

be used at high elevations to allow proper engine RPM.

5. Engine can be tested in test tank with propeller or Test Wheel.

### B. Idle Adjustment

1. Idle adjustment also has been set at factory. If re-adjustment is necessary, it can be done with Test Wheel or a regular propeller in the test tank or on the boat.
2. Start with all idle needles one turn open and adjust for maximum RPM with magneto retarded to give about 600-700 RPM. (Figure 5)
3. Warm engine before attempting adjustment.
4. With engine running at idling speed while in forward gear, turn low speed mixture adjusting needle counterclockwise until affected cylinders start to "load up" or fire unevenly due to overrich mixture. (Figure 5)
5. Slowly turn needle clockwise until cylinders fire evenly and engine picks up speed.
6. Continue turning clockwise until too-lean a mixture is obtained and engine slows down and misfires.
7. Set adjustment screw one turn counterclockwise from lean-out position to gain approximate true setting.
8. Do not adjust leaner than necessary to attain reasonably smooth idling.
9. When in doubt, it is preferable to have mixture set slightly rich rather than too lean.
10. If engine hesitates during acceleration after adjusting idle mixture it is too lean and idle mixture should be richened slightly until engine will accelerate correctly.

## REMOTE CONTROL ADJUSTMENTS

### A. Gear Shift Control Cable

1. Remove front cowl and wrap-around cowl.
2. Place single lever remote control handle in forward position and small neutral warmup lever (on side of control box) down all the way.
3. Place remote control shift cable through opening in front left hand side of bottom cowl.
4. With motor in forward gear, place barrel (on shift cable) in recess in bottom cowl and cable end guide over peg without disturbing setting as shown in Figure 6. If necessary, readjust brass barrel for correct position and to compensate for cable backlash.

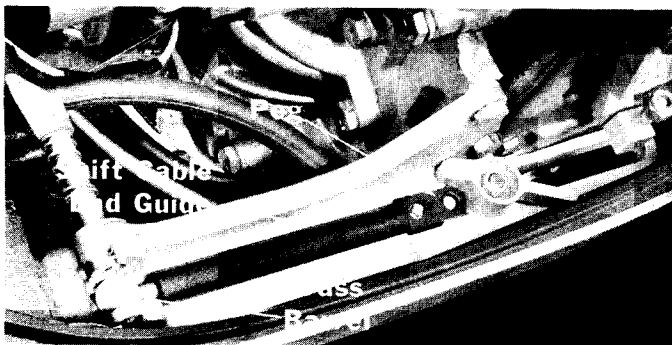


Figure 6. Positioning Brass Barrel and Cable End Guide

5. Press down on rear of clamp lever and position lever over cable end guide as shown in Figure 7.

6. Place single lever remote control handle in neutral position and check that motor is in neutral gear. *NOTE: If shift cable is not correctly adjusted, motor will not shift properly.*

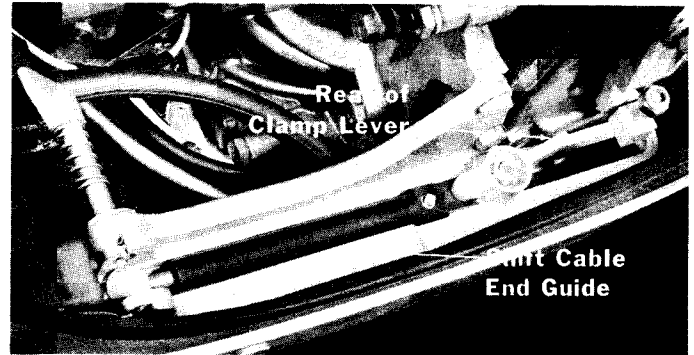


Figure 7. Positioning Lever over Cable End Guide

### B. Throttle Cable

1. Place remote control throttle cable through opening in front left hand side of bottom cowl and position barrel (on throttle cable) over barrel of shift cable.
2. Secure barrel in position with anchor pin. (Figure 8)

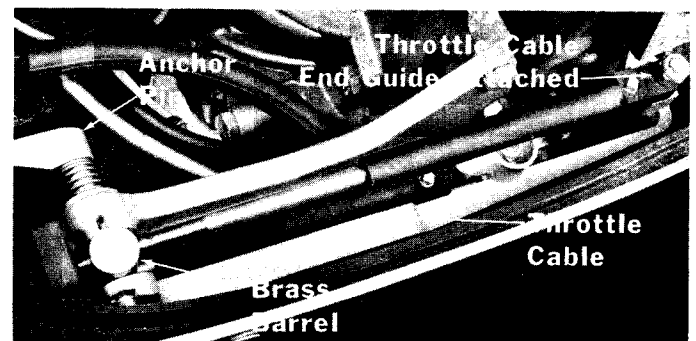


Figure 8. Securing Brass Barrel with Anchor Pin

3. Position vertical lever so that magneto is held lightly against idle stop screw. (Figure 9) Attach cable end guide to vertical lever swivel without disturbing setting. (Figure 9) If necessary, readjust barrel for correct position and to compensate for cable backlash.
4. Move single lever remote control handle to forward position and then back to neutral position. Check that magneto is held lightly against idle stop screw (Figure 9) when handle is in neutral position.

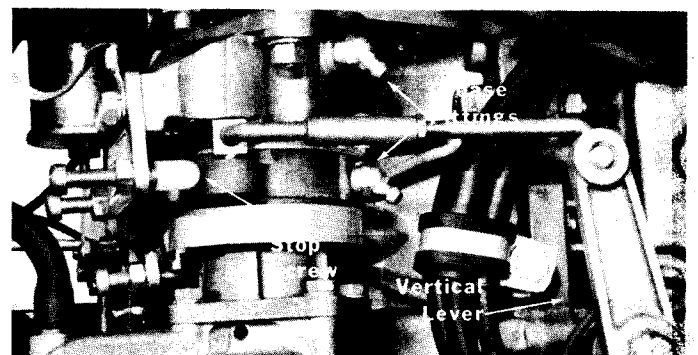


Figure 9. Vertical Lever and Idle Stop Screw