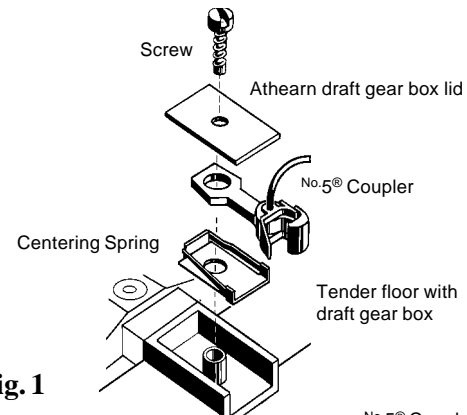


# ATHEARN

# 4-6-2 PACIFIC

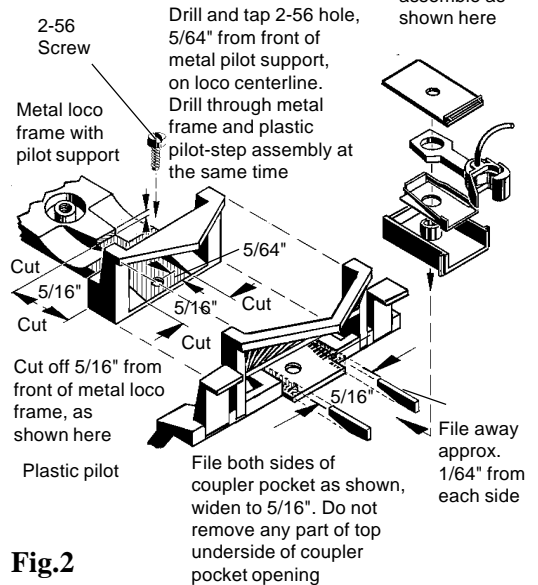
## No.5® PILOT AND TENDER COUPLER CONVERSION

1. Remove the Athearn screw, draft gear box lid and couplers from loco and tender.
2. For tender, place Centering Spring and No.5® Coupler over centerpost and into draft gear box, attach lid and secure with screw, see Fig.1.
3. To mount Coupler in pilot, first remove plastic Athearn draft gear box and lid and plastic pilot-step assembly from front of metal frame.
4. Modify front of metal frame at pilot support, by filing away a 5/16" long (measured from underside front edge of metal pilot support) and 5/16" wide centered flat area from the wedge shaped area under the metal pilot deck, see Fig. 2. This "new" surface should be flat and level with the underside of the top of the pilot deck. This may be easiest to accomplish by making four cuts to guide file and filing between cuts until surface is flat and level with underside of pilot deck.
5. The first cut is made at a right angle to the frame, 5/16" back from front edge of metal pilot deck and 1/16" deep. The second cut is made 1/32" deep directly behind and flush with both rectangular side portions at top of metal pilot deck at a right angle to the frame. Be careful not to weaken or cut through frame. File area between cuts flat and level with underside of pilot deck. The third and fourth cut should be scribed parallel to metal frame at front underside of metal pilot deck and 5/32" on either side of the centerline of frame (5/16" wide centered). File area between scribed lines flat and level with underside of pilot deck and previously filed area. Do not file away any more from front of pilot support deck than recommended here. Both sides of sloped areas at front underside of pilot deck are necessary for proper seating and support of plastic pilot-step assembly. See Fig. 2.
6. Modify plastic pilot coupler pocket by filing the sides of the coupler pocket to make a 5/16" wide centered opening 1/64" from either side. See Fig. 2.
7. Reattach plastic pilot to metal frame. Drill and tap a 2/56 hole 5/64" from front edge of metal frame, on centerline, through metal frame and plastic pilot-step assembly. Place No.5® Spring and Coupler in Athearn draft gear box, attach lid and slide into coupler pocket. Secure all three assemblies with 2-56 by 1/4" screw.
8. Check for correct coupler height, function, and clearance and make any adjustments necessary.



**Fig. 1**

## No.5® Tender Installation



**Fig.2**

## No.5® Pilot Installation