

CIRCULATE
TO:

SERVICE MGR.

PARTS MGR.

MECHANICS

Place in Your
"Service Bulletin"
BinderMERCURY MARINE
FT. WAYNE BRANCH

"SETUP" PROCEDURE - 1978 MERC 1750

(Attach Service Bulletin Sticker to Section 2A Index Page of Your Service Manual.)

The following "Setup" procedure must be used on all 1978 Model Merc 1750 Outboards, Serial No. 4838074 and up:

1. Remove all six spark plugs and insert dial indicator in No. 1 spark plug hole.
2. Turn flywheel clockwise and find TDC and set the dial indicator to 0".
3. Turn the flywheel counterclockwise to approximately .480" BTDC, then clockwise to .462" BTDC (45").
4. Align adjustable timing pointer to .462" mark on flywheel decal.
5. Tighten screws to 20 in. lbs. (23kg-cm).
6. Loosen carburetor linkage screws to allow all throttle shutters to close.
7. Apply pressure to the cam follower arm toward the cam, while raising the bottom carburetor throttle shaft to take up the looseness in the linkage components.
8. Adjust the idle stop screw until the first slash mark on the throttle cam is at the point of contact of the cam follower and centered on the roller. (Figure 1) Tighten the jam nut.
9. While maintaining pressure, tighten the throttle linkage screws.
10. Actuate the throttle/spark arm, then return to the stop position and recheck the alignment of the roller to the slash mark.

IMPORTANT: The throttle shutters must be completely closed when the roller is on the slash mark, and all looseness must be removed from the linkage.

11. At this point, adjust the screw between the throttle and spark arms to obtain 14" ATDC timing while cranking engine over with the starter motor.
12. Crank engine over with the starter motor and adjust the maximum spark advance screw to align the 20" mark on the flywheel with the timing pointer.

NOTE: Due to the advance characteristic of this ignition system, ignition timing will automatically reduce to 18° BTDC at 5500 RPM. Tighten the Locknut.

13. Advance throttle arm to wide open throttle and adjust throttle stop screw to allow full carburetor shutter opening with sufficient clearance to prevent throttle linkage from binding. Tighten locknut.

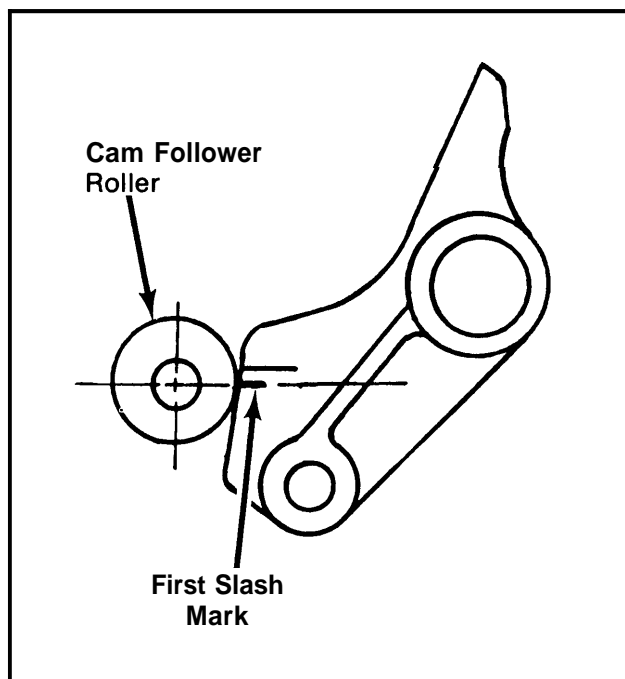


Figure 1. Throttle Cam Contacting Cam Follower

(OVER)

14. With the throttle cable removed from the throttle lever and the anchor bracket, adjust the idle stop screw to obtain the desired "in gear" engine speed (550-650RPM @ 14° ATDC) with the screw firmly against the stop. Tighten the locknut.
15. Rotate the adjustment barrel on the throttle cable in order to get a very light preload of the throttle arm against the idle stop with the cable installed. (Excessive preload on the throttle cable will cause difficulty when shifting from forward to neutral.)

This "Setup" procedure DOES NOT APPLY to any other V-6 Model. Information will be printed for the Outboard Service Manual as soon as possible.