


Local Bahn Shunting Puzzle



**European
Train
Enthusiasts**



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About Shunting

- At times during local railroad operations, the train engineers are required to sort their cars in a particular order (known as stacking) in preparation for leaving the station or yard.
- Passenger cars are usually not directly behind steam locomotives to avoid paying passengers the discomfort of the locomotive's smoke and soot.

Limited Space

- Many times the engineers and shunting crews were required to make the changes in crowded train yards or on sidings and branch lines that gave them very little operating track.



Our Local Bahn

- Our local Bahn consists of the main line at the Surava Station, a passing siding, and a connecting branch line.



Main Line

Passing Siding

Branch Line

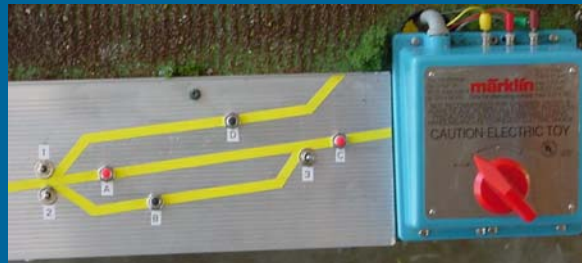
Your Challenge

- Organize a train of selected cars.
- In the correct stacking order.
- Using limited track length, siding and uncoupling stations.



Operations

- Before we start the puzzle, let's review how to operate this local bahn.
- Below is the control panel.



Locomotive Operations

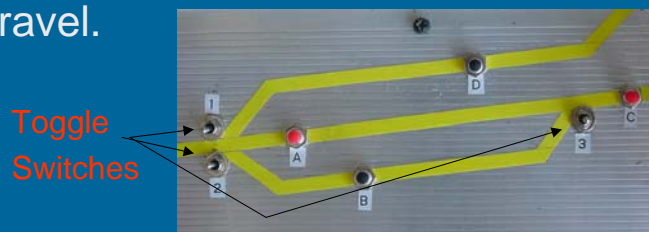
To move the locomotive, slowly turn the transformer knob to the right. To change the locomotive's direction of travel, turn the knob momentarily to the left past the "O" point then to the right again.

Remember you are in the station area so proceed slowly, a little power goes along way.



Switch Point Operations

To operate the switch points, use the toggle that corresponds to the point you wish to change. Push the toggle in the direction you wish the train to travel.



Switching Operations

It is important that no part of the train is on the points when switching. If any locomotive or cars are on the points they may not change. Moving the train across incorrectly set point may cause the train to derail.

Coupling Operations

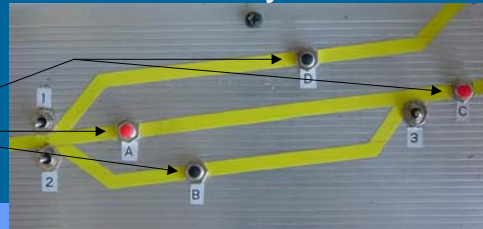
Coupling is automatic. Moving the locomotive or pushing a car into a stationary car will cause that car to be coupled.



Uncoupling Operations

Cars may be uncoupled over any of the uncouplers. Halt the train with the coupling to be opened over the uncoupler and push the lettered uncoupler button. The car may be left by driving the locomotive away.

Uncoupler Buttons



The Puzzle

- This shunting puzzle has multiple levels of difficulty.
- The train will start in the same position for each level, but your final stacking of the cars will be different.
- The levels will increase in their difficulty based on the complexity of the stacking orders.



The Puzzle

- The train pulls into the station with 3 cars.
- It plans to depart in the opposite direction as soon as possible.
- You are the head of the shunting crew.
- You receive your orders depending on your selected level...



Orders – Level 1

- “Form a departing train with the cars in the following order:”
 - Locomotive at the head
 - Cars #2 - Passenger cars
 - Car #1 - Baggage/mail car



Orders – Level 2

- “Form a departing train with the cars in the following order:”
 - Locomotive at the head
 - Car #1 - Baggage/mail car
 - Cars #2 - Passenger cars



Orders – Level 3

- “Form a departing train with the cars in the following order:”
 - Locomotive at the head
 - Car #1 - Baggage/mail car
 - Cars #2 - Passenger cars
 - Car #3 - Train Fan car



Lets Get Started

- We learned a little about shunting, covered the track layout of our local bahn, reviewed the control panel, and saw the different level of orders.
- Your train is approaching the station. It's time for you to receive your stacking orders and go to work and solve the puzzle.

Good Luck and Have Fun

Thanks for Trying the
Local Bahn Shunting Puzzle



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