

# AHM (RIVAROSSO)

## #34 (PILOT) AND #31 (REAR) COUPLER CONVERSION

1. Disassemble loco by unscrewing long front screw, located under loco at centerline of frame and cylinders, to free frame from body. Unscrew the two motor mounting short screws, located just behind back drivers, from frame so existing couplers can be removed.

2. To mount pilot coupler, you will need to modify loco coupler pocket opening slightly to fit the width of the 30-Series draft gear box and trim opening top flush with bottom of pilot deck. Attach #34 Coupler to the front and from the bottom of the loco using a #256 nylon plastic 2-56 screw. Cut screw off flush with top of deck.

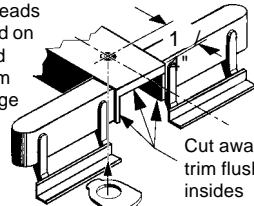
3. For rear coupler, use existing mounting hole in loco frame (hole closest to end with raised hub), carefully drill and tap for 2-56 threads and mount a #31 Coupler from the top, using #256 nylon plastic 2-56 screw. Tighten screw so draft gear box does not turn. Do not over tighten. Be sure draft gear box is aligned with centerline of loco. Cut off protruding part of screw flush with top of hub. Now cut away and open back lower end of loco superstructure between step hanger straps. Be sure opening is centered.

4. Reassemble the loco by reinstalling motor (check that gears mesh properly) and mounting superstructure back onto frame with the long screw.

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

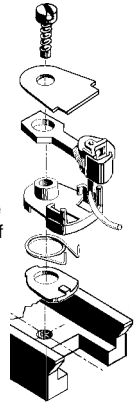
# 0-4-0 DOCKSIDE (EARLY)

Drill and tap a hole for 2-56 threads centered on pilot and 1/4" from front edge

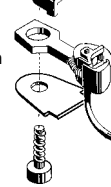


Cut away and trim flush with insides of pocket

Secure #31 Coupler with 2-56 screw



Assemble #34 Coupler as shown here with spring on top and coupler on bottom



Cut back bottom of loco superstructure to fit outside of frame and to clear the installed #31 Coupler

**Fig.1**  
**#34 Pilot Installation**

**Fig.2**  
**#31 Rear Installation**