

# DIAL-A-MATIC SHIFT OPERATING INSTRUCTIONS

Outboards equipped with "Dial-A-Matic" shift provide control of your outboard for forward, neutral, and pivot reverse. Engagement and disengagement of the propeller is controlled by shift knobs located on the front and rear of the lower power head cover.

Another feature of "Dial-A-Matic" shift outboards is an automatic throttle lever lockout that prohibits advancement of the throttle lever to faster speeds, if the shift knob is in the neutral position. This prevents excessive power head speed when the propeller is not engaged.

## OPERATING INSTRUCTIONS

### A. Starting Outboards Equipped with "Dial-A-Matic" Shift.

1. Place shift knob in the neutral position. Shift knob will not move to neutral unless the throttle lever is retarded to less than the "Start" position.
2. Advance throttle lever to "Start" position. Throttle lever will not advance beyond "Starting" power head speed because the automatic lockout feature engaged when the shift knob was moved to neutral. Do not try to force throttle lever to "Fast" position when shift knob is in neutral.
3. Follow standard starting instructions as stated on the front of your outboard.
4. After outboard is started, return the throttle lever to "trolling" position. You are now ready to move shift lever to the "In Gear" position.

### B. Shifting to "In Gear".

In order to move shift knob from "Neutral" to "In Gear" or from "In Gear" to "Neutral" the throttle lever must always be retarded to less than the "Start" position.

The automatic throttle lever lockout feature will not permit shifting unless the throttle lever is in the lower speed range positions.

Do not try to force movement of the shift knob until the throttle lever is retarded to the proper position.

### C. Reverse Drive.

The following sequence is the proper procedure for reverse drive.

1. With shift knob in the neutral position and the throttle lever in the lower speed range position, pivot outboard with carrying handle 180° counter clockwise. Remote gas tank fuel line must be free to follow the 180° rotation.
2. Move rear shift knob to "Drive" position to engage propeller.
3. After your boat has backed up to the desired location, move rear shift knob to the neutral position and pivot outboard 180° clockwise, with carrying handle, to original forward position.
4. Move front shift knob to the "In Gear" position, advance throttle lever to faster speed, and propel boat to desired location.

## IMPORTANT!

Remember — "Dial-A-Matic" shift knob position should not be altered until throttle lever is retarded to the lower speedrange positions.

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## **IMPORTANT - READ VERY CAREFULLY**

Do not shut off outboard before shifting to Neutral, as clutch engagement mechanism will occasionally stop in perfect alignment and you will be unable to shift to neutral for starting.

If you do shut off the outboard with shift knob in the "In Gear" position, the following procedure will move the clutch engagement mechanism from perfect alignment:

1. Move throttle control lever to positive stop position.
2. Pull starter handle 6 to 8 inches toward you.
3. Move shift knob to "Neutral" position.
4. Follow standard procedure for starting.

**REMEMBER** — Do not force shift knob as it will move to desired positions with light finger pressure. If you encounter difficulty, read all instructions thoroughly.