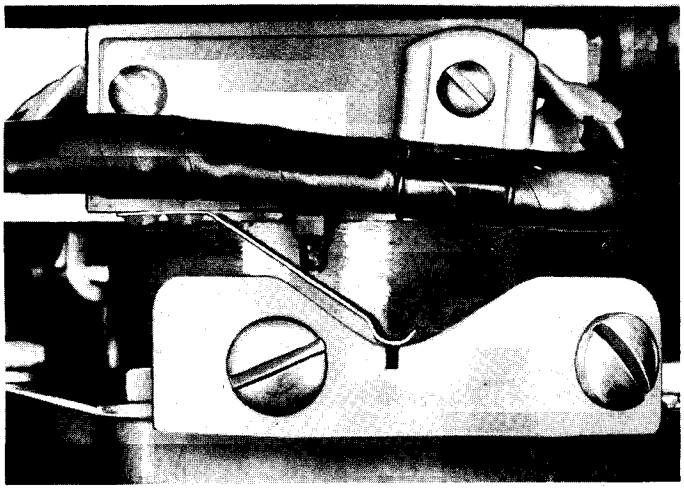

Figure 8. Forward Starting Switch Adjustment, Late Merc 700

VII. REVERSE CAM ADJUSTMENT

1. Before placing engine in test tank, adjust reverse cam (if necessary) by actuating self-locking nut on inside bottom cowl underneath lower carburetor. (Figure 10) Adjustment of this nut secures reverse locking assembly over the tilt pin.
2. Care should be taken not to tighten nut down too far so that reverse locking assembly will not be too tight on tilt pin, thus imparing reverse throttling.

VIII. REVERSE LOCK LINK

1. Adjust reverse lock link so that top cam has risen completely, and link has a minimum 1/32" clearance or free movement at full reverse RPM.
2. (Bottom cowl lever is positioned to give 600-to-800 RPM in reverse.) (Figure 10) This will prevent engine from kicking up in case of improper initial adjustment.

IX. THROTTLE STOP ADJUSTMENTS ON BOTTOM COWL

A. Forward Stop Adjustment

1. With engine running, loosen forward stop block and move bottom cowl lever to allow full carburetor throttle shutter opening (not merely full distributor advance).
2. Do not allow throttle shutters to act as a stop or the carburetor cluster to hit carburetor filter bowl.
3. Tighten stop block in bottom cowl so that any forcing of lever will not spring carburetor linkage. (Figure 11)

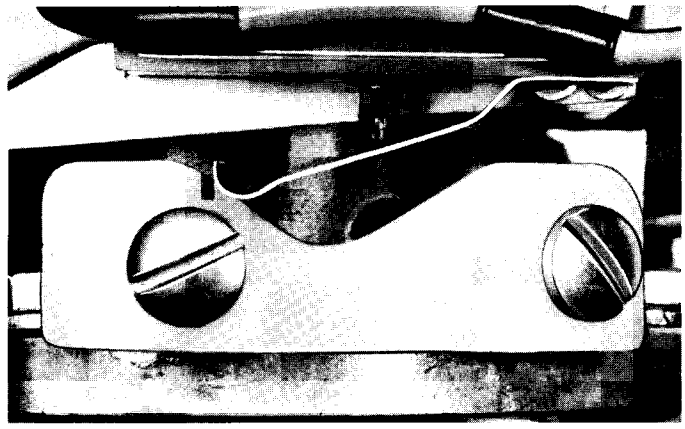

Figure 9. Reverse Starting Switch Adjustment, Late Merc 700

B. Reverse Stop Adjustment

1. With stop block in bottom cowl loose and engine running in reverse, move bottom cowl lever to obtain 3000 RPM.
2. Then tighten stop block against lever in bottom cowl to limit further movement of lever. (Figure 11) *(Note: Reverse RPM can be decreased on lighter boats.)*

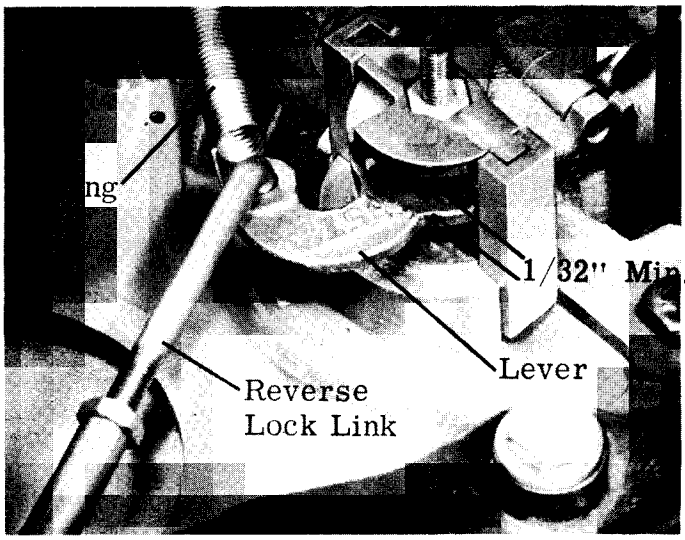

Figure 10. Reverse Cam Adjustment

X. CARBURETOR ADJUSTMENT

A. High Speed Adjustment

1. Merc 700-600 carburetors have fixed high speed jets. The standard jet, installed at the factory, is recommended for operation from sea level to 4000 ft. elevation.
2. If engine is operated above 4000 ft., select and install correct jets from chart below (aperature decreases .002" as elevation increases each 3000 ft.).
3. Before changing jets, check engine out unless previous tests indicate exact jet size.

Model	*Up to 4000'	4000-7000'	7000-10000'
Merc 700 Jet Size	.061"	.059"	.057"
Merc 600 Jet Size	.057"	.055"	.053"

* *Standard jet -- factory equipped.*

Jet size recommendations are intended as a guide (like a propeller chart). Try size larger or smaller if in doubt.