

MANTUA

4-6-4 HUDSON

#31 PILOT, #38 TENDER COUPLER CONVERSION

1. Remove existing couplers. For easy access, remove pilot wheels and pilot.
2. For pilot: Make a coupler mounting platform from .060" thick x 7/16" x 35/64" plastic. Fit to back of pocket, file grooves to fit around slanting braces. Be sure platform clears pilot mounting screw head. Glue platform in place with a plastic compatible cement.
3. For more coupler swing, file pocket opening wider, leaving a thin lip on sides. Do not remove material from top of coupler opening. Mounting platform should be flush with top of pilot coupler pocket opening. Trim Rear vertical braces to fit #31 Gear Box as close as possible.
4. Assemble the Torsion Spring half of the Gear Box per instructions. Place Lid on the platform behind the pocket opening (1), slip #31 Coupler through opening (2), place the Gear Box over Coupler (3), be sure Lid is seated properly. Push assembly up against back of the pilot, making sure the Coupler swings and functions properly. Mark the hole and drill and tap for 2-56 threads. Secure Coupler with a 2-56 screw. See Fig.1.
5. For tender: Assemble #38 Coupler with Torsion Spring on bottom, Coupler on top. Secure Coupler to tender with a 0-48 x 1/4" long self-tapping screw and washer.
6. Check for correct coupler height, function, and clearance and make any adjustments necessary.

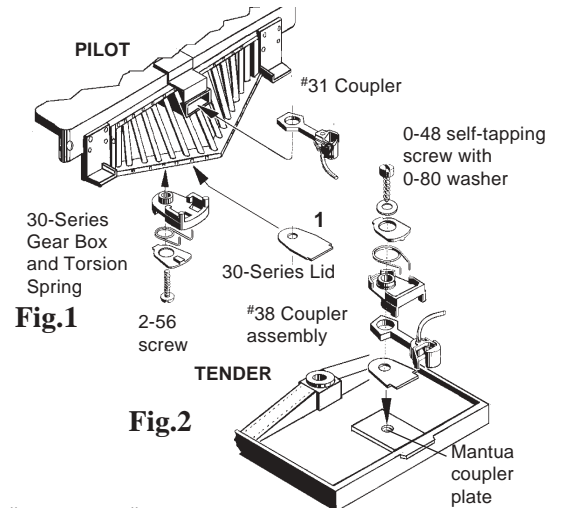


Fig.1

Fig.2

#31 Pilot, #38 Tender Installation