

Figure 3

#### E. Forward Throttle Pickup Adjustment

Rotate distributor counterclockwise until distributor stop bracket touches crankcase. While holding distributor in this position, rotate throttle pickup plate counterclockwise until No. 2 pickup pin is  $1/16$ " from backside of No. 2 lever on lever cluster and tighten cap screws to hold pickup plate in place. (See Figure 5.)

#### F. Latch Spring Clearance and Latch Spring Screw

Check for  $1/64$ " clearance or less between latch spring and gear sector pin when sector is held and torque is applied to distributor in advance (counterclockwise) direction. Adjust latch spring, if necessary, by loosening the 2 cap screws securing it to distributor adaptor. (See Figure 6.)

The latch spring and latch spring adjustment screw have been eliminated on Mark 78E engines above Serial No. 1166569. It cannot be removed from older models

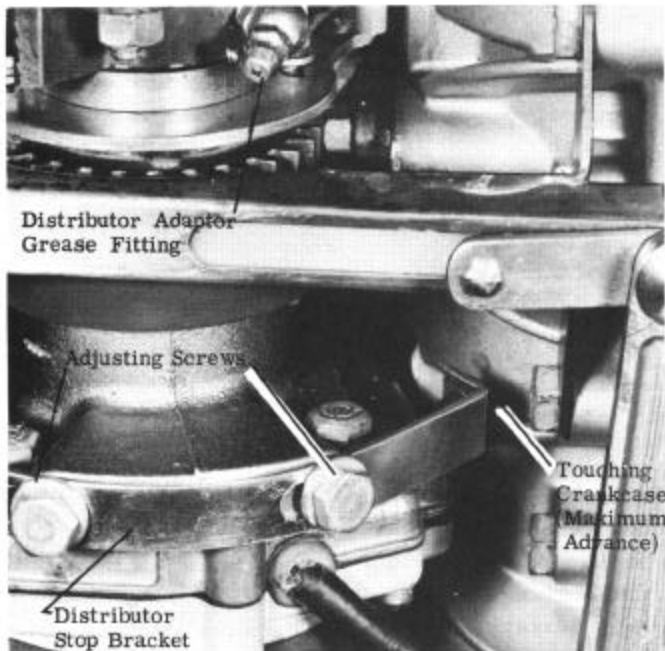


Figure 4

unless new pilot assembly 28512A1 and components are used.

Adjust latch spring screw so that latch spring is just unlatched when distributor stop bracket strikes crankcase (full advance). (See Figure 7.) (NOTE: This has been eliminated on later Mark 78 Models.)

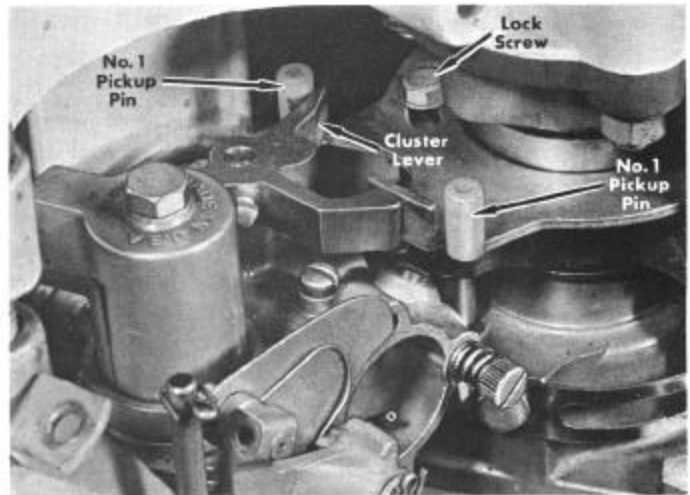


Figure 5

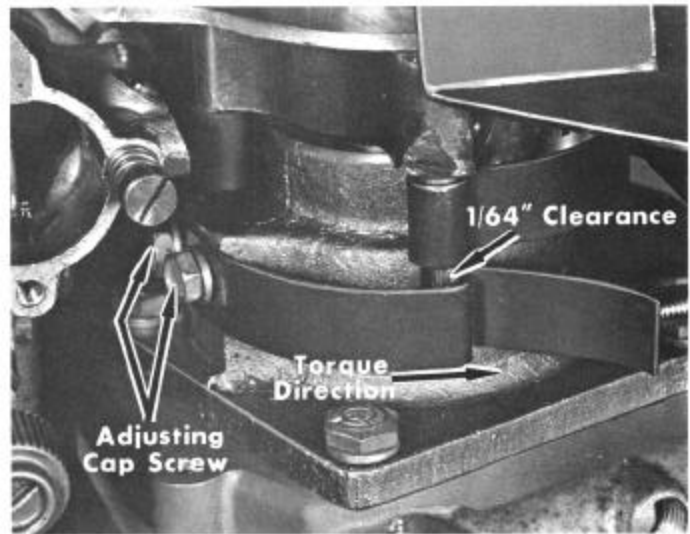


Figure 6

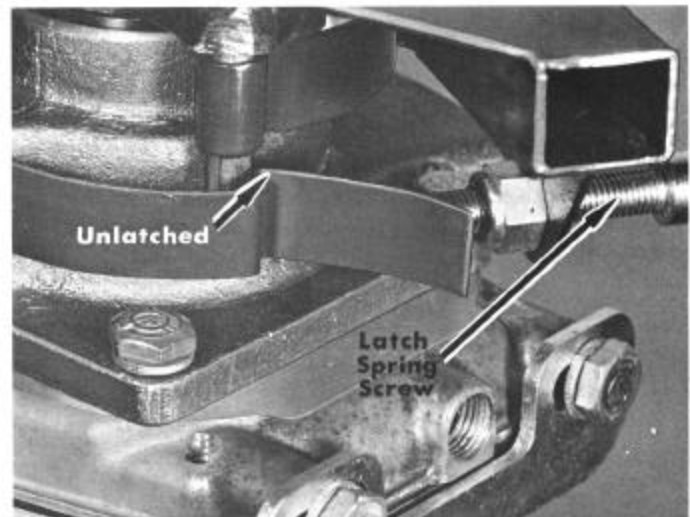


Figure 7