

Track – Lubricate Fishplates

Scope

Includes: 4 hole fishplates

Excludes: Insulated block joints, glue joints, tight jointed fishplates

Preparation

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

- Wire brush
- Small running on fishbolt spanner
- Large fishbolt spanner
- Bars
- Hydraulic nut splitter
- Scraper
- Torque wrench
- Dismantling fluid
- Fishplate lubricant
- Lubricant applicator (brush, grease gun, oil can, spray)
- Mirror (for rail foot inspection)

Work planning considerations:

- Bonding arrangements
- Correct components available
- Associated work for joint geometry
- Associated work for expansion gap

Method

1. Fully slacken the fishbolt nuts. (If seized use dismantling fluid or nut splitter as applicable).
2. Prise fishplates away from the rails taking care to avoid disturbing the shims (if fitted).
3. Clean the fishing surfaces.
4. Check the fishplates, bolts and rails for cracks and excessive wear. Action as necessary.
5. If necessary fit new fishplates or bolts.
6. Apply fishplate lubricant to the fishing surfaces of the rail, fishplates and exposed bolt threads.
7. If required fit or replace shims.
8. Using the small running on fishbolt spanner tighten the nuts nearest to the rail ends. Then tighten the remaining nuts, working away from the rail ends, alternating from one side to another.

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9. Torque the nuts to the required setting, working away from the rail ends, alternating from one side to another.
10. Apply lubricant to visible bolt thread to protect for future work.
11. Upon completion of the work remove all scrap materials from site.

References

Supports Ellipse Standard job

- 009059 Track - lubricate fishplates

If applicable refer to the following associated documents:

- NR/SP/TRK/001 Inspection and Maintenance of Permanent Way
- NR/L3/TRK/002/F03 Track – Renew Fishplates
- NR/L3/TRK/002/F04 Track – PL - Fit fishplate shims
- NR/GN/TRK/7001/TWI2P003 How to lubricate fishplates

- Risk Control Sheets:
 - NR/L3/MTC/0002/TK000 Generic Track Risks
 - NR/L3/MTC/0002/TK403 Fishplate – Renew, lubricate, fit shims