



TWO BELLS

The occasional newsletter of the
Operations Department of the
Pennsylvania Trolley Museum

August 2009

<http://ptmops.org>

Operations Schedule
Museum Calendar
Operating Policies & Procedures
Operating Orders
Operations Department Forms

Updated every Sunday!

For Sale Conductor Punches

Rick Hannegan, former PTM Operations Manager, has 10 to 15 conductor punches that he is willing to part with for the low fee of \$7.00 each. This is a great deal as the most recent bids on E-Bay are around \$10.00.

Contact Rick: ptm42@comcast.net

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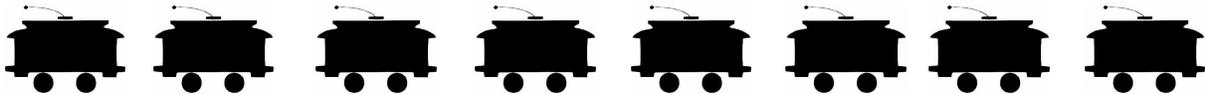
Scott Becker
Jim Herron
Ed Lybarger
Ray Mackenzie
Chris Walker
Wayne Young

Hand Controlled Cars

David Carpenter - Chief Instructor

Instructors have observed operators who are not running hand controlled cars in full series or full parallel. This is particularly evident when controlling speed on sections of the line where there are speed restrictions such as County Home Siding outbound. Operators should remember that quickly notching up to full series then notching off and coasting is the desired way to control speed on these sections of track. We should encourage coasting as much as possible.

The best way for the Instructor to get Operator attention is to observe them during a check ride and correct any deficiency by actually having the operator follow instructions regarding the proper operation of the controller. The use of the first and second notch on the controller is OK when rounding loops, operating in yard limits, and inching a car. However, operation of the car for long periods while not in full series or full parallel overheats the resister grids and is wasteful of electric power.



From Horsecars to Hybrids

The Pennsylvania Trolley Museum is proud to announce a special event celebrating 150 years of Pittsburgh transit beginning on Thursday August 6th through Sunday, August 9th from 10 a.m. to 5 p.m. daily. Visitors will start the tour with a streetcar ride to our Trolley Display Building. All tours begin 15 minutes past the hours starting at 10:15. The last tour will depart at 4:15.

Bring your friends and family out to show off your museum. All trips during this event include a tour of Pittsburgh Trolleys in the Trolley Display building. http://ptmops.org/ptmops_005.htm

Philadelphia Suburban 66

In order to reduce the wear and tear on the center door and step mechanisms for Car 66, the center doors should no longer be opened or closed manually. The following procedures should be followed:

When Setting Up the Car for Operations

1. Enter through the door at the motorman's cab that is facing outward. This door can be opened manually if there is no air in the tank or by using the linkage under the left side of the door if there is air in the tank.
2. Start the compressor.
3. Open or close center doors as necessary using the door controls.

When Setting Up the Car for Display

1. Enter through the door at the motorman's cab that is facing outward. This door can be opened manually if there is no air in the tank or by using the linkage under the left side of the door if there is air in the tank.
2. Start the compressor.
3. Open the center doors using the door controls.
4. Close the motorman's cab door using the door control in the cab.
5. Shut off the compressor.

When Shutting Down the Car After Operations or Display

1. Start the compressor (if not already running).
2. Close the center doors using the door controls.
3. Shut off the compressor.
4. Exit via the door at the motorman's cab that is facing outward. Shut this door by using the linkage under the left side of the door.

NOTE:

Only 30-40 pounds of air pressure is needed to operate the doors.

Fair Week and Crossing Main Street

A Nachod based system to turn the Main Street crossing signals on and off is now in operation. The crossing signals are turned on and off by the trolley pole passing a contactor. A car outbound from Richfol to Fairgrounds will turn the crossing signals on when crossing the contactor that is located just beyond the sidewalk at the outbound end of the Richfol platform. When passing this point, look for the LUNAR WHITE crossing signal indicator near the crossing to go on and the signals to be flashing. A outbound car will turn the crossing signals off when crossing the contactor located on the outbound side of Main Street.

A car inbound from Fairgrounds to Richfol will turn the crossing signals on when crossing the contactor that is located at the inbound Nachod signal between Fairgrounds and Main Street. When passing this point, look for the LUNAR WHITE crossing signal indicator near the crossing to go on and the signals to be flashing. A car inbound will turn the crossing signals off when crossing the contactor located on the inbound side of Main Street.

NOTE THIS SECTION FOR EVENING OPERATION

This paragraph applies to operating two or more cars in the same direction.

A second outbound car CANNOT LEAVE RICHFOL PLATFORM until the preceding car has passed through Main Street and the crossing lights have turned off.

A second inbound car CANNOT PASS BEYOND THE INBOUND NACHOD SIGNAL (between Fairgrounds platform and Main Street) until the preceding car has passed through Main Street and the crossing lights have turned off.

When short turning a car on the inbound side of Fairgrounds platform, DO NOT PROCEED PAST THE INBOUND NACHOD SIGNAL (between Fairgrounds platform and Main Street); otherwise the car will turn on the crossing signals. If the signals are turned on, the car must proceed through Main Street to Richfol platform before the car can be reversed and returned to Fairgrounds platform.

If a car leaves Richfol and turns on the signals, this car must proceed through Main Street and past the inbound Nachod signal before this car can be reversed and returned to Richfol.

The mechanism does not count cars. A car crossing the ON contactor turns the signals on and a car crossing the OFF contactor turns the signals off without regard to whether or not there is a following car.



ABC

Always Be Careful

