throttle cable is the one on which nylon end moves last when moving control handle from neutral position.)

3. Move throttle lever on engine forward until throttle stop lever touches idle stop screw lightly and hold lever in this position. (Figure 12)

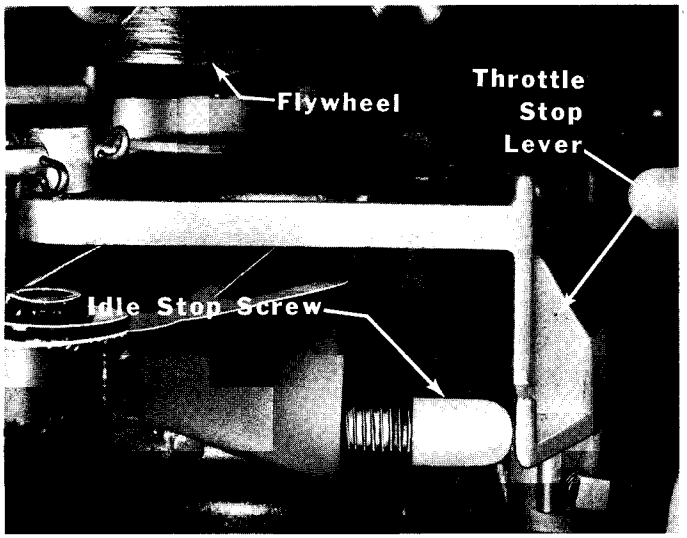

Figure 12. Throttle Stop Lever Touching Idle Stop Screw

4. Fasten throttle cable end guide to bottom of anchor point on bottom cowl. (Figure 13)
5. Align brass barrel so that hole in barrel is in line with clevis yoke on throttle lever.
6. Remove knurled pin from anchor point and place brass barrel on clevis yoke with cable on bottom. (Figure 13)
7. Re-insert knurled pin in anchor point. (Figure 13)
8. Move control handle to full forward, full reverse and return to neutral.
9. Check to see that throttle stop lever is touching stop screw lightly. (Figure 12) If necessary, readjust brass barrel on cable to accomplish correct

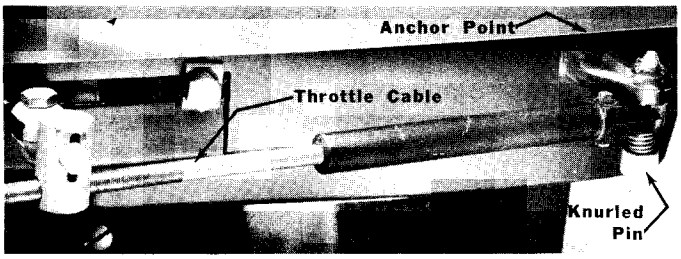

Figure 13. Throttle Cable Adjustment

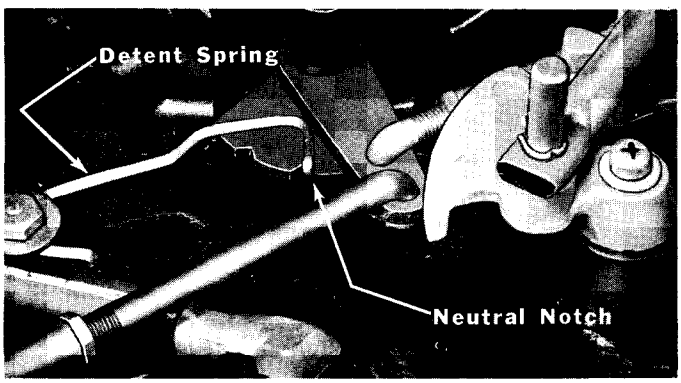

Figure 14. Detent Spring and Shift Control Lever Plate

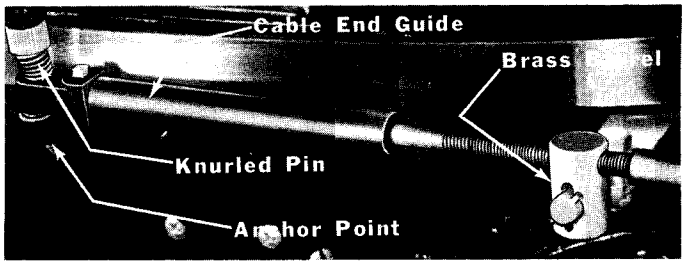

Figure 15. Shift Cable Installed

adjustment. If throttle stop lever is forced too tightly against idle stop screw, neutral throttle lever will not open carburetor throttle shutters, and hard starting will result. If stop lever is not touching idle stop screw, engine will not idle down.

B. Gear Shift Control Cable Installation on Engine

1. Gear shift cable is one on which nylon end moves first when moving control handle from neutral (detent) position.
2. Place control in neutral position (detent) and shift lever on engine in neutral position. When shift lever on engine is in neutral position, detent spring will be in center notch of shift control lever. (Figure 14)
3. Fasten shift cable end guide to top of anchor point on bottom cowl. (Figure 15)
4. Align brass barrel so that hole in barrel is in line with clevis yoke on shift lever.
5. Remove knurled pin from anchor point and place brass barrel on clevis yoke with cable on top. (Figure 15)
6. Re-insert knurled pin in anchor point. (Figure 15)

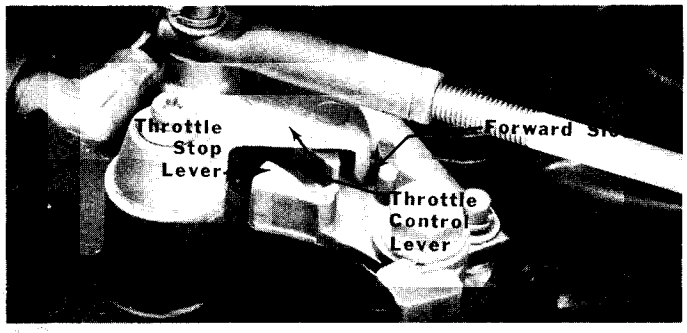

Figure 16. Throttle Control Lever Centered

7. Move control handle to forward position and be sure that detent spring is in forward notch of shift control lever plate in bottom cowl and that throttle control lever is centered in forward slot of throttle stop lever. (Figure 16)
8. Shift back into neutral and check to see that detent spring is in center (neutral) notch of throttle control plate. It may be necessary to adjust brass barrel to compensate for cable backlash.
9. If correct cable adjustments have not been made, shifting mechanism will not function properly and throttle control lever will not enter slot of throttle stop lever, as shown in Figure 8 on Page 87.

CAUTION: Do not shift into reverse while engine is not running, as reverse gear clutch may not be in exact relative position to permit engagement of shifter clutch. Forcing lever under this condition will result in bent or damaged shifting mechanism on engine and control.