

INSTRUCTIONS FOR SAFETY BOAT & OUTBOARD ENGINE

Engine / Raft info: Johnson 4 horsepower outboard / 1981 model year (old engine, be careful!!)
2 cycle (oil mixed into gasoline 50:50 ratio)
Model # J4BRIC, Serial # E5382642
Raft – 2016 Mercury 380 HD raft, Hypalon fabric

Note you must be at least 18 years of age to operate the safety boat

1. Unlock raft and put in water, front end (bow) on the beach....note, raft weighs 250 lbs, may take 4 people to launch
2. Engine stored in shed near beach, carry to the boat in upright position, weighs 40 - 50 lbs.
3. Place engine on back (stern) of the raft, (this is easier if you are standing in the water behind the raft), the screw clamps go over the black plastic section on the rear of the raft, center the engine on the black plastic section....screw the two clamps firmly to the plastic to hold the engine onto the raft....**do not drop the engine in the water !!**
4. Note, you may need to tilt the engine (it is hinged like the hood of a car) so that the bottom of the engine shaft is not dragging on the bottom of the lake....the water near the beach is shallow, so if necessary, have one of the volunteers hold the front of the raft at the shore while the rear of the raft is out in deeper water....**do not try to start / run the engine if the bottom of the engine shaft is dragging the bottom of the lake....it will damage the propeller !! Also, DO NOT LET GASOLINE DRIP ON THE RAFT !!!**
5. Check the gas first....unscrew gas cap on top of the engine, gas level should be about 1" below the top of the opening where the gas cap screws on...if engine needs gas, use the larger of the two red gas cans to fill it up...note this is a gas / oil mixture for 2-cycle engine
6. After the gas cap is screwed on tightly, turn the gas cap vent (marked with a silver "V") counter clockwise (to the left) until it stops...this opens the gas tank vent
7. Push the horizontal orange lever on the engine to the "START" position
8. Gently pull out the choke on front of the engine...it is a black knob with a green tab on it
9. Turn the choke knob counter clockwise (to the left) so the green tab on the choke knob is pointing down & to the left, this opens the fuel valve....**don't move the idle mixture knob**
10. Check the bright orange lever on the left side below the engine cover...this is the gearshift lever....it should be pointing straight up, this is the neutral position
11. Pull the black starter handle (just like a lawn mower) firmly to start the engine....you may need to do this 2 – 3 times
12. When the engine starts, gently / slowly push in the choke knob until it stops
13. Let the engine warm up for 30 – 60 seconds
14. Before you go, make sure you have the following in the boat with you:
 - > Small red plastic gas can
 - > Square "Type IV" throwable cushion
 - > Kayak paddle (in case the boat runs out of gas, also for pushing the boat)
 - > Fire extinguisher (should be mounted in raft on right side)
 - > Safety air horn
 - > Plastic milk carton with top cut out for bailing kayaks
 - > throw rope
 - > towing line
15. Have a volunteer push you out from the beach before you shift the engine into drive
16. Push the orange horizontal lever on the front of the engine to the "Shift" position
17. Push the bright orange lever on the left side below the engine cover forward, this shifts the engine into drive
18. Push the orange horizontal lever on the front of the engine to the right to increase speed
19. Steer with the long handle on the right side of the engine, make **very wide / slow turns**

When you return to beach, reverse all steps above to turn off and store the engine

ASC Safety Boat Outboard Starting Instructions...updated May 25, 2020