

# ATHEARN

# ALL FREIGHT CARS

## #148 WHISKER® COUPLER COUPLER CONVERSION FOR OLDER METAL CARS ONLY

1. Remove existing trucks, coupler pocket covers and couplers. Discard couplers, save trucks and covers.
2. If any internal side protrusions are present in the coupler pocket, see Fig.1, remove them by cutting and/or filing until surface of sides are smooth and flat.
3. Additional filing of inside of coupler pocket may be required in some instances. In some metal coupler pockets the centerpost is square. Round centerpost by cutting off corners and/or filing corners at a 45 degree angle. See Fig.2.
4. Place coupler with spring into Athearn coupler pocket. Secure with lid and/or screw. See Fig.1 and 3 for typical installation.

## #148, No.5® & 20-SERIES CONVERSION FOR METAL & PLASTIC CARS

1. Remove existing trucks, coupler pocket covers or spring clips and couplers. Discard couplers, save trucks and covers or spring clips.
2. If any internal side protrusions are present in the coupler pocket, see Fig.4 and Fig.5, remove them by cutting and/or filing until surface of sides are smooth and flat.
3. Additional filing of inside of coupler pocket may be required in some instances. Test to see if metal Centering Spring fits inside coupler pocket without any bind. If spring binds, file both sides equally until spring drops in. Spring should just fit and not be able to move sideways.
4. Place Centering Spring on top of Coupler and insert into Athearn coupler pocket. Secure with lid and screw or spring clip. See Fig.6 for typical installation.
5. Check for correct coupler height, function, and clearance and make any adjustments necessary.

**NOTE:** If you do not want any back and forth coupler movement, place a 20-Series thin wall Bushing over centerpost after filing out I.D. with a tapered round needle file to allow Bushing to slip over centerpost, then proceed with installing Spring and Coupler.

### METAL CARS

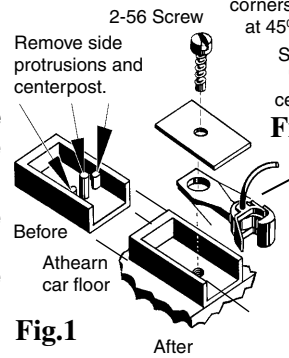


Fig.1

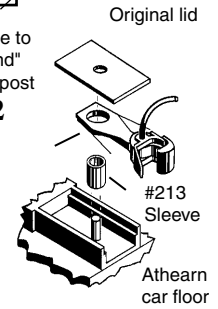
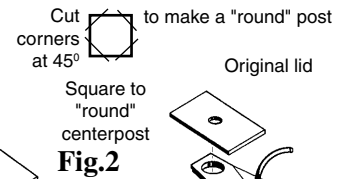


Fig.3

### METAL CARS

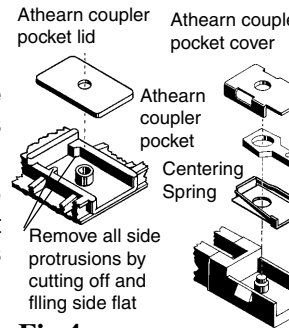


Fig.4

### PLASTIC CARS

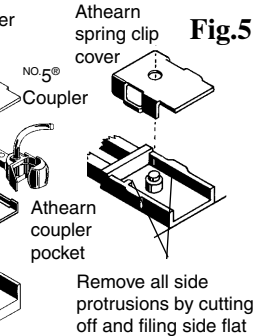


Fig.5

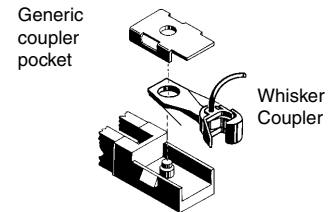


Fig.6

### Installation