

# How to Work This 2 Stroke Engine (While the 4 Stroke is Being Repaired)

## **USING OUTBOARD MOTOR:**

This is how you should find the motor. See Photo 1



Photo 1



Photo 2

1. To lower the prop into the water, pivot the engine to its vertical position by lifting the motor toward you until the slide bar has reached the top. The slide bar pin will be well above the red paint on the slide bar. Photo 2.
2. Then lower motor until propeller shaft is vertical.



Photo 3



Photo 4

#### START THE MOTOR:

3. Attach the fuel line to the motor, at the connecting port on right side (green circle in Photo 3 and line attached in Photo 4). **Be careful to get the GUIDE PIN in the GUIDE HOLE.** Listen for the “click.” If no “click,” you may have the plug reversed.
4. Squeeze fuel bulb until it feels like an orange.
5. Pull the choke out (red circle in Photo 4), for first start of the day or if engine is cold.  
**If engine is warm, do not use choke.**



“Neutral” should be lined up with “nub.” This photo currently shows throttle in “F” for forward.

Photo 5

6. Put the throttle into the neutral position. Photo 5.
7. Pull the starter cord slowly until you feel the starter engage, then pull hard and fast to crank the engine. Maintain a tight grip on the starter cord handle. Allow the rope to return slowly. Repeat (a few times) until motor starts.
8. Once motor is running allow engine to warm up.
9. Check to make sure **motor is pumping water out of the back of the motor**. IF NOT, SHUT MOTOR OFF AND CALL THE OFFICE.

If engine doesn't start, it could be because 1) the **stop toggle** on left side of motor is in "off" position, 2) fuel line plug is not connected properly 3) choke is out and engine is warm, repeated pulling can cause carburetor to flood further. If engine floods, push in the choke knob. Wait a while (this can be as much as 30 minutes for carburetor to clear of excess fuel), then continue to crank engine for starting.

**Gear Shifting while Underway:** The outboard has three gear shift position on the throttle arm: Forward, Neutral, and Reverse. Reduce the throttle speed to idle speed before shifting gears. Always shift the outboard into gear with a quick motion.

STOP THE MOTOR:

Press red button on end of throttle arm/motor gear.

LET MOTOR RUN OUT OF FUEL:

When you return to the dock, do not turn off the motor. Rather, let it run out of fuel by removing fuel line.

Once the fuel has run out, it is time to raise the motor.

Use handle on motor bracket to raise motor until pin lines up with green tape. See Photo 7.

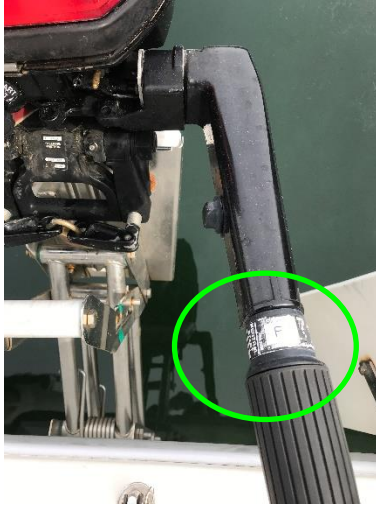


Photo 6

To tilt the motor, put the throttle in forward gear - "F." See Photo 6.



Photo 7

Using the hand hold on top of the motor, tilt the motor toward you until the red on the tilt bar slide goes just above the red marks on the tilt slide until you hear one click. Then lower until motor stops – the red marks should line up. See Photo 7.