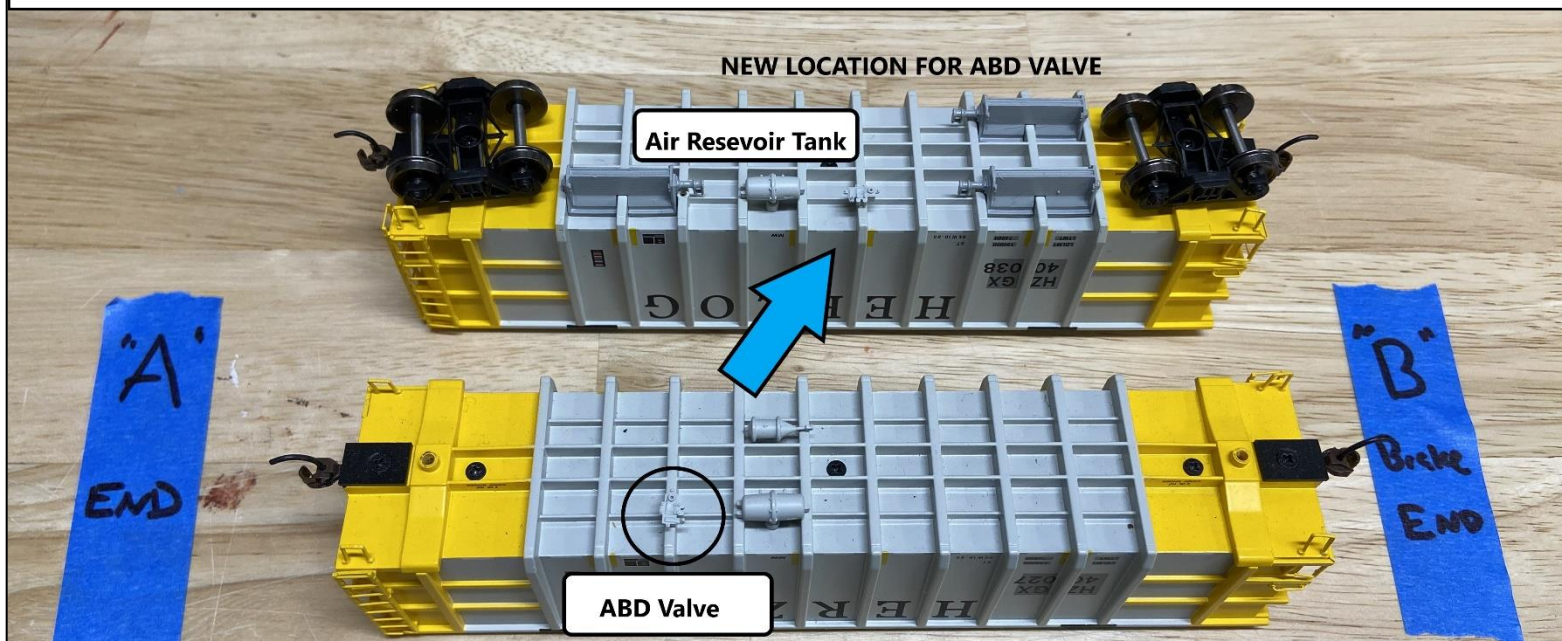


MAC-822

"No Cut" Ballast Door
INSTRUCTIONS

MAC Rail LLC
Model Train Products & Services



Ballast Door Instructions

1. -Turn car upside down on work surface.
 - "B" Brake end should be to your right.
2. Remove ABD value from factory mounted location
 - Located on (Third) rib from left
3. Turn value 90 degrees clockwise so it runs with length of railcar.
4. Install valve on (Sixth) rib from left, the valve should be in line with the Air Reservoir tank
5. Valve has molded on pin, this can be cutoff and valve glued directly to rib or new whole drilled and pin inserted.
6. Before installing ballast doors, place on hard flat surface and sand the bottom to ensure level install.
7. All four doors are identical and can fit any of the four spots. The groves in the doors line up with the thick and thin ribs on the underside of the car. Doors are located between (First and Third) from left and between (Eighth and Tenth) from left. Please see photo of upper car for placement visual.
8. Secure using preferred glue, CA gel works very well with these prints.
9. Doors come in red primer which is a very close match to the brown of the Herzog ballast hopper. As painted the doors are ready to receive final weathering to blend doors in with railcar.

Thank you for your purchase.