Course 202: Inspection and Maintenance of Switches and Derails Module 3: Generic Inspection of Switches and Derails

General Inspection & Maintenance of Switches and Derails Switches and Derails SIGNALS TRAINING CONSORTIUM

Riders Depend on Us What do these three pictures all have in common? SIGNALS TRAINING CONSORTIUM Pictures and Derails Riders Depend on Us What do these three pictures all have in common?

Inspection and Maintenance of Switches and Derails

Outline

- · Identify hardware which needs to be tightened
- Demonstrate ability to tighten appropriate hardware
- Ensure all locks are in place and secure
- Identify areas/components which need to be lubricated on a regular PM schedule
- Inspect and maintain switch layout (where applicable)
- Describe purpose and components of mechanical locking
- Inspect and maintain lock rod
- · Inspect and maintain throw rod

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Inspection and Maintenance of Switches and Derails Outline · Inspect and maintain point detector rod • Inspect and maintain switch circuit controller Inspect and maintain switch point heaters/snow melters (where applicable) • Inspect and maintain moveable point frogs Demonstrate ability to perform point detector test • Demonstrate ability to perform obstruction test Demonstrate ability to adjust point tension Inspect and maintain circuit control heaters (where • Demonstrate ability to test electrical indication SIGNALS TRAINING CONSORTIUM Inspection and Maintenance of Switches and Derails **Key Terms** Activity: In your course book, circle any key terms you feel you need to learn better. Example: Front Rod SIGNALS TRAINING CONSORTIUM Inspection and Maintenance of Switches and Derails Recall Thinking back to previous knowledge or course work, what do you already know about general inspection and maintenance for switches and derails? SIGNALS TRAINING CONSORTIUM

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Overview Manual Electrical Electro-Pneumatic Electro-Hydraulic Always take appropriate actions to secure the work area before performing any inspections/maintenance. Always request time on the line. When performing inspection and maintenance that does not require throwing the switch: secure points, disconnect electricity and shut off appropriate valves. More information on this in Course 202 Module 1: Overview and Safety.



