

# Door Hinge Repair Directions

## Materials:

CASCO Part number 22810B Hinge repair kit.

## Tools:

Drill press or hand drill, ½" drill bit, Vice, Plastic hammer, Ball peen hammer, Drive punch, Grinder, Felt tip marker.

## Operations:

### **Disassemble Hinge**

If hinge is badly rusted, soak assembly in penetrating oil overnight before trying to disassemble. Mark hinge for proper reassembly. Securely clamp hinge assembly in vise. Using drive punch and ball peen hammer, drive old pin out of hinge assembly. It may be necessary to heat the casting to drive the pin out. Be careful not to "mushroom" the end of the pin.

### **Install Bushings**

Using a drill press (preferred) or a hand drill with a ½" drill bit, drill each end of center casting about 1/2" deep. Clamp casting in the vise. Using a plastic hammer tap new bushings into the center casting until flange on bushing is seated. Try to fit center casting into the outer stamped housing. If the flanges on the bushings are not needed, use a grinder and carefully remove the flanges.

### **Assemble Hinge**

Paying close attention to the marks you made before disassembling hinge, fit center casting into outer housing. Using the ball peen hammer, drive pin into the assembly. If pin is too tight to install, lightly sand or file the ID of the bushings then try to install the drive pin. Oil joints. Cut pin to length. If pin turns in the stamped housing instead of turning in the bushings, tack weld end of pin to the stamped housing.

If you have problems or questions, please call our technical assistance line at 740/622-9700. CASCO also offers a hinge rebuild service if you find that the above procedure is more than you want to tackle. (See part number 22810A)