

Adjustment Switch – Maintain

Scope

Includes: Adjustment switches only
Excludes: All other types of switches

Preparation

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

- Fastening extractors, hammers, spanners, pad scrappers and bars
- Shovels
- Jacks
- Lubricant
- Top hat spanner for adjustment switch bolts and chair screws
- Angle grinder/MV3 grinder

Work planning considerations:

- Possessions/isolation requirements
- Bonding arrangements
- Lipping removal to allow ultrasonic testing
- Check switch overlap measurement

Method

1. Release clamp plate bolts securing adjustment switches to baseplates.
2. Prise apart overlaps, clean off old grease and remove any debris.
3. Grind off any lipping and blend in as required.
4. Clean off any loose metal particles.
5. Lubricate switch overlaps, baseplates and clamp plates.
6. Replace any worn out components (bolts – spring washers).
7. Lubricate bolts, refit clamp plates and re-secure.
8. Measure and record rail temperatures and switch overlaps.
9. Check and record whether both blades are correctly retained within the clamp plates.
10. Tidy site removing all scrap and surplus materials.
11. Forward records to line manager.

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References

Supports Ellipse Standard job

- 009072 Adjustment switch - maintain

If applicable refer to the following associated documents:

- NR/SP/TRK/001 Inspection and maintenance of Permanent Way
- NR/GN/TRK/7001/TWI2P012 How to adjust adjustment switches
- Risk Control Sheets:
 - NR/L3/MTC/0002/TK000 Generic Track Risks
 - NR/L3/MTC/0002/TK405 Adjustment switch – Maintain/Reset