RL Mileage Inspection #1 & #2 (1500, 1600,1700)

4.26 Propulsion and Door Interlock Test

This propulsion and door safety interlock test will verify that the propulsion system is functional, and that the consist cannot be driven or while the Passenger Side Doors are open.

Setup:

1. Deuce on a track where it can safely be driven a short distance forwards and backwards.
2. 600 volts available to the consist.
3. Verify that all systems check out normal, especially doors, propulsion, and braking systems.
4. Verify all switches on each cab's Sealed Switch Panel are in the normal position.
5. Both Door Setup Switches (DSS) set to OFF.
6. Release all handbrakes on the consist.

Test (T):

1. Key up at one Cab and select direction, verify door automatics indicator buzzes when pressed. If not, check door and coupler configuration. Resolve any issues before continuing.
2. Set DSS to ON
3. Put the Cineston into Max Brake, get 10 code with D-key, verify the Brake Pipe Charges to 110 PSI and Brake Cylinders drop down from Emergency to Service Brake pressure.
4. Verify area in front of vehicle is clear, and lightly sound horn four times.
5. Drive the train forward a short distance to verify that brakes release and propulsion functions normally.
6. Verify area behind vehicle is clear and sound the horn lightly three times.
7. Drive the vehicle backward the same distance, verify brakes release and propulsion functions normally.
8. Move Cineston back to Max Brake position.
9. Use the Door Control Panel to open the side passenger doors.
10. Verify that door automatics indicator does not buzz when pressed.
11. Verify areas in front of Cab are clear, and lightly sound horn once.
12. Attempt to drive the train forward with doors open, Caution brakes do release, verify propulsion does not function.
13. Move Cineston to OFF position.
14. Close doors, set DSS to OFF.
15. Repeat above steps 1 – 14 to test the other Cab in the Deuce.
16. After both Cabs have been checked close side passenger doors, normalize train for service.

RL Mileage Inspection #3 Cars (1800)

6.6.1 Propulsion and Door Interlock Test

This propulsion and door safety interlock test will verify that the propulsion system is functional, and that the consist cannot be driven or release its brakes while the Passenger Side Doors are open.

Setup:

1. Married Pair on a track where it can safely be driven a short distance forwards and backwards.
2. 600 volts available to the consist.
3. Verify that all systems check out normal via the Monitoring Terminal Unit (MTU), especially doors, propulsion, and braking systems.
4. Verify all switches on each cab's Sealed Switch Panel are in the normal position.
5. Both Door Setup Switches (DSS) set to OFF.
6. Release all handbrakes on the consist.

Test (T):

1. Key up at one Cab, verify green "DOORS CLOSED" indicator is lit. If not, check door and coupler configuration. Resolve any issues before continuing.
2. Set DSS to ON
3. Put the Master Controller into Full Service Brake (FSB), verify the Brake Pipe Charges to 110 PSI and Brake Cylinders drop down from Emergency to Service Brake pressure.
4. Give a ten code
5. Verify area in front of vehicle is clear, and sound horn four times.
6. Drive the train forward a short distance to verify that brakes release and propulsion functions normally.
7. Give a ten code
8. Verify area behind vehicle is clear and sound the horn lightly three times.
9. Drive the vehicle backward the same distance, verify brakes release and propulsion functions normally.
10. Move Master Controller back to FSB position.
11. Give a ten code
12. Use the Door Control Panel to open the side passenger doors.
13. Verify areas in front of Cab are clear, and lightly sound horn four times.
14. Attempt to drive the train forward with doors open, verify that green "DOORS CLOSED" indicator is not lit, brakes do not release, and propulsion does not function.
15. Move Master Controller to OFF position.
16. Close doors, set DSS to OFF.
17. Repeat above steps 1 – 14 to test the other Cab in the Married Pair.

After both Cabs have been checked close side passenger doors, verify that there are no errors on the MTU. Normalize train for service.