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› Dobest Fuel Filter Assembly User Manual

**Dobest 6D8-24560-00 6D8-24562-00 6D8-24519-00**

# Dobest Fuel Filter Assembly User Manual

For Yamaha 4-stroke Outboard Engines

## PRODUCT OVERVIEW

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This document provides essential information for the installation, operation, and maintenance of the Dobest Fuel Filter Assembly, designed for specific Yamaha 4-stroke outboard engine models. This fuel filter is a critical component for ensuring clean fuel delivery to your engine, protecting sensitive fuel system components from contaminants.



**Figure 1:** Front view of the Dobest Fuel Filter Assembly, showing the clear housing, inlet/outlet ports, and electrical connector.

## SPECIFICATIONS AND COMPATIBILITY

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The Dobest Fuel Filter Assembly is manufactured to meet or exceed original equipment specifications, ensuring high precision and performance.

### Compatible OEM Part Numbers:

- 6D8-24560-00
- 6D8-24560-01
- 6D8-24562-00
- 6D8-WS24B-00
- 6D8-24519-00
- 6D8-24563-00
- 6D8-24469-00

### Compatible Yamaha 4-stroke Outboard Models:

- **Yamaha 90HP F90B:** ETL (2012-2017), ETX (2012-2017), ETL/X (2008-2017)
- **Yamaha 100HP F100D:** ETX (2011-2017), ETL (2010-2017), ETL/X (2007-2017)
- **Yamaha 115HP F115:** (2011-2013), TL/XR (2006-2011)

## General Product Specifications:

- **Brand:** Dobest
- **Product Grade:** Performance Part
- **Vehicle Service Type:** Watercraft
- **Style:** In-Line
- **Manufacturer Part Number:** 6D8-24560-00, 6D8-24562-00, 6D8-24519-00

## SETUP AND INSTALLATION

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Proper installation is crucial for the performance and longevity of your fuel filter. Always ensure the engine is off and cool before beginning any work on the fuel system. Exercise caution when handling fuel.

### Required Tools:

- Appropriate wrenches for fuel line fittings
- Container for draining old fuel
- Shop rags or absorbent pads
- Safety glasses and gloves

### Installation Steps:

1. **Prepare the Work Area:** Ensure adequate ventilation. Place absorbent pads under the fuel filter area to catch any spilled fuel.
2. **Disconnect Battery:** For safety, disconnect the boat's battery to prevent accidental engine starting.
3. **Locate Existing Fuel Filter:** Identify the current fuel filter assembly on your Yamaha outboard engine.
4. **Relieve Fuel Pressure:** Consult your engine's service manual for the specific procedure to relieve fuel pressure. This often involves disconnecting a fuel line or fuse.
5. **Disconnect Fuel Lines:** Carefully disconnect the inlet and outlet fuel lines from the old filter. Be prepared for some fuel spillage. Cap the lines if possible to prevent further leakage and contamination.
6. **Disconnect Electrical Connector:** Unplug the electrical connector from the old filter assembly.



**Figure 2:** Detail of the electrical connector on the fuel filter assembly.

7. **Remove Old Filter:** Unmount the old fuel filter assembly from its bracket.
8. **Install New Filter:** Mount the new Dobest Fuel Filter Assembly into the existing bracket. Ensure it is securely fastened.



**Figure 3:** Side view of the fuel filter assembly, illustrating the general form factor for mounting.

9. **Connect Fuel Lines:** Reconnect the fuel lines to the new filter, ensuring the correct inlet and outlet connections. Tighten fittings to manufacturer specifications to prevent leaks.



**Figure 4:** Top view of the fuel filter assembly, highlighting the threaded connection point for fuel lines.

10. **Connect Electrical Connector:** Plug in the electrical connector to the new filter assembly.
11. **Prime the Fuel System:** Before starting the engine, prime the fuel system according to your engine's service manual. This typically involves operating the primer bulb until firm or cycling the ignition key.

12. **Check for Leaks:** After priming, visually inspect all connections for any signs of fuel leaks.
13. **Reconnect Battery:** Reconnect the boat's battery.

**Note:** Always refer to your specific Yamaha outboard engine service manual for detailed, model-specific installation instructions and safety precautions.

## OPERATING INSTRUCTIONS

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Once installed, the fuel filter operates passively as part of the engine's fuel delivery system. Its primary function is to remove impurities from the fuel before it reaches the engine's sensitive components.

- **Initial Start-up:** After installation, start the engine and allow it to run for a few minutes. Re-check all fuel line connections for any leaks.
- **Normal Operation:** The filter continuously cleans the fuel during engine operation. No user intervention is required during normal use.
- **Monitoring:** While the filter is designed for long-term performance, pay attention to any changes in engine performance that might indicate a clogged fuel filter (e.g., sputtering, loss of power, difficulty starting).

## MAINTENANCE

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Regular maintenance of your fuel filter is essential to ensure optimal engine performance and prevent costly damage to the fuel system.

### Inspection:

- Periodically inspect the clear housing of the fuel filter for visible contaminants, water, or excessive debris.
- Check the fuel lines and connections around the filter for any signs of leaks, cracks, or wear.



**Figure 5:** Side view of the fuel filter assembly, showing the "6D8" marking on the housing, indicating its OEM compatibility.

### Replacement:

- The fuel filter should be replaced according to the maintenance schedule outlined in your Yamaha outboard engine's service manual. This typically ranges from annually to every 100-200 hours of operation, depending on fuel quality and usage.
- Replace the filter immediately if you observe significant contamination, water, or experience symptoms of a clogged filter.
- Follow the "Setup and Installation" steps in reverse for removal, and then proceed with the installation of the new filter.

## TROUBLESHOOTING

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If you experience issues with your engine's fuel system, the fuel filter can often be a contributing factor. Here are some common symptoms and potential solutions:

Symptom	Possible Cause	Solution
Engine Sputtering or Loss of Power	Clogged fuel filter restricting fuel flow.	Inspect and replace the fuel filter.

Symptom	Possible Cause	Solution
Difficulty Starting Engine	Insufficient fuel delivery due to a restricted filter.	Check fuel filter for clogs; replace if necessary. Ensure fuel system is properly primed.
Engine Stalls at High RPMs	Fuel starvation from a severely clogged filter.	Replace the fuel filter immediately.
Visible Water or Debris in Filter Housing	Contaminated fuel supply.	Replace the fuel filter. Inspect fuel tank and lines for contamination. Consider using a fuel additive to disperse water.
Fuel Leak at Filter Connections	Improperly tightened fittings or damaged O-rings/gaskets.	Tighten connections to specification. Inspect and replace any damaged seals.

If troubleshooting steps do not resolve the issue, consult a qualified marine mechanic or refer to your engine's comprehensive service manual.

## WARRANTY AND SUPPORT

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For specific warranty information regarding your Dobest Fuel Filter Assembly, please refer to the documentation provided with your purchase or contact the manufacturer directly. Dobest is committed to providing high-quality products and customer satisfaction.

If you have questions or require technical assistance, please reach out to the Dobest customer support team through their official channels. Contact information can typically be found on the product packaging or the manufacturer's website.

