

# ARISTO-CRAFT

# 2-8-2 Mikado Slope Back Tender

## ARISTO-CRAFT 2-4-2 ROGERS LOCO (REAR ONLY) & SLOPE BACK TENDERS #21900 SERIES FRONT AND REAR OF TENDER

### REAR OF LOCOMOTIVE TRUCK MOUNT: #831 "G" scale #1831 #1 scale coupler.

Remove the original coupler. Drill out mounting hole with a 3/32" drill. Position the #831 coupler and if it's too tight file the insides of the gear box shank evenly on both sides. Use a #4 x 3/8" screw to secure the coupler.

SLOPE BACK TENDER is similar to above mount. The gear box will hit the stepboard. Notch out section of stepboard or loosen the two screws holding the stepboard and shim it down to clear coupler.

SLOPE BACK TENDER BODY MOUNT: #831 "G" scale #820 #1 scale coupler.

A shim is required to mount the #820 coupler 3/8" thick 7/8" long and 3/4" wide.

Rear: Remove the truck and then the draw bar secured by three screws. The stepboard must be cut in the center for coupler clearance. Leave the stepboard extended a little (.10") beyond the angle iron brackets so it matches the outside. Position the shim so it lays behind the stepboard cross member and position the draft gear box on the shim along the centerline. Mark the hole locations on the shim and remove. Drill and tap the front hole for a 2-56 screw and drill a 2-56 clearance hole in the rear location. Now drill a 2-56 clearance hole between the two holes in the shim and countersink it so the head of a screw (flathead or panhead) is below the shim surface. Reposition the shim and mark the center and rear holes location onto the underbody. Drill and tap both holes for 2-56 screws.

Position and secure the shim to the underbody using the center hole. Place the coupler onto the shim and secure it with screws of appropriate length.

Front of Tender: Use a #835 coupler. There are some modelers than wish to have a coupler between the tender and locomotive. Trim the square post down to the level of the end sill. Drill (#43 drill) the hole for a #4 screw. Assemble the coupler and secure it to the trimmed post with a #4 screw in the rear hole of the draft gear box. If needed, to lower the coupler use a shim and to raise it trim the end sill and post a little at a time to achieve the correct coupler height.

Replace the truck and stepboard.

Check the coupler for the correct height and function and make any necessary changes.

Note: Using the "G" scale coupler will require you to notch the sides of the draft gear box for the wheel clearance.