

MAC-203

Operating Flip Type Derail
“The Scotty”

MACRAIL
Distinctive details that enhance your modeling



Thank you purchasing our MAC-203 Operating Flip Type Derail “The Scotty”. This part was detail was originally designed and offered by Scott Thornton of Scotty’s Model Shop. We are proud to have acquired and continued offering this item in our Right of Way product line category.

Our model brings to your layout the ability to have a manually operated derail to protect industry sidings and auxiliary tracks from railcar movement. The derails when closed will derail a railcar. The model comes fully assembled ready to paint and final install on your model railroad. In addition to (2) models coming in the kit, (2) sheets of numerous derail sign style decals are included to finish your scene.

- Derail above shown installed and painted as demo model. Other parts and models not included.

STEP 1 – OPENING YOUR KIT

When opening your kit, you will find the following parts:

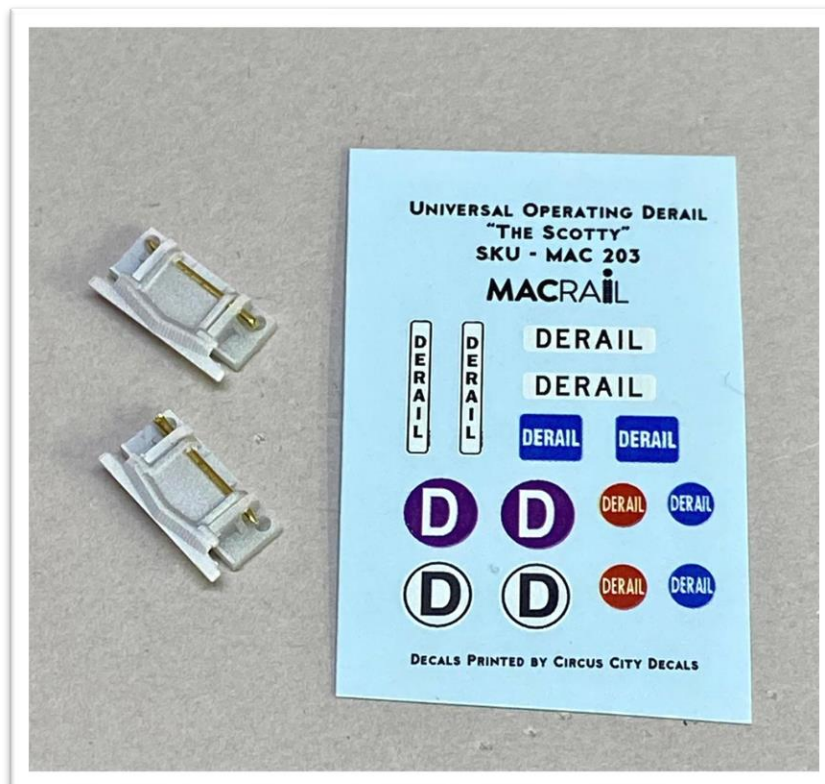
(2) 3D printed flip style derails (assembled with brass rod hinge installed)

(2) Custom derail sign sheets

If you are missing anything or mess up something– please send an email to macrailllc@gmail.com

TOOLS FOR INSTALL (Does not include weathering items).

- Safety glasses
- Glue (CA Gel Type & Glue Stick)
- CA Accelerator (Recommended)
- Hobby Knife / Tweezers
- Sand Paper / Mask
- Toothpick



STEP 2 – PAINTING YOUR DERAIL

Before installing your derail it is recommended to paint off-layout. The parts come in primer white to help with less coats of the lighter color paints most notably found on derails (yellow, green, orange).

Photos of completed model (green) on Greg McComas' Michigan Interstate St. Clair Subdivision layout. Greg used Tamiya green spray can which comes in a fine mist. Apply in brief / light coats to ensure the part flip part does not get stuck.



STEP 3 – FITTING / INSTALL

Once dry, take the derail to your layout and test fit where the part will go. As printed the derail is ready for Code 83 / 100 track height with minimal sanding on the bottom of the “foot” The foot should have minimal paint on it for best adhesion when gluing down.

If using on Code 70, more sanding / test fitting will be required to ensure proper clearance on rail and with equipment (aka low coupler trip pins / sagging snowplows).

Once satisfied with fit in the closed and open position, glue into place with your choice to adhesive. CA, canopy glue, or white glue all work. Once glued and set in place allow to dry before attempting to operate.



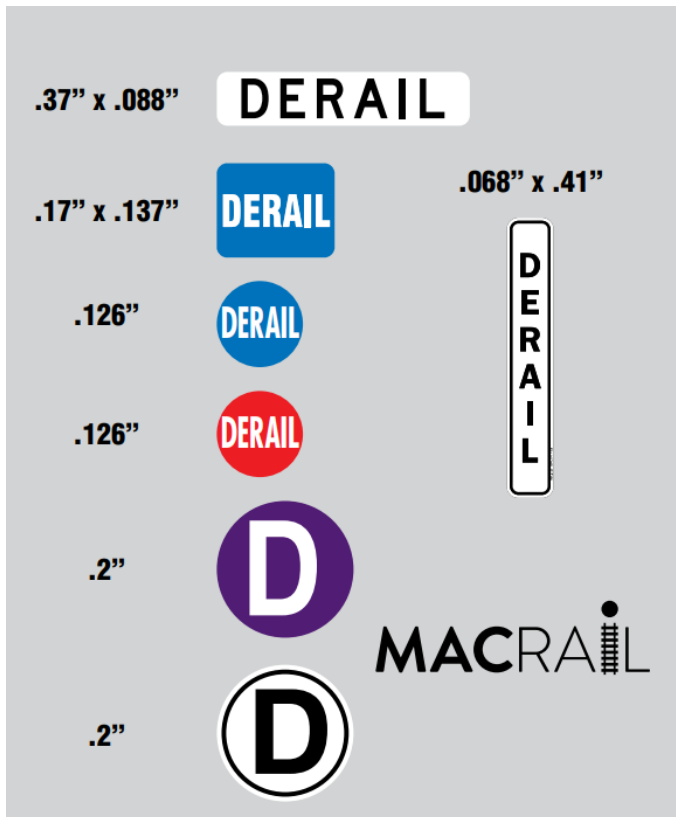
STEP 4 – TESTING OUT DERAIL

Once dry, with derail closed roll a railcar through derail, if installed properly the railcar should pop off to the outside of the rail.



STEP 5 – DECALS & OPERATING LONGEVITY

Each kit contains (2) sets of Derail decals which can be used to make signs for placement adjacent to the derail. The styles cover a broad time frame and range of versions found throughout North America. Decals are a water slide from Circus City Decals & Graphics. Sizes for the signs are provided below for making your own sign plates.



OPERATING LONGEVITY

To help with longevity of part, we recommend using an uncoupler pick or a device to gently flip "out" or "in" the top hinged.

Thank you for again for your purchase and we hope you enjoy adding this unique detail to your model railroad operations.

Any questions or issues, please let us know at macrailllc@gmail.com