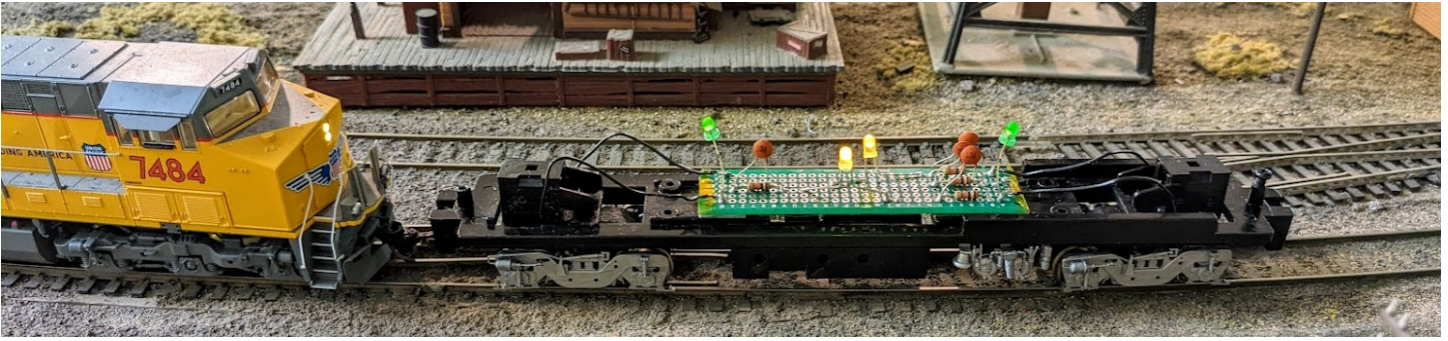


Randall DCC Dead-Spot Detection Car

2022-05

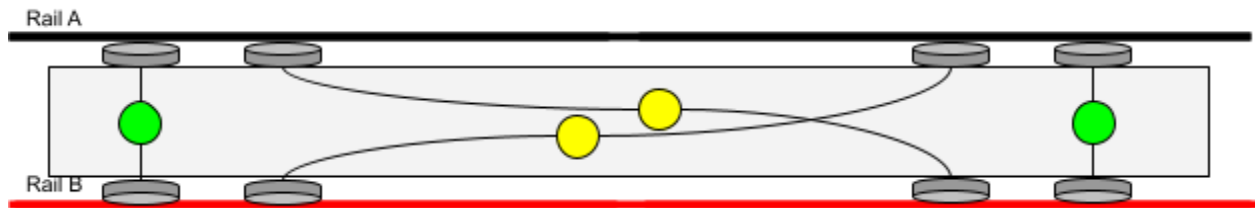


The *experimental* dead-spot detection car pushed by UP 7484.

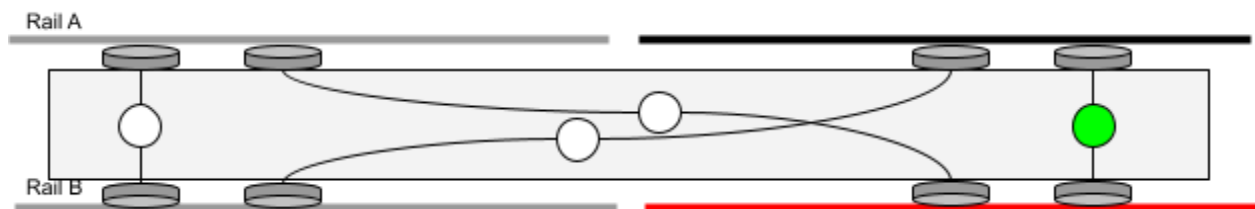
How it works:

- Green LEDs detect **power between both rails** on either the front or the rear truck.
- Yellow LEDs detect **power in diagonal between rails/trucks** (from one side of a truck to the opposite side of the other truck).

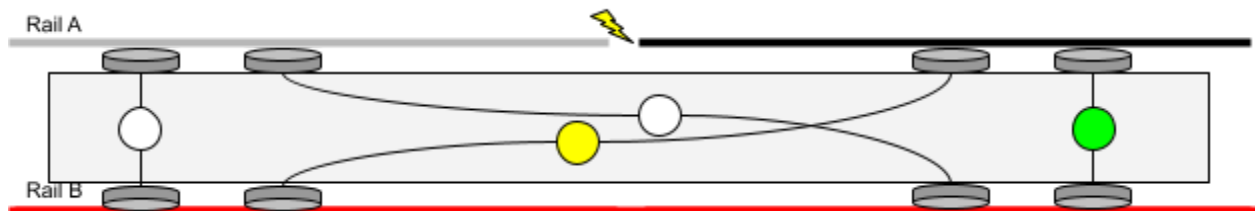
Examples:



Normal Configuration. All LEDs are ON.



Blocks Junction with one block unpowered. Both YELLOW LEDs are OFF.
The GREEN LED that is OFF indicates which block lacks power.



Broken Rail on a *single* side.
The YELLOW LED that is OFF indicates which side lacks power.

Known Issue: LEDs flicker when the car is moved due to poor power pickup in the trucks.
Important: Only use on a DCC circuit. Do not use on DC-powered layouts.