

ARISTO-CRAFT 2-8-2 MIKADO

PILOT: #831 "G" scale or #1831 #1 scale. VANDERBILT TENDER: #830 "G" scale or #820 #1 scale.

To mount a coupler on the swinging arm of the pilot requires you to remove the road pilot (cow catcher). Many modelers have scratch built "step pilots" used in place of the cow catcher.

Pilot: Remove the cow catcher grating and attach the coupler to the arm protruding from the truck. You may need to drill a new screw hole and use the screw from the coupler package.

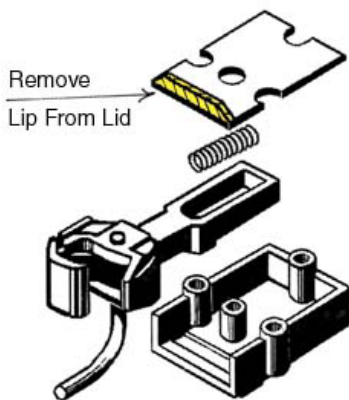
Note, that the coupler arm flexes up and down quite easily and may cause unwanted uncoupling when pulling or pushing a certain amount of weight. When the loco is upright and on the track the bottom of the arm will ride against the truck, however you need about .150" shim to place on top of the coupler box or on the bottom of the end sill to keep the coupler from rising up during operations. It is best to attach the shims to the coupler box with a countersunk flathead screw because glue does not adhere to the type of plastic the box is made of. If you attach a shim to the end sill you need to make it long enough to cover the entire swing of the coupler.

Tender: The #831 coupler should work OK on the truck mount of standard type tenders but it will be too short for the "Vanderbilt" tender. Use the #830/820 coupler on the Vanderbilt tender.

First trim off the lip on the lid of the #830 draft gear box. Place the assembled coupler on the floor just behind the end sill where the edge of the sill fits over the front end of the draft gear box. The shank of the coupler will ride along the edge of the sill. Make sure the coupler is along the center line then mark the floor through the center hole (or the hole/s you wish to use) of the box and drill and tap a hole for a 2-56 screw (#50 drill). Place coupler in position and secure with the included screws.

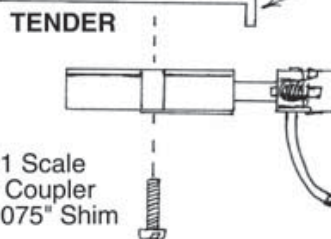
If you are using the #1 scale #820 coupler then follow the same procedures but you may not need to trim off the lip from the lid. Use a .075" thick shim the same size as the #820 draft gear box (if possible). You can glue the shim in place or secure it with screws along with the coupler.

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



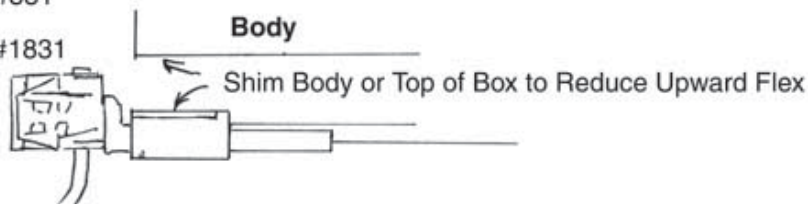
Drill And Tap a Hole For A 4-40 or 2-56 Screw. A #4 Self-tapping Screw Would Be OK Too.

End Sill Will Fit over Front edge of box and leave the shank free to swing



**Pilot** #831 coupler - remove "Cow Catcher" - place coupler on swinging arm mount. Because of too much flex in mount you need to build a .150" thick shim down from end sill or on top of the coupler box.

'G' Scale #831  
or  
#1 Scale #1831



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