

MODEL POWER

ALCO RS-11

#29 TRUCK MOUNTED, #33 BODY MOUNTED COUPLER CONVERSION

Remove the original coupler by placing a thin blade screwdriver under the stirrup at the back of the truck and carefully pry off, it should pop over the latch. Lift the bottom portion of the truck, back first, and slide it forward past the front. The coupler pocket scissors together, the bottom platform is part of the top portion of the truck. Assemble the coupler on the top of the pocket with the universal adaptor (20 series draft gearbox). Slide it back to the edge of the inside secure it to the pocket with a piece of tape or small rubber band. Reassemble the truck and check the coupler for the needed clearance. Make sure the gear box is as far back as possible and the front edge clears the sill when the truck is moved side to side. The rear of the gear box should be against the front of the upper portion of the truck. Disassemble the truck again taking care not move the coupler. Mark the top of the pocket through the hole of the gearbox. Drill (#50 drill) and tap a hole through the top of the pocket for a 2-56 screw. The hole may go through the post inside the pocket. Secure the coupler with a 2-56 screw trimmed to the length of the post.

After checking the clearance and height of the coupler, if the truck mounting is not suitable or if you desire you can body mount a #33 coupler.

Follow the disassembly instructions as above. Trim off 5/16" (.3125") from the end of the coupler pocket and trim off the matching amount from the bottom plate on the upper portion of the truck. This is to allow the necessary clearance for the body mounted coupler.

Make two shims (platforms), one for the rear that bridges the tab that holds the body to the underframe, from styrene stock (you have to sandwich pieces together) .155" thick by .320" wide by .350" long, see the illustrations. Place the platform along the centerline behind the sill on the floor, make sure it is even with the protruding lip of the sill. Cement in place with a solvent cement.

Measure back from the end of the lip on the sill (platform) .220" and on centerline. Drill (#50 drill) and tap a hole through the platform for a 2-56 screw.

Assemble the coupler according to its instructions with the spring side of the draft gear box on the bottom and the lid on the top of the coupler. Mount to the platform and secure with a 2-56 screw trimmed to the appropriate length (long enough for only the coupler and platform thickness).

For either of the mountings, check the coupler for the correct height, function, and clearance and make any necessary adjustments.

Shim stock platform with bridge for body tab of the rear. Front platform can be solid of the same size

