

AHM (RIVAROSSİ)

2-10-2 SANTA FE CLASS

#38 PILOT AND TENDER COUPLER CONVERSION

1. Cut away entire cast-on coupler mounting assembly flush with underside of triangular rear tender platform. File smooth and flat.
2. Cut a .060" thick shim to 5/16" wide by 3/8" long and glue in place exactly on centerline of tender, flush with the outside face of coupler pocket.
3. Drill and tap a hole for 2-56 threads on centerline of tender and 15/64" from end of coupler pocket, see Fig.1.
4. Install and secure a #38 Coupler with spring on top and coupler on bottom, as shown in Fig.1, using a 2-56 x 1/4" screw. Do not over tighten. See paragraph 7 and 8 on page 28.
5. For the pilot you will have to first remove the coupler lift bar assembly. The center pin also holds the dummy coupler in place. Remove and discard dummy coupler.
6. Cut away the part of the coupler pocket that is between the top of the cowcatcher and the bottom of the pilot beam, see Fig.2. Evenly trim both sides of the coupler pocket until you have a centered opening wide enough to slip the 30-Series Draft Gear Box in. The underside of the top of the coupler pocket should be flush with the underside of the pilot beam.
7. Assemble #38 Coupler with coupler on top, Torsion Spring on bottom. Slide the Draft Gear Box Assembly in place, centered and with the front flush with top of pocket lip. Reattach coupler lift bar assembly, being sure the center pin also goes through 30-Series box mounting hole. Be sure assembly is centered, then glue in place.
8. Check for correct coupler height, function, and clearance and make any adjustments necessary.

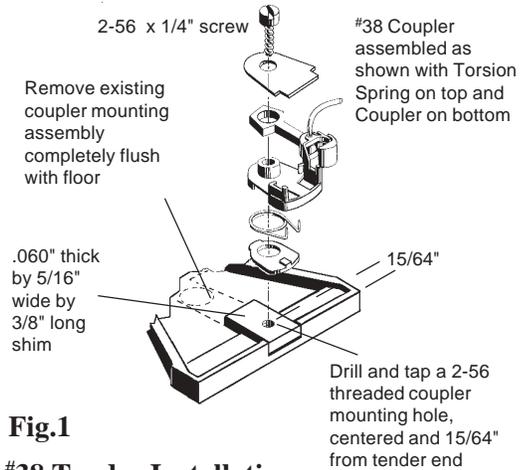


Fig.1

#38 Tender Installation

Remove complete coupler lift bar assembly, center pin holding in dummy coupler, and remove dummy coupler

Assemble a #38 Coupler as shown here. Slide assembly into coupler pocket and secure with coupler lift bar center pin and glue in place

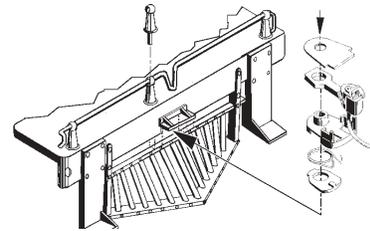


Fig.2

#38 Pilot Installation