



# Union Pacific Railroad Safety Rules

---

Effective Date: July 2, 2013  
PB-20369-L

---

These rules become effective at 0900 CDT Tuesday, July 2, 2013. At that time, all previous rules and instructions that are inconsistent with these rules become void.



**BUILDING AMERICA®**

## **STATEMENT OF SAFETY POLICY:**

It is the policy of the Union Pacific Railroad that operations be conducted in a safe manner. The management of Union Pacific Railroad believes:

- All injuries can be prevented.
- All management and employees at all levels are responsible for maintaining safe working conditions and preventing personal injuries.
- Carrying out **work functions** in a **safe manner** is more important than meeting deadlines, production schedules, and other non-safety criteria.



70.0	GENERAL SAFETY INSTRUCTIONS .....	70-1
70.1	Safety Responsibilities .....	70-1
70.2	Comply With Instructions .....	70-1
70.3	Job Briefing.....	70-1
70.4	Removal of Unauthorized Persons.....	70-2
70.5	Criminal Activity .....	70-2
70.6	Lifting and Moving Material .....	70-2
	70.6.1 Lifting with Two or More Employees .....	70-3
70.7	Protection of Body Parts .....	70-3
70.8	Safety Around Machines and Equipment .....	70-3
70.9	Door or Hatch .....	70-3
70.10	Cabinets .....	70-3
70.11	Office Equipment and Furniture .....	70-4
70.12	Protruding Objects .....	70-4
70.13	Energizing Machinery .....	70-4
70.14	Damaged or Defective Machinery .....	70-4
70.15	Compressed Air / Gas.....	70-5
70.16	Drop or Throw Objects.....	70-5
70.17	Rail Under Tension .....	70-5
70.18	Fusees .....	70-6
70.19	Air Contaminants .....	70-6
70.20	Internal Combustion Engines .....	70-7
70.21	Spills.....	70-7
70.22	Skin Protection.....	70-7
70.23	Hazard Communication Standard .....	70-8
70.24	Drums and Containers .....	70-8
70.25	Working with Refrigeration Systems .....	70-8
71.0	PERSONAL PROTECTIVE EQUIPMENT .....	71-1
71.1	General Guidelines .....	71-1
71.2	Hearing Protection .....	71-1
	71.2.1 Service, Repair and Mechanical Facilities .....	71-1
	71.2.2 Locomotives .....	71-2
	71.2.3 Near Retarders.....	71-2
	71.2.4 Roadway or Work Equipment.....	71-2
	71.2.5 Jet Blowers or Pile Drivers.....	71-2
	71.2.6 Other Equipment and Tools.....	71-3
	71.2.7 Intermodal Ramps .....	71-3
71.3	Gloves .....	71-3
71.4	Hard Hats .....	71-4
71.5	Eye Protection .....	71-4
	71.5.1 Areas that Require Eye Protection.....	71-5
	71.5.2 Contact Lenses .....	71-5
	71.5.3 Dark Lenses .....	71-5
71.6	Proper Attire .....	71-6
	71.6.1 Highly Visible Outer Wear .....	71-7
71.7	Footwear.....	71-8
71.8	Visitors and Contractors.....	71-9
71.9	Respirators .....	71-9

72.0	FIRE PREVENTION.....	72-1
72.1	In Case of Fire .....	72-1
72.2	Fire Prevention .....	72-1
72.3	Fire Protection Device Inspection.....	72-2
72.4	Starting Fires .....	72-2
72.5	Open Burning.....	72-2
72.6	Ignition Sources .....	72-3
72.7	Liquified Petroleum Gas (LPG) .....	72-3
72.8	Flammable and Combustible Liquids .....	72-3
72.9	Handling Flammable Liquids.....	72-3
72.10	Cleaning and Polishing .....	72-4
72.11	Fueling Track Cars, Roadway Machines, and Automotive Units .....	72-4
	72.11.1 Fueling Portable Power Equipment .....	72-4
72.12	Unapproved Heating or Lighting Devices .....	72-4
72.13	Open Flame Starting.....	72-4
73.0	EXPLOSIVES .....	73-1
73.1	Authorized Personnel.....	73-1
73.2	Handling Explosives.....	73-1
74.0	VEHICLE OPERATIONS.....	74-1
74.1	Vehicle Maintenance.....	74-1
74.2	Driver and Passenger Responsibilities.....	74-2
	74.2.1 Qualified Drivers.....	74-3
74.3	Cell Phone and Electronic Device Use.....	74-4
74.4	Clearing Obstructions .....	74-4
74.5	Seat Belts .....	74-4
74.6	Back-Up Moves .....	74-5
	74.6.1 Back-Up Moves by Engineering Employees and Contractors.....	74-6
	74.6.2 Back-Up Moves on Rail .....	74-7
74.7	Railroad Grade Crossing .....	74-7
	74.7.1 Yard Crossings.....	74-7
74.8	Hazardous Materials .....	74-8
74.9	Parked Vehicle.....	74-8
74.10	Trailers.....	74-8
74.11	Working Under Vehicles / Trailers.....	74-9
74.12	Off Road Vehicles.....	74-9
74.13	Batteries .....	74-9
	74.13.1 Charging Batteries.....	74-10
	74.13.2 Jump Starting .....	74-11
74.14	Flagging Kits.....	74-11
75.0	MATERIAL HANDLING .....	75-1
75.1	Material Storage .....	75-1
75.2	Material Handling.....	75-2
75.3	Loading and Unloading Tractor Trailers .....	75-3
75.4	Load Binders.....	75-3
75.5	Drums and Barrels .....	75-3
75.6	Wheel Sets .....	75-3
75.7	Forklifts.....	75-4

76.0	TOOLS AND MACHINERY .....	76-1
76.1	Use of Tools and Machinery .....	76-1
76.2	General.....	76-1
	76.2.1 Inspection of Tools and Equipment.....	76-1
	76.2.2 Safety Guards / Chip Protectors .....	76-1
	76.2.3 Tool Storage and Placement .....	76-2
	76.2.4 Set Screws / Chuck Wrenches .....	76-2
76.3	Hand Tools .....	76-3
	76.3.1 Use of Wrench.....	76-3
	76.3.2 Swinging Tools.....	76-4
	76.3.3 Sharp Edged Tools.....	76-5
	76.3.4 Drift Pin .....	76-5
	76.3.5 Banding Tools .....	76-6
	76.3.6 Files .....	76-6
	76.3.7 Carrying Tools.....	76-6
	76.3.8 Bars, Levers and Tools.....	76-6
	76.3.9 Use of Claw Bars to Remove Spikes .....	76-7
	76.3.10 Lining Bars .....	76-7
	76.3.11 Rail Turners.....	76-7
	76.3.12 Use of Tie or Timber Tongs .....	76-7
	76.3.13 Track Jack.....	76-8
	76.3.14 Jacking Equipment .....	76-8
	76.3.15 Securing Jacked Equipment .....	76-9
76.4	Portable Power Tools.....	76-9
	76.4.1 Securing Hose Connections .....	76-9
	76.4.2 Powder Actuated Tools .....	76-9
	76.4.3 Chain Saw.....	76-10
	76.4.4 Rail Saws .....	76-10
76.5	Fixed Machinery / Portable Equipment.....	76-11
	76.5.1 Servicing Machines .....	76-11
	76.5.2 Unattended Machines and Equipment.....	76-11
	76.5.3 Clamping Material .....	76-11
	76.5.4 Removing Chips .....	76-11
	76.5.5 Pedestal or Bench Mounted Abrasive Grinders .....	76-12
	76.5.6 Anvils / Dies / Trip Hammers .....	76-13
77.0	MECHANICAL LIFTING / PULLING OPERATIONS .....	77-1
77.1	Qualified Employees .....	77-1
77.2	Inspection .....	77-1
77.3	Safe Load and Load Control .....	77-1
77.4	Positioning .....	77-2
77.5	Groundman.....	77-2
77.6	Crane Operator.....	77-2
77.7	Signals.....	77-3
77.8	Crane Audio Signals .....	77-9
77.9	Raising Personnel.....	77-9
77.10	Operation with Trains Passing .....	77-9
77.11	Pulling Applications.....	77-10
77.12	Mobile Cranes.....	77-11
	77.12.1 Safe Load Placard.....	77-11
	77.12.2 Boom Inspection.....	77-11

77.12.3	Handling Equipment in Work Train .....	77-11
77.13	Overhead Cranes / Hoists .....	77-12
77.13.1	Test Crane / Hoist .....	77-12
77.13.2	Load Movement.....	77-12
77.14	Wire Rope .....	77-13
77.14.1	Wire Rope Inspection / Repair / Replacement .....	77-13
77.14.2	Wire Rope Handling .....	77-14
77.14.3	Wire Rope Maintenance .....	77-14
77.14.4	Drum Fastening.....	77-14
77.14.5	Sockets, Clamps, and Thimbles .....	77-15
77.15	Rigging .....	77-16
77.15.1	Rigging.....	77-16
77.16	Fittings.....	77-17
77.16.1	Fitting Inspection and Replacement.....	77-17
77.16.2	Hooks and Attachments .....	77-17
77.17	Slings .....	77-18
77.17.1	Sling Inspection / Replacement .....	77-18
77.17.2	Chain Working Loads .....	77-19
77.17.3	Chain Lifting Devices.....	77-19
77.17.4	Chain Sling Use.....	77-19
77.17.5	Chain Lubrication .....	77-19
77.17.6	Eye Bolts and Hoist Rings .....	77-20
77.17.7	Ropes.....	77-20
78.0	ELECTRICAL .....	78-1
78.1	Qualified Employees .....	78-1
78.2	Lockout / Tagout.....	78-1
78.3	Electrical Cords / Insulation / Grounding .....	78-1
78.4	Electrical Panels .....	78-2
78.5	Voltage Rated Rubber Gloves .....	78-2
78.6	Precautions Around Exposed Energized Circuits .....	78-2
78.7	Working Near Power Lines .....	78-3
78.8	Operating Booms Near Power Lines.....	78-3
78.9	Power Supply Turned Off.....	78-4
78.10	Handling Electrical Wires.....	78-4
79.0	WELDING – CUTTING, WELDING OR HEATING .....	79-1
79.1	Authorized Employees .....	79-1
79.2	Protective Equipment.....	79-2
79.2.1	Eye Precautions / Shade Requirements .....	79-2
79.2.2	Fire Protection / Shielding .....	79-3
79.2.3	Proper Clothing .....	79-3
79.3	Cleaning Work Area.....	79-3
79.4	Welding, Heating or Cutting on Freight Equipment .....	79-4
79.5	Welding, Cutting or Heating on Tank Cars .....	79-5
79.6	Welding Equipment Repairs or Alterations.....	79-6
79.7	Torch Test .....	79-6
79.8	Ventilation and Respiratory Protection .....	79-6
79.9	Confined Spaces and Areas .....	79-6
79.9.1	Confined Space Entry Safety Precautions .....	79-7

79.10	Hot Work on Containers.....	79-7
79.11	Oil and Grease.....	79-7
79.12	Metal Cutting Precautions.....	79-8
79.13	Cutting Under Tension.....	79-8
79.14	Cylinders.....	79-9
79.15	Regulators.....	79-11
79.16	Valves.....	79-12
79.17	Hoses.....	79-13
79.18	Torches.....	79-14
	79.18.1 Flashback Arrestors.....	79-14
79.19	Use of Natural Gas.....	79-15
79.20	Electrical Welding.....	79-15
	79.20.1 Maintenance and Repair.....	79-15
	79.20.2 Cable Precautions.....	79-15
	79.20.3 Cables.....	79-15
	79.20.4 Portable Welding Machines.....	79-15
	79.20.5 Grounding Electrical Arc Welding.....	79-16
	79.20.6 Protect from Electrical Shock and Moisture.....	79-16
	79.20.7 Electrodes / Electrode Holder.....	79-17
	79.20.8 Polarity Switch.....	79-17
	79.20.9 Thermite Welding.....	79-17
80.0	WALKING / WORKING SURFACES.....	80-1
80.1	Avoiding Slips, Trips and Falls.....	80-1
80.2	Precautions Against Slips, Trips and Falls.....	80-1
80.3	Stairs.....	80-1
80.4	Look Both Directions.....	80-1
80.5	Jumping.....	80-2
80.6	Working at Night or Low Light Level.....	80-2
80.7	Conveyors.....	80-2
80.8	Safe Distance from Edge.....	80-2
80.9	Turntables.....	80-2
80.10	Overhead Hazards.....	80-2
80.11	Ladders.....	80-3
	80.11.1 Inspection.....	80-3
	80.11.2 Placement.....	80-4
	80.11.3 Ascending or Descending.....	80-4
	80.11.4 Near Doors and Aisles.....	80-4
	80.11.5 Climbing with Tools / Material.....	80-4
80.12	Platforms.....	80-5
80.13	Sectional Scaffolding.....	80-5
80.14	Fall Protection.....	80-5
81.0	WORKING AROUND TRACKS OR BEING ON EQUIPMENT.....	81-1
81.1	Precautions Around Tracks and Moving Equipment.....	81-1
	81.1.1 Precautions Near Passing Trains or Equipment.....	81-1
	81.1.2 Signals for Movement.....	81-1
	81.1.3 Warning Traffic at Grade Crossings.....	81-1
81.2	Crossing Tracks.....	81-2
	81.2.1 Walking Near or Crossing Tracks.....	81-2
	81.2.2 Sufficient Distance.....	81-2

81.3	Safety Appliances .....	81-3
81.4	Getting On or Off Equipment.....	81-3
81.4.1	Standing Equipment .....	81-4
81.4.2	Moving Equipment.....	81-4
81.4.3	Loading and Unloading Luggage and Supplies.....	81-5
81.5	Crossing Through or Fouling Equipment.....	81-5
81.5.1	Crossing Through Standing Equipment .....	81-5
81.5.2	Stepping from One Car to Another .....	81-5
81.5.3	Moving Cars .....	81-6
81.5.4	Understanding between Crew Members Before Crossing Through or Fouling Equipment .....	81-7
81.5.5	Trainline Power Cables .....	81-8
81.6	Coupler and End Sill .....	81-8
81.6.1	Placing Feet .....	81-8
81.7	Riding Equipment .....	81-9
81.7.1	Unexpected Movement.....	81-11
81.7.2	Shiftable Lading.....	81-12
81.7.3	Business Cars or Passenger Equipment .....	81-12
81.7.4	Riding Locomotive Cranes and Work Equipment.....	81-13
81.8	Close Clearances .....	81-14
81.8.1	Avoid Fouling Hazards .....	81-14
81.8.2	Maintain Lookout.....	81-14
81.8.3	Impaired Clearances .....	81-15
81.9	Cars in Motion.....	81-15
81.10	Moving Equipment in Locomotive, Car, or Maintenance of Way Repair Facilities ....	81-16
81.10.1	Before Moving Equipment .....	81-16
81.10.2	Using Mobile Equipment.....	81-16
81.10.3	Using Locomotive.....	81-17
81.10.4	One Person Operations.....	81-17
81.11	Hand Brake.....	81-18
81.11.1	Releasing Hand Brake.....	81-18
81.11.2	Difficult or Defective Hand Brake.....	81-18
81.11.3	Brake Sticks .....	81-19
81.12	Wheel Chock / Skate .....	81-19
81.13	Coupling and Uncoupling Equipment.....	81-20
81.13.1	Working Between Equipment .....	81-20
81.13.2	Coupler Adjustment.....	81-21
81.13.3	Using a Knuckle-Mate .....	81-21
81.13.4	Using a Coupler Alignment Strap.....	81-22
81.13.5	Replacing Knuckles.....	81-22
81.13.6	Opening Angle Cock.....	81-23
81.13.7	Coupling and Uncoupling Hoses.....	81-23
81.14	Dump Cars .....	81-23
81.15	Car Doors .....	81-24
81.16	Load Dividers.....	81-24
81.17	Cars Being Loaded or Unloaded .....	81-25
81.18	Loading Roadway Equipment .....	81-25
81.19	Air Brake Rigging .....	81-25
81.20	Moving In and Out of Equipment or On Equipment.....	81-26
81.21	Locomotives, Working On or About.....	81-26
81.21.1	General Requirements .....	81-26



81.21.2	Restrictions .....	81-27
81.21.3	Locomotive Cab Floor .....	81-27
81.21.4	Locomotive Electrical Components.....	81-27
81.22	Securing Supply Apparatus.....	81-28
81.23	Lockout Protection Required.....	81-28
<b>82.0</b>	<b>HANDLING SWITCHES AND DERAILS.....</b>	<b>82-1</b>
82.1	Switches and Derails .....	82-1
82.2	Operating Switch by Hand .....	82-1
82.3	Switch Operation .....	82-1
82.4	Defective Switches.....	82-2
82.5	Operating High / Low-Stand Switch .....	82-2
82.6	Operating Lever-Action Switches .....	82-3
82.7	Switch Point Locks.....	82-3
82.8	Spring Switch.....	82-4
82.9	Power Switch.....	82-4
82.10	Switch Heaters.....	82-4
<b>83.0</b>	<b>INTERMODAL RAMP RULES.....</b>	<b>83-1</b>
83.1	General Intermodal Ramp Rules.....	83-1
83.1.1	Authorized Personnel on Company Property.....	83-1
83.1.2	Walkways .....	83-1
83.1.3	Staying Clear of a Suspended Load .....	83-1
83.1.4	Riding In / On Intermodal Equipment.....	83-1
83.1.5	Parking of Containers, Trailers, Chassis.....	83-1
83.1.6	Adjustment of Containers on Chassis.....	83-2
83.1.7	Lading Securement .....	83-2
83.1.8	Repairs to Equipment.....	83-2
83.2	Operating Vehicles on Ramp .....	83-2
83.2.1	Speed Limits on Ramp .....	83-2
83.2.2	Observing Stop Signs.....	83-2
83.2.3	Vehicle Lights.....	83-2
83.2.4	Operating Vehicles .....	83-3
83.3	Working On or Around Equipment .....	83-4
83.3.1	Precautions Near Equipment.....	83-4
83.3.2	Overhead Lifting.....	83-4
83.3.3	Working Around Lift Equipment – Groundmen.....	83-4
83.3.4	Staying Clear of a Suspended Load .....	83-4
83.3.5	Getting On and Off Intermodal Cars .....	83-5
83.3.6	Top Chords – Double Stack Cars .....	83-5
83.3.7	Standing on Platform .....	83-5
83.3.8	Crossing Platforms .....	83-5
83.4	Loading Trailer / Container on Flat Car .....	83-5
83.4.1	Trailer / Container Doors .....	83-5
83.4.2	King Pin.....	83-5
83.4.3	Loading Container on Flat Car – COFC.....	83-6
83.4.4	Electrical Wrenches.....	83-6
83.4.5	Hitches .....	83-6
83.5	Container on Double Stack Car .....	83-7
83.5.1	Loading Container .....	83-7
83.5.2	Side Spacers.....	83-7

---

83.5.3	IBC Storage.....	83-7
83.5.4	Securing Containers.....	83-7
83.6	Stacking Chassis .....	83-7
GLOSSARY	.....	GL-1
INDEX	.....	IN-1

70.0 GENERAL SAFETY INSTRUCTIONS	
<p><b>70.1</b></p> <p><i>Ref. Rule(s)</i> 1.1 1.1.1 1.1.2</p>	<p><b>Safety Responsibilities</b></p> <p>Employees are empowered to work safely and must:</p> <ul style="list-style-type: none"> <li>• Be responsible for personal safety and accountable for their behavior.</li> <li>• Correct or protect any unsafe condition or practice and report to proper authority.</li> <li>• Maintain situational awareness.</li> <li>• Work within the limits of physical capabilities. Excessive force must not be used to accomplish tasks.</li> </ul>
<p><b>70.2</b></p> <p><i>Ref. Rule(s)</i> 1.13</p>	<p><b>Comply With Instructions</b></p> <p>Employees must comply with instructions contained in company publications and required documents.</p>
<p><b>70.3</b></p> <p><i>Ref. SRM Section R</i></p>	<p><b>Job Briefing</b></p> <p><b>A. Job Briefing Requirement</b></p> <p>Job briefing must be conducted:</p> <ul style="list-style-type: none"> <li>• With all individuals involved in the task before work begins.</li> <li>• If work plan or work group changes.</li> </ul> <p><b>B. Conduct Job Briefing</b></p> <p>Job briefing must:</p> <ul style="list-style-type: none"> <li>• Consider existing and potential hazards that might be involved as a result of:                         <ul style="list-style-type: none"> <li>○ Weather.</li> <li>○ Scope of work.</li> <li>○ Tools and equipment.</li> </ul> </li> <li>• Identify PPE requirements.</li> <li>• Assign responsibility.</li> <li>• Explain group / individual assignments, while considering abilities and experience.</li> <li>• Be aware of work groups and equipment in work area.</li> <li>• Identify job location.</li> <li>• Verify understanding of instructions and assignments.</li> </ul> <p>For complex jobs:</p> <ul style="list-style-type: none"> <li>• Brief only a portion of the job.</li> <li>• Conduct additional briefing(s) as the job progresses.</li> </ul> <p>Complete and sign the job briefing document when applicable.</p>

82.0 HANDLING SWITCHES AND DERAILS	
82.1	<p><b>Switches and Derails</b></p> <p>Only authorized persons may unlock, operate or repair switches or derails.</p> <p>Do not sit or lean on any part of switch or derail.</p>
<p>82.2</p> <p><i>Ref. Rule(s)</i> 8.2</p>	<p><b>Operating Switch by Hand</b></p> <p>When switch is to be operated by hand, equipment must not pass the following limits:</p> <p><b>Trailing Point movement:</b></p> <ul style="list-style-type: none"> <li>• Stop movement before fouling adjacent track to prevent tension being placed on switch points and switch handle.</li> </ul> <p><b>Facing Point movement:</b></p> <ul style="list-style-type: none"> <li>• Stop movement a sufficient distance from switch points to prevent binding of switch points.</li> </ul>
<p>82.3</p> <p><i>Ref. Rule(s)</i> 8.2 8.8</p>	<p><b>Switch Operation</b></p> <p>Switches have different physical operating characteristics. Be familiar with the procedures for properly lining each type of switch. Switch operation will change depending on weather, temperature, maintenance, and other operating conditions.</p> <p>While operating a switch or derail, keep hands and feet clear to avoid being caught or struck by the switch lever handle or ball.</p> <p>Before operating a switch or derail:</p> <ol style="list-style-type: none"> <li>1. Look in both directions and be alert for moving equipment on adjacent tracks.</li> <li>2. Visually inspect the switch or derail, making sure it is not damaged, locked, tagged or spiked and points are not obstructed by ballast, ice, snow, or other material which may interfere with the normal movement of switch points.</li> <li>3. If necessary to remove foreign material between the switch point and stock rail, use a broom, stick or similar object. Do not use your hand or foot for this purpose. If the switch is spiked, do not attempt to operate it.</li> <li>4. Always take a firm stance and be alert for conditions which may cause loss of footing.</li> </ol> <p>After operating a switch or derail:</p> <ol style="list-style-type: none"> <li>1. Look in both directions and be alert for moving equipment on adjacent tracks.</li> <li>2. Visually inspect the switch or derail, confirming the points fit properly and the target, if so equipped, corresponds with the switch's position.</li> </ol>

<p>82.4</p>	<p><b>Defective Switches</b></p> <p>When a switch is hard to operate, defective, or in need of maintenance, do the following:</p> <ul style="list-style-type: none"> <li>• Take the switch out of service.</li> <li>• Report the switch to the proper authority, including its exact location and problem.</li> <li>• Tag the defective switch with a warning tag describing the defect.</li> <li>• Spike switch when necessary.</li> </ul> <p><b>CAUTION: Do not rely solely on tags for identifying spiked switches.</b></p> <p>The switch must remain out of service until an inspection and repairs can be completed.</p>
<p>82.5</p> <p><i>Ref. Rule(s)</i> 8.8</p>	<p><b>Operating High / Low-Stand Switch</b></p> <p><b>CAUTION: The switch handle may be under compression and may swing around when released from the keeper slot.</b></p> <p><b>When operating a high / low stand switch:</b></p> <ol style="list-style-type: none"> <li>1. Lift up on switch handle, keeping the body clear of handle movement.</li> <li>2. Do not jerk handle and avoid placing body in a twisted or awkward position. Pull handle slowly through its arc of travel. Expect that the switch may suddenly operate in either an easy or stiff manner.</li> <li>3. Always keep firmly braced and do not exert unnecessary force. Reposition feet as necessary to maintain good body mechanics. Use leg muscles instead of back muscles.</li> <li>4. When switch is in the desired position, fully insert the handle into the keeper slot.</li> <li>5. Once the handle is down, secure it with a lock or hook, when available.</li> </ol> <p>Use either the two-hand or the mast-support method to lift the lever handle out of the base.</p> <p><b>Two-Hand Method</b> When using the two-hand method:</p> <ol style="list-style-type: none"> <li>1. Stand facing the switch stand and place both hands near the end of the handle.</li> <li>2. Lift up the switch handle, keep your back as straight as possible and your legs slightly bent.</li> </ol> <p><b>Mast-Support Method</b> When using the mast-support method:</p> <ol style="list-style-type: none"> <li>1. Place one hand on the mast and the other hand on the end of the handle.</li> <li>2. Stand parallel to the handle and slowly pull the handle through the line of travel.</li> <li>3. After completing the move, stand as close to the handle as possible, leaving room for the handle to clear the body, and push the handle down into keeper slot.</li> </ol> <p>Do not use your feet to operate this type of switch or secure the handle.</p>

82.6	<p><b>Operating Lever-Action Switches</b></p> <p>CAUTION: The switch lever may be under compression and could pop up when released from the latch or keeper.</p> <p><b>When operating a lever-action switch:</b></p> <ol style="list-style-type: none"> <li>1. Stand parallel to handle movement, with your stance centered over the lever arm handle.</li> <li>2. If the switch is equipped with a foot latch, keep foot on the latch until lever is moved toward the vertical position. Hand or other object must not be used to release latch.</li> <li>3. Stand as close as possible to the lever arm, placing one hand on knee or on top of the switch staff for support.</li> <li>4. Place other hand on the handle and lift up slowly and smoothly.</li> <li>5. Once the lever has traveled at least to the vertical position, reposition feet and hands so lever movement may be completed with a pushing motion.</li> <li>6. On ground throw switches (not 45 degree switches), where movement is completed in close proximity to the ground, it is permissible to use one foot to complete the last 6 inches of movement, provided good balance is maintained. Place one foot near the end of the lever and step down until lever arm is latched.</li> </ol> <p><b>CAUTION: Avoid using feet to push the lever arm down during wet, ice, or snow conditions, or if oil, grease, or other such contaminants are present.</b></p>
82.7	<p><b>Switch Point Locks</b></p> <p>Switch point locks are installed on certain main track switches at the base of the rail and locked with a switch lock. Switches equipped with this device are identified by:</p> <ul style="list-style-type: none"> <li>• A sign on the switch stand. or</li> <li>• A switch handle or bottom portion of stand painted yellow.</li> </ul> <p>To operate the switch, remove the lock and depress the foot pedal with your foot. This must be done before attempting to operate the switch. Do not use your hands to depress the foot pedal.</p> <p>To reengage the device, snap the switch point lock into locking position by returning the switch to the normal position. Inspect to assure the locking position before putting hands near the switch point lock or replacing the padlock. If the switch point lock fails to snap into locking position, reopen the switch and repeat the process.</p> <p>If defects exist:</p> <ul style="list-style-type: none"> <li>• Do not attempt to pull the pedal by hand or other means.</li> <li>• Contact the train dispatcher and report the switch point lock defective. Attach an out-of-service or warning tag to the switch.</li> </ul>

82.8	<b>Spring Switch</b>  Do not manually operate a spring switch when springs are compressed by wheels, except in an emergency. In an emergency, keep clear of the handle when it is released.
82.9	<b>Power Switch</b>  Take precautions to avoid injury when working on power-operated, remote or automatic control, or interlocking switches, derails, or movable point frogs. <ul style="list-style-type: none"><li>• Keep hands and feet clear of connections.</li><li>• Do not place hands or feet between switch point and stock rail without first isolating the switch against remote operation.</li></ul>
82.10	<b>Switch Heaters</b>  Avoid contact with switch heaters or switch rails when heaters are operating.