

#37 PILOT, No.5® REAR COUPLER CONVERSION

1. Remove existing couplers.
2. For the front (pilot) coupler, enlarge existing coupler pocket to fit a #37 Draft Gear Box. See Fig. 1. Remove equal amounts from each side, being sure enlarged pocket is centered along frame axis. The pocket should be enlarged to 5/16" wide. Do not remove any part of the top of the coupler pocket.
3. Assemble the #37 Coupler with the coupler on top and Torsion Spring on bottom. Glue the Draft Gear Box and lid together with a small amount of plastic compatible cement placed along seams only.
4. After glue has dried, install coupler from below and secure with a 2-56 screw of appropriate length.
5. For the rear coupler, make a plastic bottom support plate, 1/16" thick by 1/2" wide by 3/8" long. Secure with CA glue.
6. Make a coupler mounting platform from 1/16" thick styrene 1/4" wide by 5/8" long. Fit between frame and glue to bottom support plate with a plastic compatible cement. After cement has dried, drill and tap a 2-56 hole through both pieces on loco centerline 1/4" from end of pocket. See Fig. 2.
7. Assemble No.5® Coupler with the Centering Spring on top and place on modified lid, with side mounting lugs cut off, over centerpost, as shown in Fig. 5. Place assembly from the top on coupler mounting platform, align holes and secure with 2-56 screw inserted from the top and a 2-56 nut from below.
8. Check for correct coupler height, function, and clearance and make any adjustments necessary.

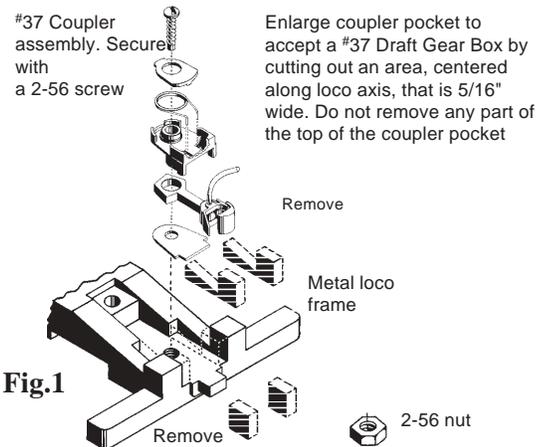


Fig.1

#37 Pilot Installation

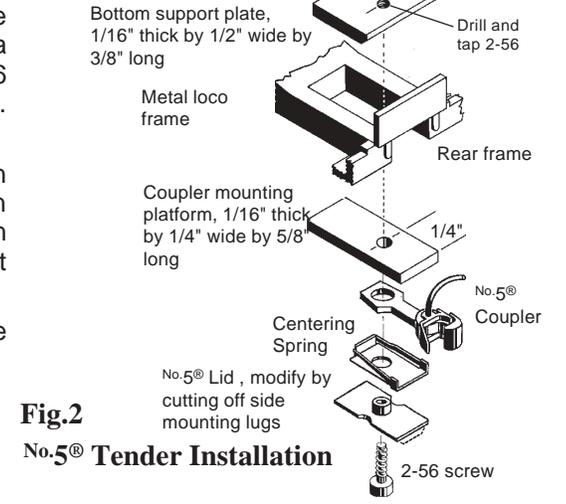


Fig.2

No.5® Tender Installation