

B. Gear Shift Cable

1. Place control handle in neutral (detent) position and shift lever on engine in neutral position.
NOTE: Gear shift cable is one on which nylon end moves first when moving control handle from neutral (detent) position.
2. Adjust brass barrel so that cable is connected without disturbing either lever or handle.
3. Move control handle to forward position and be sure that detent spring is in forward notch (detent) of shift control lever plate in bottom cowl.

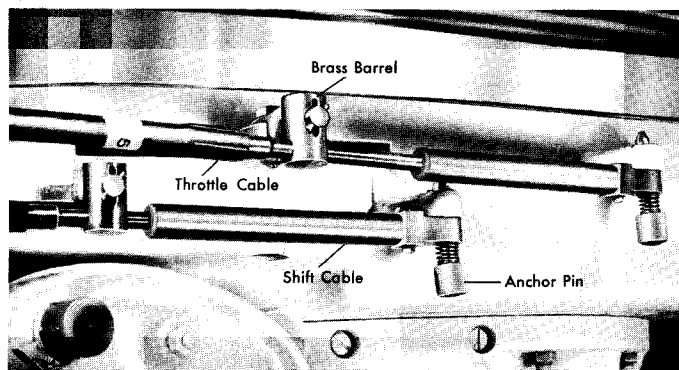


Figure 12. Cable Adjustments

4. Shift back into neutral and check to see that throttle lever and shift lever are in position as shown in Figure 13. Disengage cable end and readjust brass barrel of throttle cable, if necessary, to be sure that mating mark on shift lever is to the right of indicating portion of throttle control lever, as shown in Figure 14. This will assure that engine is in neutral when control handle of remote control is in its detent position (neutral).

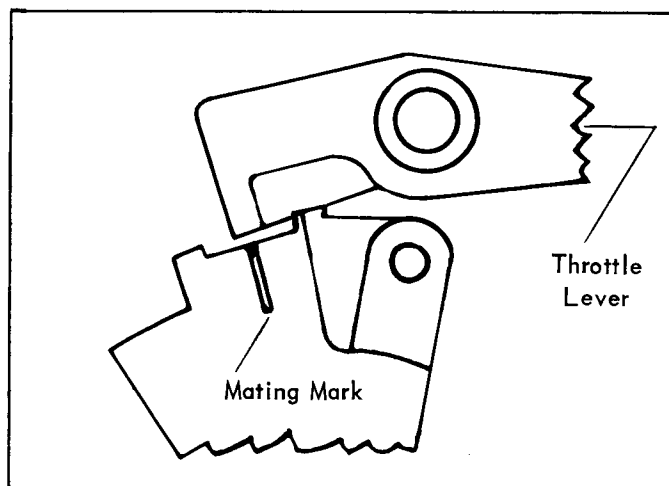


Figure 13. Lever Positions

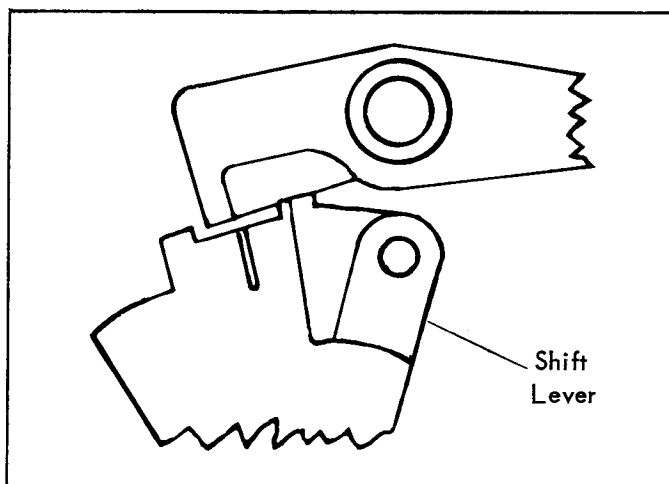


Figure 14. Lever Positions

NOTE: If control cables are not properly adjusted, engine cannot operate satisfactorily.

NOTES

1. All Merc 1000-850 motors and some Merc 800 Full Gear Shift motors are constructed with the new "Power Dome" combustion chamber which allows the spark plugs to run cooler for protection against pre-ignition in leaded-up motors.

If a great deal of slow speed operation with a clean motor results in wet fouling of the spark plugs, we recommend installation of Champion J6J spark plugs for that particular motor.

2. "Power Dome" motors also are very tolerant to carburetor fixed jet size. On the Merc 850 (76 cu. in.)-800, if the standard .069" fixed jet (A-1399-1962) is too rich when operated in a very hot climate, it is permissible to install a jet of a smaller size opening from the chart on right. On Merc 850 (90 cu. in.), if standard fixed jet of .055" (A-1399-1655) is too rich, in very hot climate, install the .053" (A-1399-1653).

On the Merc 1000, if the standard fixed jet (A-1399-1962) of .069" is too rich in very hot climate areas, install the .067" (A-1399-1467) jet.

Engine Model (Power Dome Only)	Jet Sizes for Elevations		
	Up to 4000'	4000- 7000'	7000- 10000'
Merc 1000	.069"	.067"	.065"
Merc 850 (90 Cu. In.)	.055"	.053"	.051"
Merc 850 (76 Cu. In.)	.069"	.067"	.065"
Merc 800-1	.069"	.067"	.065"

.069" = 1.753mm

.067" = 1.702mm

.065" = 1.651mm

.055" = 1.397mm

.053" = 1.346mm

.051" = 1.295mm