

# Sea Nymph Pike Attack 14' – Basic Operation Manual

With Honda 20 HP Tiller Steer (Electric Start + Power Trim)

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## 1. General Information

**Boat:** Sea Nymph Pike Attack – 14' aluminum V-hull fishing boat

**Engine:** Honda 20 HP 4-stroke tiller steer (electric start & power trim)

**Fuel Capacity:** ~6 gal portable tank (varies by setup)

**Max Capacity:** 4 persons or ~800 lbs (check your Coast Guard plate)

**Recommended Fuel:** Unleaded gasoline, 91 octane minimum

**Oil Type:** SAE 10W-30 (API SJ or later)

**Battery:** 12 V Marine starting battery

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## 2. Pre-Operation Checklist (Before Launch)

### Boat & Safety

- Drain plug installed
- Life jackets (1 per person) and throwable device onboard
- Fire extinguisher, horn/whistle, navigation lights
- Check hull for cracks, dents, or loose rivets
- Oars or paddle, anchor & rope, dock lines aboard
- Battery charged and securely mounted
- Fuel tank full, vent open, and connected


### Engine

- Check engine oil level
- Check propeller for damage and ensure nut is tight
- Inspect fuel line & primer bulb for leaks or cracks
- Verify kill-switch lanyard is attached and functional
- Ensure gearshift is in **neutral** before starting
- Check steering handle and throttle move freely

-  Make sure power-trim switch operates properly
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### 3. Starting Procedure

1. Trim motor **fully down** (for easier starting).
2. Connect fuel line and squeeze primer bulb until firm.
3. Attach **safety lanyard** to your wrist or life jacket.
4. Turn ignition key to the “ON” position.
5. If engine is cold, pull out **choke knob**.
6. Turn key to “START” until engine fires (release immediately once started).
7. Push choke back in gradually as engine warms (30–60 seconds).
8. Verify **steady water stream** from cooling outlet (“pee hole”).

 **If no water stream:** shut off engine immediately and inspect for blockages.

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### 4. Operating the Boat

#### Shifting & Throttle

- **Forward gear:** twist throttle grip slowly to accelerate.
- **Neutral:** idle only; propeller not turning.
- **Reverse:** pull gearshift lever back slowly — **never shift at high RPM.**

#### Trim Adjustment

- Use **power-trim switch** on tiller:
  - **Trim down:** improves acceleration & stability.
  - **Trim up:** increases top speed and reduces drag in calm water.
- Adjust gradually while underway until the boat rides level.

#### Cruising Tips

- Balance weight evenly—too much weight aft causes bow rise.
  - Ideal cruising RPM:  $\frac{3}{4}$  throttle for best fuel economy.
  - Avoid sharp turns at high speed; keep passengers seated.
  - Watch for submerged obstacles and shallow areas.
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### 5. Stopping & Docking

1. Bring throttle to idle and shift to **neutral**.
  2. Allow engine to idle for 30 seconds to cool.
  3. Press **power trim up** to raise motor partially before shutting off.
  4. Turn key to “OFF” and disconnect kill switch lanyard.
  5. Close fuel tank vent and disconnect fuel line if trailering.
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## 6. After-Use & Trailering

- Drain any water from bilge or floor.
  - Remove drain plug **after trailering** out of water.
  - Rinse engine with fresh water if used in dirty or brackish water.
  - Disconnect and store fuel tank securely.
  - Trim motor fully **down** for transport support.
  - Inspect prop, skeg, and transom mounts.
  - Cover boat for storage or towing.
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## 7. Routine Maintenance Schedule

Interval	Task
<b>Before each use</b>	Check oil, fuel, propeller, kill switch, and controls
<b>Every 20 hrs / Monthly</b>	Inspect spark plug, fuel filter, and battery
<b>Every 50 hrs / Season</b>	Change engine oil & filter, gear oil in lower unit
<b>Every 100 hrs / Annually</b>	Replace spark plugs, inspect water pump impeller
<b>End of season</b>	Stabilize fuel, fog engine, change oils, remove battery for storage

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## 8. Winterizing & Storage

1. Fill tank with stabilized fuel or drain completely.
  2. Run engine for 5 minutes to circulate stabilizer.
  3. Fog cylinders (spray fogging oil into intake while running).
  4. Drain and refill engine and gear oils.
  5. Grease prop shaft and steering linkage.
  6. Remove battery and store in warm, dry place on trickle charger.
  7. Store motor vertically or on an approved stand.
  8. Cover boat and motor securely.
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## 9. Troubleshooting (Quick Reference)

Issue	Likely Cause	Solution
Engine won't start	Kill switch off, fuel line disconnected, weak battery	Check all connections, recharge battery
No water from tell-tale	Blocked intake or failed impeller	Stop immediately, clear blockage, service impeller
Engine sputters	Water in fuel or dirty plugs	Drain carb bowl, replace plugs
Hard steering	Corrosion or tight linkage	Clean and grease tiller pivot & swivel bracket
Trim not working	Low battery or bad fuse	Check charge, fuses, wiring

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## 10. Safety Reminders

- Always attach your **kill-switch lanyard** when operating.
  - Never exceed weight or HP rating on the Coast Guard plate.
  - Keep at least one throwable PFD and signaling device onboard.
  - Never run engine out of water.
  - Use a proper support bracket when trailering with the motor tilted up.
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## 11. Reference Resources

- **Honda Marine Owner's Manuals:** <https://marine.honda.com/support/manuals/outboard>
- **Sea Nymph Boat Info (archived):** <https://www.tritonboats.com/> (Sea Nymph brand later merged into Lowe/Triton lines)
- **Boating Safety Course:** <https://www.boatus.org/free/>