

T2

OWNER'S MANUAL



Congratulations on the purchase of your 2hp Outboard Motor
GENERAL INFORMATION(Refer to Diagrams 1 through 4 and specifications chart)
Thank you for choosing our Outboard Motor

This Outboard Owner's Manual contains information required for proper operation, maintenance and care.

If you have any questions about the operation or maintenance of your Outboard Motor, please consult our company.

Read this outboard motor owner's manual carefully and completely and understand all the information before operating your Outboard Motor.

SAFETY INFORMATION

1. Before installing or operating your outboard motor, read this entire manual. Reading it should give you a good understanding of your Outboard Motor and its operation.
2. Do not over power your boat with your outboard motor. Overpowering the boat could result in loss of control.

The rated power of the outboard should be equal to or less than the rated horsepower capacity of the boat.

If the rated horsepower capacity of the boat is unknown, consult boat dealer or manufacturer prior to operation.

3. Do not modify the outboard. Modifications could render the motor unfit or unsafe for use.
4. Never operate after drinking alcohol or while under the influence of intoxicating drugs .
Approximately 50% of all boating fatalities involve some form of intoxication.
5. Every occupant on board should have (and wear) an approved personal flotation device (PFD).
6. Gasoline is highly flammable and its vapors are flammable and explosive. Handle and store gasoline carefully. Make sure there are no gas fumes or leaking fuel before starting the engine.
7. This product emits exhaust fumes, which contain carbon monoxide, a colorless, odorless gas, which may cause brain damage or death when inhaled. Symptoms may include: nausea, dizziness and drowsiness. Use your outboard in well ventilated areas and avoid blocking exhaust outlets.
8. Check your throttle, shift and steering for proper operation before starting your engine. Regularly check fuel lines and connections for leaks.
9. Keep hands and other body parts clear of propeller and other moving engine parts. Do not operate engine with engine cowlings removed.
10. Know the marine laws where you will be boating and obey them.
11. Stay informed about the weather. Check weather forecast before boating. Avoid boating in hazardous weather.
12. Tell someone where you are going. Leave a float plan with a responsible person.
13. Use common sense and good judgement when boating and operating your outboard motor.
Always operate at safe speeds and keep a careful watch for obstacles and other traffic.
14. Always carefully watch for swimmers when operating your Outboard. Stay away from swimming areas. When a swimmer is in the water nearby, shut off your engine.

FUELING INSTRUCTIONS

Gasoline and its vapors are highly flammable and explosive.

1. Do not smoke when refuelling and keep away from sparks, flames and other sources of ignition.
2. Shut off your Outboard Engine before refuelling.
3. Use unleaded gasoline only. Use low smoke 2 stroke engine oil.
4. The add mixture for gas and oil ratio,for this outboard under normal usage,should be 25:1.

Mixing Steps: Recommended engine oil is 2 cycle engine oil formulated for air cooled engines or an oil such as Havoline 2 cycle engine oil TC-W3, which is designed for both water and air cooled engines. (1) Pour oil into provided fuel mixing canister .(2) Pour gasoline into provided fuel mixing canister. (3) Mix thoroughly by shaking. (4) Pour gas/oil mixture into fuel tank (See Diagram 1, Figure 1). Please use accuracy when preparing your mixture , do not fluctuate and use provided oil/gas mixing container.

5. Do not overfill your outboard motor gas tank. Use clean, fresh ,unleaded gasoline when preparing your outboard fuel mixture.
6. The add mixture is best when prepared at the time of use and should be shaken well prior to use .

OPERATING INSTRUCTIONS

1. ENGINE STARTING PREPARTION

- 1.1 Ensure your outboard engine is mounted properly and securely to your boat transom prior to use .Improper mounting of your outboard motor could create hazards.
 - 1.1(1) Place your Outboard as close to the center of your boat transom as possible.
 - 1.1(2) Tighten the transom clamp screws (Diagram 1, Figure 6) evenly and securely. Check your clamp screws for tightness occasionally.
- 1.2 Press fuel primer bulb (Diagram 2, Figure 5) to move fuel mix to carburetor.
- 1.3 Place choke switch (Diagram 2, Figure 3) in off position (choke closed) (if engine is warm, choke switch in on position) (choke open).
- 1.4 During normal engine operation,while running your engine leave choke switch in on position.

2. TO START ENGINE

- 2.1 Pull the recoil starter handle (Diagram 3, Figure 4) gently until resistance is felt. Then vigorously pull the handle straight out to crank the engine to start it . Repeat if necessary.
- 2.2 After your Outboard Motor has started, idle at low speed for 3 to 5 minutes, then gradually adjust (Diagram 1, Figure 4) to the desired acceleration.
- 2.3 Your Outboard Engine is equipped with an easy idle adjustment control knob, conveniently located on throttle cable directly above throttle cable base (Diagram 1, Figure 4).

3. REVERSE

Turn engine 180 degrees while in idling position, then increase to desired acceleration.

4. TO STOP OR SHUT DOWN ENGINE

- 4.1 Before shutting down your Outboard, let the engine return to lowest idle speed for two minutes to cool, then press engine stop button (Diagram 2, Figure 1). Pushing this button opens the ignition current and stops the engine.

4.2 When your outboard motor is cool and not in use, or stored outside, use a Outboard Engine cover to protect your outboard motor.

5. BREAKING IN YOUR OUTBOARD

5.1 The break in period for your Outboard Motor is four hours. During this time make sure.
BREAKING IN YOUR OUTBOARD

5.2 The break in period for your Outboard Motor is four hours. During this time make sure your fuel/oil add mixture is a minimum of 20:1 (20 parts gasoline to 1 part oil).

5.3 Do not operate your engine under constant speeds during this time and do not run at full speed for more than ten minutes at a time. Fluctuate your speeds.

6. CRUISING IN SHALLOW WATER

6.1 Your Outboard motor can be tilted up (Dia 4) to allow operation in shallow water.

6.2 Run your Outboard at the lowest possible speed while using shallow water cruising system.
CAUTION: If operator hits underwater obstacle, propeller could lift out of water resulting in loss of control.

6.3 Place your outboard to its normal position as soon as your boat is in deeper water.

7. TILT TRIM ANGLE ADJUSTING

7.1 Trim angle adjusting rod (Diagram 3 Figure 7) can be adjusted to determine the angle of the outboard motor in relation to the boat transom. This outboard is equipped with a tilt support fitting pin (Diagram 1 Figure 9) to support outboard in upright position while not in operation.

8. CRUISING

8.1 When operating your Outboard, at full speed, find your critical throttle control position (Diagram 1, Figure 4). Holding throttle control at 100% maximum may not necessarily further increase speed and may decrease fuel economy. Try holding your throttle control lever at 80% or 90% maximum for most effective performance.

9. MAINTENANCE

9.1 Regularly check for loose nuts or bolts. Regularly check fuel line connections and check for fuel or air leaks. After each eight hours of operation, rinse air cleaner (Diagram 2, Figure 4) with gasoline.

9.2 After each salt water use and the engine is shut off, wash the exterior of your outboard motor thoroughly with a damp cloth and rinse engine leg with fresh water. Flush fresh water through your outboard motor leg and engine water cooling system. Do not allow water to pass exhaust port and enter air cylinder-engine damage may occur. Do not place engine on its side.

9.3 Always store your engine in a well ventilated area. For long term storage you should run your engine and fuel tank completely dry of fuel.

9.4 Regularly use water and corrosion resistant grease to reduce friction and wear on your outboard motor parts below bottom of crawling level. Also, a grease fitting nipple is provided (Diagram 3, Figure 3).

10. CHANGING GEAR OIL

10.1 Gear oil should be changed every three months with specified gear oil.

10.1(1) Position your outboard so that gear oil drain screw (located near propeller) is in lowest point possible. Remove drain screw (lower screw) and remove oil level plug (upper screw) and drain gear oil completely into suitable container.

10.1(2) Insert and tighten drain screw. With outboard in vertical position, inject the gear oil into oil level plug hole.

10.1(3) When full, insert and tighten oil level plug.

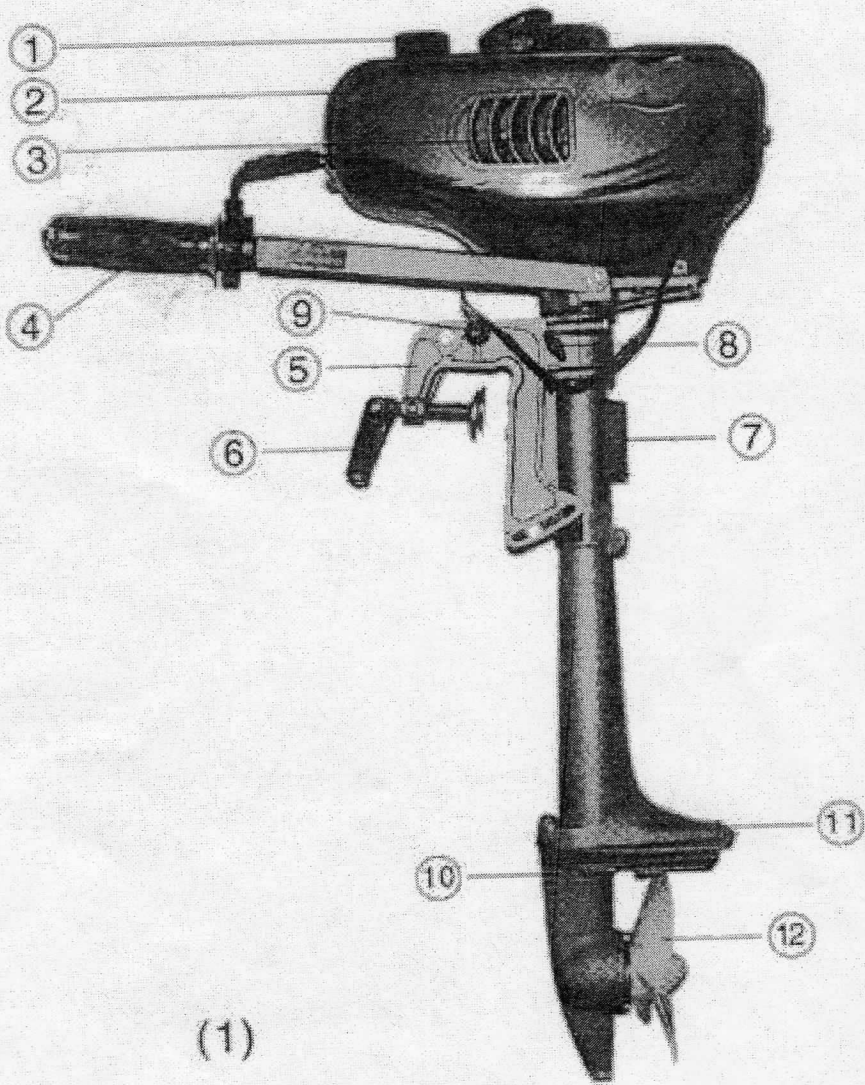
11. TROUBLE SHOOTING

11.1 For trouble shooting instructions refer to Outboard Trouble Shooting tips. Contact your dealer or download from website.

SPECIFICATION

Overall length	92cm
Overall width	36.5cm
Overall height	22cm
Transom height	4.2cm
Weight	9.7KG
Full throttle operating range	4000-5000r/min
Maximum output	1.5kw(2HP)
Speed	20km/h(two people)
Type	2 stroke
Ignition system	CDI System
Starting system	Manual start
Starting carburetion system	Choke start
Propeller mark	7-1/4*5-A(inch)
The engine and the prppeller gear ratio	2:1
Recommended fuel	Regular unleaded gasoline
Fuel to oil ratio	25:1
Gear ratio	27/13

Outboard Motors

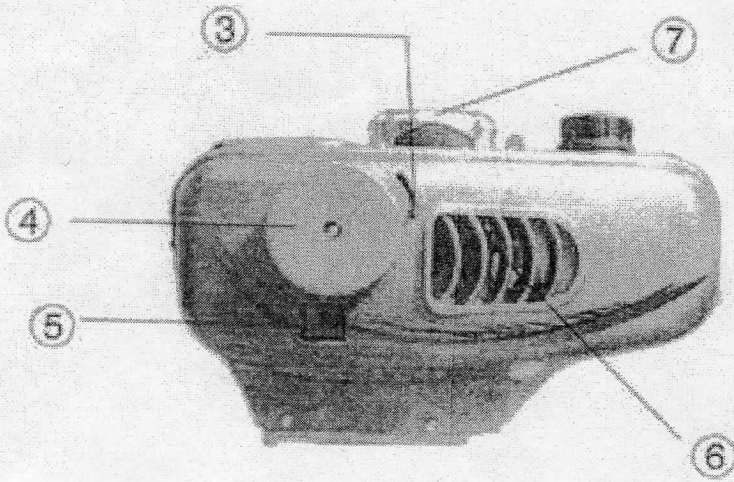
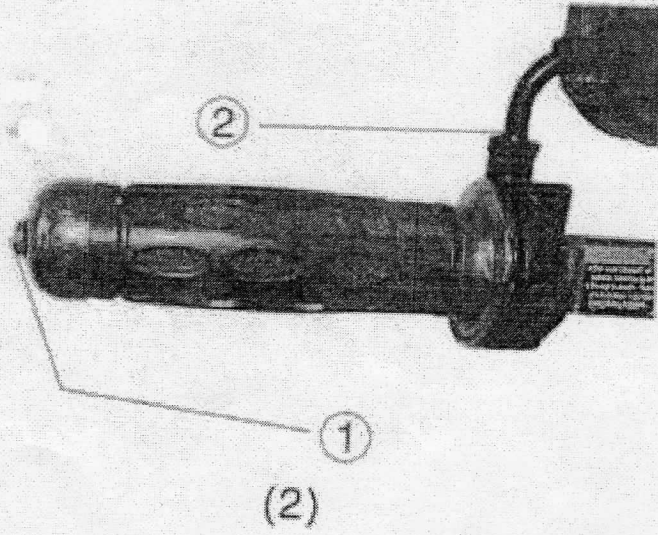


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DIAGRAM 1

1. Fuel Tank cap
2. Right Cowling
3. Right Air Outlet
4. Tiller Handle, Throttle control Lever
5. Clamp Bracket
6. Transom Clamp Handle
7. Silencing Drainage Cover
8. Tiller Attrition Adjusting Knob
9. Tilt Support Fitting Pin
10. Cooling Inlet
11. Anti-Cavitation Plate
12. propeller

Outboard Motors



1 Engine stop button 2.Throttle cable base 3.Choke Knob 4.Air Cleaner
5 Fuel Mix Primer Bulb 6. Left Air Outlet 7.Starter