

## CARBURETOR ADJUSTMENTS

### High Speed Adjustment

Carburetors have fixed highspeed jets. Standard jet, installed at factory, is recommended for operation from sea level to 4000 ft. (1219.200m) elevation.

1. If engine is operated above 4000 ft. (1219.200m), select and install correct jets from chart following (aperature decreases .002" (.0508mm) as elevation increases each 3000 ft. [914.400m]).
2. Before changing jets, check engine out unless previous tests indicate exact jet size.
3. Jet size recommendations are intended as a guide (like a propeller chart). Try size larger or smaller if in doubt.
4. No change in spark advance is recommended for elevation operation. Propellers of lower pitch should be used at high elevations to allow proper engine RPM.
5. Engine can be tested in test tank with propeller or Test Wheel.

*NOTE: See Carburetor Chart, Section V, Page 21 to determine correct jet size for altitude.*

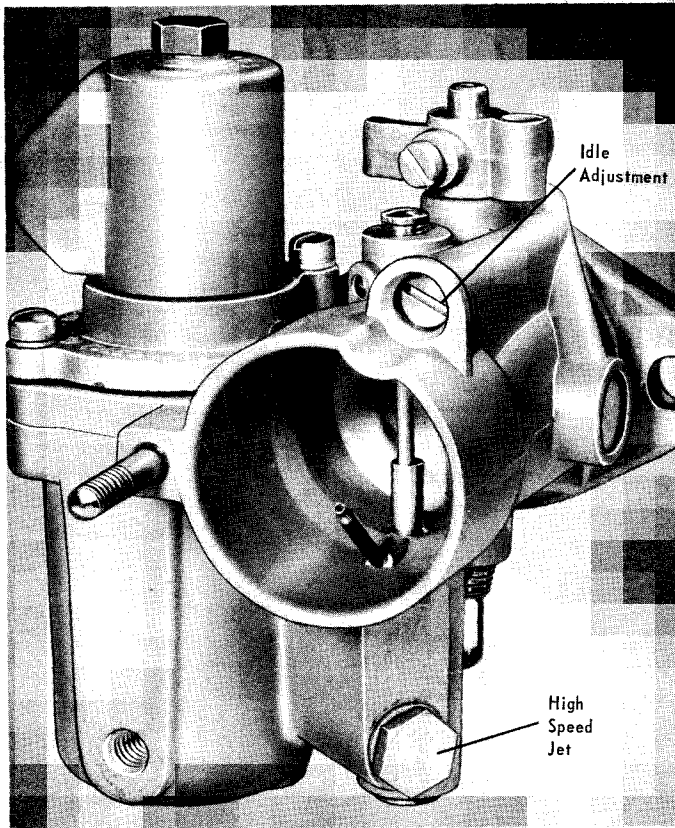


Figure 7. Idle Adjustment

### 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 7)

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 7)
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.

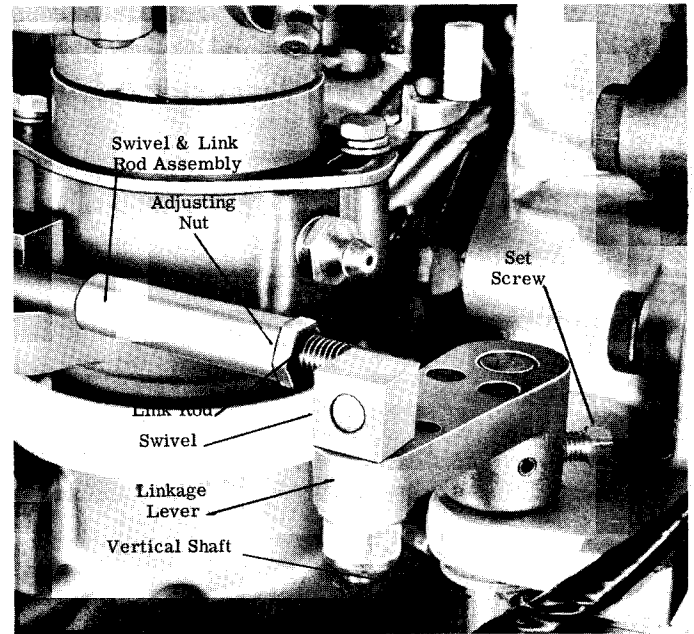


Figure 8. Vertical Shaft Adjustment

### Neutral RPM Adjustment

1. Shift into neutral.
2. Adjust length of link between vertical shaft and magneto actuator to obtain a speed of 2400-to-3000 RPM. (Figure 8)

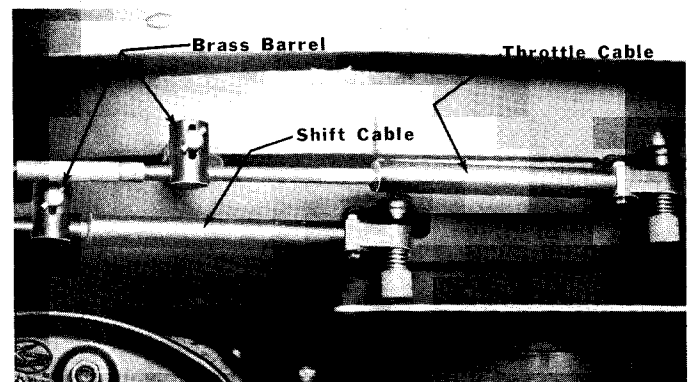


Figure 9. Cable Adjustments

## REMOTE CONTROL ADJUSTMENTS

### Throttle Control Cable

1. Place control lever in neutral position and be sure