

IHC MEHANO-SLOVENIA

2-8-0 CONSOLIDATION

#39 PILOT AND No.5® TENDER COUPLER CONVERSION

1. For the pilot: Remove connecting coupler pin and coupler. Remove pilot wheels. Do not lose the screw and spring.
2. Cut off coupler spring stop (behind the coupler pocket). Carefully trim .015" from the back of the coupler pocket. Make sure back surface is smooth and even all the way across and down to the platform. See Fig.1.
3. Make a .275" x .175" x .040" thick shim. Place shim between loco frame rails and against the mounting platform. Cement in place with a solvent cement for plastics. See Fig.1.
4. Assemble the spring side of the #39 Draft Gear Box (do not assemble coupler and lid yet). File front of box flat until box is .345" long without breaking through the front cross bars. Trim lid to match.
5. Test fit by putting the lid on the platform, slipping the coupler through the opening and placing the gear box over the shank. Move coupler back and forth checking function and clearance and height. Make necessary adjustments. Gear box should sit level and be flush against back of the pocket. Mark hole location on seam of shim and platform. Remove coupler assembly and carefully drill and tap a 2-56 hole.
6. Reassemble coupler as before and secure to platform with a plastic 2-56 screw. Trim screw flush with top of platform. Check again for correct height, function and clearance. Make necessary adjustments.
7. Reassemble pilot wheels and check for clearance.
8. For tender: Remove IHC draft gear box assembly. Save screw, lid and box. Discard existing coupler.
9. Place the No.5® spring and coupler on the post of the IHC lid and reassemble the box. See Fig.2. Be sure Centering Spring is not caught between lid and box.
10. Secure assembly to tender coupler mounting pad with IHC screw.
11. Check for correct coupler height, function, and clearance and make any adjustments necessary.

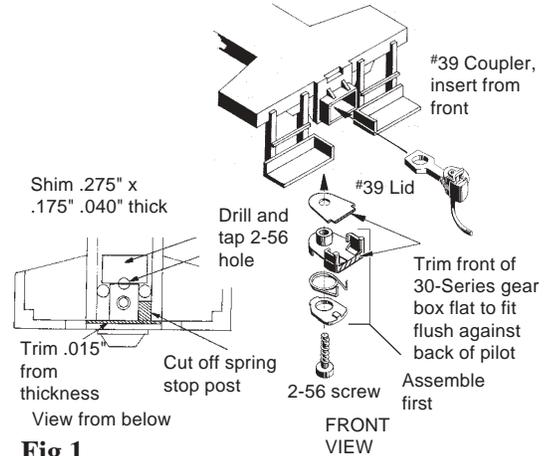


Fig.1
#39 Pilot Installation

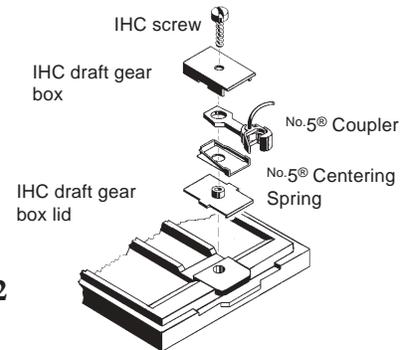


Fig.2
No.5® Tender Installation