

#211 DRAFT GEAR SHIM INSTRUCTIONS

For use with HO Couplers #3, #4, #5, #9 and 20-Series Couplers

Study exploded views in Fig.1 and Fig.2 to determine where Draft Gear Shims should be installed.

Assemble coupler according to coupler instruction sheets.

Draft Gear Shims are designed in both .010" and .015" thicknesses, to raise or lower coupler to proper height.

If your coupler is too low, place either a .010" or .015" thick Draft Gear Shim between

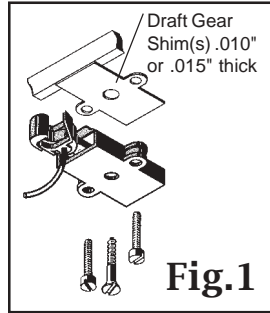
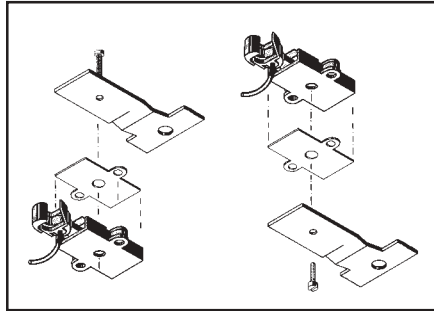


Fig.1

mounting platform and coupler draft gear box bottom. If coupler is too high, place shim(s) between car bottom and coupler draft gear box top.

Fig. 2 shows an exploded assembly illustration of No. 5 Coupler with the addition of Kadee® Draft Gear Shims of either .010" or .015" thickness.

Kadee® Draft Gear Shims are made to fit HO Couplers #3, #4, #5, #9 and 20-Series Couplers.

To correct the improper trip pin to rail head clearance, add as many shims as your particular case requires. When adjusting coupler height, trip pin should clear top of rails by not more than 1/32", see Fig.3. Refer to coupler instruction sheet.

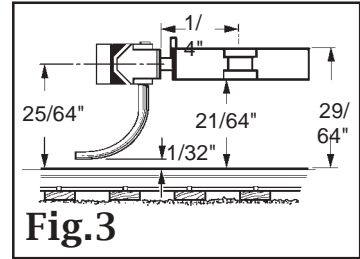
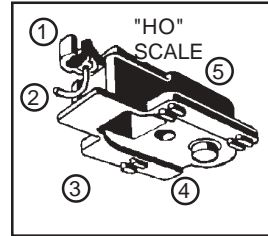


Fig.3

After you have completed assembling coupler and selected the number of Draft Gear Shims needed, you are now ready to glue shims in place. Draft Gear Shims can be glued in place with solvent glue, if mounting

is styrene. Otherwise, use Walther's® "GOO". When mounting Kadee® Couplers to cars or locos, we recommend using our HO-scale Coupler Height Gauge #205.



- (1) Gauge coupler height from rail.
- (2) Gauge trip pin height from rail.
- (3) Gauge track gauge.
- (4) Moveable dowel "feels" for magnetic uncoupler to determine its correct height.
- (5) Uncoupler height is indicated by sight or touch as moveable dowel registers height at top of gauge.

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