

CARRIER SECTION

ential bearing using the same tools as shown in Figure 1009-176.

For example:

In Figure 1009-154 (less pinion) a total of .085 indicator reading was recorded.

In Figure 1009-175 (with pinion) a total of .055 indicator reading was recorded. This leaves a balance .030 of shims for the opposite side and adds up to the .085 which was first recorded.

Add an additional .015 shims on the opposite side for bearing preload and backlash.

Ring gear side—.055

Opposite side—.030

Opposite side preload—.015

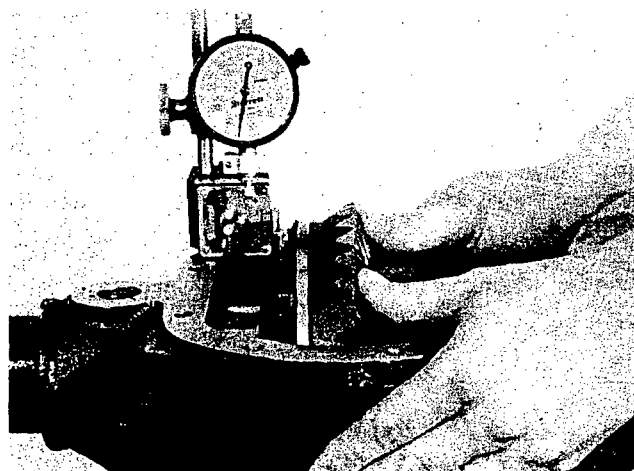


Figure 175

1009-175

Force the differential assembly (ring gear) away from the pinion gear to obtain an indicator reading. Repeat until the same reading is obtained each time. This reading will be the necessary amount of shims between the differential case and differential bearing on the ring gear side. Remove indicator and differential case from the carrier.

Remove master bearings from differential case.

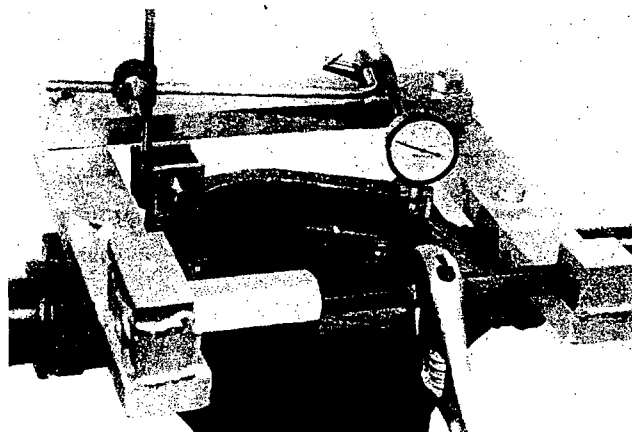


Figure 177

1009-177

Install spreader and indicator to carrier as shown.

Do not spread carrier over .020.

Remove indicator.

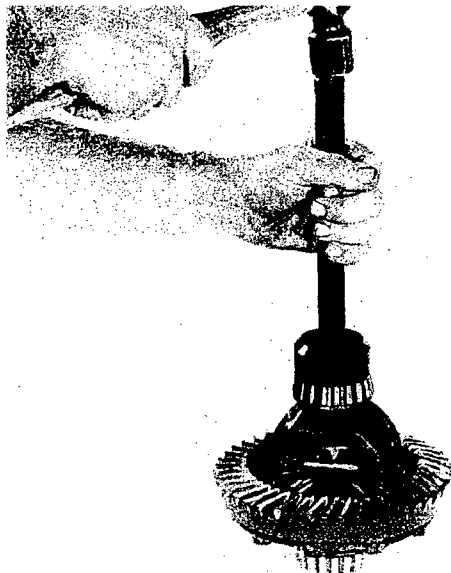


Figure 176

1009-176

Assemble the required amount of shims onto hub (ring gear side) as determined in Figure 1009-175. Place bearing cone on hub of case. Use bearing installer to seat bearing cone as shown.

Tools—#D-156 Installer, #S-4171 Handle.

Assemble the remaining of the total shim pack which was determined in Figure 1009-154 on the opposite side of the differential case. Add an additional .015 of shims on this side to compensate for differential bearing preload. Assemble differ-

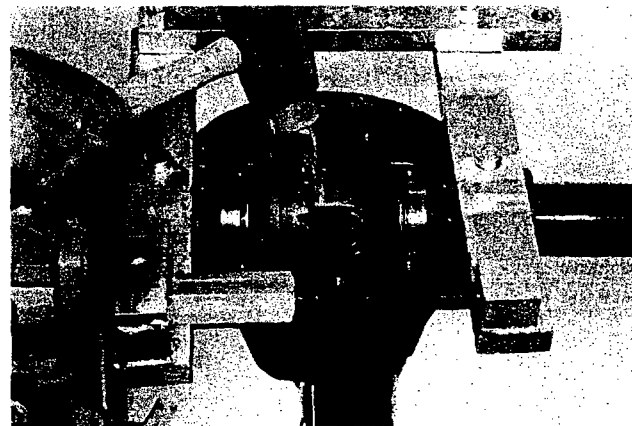


Figure 178

1009-178

Assemble differential bearing cups to differential bearing cones.

Install differential assembly into carrier.

Use a rawhide hammer to seat differential assembly into cross bore of carrier. Care should be taken to avoid nicking the teeth of the ring gear and pinion during assembly.