

AMERICAN MODEL SUPPLY
(ACCUCRAFT 1:20.3)
D&RGW FREIGHT CARS

#789 OR 835 "G" scale #1789 OR 1835 #1 scale (coupler and centering springs only no draft gear box)

BOX CAR: Remove the screw from the bottom of the draft gear box. Use a small screw driver and, from the inside, carefully pry up the side of the box cover that's not under the airline pipe. It will be tight but it will slowly come up then slip it from under the pipe. Also, the coupler springs may pop out so go slow and take care. When the coupler is free carefully bend out the last link of the chain of the coupler lift bar that's attached to the coupler. The chain will remain hanging over the new coupler and still look good. If you wish you can put a small "eye" bolt on the top of the new coupler to attach the chain to it but make sure the coupler can swing freely.

File the rough areas of the inside of the box and cover as smooth as possible. Place the #789/835 coupler over the post on the cover and slip it back under the pipe and press it down until it is in position. Push the coupler to one side and slip one of its' coil springs into the opening and compress it until you can slip the end over the retaining cone on the coupler. Then move the coupler to the other side and slip in the other spring. Flip the coupler back and forth and make sure that it centers properly. Then replace the screw and check the coupler height. It may be slightly higher than our coupler height gauge but not enough to need adjustment which could be challenging.

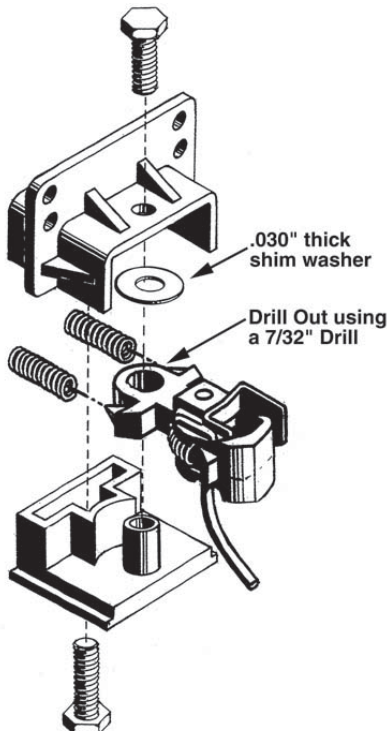
GONDOLA: This car has a coupler draft gear box like Accucrafts "after market" couplers. It uses the same couplers but there are a few more things to do.

Carefully bend open the last link of the chain on top of the coupler and slip it out. Use a 1/8" nut driver (or another appropriate tool) and carefully remove the tiny bolt on the top of the box. Turn the car over and remove the screw from the bottom. Carefully lift out the cover and coupler.

This particular type draft gear box has a center post larger in diameter than the box car. Use a 7/32" drill and drill out the hole in the Kadee coupler. Make a .030" thick shim washer to fit over the post this will take up the slack of the coupler. Place the coupler over the post and then the washer. If you can insert the springs on both sides and hold in place while you set the assembled lid into the box. If you can not hold the springs in you can follow the procedures of the box car, it will be a tighter fit because of the position of the airline hose.

When the coupler and springs are in place flip the coupler back and forth to test the centering action. It will also help position the springs. Using some #231 Greas-em Dry Graphite Lubricant will help in achieving the best coupler performance.

Replace the bottom screw then the top bolt. Be careful so you do not scratch the painted finish.



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