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PARSUN F6ABMS-DC

PARSUN 6 HP F6ABMS-DC Short Shaft Outboard Motor User Manual

Model: F6ABMS-DC | Horsepower: 6 HP | Shaft Type: Short Shaft

1. Important Safety Information

Read this manual thoroughly before operating your PARSUN outboard motor. Failure to follow instructions can result in serious injury or property damage. Keep this manual in a safe place for future reference.

- **Fuel Handling:** Always handle fuel in a well-ventilated area. Turn off the engine and allow it to cool before refueling. Do not smoke or use open flames near fuel.
- **Ventilation:** Ensure adequate ventilation when operating the engine, especially in enclosed spaces, to prevent carbon monoxide poisoning.
- **Propeller Safety:** Keep hands, feet, and clothing clear of the propeller when the engine is running or being started. Always turn off the engine before approaching the propeller.
- **Emergency Stop:** Always attach the emergency stop lanyard to the operator's clothing or wrist. This will stop the engine if the operator falls overboard.
- **Maintenance:** Perform all maintenance as described in this manual. Use only genuine PARSUN parts or approved equivalents.

2. Setup and Installation

2.1 Unpacking and Inspection

Carefully remove the outboard motor from its packaging. Inspect for any signs of shipping damage. Report any damage to your dealer immediately.

2.2 Mounting the Outboard Motor

1. Position the outboard motor on the boat's transom, ensuring the anti-cavitation plate is level with or slightly below the boat's hull bottom.
2. Tighten the transom clamp screws securely. Ensure the motor is firmly attached to prevent it from falling off during operation.
3. For optimal performance, the propeller should be submerged at the correct depth. Adjust the transom height if necessary.

2.3 Fuel System Connection

- Connect the fuel line from the external fuel tank to the fuel connector on the outboard motor. Ensure a secure connection.
- Open the air vent screw on the fuel tank cap.
- Squeeze the primer bulb on the fuel line until it becomes firm, indicating that fuel has reached the carburetor.

2.4 Engine Oil (4-Stroke)

This 4-stroke engine requires engine oil. Before first use, or after an oil change, ensure the oil level is between the upper and lower marks on the dipstick. Use recommended 4-stroke marine engine oil (e.g., SAE 10W-30 or 10W-40).

2.5 Gear Oil

Check the gear oil level before initial use. The gear oil level should be at the lower vent screw. Refer to the maintenance section for checking and filling procedures.

3. Operating Instructions

3.1 Pre-Operation Checks

- Check fuel level and ensure fuel line is securely connected.
- Verify engine oil level (for 4-stroke).
- Check gear oil level.
- Inspect propeller for damage and ensure it is clear of obstructions.
- Attach the emergency stop lanyard.

3.2 Starting the Engine

1. Place the gear shift lever in the**Neutral (N)** position.
2. For a **cold engine**, pull the choke knob out fully. For a**warm engine**, the choke may not be necessary.
3. Set the throttle grip to the START position or slightly open.
4. Pull the starter handle slowly until resistance is felt, then pull it firmly and quickly. Do not pull the rope to its full extent.
5. Once the engine starts, gradually push the choke knob in as the engine warms up.
6. Ensure a steady stream of cooling water is discharged from the tell-tale hole. If not, stop the engine immediately and check for blockages.

3.3 Shifting Gears

Always shift gears quickly and decisively. Do not hesitate between positions.

- **Forward (F):** Move the shift lever to the 'F' position.
- **Neutral (N):** Move the shift lever to the 'N' position.
- **Reverse (R):** Move the shift lever to the 'R' position.

3.4 Stopping the Engine

1. Reduce engine speed to idle.

2. Place the gear shift lever in the**Neutral (N)** position.
3. Press the engine stop button or pull the emergency stop lanyard.

4. Maintenance

Regular maintenance is crucial for the longevity and reliable operation of your outboard motor. Refer to the maintenance schedule in your full owner's manual for detailed intervals.

4.1 Daily Checks

- Check engine oil level (4-stroke).
- Inspect fuel line for leaks or damage.
- Check propeller for damage.
- Ensure cooling water tell-tale is clear.

4.2 Engine Oil Change (4-Stroke)

Change engine oil after the first 20 hours of operation, then every 100 hours or annually, whichever comes first. Drain old oil when the engine is warm. Refill with recommended marine 4-stroke engine oil to the correct level.

4.3 Gear Oil Change

Change gear oil every 100 hours or annually. Drain old gear oil from the lower drain screw. Pump new gear oil (marine gear lubricant) into the lower screw until it flows out of the upper vent screw. Replace both screws with new gaskets.

4.4 Spark Plug Inspection/Replacement

Inspect spark plug annually or every 100 hours. Clean or replace if necessary. Ensure correct spark plug gap.

4.5 Flushing the Cooling System

After each use in saltwater, or periodically in freshwater, flush the cooling system with fresh water to prevent corrosion and blockages. Use a flushing attachment connected to a garden hose.

4.6 Storage

For long-term storage, perform the following:

- Drain fuel from the carburetor and fuel tank, or add a fuel stabilizer.
- Change engine oil and gear oil.
- Remove spark plug, add a small amount of engine oil into the cylinder, and rotate the flywheel a few times. Reinstall spark plug.
- Clean and lubricate all moving parts.
- Store the motor in a dry, well-ventilated area in an upright position.

5. Troubleshooting

This section covers common issues and basic solutions. For more complex problems, consult your authorized PARSUN dealer.

5.1 Engine Will Not Start

- **No Fuel:** Check fuel tank level, ensure fuel line is connected, and primer bulb is firm. Open fuel tank vent.
- **Spark Plug:** Inspect spark plug for fouling or damage. Clean or replace.
- **Emergency Stop:** Ensure the emergency stop lanyard is properly attached and the switch is engaged.
- **Choke:** Ensure choke is used correctly for cold starts.

5.2 Engine Runs Poorly or Lacks Power

- **Fuel Quality:** Use fresh, clean fuel.
- **Fuel Filter:** Check and clean/replace fuel filter.
- **Spark Plug:** Inspect spark plug.
- **Propeller:** Check for damage or entanglement.

5.3 Overheating (No Water from Tell-Tale)

- **Water Intake:** Check water intake screen for blockages (weeds, debris).
- **Tell-Tale Hole:** Clear any obstructions from the tell-tale discharge hole.
- **Impeller:** If issues persist, the water pump impeller may need inspection or replacement by a qualified technician.

6. Specifications

Brand: PARSUN

Model: F6ABMS-DC

Maximum Horsepower: 6 HP (Cavalli vapore)

Shaft Type: Short Shaft (Kurzschaft)

Engine Type: 4-Stroke

OEM Part Number: F6ABMS-DC

7. Warranty and Support

Your PARSUN outboard motor is covered by a limited warranty. Please refer to the warranty card included with your purchase for specific terms and conditions. For technical assistance, spare parts, or warranty claims, please contact your authorized PARSUN dealer or the manufacturer's customer support.
Always provide your model number (F6ABMS-DC) and serial number when seeking support.

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