

instructions included with the coupler. **For #1-Scale** -- Modify draft gear box by filing corners as shown in Fig.2 for screw head clearance.

Position the bracket lid and assembled coupler on the mounted bracket in the order shown in Figs.3a and 3b. The bracket lid is positioned 180° differently for G-Scale than it is for #1-Scale. To install, place the lid on the bracket and insert the assembled coupler through the pilot opening, positioning it on bracket lid. Secure coupler and lid by inserting two of the 4-40 x 3/4" screws through the side mounting holes of the coupler draft gear box. DO NOT overtighten these screws or the coupler may not swing freely. **For #1-Scale** -- If your locomotive is to be run on small radius track, you may need to cut the draft gear box sides to allow for additional coupler swing. This modification is shown in Fig.12 of the General Instructions included with the coupler.

Place locomotive on a section of track. Check coupler height using Kadee's® #880 (G-Scale) or #829 (#1-Scale) Coupler Height Gauge.

If coupler is too high, disassemble and slightly file the two small pads on the bottom of the bracket (see Fig.3a and 3b). Be sure to file both the pads equally. This will lower the coupler height when re-assembled. If the pads must be completely filed off and the coupler is still too high, place one or two of the supplied shims under the front of the bracket to tip it down. They can be folded in half if necessary.

If the coupler is too low, one of the shims can be placed under each of the two bracket pads to tip the coupler up.

Note: A side view of this coupler, when properly installed, will show the coupler tilts downward slightly. This resembles the original coupler mounting and is correct for this conversion.

After installing Kadee® Couplers on both ends of your locomotive, use the supplied plates to give your pilot face a more finished appearance. Use the two plates with the wider openings for G-Scale and the two with smaller openings for #1-Scale.

Slip the plate into position around the coupler draft gear box with the smooth side out. Press into place, bringing the plate flush with the pilot opening. If necessary file the plate slightly for a snug fit. Once the fit has been checked and you are certain the coupler height is correct install plates permanently using a small amount of glue on the four gluing tabs.

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673 Avenue C / White City, Oregon 97503-1078 / U.S.A.

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# #884

(COUPLERS NOT INCLUDED)

## Use with #820 (#1-Scale) or #830 (G-Scale) Couplers for Aristo-Craft® GE U-25B Locomotives

The bracket included in this kit allows for simple installation of either Kadee's® #820 #1-Scale Couplers or the #830 G-Scale Couplers on the Aristo-Craft® GE U-25B locomotive (front and rear).

### THE #884 PACKET INCLUDES:

2 each Mounting Brackets  
2 each Mounting Bracket Lids  
4 each 4-40 x 3/4" Screws  
4 each 2 x 3/8" Screws  
2 each G-Scale Pilot Face Plates  
2 each #1-Scale Pilot Face Plates  
2 each White Plastic Shims

### TOOLS NEEDED:

Small Phillips Screwdriver  
Small Standard Screwdriver  
Small Saw  
(G-Scale conversion only)  
File

Please read instructions thoroughly before proceeding.

**IMPORTANT: Note the Bracket Lid is positioned differently for G-Scale then it is for #1-Scale (see Figs.3a and 3b). The lid must be rotated 180° for the different conversions.**

### REMOVAL OF THE EXISTING COUPLER:

Turn the locomotive over and place it on a soft pad to protect the roof-mounted air horns from damage. (You may wish to pull the air horns out and reinstall them after coupler installation is completed.)

Remove Screw A and lift out the coupler and mounting bracket assembly (Fig.1). Then, remove Screw B and washer. The spring will not be used with the new Kadee® coupler.

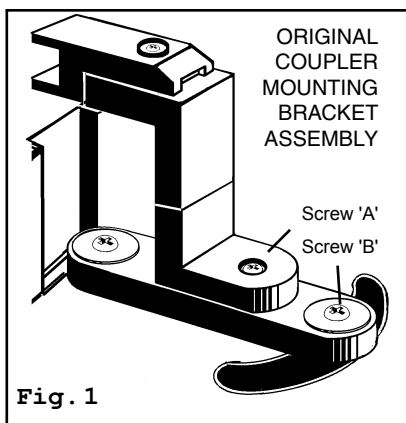


Fig. 1

### MOUNTING KADEE® COUPLER:

Note proper assembly of the assembled coupler, mounting bracket and mounting bracket lid shown in Figs.3a and 3b.

Position bracket on locomotive by placing the boss into the locating hole. Making sure the bracket is straight, secure by screwing one of the supplied 2-3/8" screws in the center mounting hole (replacing Screw A). (The bracket is made to fit snugly to prevent unwanted side movement. If the bracket will not snap down into position, slightly file raised surfaces inside of bracket.) Now place the other 2 x 3/8" screw in rear mounting hole (replacing Screw B). DO NOT over tighten this screw.

**For G-Scale conversion** -- modify the **coupler draft gear box** by filing or cutting off the protruding section of the rear mounting hole, as shown (Fig.3a).

Assemble the draft gear box and coupler as described in the general

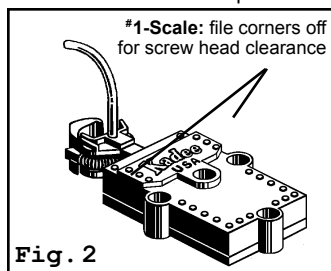


Fig. 2

Fig. 3a

### G-Scale CONVERSION

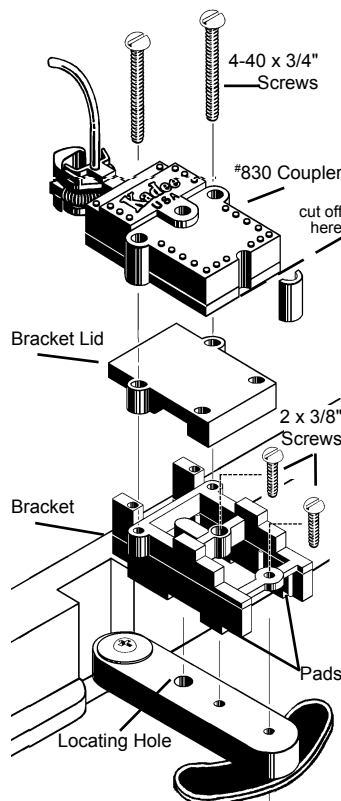


Fig. 3b

### #1-Scale CONVERSION

