

Switch Roller Installation, Set Up & Maintenance

Scope

Includes:
Excludes:

Preparation

Tools, equipment and plant items required but not limited to:

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Work planning considerations:

- Electrification requirements

Method

1. Check correct replacement materials have been supplied before carrying out any work.
2. Remove all chair screws within the vicinity of the slide chair to be replaced, to ensure that during lifting, no surrounding timbers will be disturbed.
3. Insert pump jacks and lift rails. Remove old chair ensuring that at no time are fingers placed under the rail seating. Place wooden blocks under the rails to protect against the rail dropping if jack failed.
4. Insert new chair again being careful not to place fingers under rail seating.
5. Adjust position of chair so that holding down screw holes and rail web bolts are aligned. Check that there are no obstructions and then lower the rail.
6. Relocate screw holes and plug/drill as required.
7. Tighten down chairscrews using a Bance wrench or similar tool, ensure that the screws are not overdriven. Between 3-5mm of ferrule should be visible.
8. Adjust the height of the rollers to make sure that during switch operation the switch blade is lifted slightly onto each roller throughout the full extent of the movable section. The settings on each chair should be recorded.
9. Signalling staff to check installation and correct operation of points before bring back into use.
10. Remove all scrap and leave a tidy site.

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References

Supports Ellipse Standard job

- 009134 S&C - Install Rollers
- 009146 S&C - Switch Rollers - Maintain

If applicable refer to the following associated documents:

- NR/SP/TRK/001 Inspection and Maintenance of Permanent Way
- NR/WI/TRK/001 Track Inspection Handbook

- Risk Control Sheets
- NR/L3/MTC/0002/TK000 Generic Track Risks

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