

PMI LIMA

2-8-2 MIKADO

#38 PILOT, #27 TENDER COUPLER CONVERSION

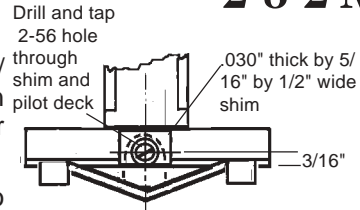
1. For the pilot: Remove pilot truck, do not lose parts. Cut a .030" thick shim to 5/16" deep by 1/2" wide. Glue in place with a plastic compatible cement on underside of pilot deck flush to inside front edge. See Fig.1. Widen coupler opening to 5/16" wide by 9/64" high from top underside of shim / pilot deck.

2. After glue has dried, drill and tap a 2-56 hole through shim and deck on loco centerline and 3/16" from front edge of pilot. Assemble the #38 Coupler with Torsion Spring on bottom and Coupler on top. Insert coupler assembly from the front and secure with a 2-56 screw from below. Trim screw flush with pilot deck. See Fig. 2.

3. For tender: Turn the tender upside down. Pry the plate holding the coupler one way either forward or backwards and up at the same time. Remove the coupler and clean any plastic flashing which might be around the front opening of the box.

4. Carefully slip the 20-Series Centering Spring in and over the coupler pocket boss. Insert the coupler into spring and over boss. Press the coupler cover plate back into the box with the rounded edges towards the coupler. It should snap in place. Make sure the coupler is not in a bind and moves freely. See Fig.3.

5. Check for correct coupler height, function, and clearance and make any adjustments necessary.



PILOT VIEW FROM BELOW

Fig.1

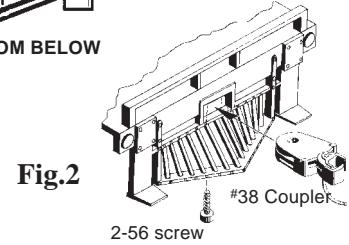


Fig.2

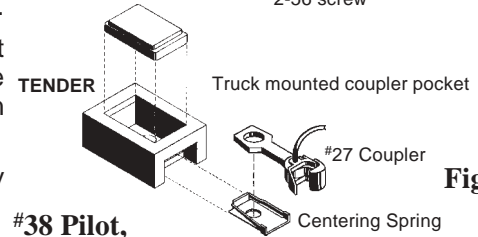


Fig.3

#38 Pilot,
#27 Tender Installation