

## Reversing Track with a Turnaround Loop.

Train goes around the loop a different direction each time.

Decelerate and Pause



Accelerate



Track connections must be **EXACTLY** as shown. A mis-wire could cause a short circuit.

### Notes:

- Program StationMaster for blink 1. (Reversing mode)
- Mount magnet on engine to trigger sensors.
- Center section and loop can be as long as desired.

### Wire Connections:

YardMaster pin 3 connects to main line (straight track) upper rail.

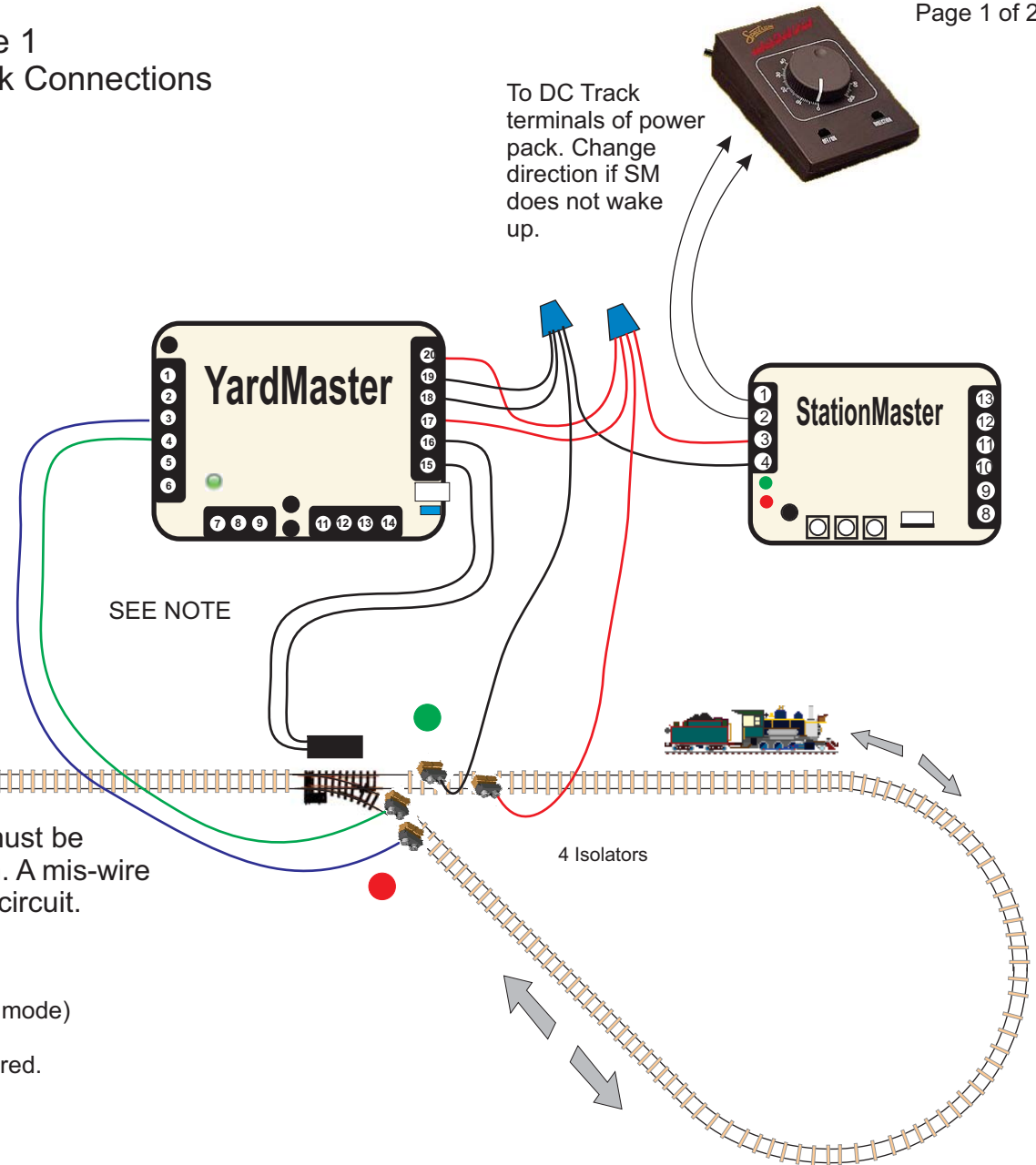
YardMaster pin 4 connects to main line (straight track) lower rail.

YardMaster pin 15 and 16 connect to the switch motor. Reverse these wires if needed. (See next page)

YardMaster pin 17 connects to YardMaster pin 20, StationMaster pin 3, and inside rail of isolated loop.

YardMaster pin 18 connects to YardMaster pin 19, StationMaster pin 4, and outside rail of isolated loop.

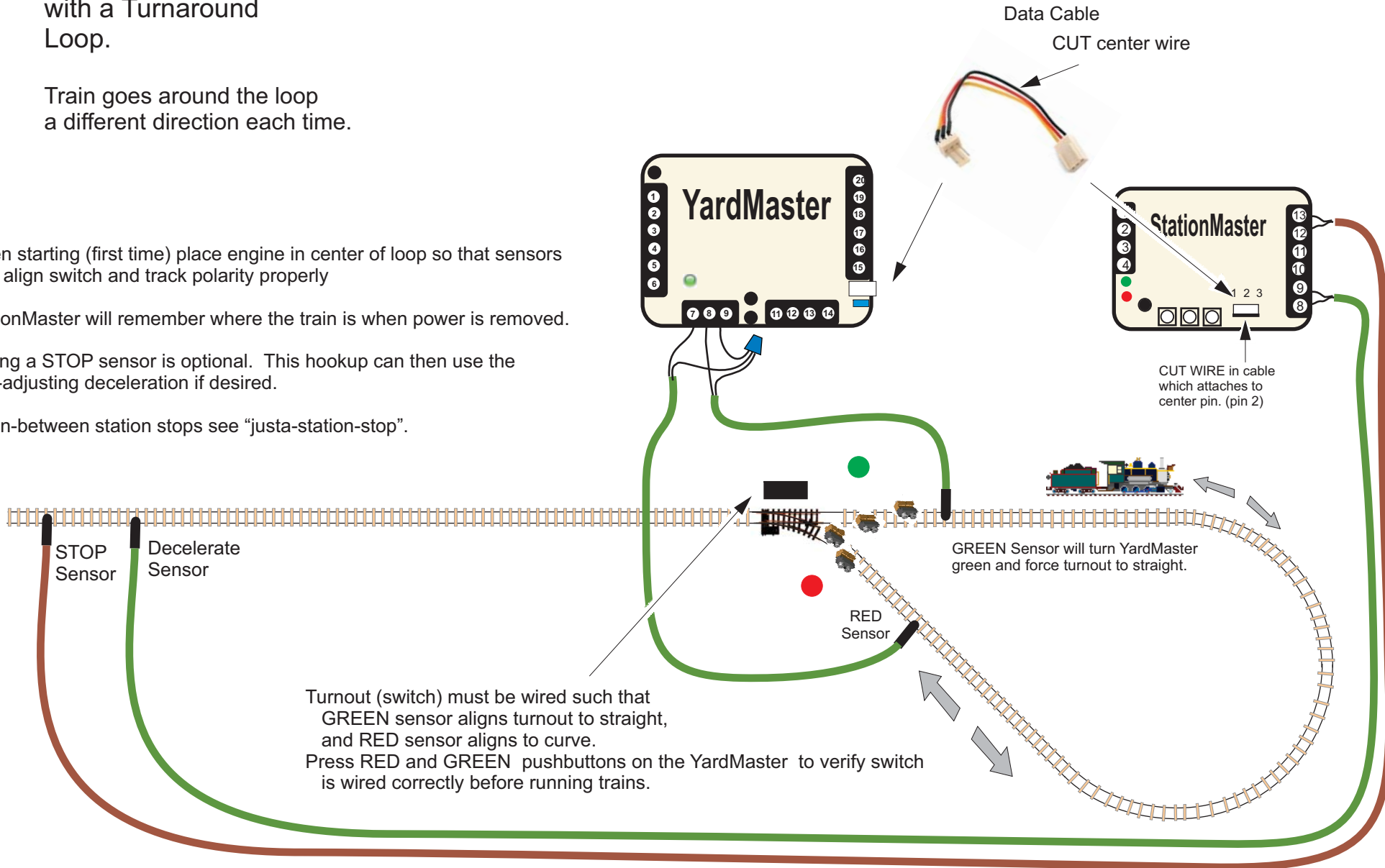
StationMaster pins 1 and 2 connect to the transformer DC connections. Reverse the direction if the StationMaster does not light up.



## Reversing Track with a Turnaround Loop.

Train goes around the loop a different direction each time.

- When starting (first time) place engine in center of loop so that sensors will align switch and track polarity properly
- StationMaster will remember where the train is when power is removed.
- Adding a STOP sensor is optional. This hookup can then use the self-adjusting deceleration if desired.
- For in-between station stops see "justa-station-stop".



### How it works:

The StationMaster is hard-wired to the isolated loop section. As the train goes around the loop it will go over the GREEN and RED sensors which will FORCE the YardMaster to align the turnout to accept the approaching train AND ALSO reverse the polarity of the straight section. After the train stops and reverses it will go back the same way it came out and eventually run over the GREEN or RED sensor again which will reverse the polarity of the center section.

NOTICE that the center wire of the data cable between the SM and YM must be cut. This cable will then only provide power to the YardMaster.