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the hand brake is lever-type – ratchet the lever up and down). 4. When releasing wheel-type hand brakes, keep hands and fingers clear of the wheel. Always keep the correct body position: 1. Be alert while climbing up on a car, while operating the hand brake and while climbing down from the car. 2. Be aware of other equipment in the area that may cause

RAILWAY SAFETY PROGRAM: SAFETY HANDBOOK

102.4 Brakes Not Operating Properly 32 102.5 Sticking Brakes 32
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Air Brake & Train Handling - CMQ Railway

These generally involve connecting the air brake hoses, charging up the brake system, setting the brakes and manually inspecting the cars to ensure the brakes are applied, and then releasing the brakes and manually inspecting the cars to ensure the brakes are released.

Railway air brake - Wikipedia

30.2.6: Air Brake Tests Using Gauge or End-of-Train Device

30.2.6 49 CFR 232.205 Air Brake Tests Using Gauge or End-of-Train Device When required to determine brake pipe pressure at rear of train, any of the following devices may be used: To determine that the brakes apply and release on the rear car, the requirement is considered fulfilled

Air Brake and Train Handling Rules

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3.34 “running brake test” means a test of brakes performed on a moving train to ascertain that the brakes are operational and to confirm the operation of the dynamic brake prior to operating in territory set out in subsection 7.4 of these Rules. 3.35 “safety control” means a device(s) that will cause a brake application to be initiated

Railway Freight and Passenger Train Brake Inspection and ...

The Operating Practices Division examines railroad carrier operating rules, employee qualification guidelines, and carrier training and testing programs to determine compliance with the Railroad Safety Act of 1970; railroad occupational safety and health standards; the Hours of Service Act; and accident and personal injury reporting requirements.

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operating air brakes and train handling. Employees must know and obey these rules and instructions. Timetable and Special Instructions. Employees whose duties are affected by the timetable and special instructions must have a current copy they can refer to while on duty. Train Dispatchers and Control Operators.

UPRR - General Code of Operating Rules

During the normal operation of the brake system each port, passage, valve, etc. must direct air, allow air to move, vent, or cause another reaction. To understand the operation of each different valve, one must be able to read an air brake diagram. The first look at a control valve schematic diagram may be very intimidating.

Reading Air Brake Diagrams - Wabtec Corporation

This manual describes the organizations, processes, procedures,

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and systems involved in the rail operations across the military spectrum. The focus of this manual is for the reader to gain an...

ARMY RAIL OPERATIONS

The Manual of Standards and Recommended Practices of the Safety and Operations Department, ... •Section E—Brakes and Brake Equipment (300, 400, 3000, and 4000 Series) ... Part I—Railway Electronics Systems Architecture and Concepts of Operation (9000 Series)

Association of American Railroads

WESTERN PACIFIC RAILROAD MUSEUM . AIR BRAKE PRINCIPLES . AND . SPECIFIC EQUIPMENT . From Original Operating Department Training Manual - 1974 . Reprinted for use by Western Pacific Railroad Museum Operating Dept. 1-25-05 . Revised museum name 7-23-11

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AIR BRAKE PRINCIPLES AND SPECIFIC EQUIPMENT

The brake handle has two positions; OFF and SETUP, and an operating range of 1 through 8 (FULL), through which the handle moves freely without notching.

LOCOMOTIVE ENGINEER TRAINING HANDBOOK

Wabtec Corporation 30 Isabella Street Pittsburgh, PA 15212 -
USA Phone: 412-825-1000 Fax: 412-825-1019

Documents | Wabtec Corporation

A railway brake is a type of brake used on the cars of railway trains to enable deceleration, control acceleration or to keep them immobile when parked. While the basic principle is similar to that on road vehicle usage, operational features are more complex because of the need to control multiple linked carriages and to be effective on vehicles left without a prime mover. Clasp brakes are one type of brakes historically used on trains.

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Railway brake - Wikipedia

(a) The primary brake system of a train shall be capable of stopping the train with a service application from its maximum operating speed within the signal spacing existing on the track over which the train is operating. (b) If the integrity of the train line of a train brake system is broken, the train shall be stopped. If a train line uses other than solely pneumatic technology, the ...

49 CFR § 232.103 - General requirements for all train ...

53-4021.00 - Railroad Brake, Signal, and Switch Operators. Operate railroad track switches. Couple or uncouple rolling stock to make up or break up trains. Signal engineers by hand or flagging. May inspect couplings, air hoses, journal boxes, and hand brakes.

53-4021.00 - Railroad Brake, Signal, and Switch

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Operators

The operation of the brake on each vehicle is controlled by the "triple valve", so called because it originally comprised three valves - a "slide valve", incorporating a "graduating valve" and a "regulating valve".

Brakes | The Railway Technical Website | PRC Rail ...

(8) When the air valves and the electrical selector switch on the RCL are moved from manual to remote control mode or from remote control to manual mode, an emergency application of the locomotive and train brakes shall be initiated. (9) Operating control handles located in the RCL cab shall be removed, pinned in place, protected electronically ...

49 CFR § 229.15 - Remote control locomotives. | CFR | US ...

In addition, the first locomotives carried their own rudimentary

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system, which also sometimes forced a brakeman to climb atop the contraption and apply its brakes. When stopping a moving train the engineer would signal via the locomotive's whistle and brakemen would climb on each car's roof and manually apply its brake-wheel.

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