

Small Boat Troubleshooting Guide

Engine will not turn over (i.e. nothing happens when you turn the key)

- Ensure battery switch is turned on (“1”, “2” or “all”).
- Ensure shift lever is in neutral.
- Ensure battery cables are tightly connected to the battery(s).
- Ensure kill switch lanyard is connected to the key switch.
- Remove cowling and check for blown fuse (see diagram below). Before removing cowling, ensure engine is OFF.

Engine cranks (turns over) but will not start:

Note: if engine turns over freely but does not start within a few revolutions, there is a fuel delivery and/or spark delivery problem. Do NOT continue to engage the starter. You will only wear out the batteries and the starter.

- Ensure adequate supply of fuel is in tank. YOU are responsible to ensure enough fuel is onboard for your needs. Do not contact Marine Ops if you fail to plan accordingly.
- Ensure tank vent (located on fuel tank cap) is open.
- While holding vertically, squeeze primer bulb until firm (do not over squeeze). If bulb does not become firm, ensure that fuel line connector is firmly engaged with the fuel tank.
- Remove cowling and check for blown fuse (see diagram below). Before removing cowling, ensure engine is OFF.

Alarm sounds while engine is running

This indicates a problem with the engine most likely due to low oil or an overheat condition. Depending on the severity of the problem, the engine may slow to a low rpm or shut off in order to prevent further damage.

- Shut engine off, trim engine out of water and check for obstructions on the cooling water intakes (just forward and slightly above the propeller on the nose cone of the lower unit).
- Remove engine cowling and ensure adequate oil supply in tank. Before removing engine cowling, ensure engine is OFF. If oil supply is low, refill with spare oil located onboard.
Note: Evinrude XD-100 oil is the **ONLY** oil that may be used. Use of any other oil can cause serious damage to the engine. If there is no spare oil onboard, Evinrude XD-100 oil may be purchased from any Evinrude dealer. Local dealers include the following:

- Boathouse Discount Marine: 321-254-2535; 557 North Harbor City Blvd, Melbourne, FL 32935
- Eau Gallie Marine: 321-259-3632; 1717 Aurora Road, Melbourne, FL 32935

Marine Ops will reimburse you for oil expenses but you **MUST** remit your receipt at your earliest opportunity.

If troubleshooting fails to solve your problem

Move boat to a safe location, deploy anchor and contact marine operations at 321-432-5875 or Florida Tech Security at 321-674-8111.