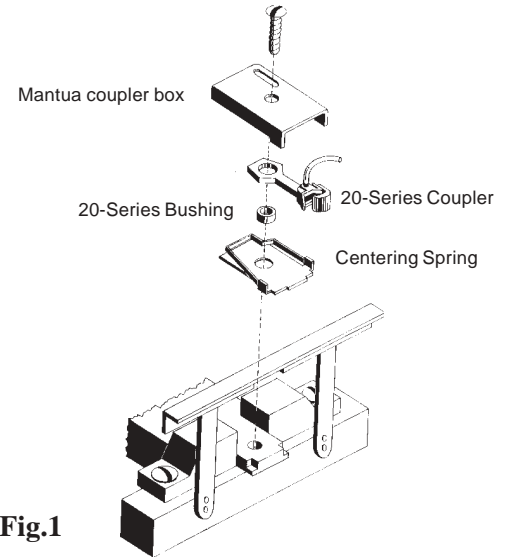


# MANTUA

# 2-6-6-2 MALLET

## #22 PILOT AND #28 REAR COUPLER CONVERSION, TANK LOCOMOTIVE VERSION: #22 PILOT, #28 REAR

1. For pilot: Remove screw on top of pilot holding existing coupler and remove coupler.
2. File the pilot opening equally at the top and the bottom of the box to accommodate centering spring, coupler and shim. Make shim from the enclosed Draft Gear Box or use Kadee® #211 (.010") Styrene Draft Gear Shims. This allows enough clearance for the coupler to swing freely.
3. Assemble the Coupler, Centering Spring and bushing together, placing the altered shim, sandwich style, with the Coupler inbetween using tweezers to hold the assembly together. Be careful to make sure all holes line up, then slip it into the opening of the pilot, again aligning the holes with the screw hole in the pilot and insert the screw.
4. For the rear: Remove the screw holding the existing coupler and the box, discard the coupler. Break off the small tabs on the front of the box.
5. Assemble the spring, coupler bushing, coupler box and screw and check for freedom of movement. If necessary, adjust for height.
6. Check for correct coupler height, function, and clearance and make any adjustments necessary.



**Fig.1**

**#22 Pilot, #28 Rear Installation**