions.
2. In locating insulated joints consideration must be given to minimum wheelbase, maximum clear span and lateral clearance of equipment.
3. These methods of fouling protection apply to either ac or dc track circuits where electric propulsion is not involved.
4. Bonding and cross connections shall be installed in accordance with Manual Part 8.1.20 Recommended Application Criteria for Track Circuit Bonding.
5. Insulated joints shall be located in accordance with Manual Parts 2.1.20A Recommended Insulated Joint Location for Automatic Signals and Interlocking and 2.1.20B Recommended Insulated Joint Location for Non-Interlocked Switches.
6. Electric locks on hand-operated switches are shown in figure 2115-7 because they have a bearing on fouling protection requirements.