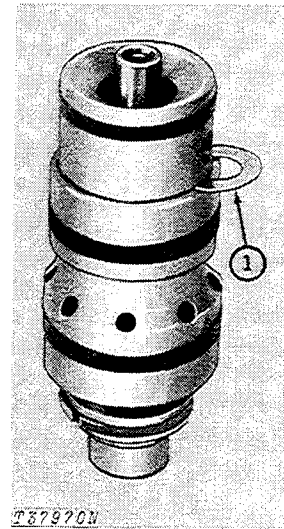


Fig. 12-Retainer Flush with End of Valve Shaft

Slide valve shaft toward return poppet end and check to see if outside edge of retainer is flush with end of valve shaft (end with the "hex." hole). If it is not, add or deduct shims as required. After obtaining the proper shimming, remove one shim and install retaining ring.



1—Shim

Fig. 13-Clearance Between Liner and Seat

Check the clearance between the valve liner and return seat (Fig. 13) for a measurement of 0.010 to 0.030 in. (0.25 to 0.76 mm). If measurement is not within specifications, readjust shim pack.

This can be checked by installing a shim between valve liner and return seat. If one but not two shims slide in between liner and return seat, then clearance is correct.