SouthMarine 09263-25062

SouthMarine Outboard Engine Bearing Instruction Manual

For Suzuki 40HP-50HP Outboard Motors (DT40, DT40C, DF40, DF50)

Part Numbers: 09263-25062, 09269-25014

1. Introduction

This manual provides essential information for the SouthMarine Outboard Engine Bearing, designed as a replacement component for specific Suzuki outboard motor models. This bearing, identified by part numbers 09263-25062 and 09269-25014, is crucial for the proper function of the engine's transmission system.

2. Product Specifications

- **Part Numbers:** 09263-25062, 09269-25014
- **Size:** 25mm x 42mm x 5mm (Inner Diameter x Outer Diameter x Width)
- **Manufacturer:** SouthMarine
- **Package Dimensions:** Approximately 3.15 x 1.97 x 0.39 inches
- **Weight:** Approximately 1.94 ounces

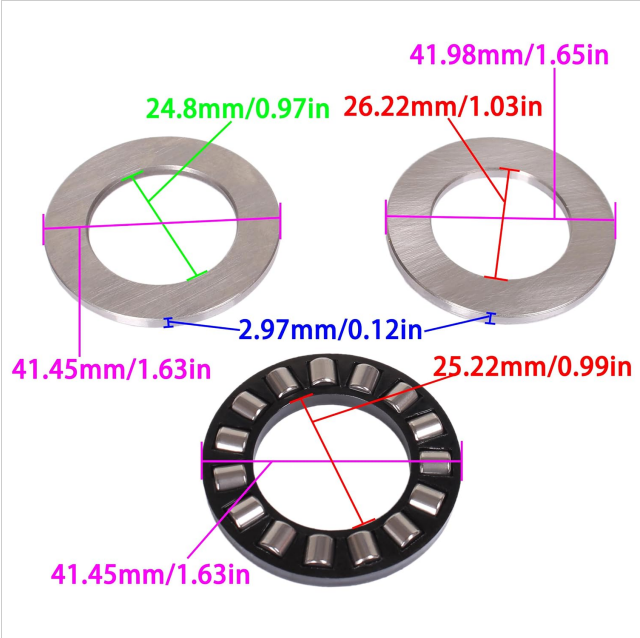


Image 2.1: The bearing components with indicated dimensions for inner diameter, outer diameter, and width.

3. Compatibility

This bearing is compatible with various Suzuki 40HP and 50HP outboard engine models. It is designed to fit the transmission system of the following series:

- Suzuki DT40
- Suzuki DT40C
- Suzuki DF40
- Suzuki DF50

For precise compatibility, it is recommended to cross-reference the part number with your engine's service manual or provide your engine serial number to a qualified marine technician. A detailed list of compatible models and their VIN ranges is available in the product description for reference.

4. What's in the Box

The package typically includes:

- One (1) Outboard Engine Bearing (Part Numbers 09263-25062 / 09269-25014)



Image 4.1: The SouthMarine outboard engine bearing, typically supplied with two washers for installation.

5. Setup and Installation

Installation of this outboard engine bearing requires specialized knowledge and tools. It is strongly recommended that installation be performed by a certified marine mechanic or a qualified professional.

- **Preparation:** Ensure the engine is properly secured and the power is disconnected.
- **Access:** The bearing is located within the engine's transmission assembly. Accessing this component typically involves disassembling parts of the lower unit.
- **Removal:** Carefully remove the old bearing and any associated components, noting their orientation and position.
- **Inspection:** Inspect the surrounding components for wear or damage. Replace any worn parts as necessary.
- **Installation:** Install the new SouthMarine bearing, ensuring correct orientation and proper seating. Use appropriate tools to press the bearing into place without causing damage.
- **Reassembly:** Reassemble the engine components according to the manufacturer's service manual, ensuring all fasteners are torqued to specification.

Refer to your specific Suzuki outboard engine service manual for detailed, step-by-step installation procedures and torque specifications.

6. Operating Principles

The outboard engine bearing functions as a critical component within the transmission system, facilitating smooth rotation and reducing friction between moving parts. Once installed, it operates continuously as part of the engine's internal mechanics, requiring no direct user interaction during engine operation.

7. Maintenance

Proper maintenance of your outboard engine, including its internal components like bearings, is essential for longevity and performance. While this bearing itself is a sealed unit and does not require user-level lubrication, its operational environment is critical.

- **Regular Inspection:** During routine engine servicing, have a qualified technician inspect the transmission assembly for any signs of wear, corrosion, or unusual play.
- **Fluid Checks:** Ensure the transmission fluid (gear oil) is maintained at the correct level and replaced according to

the engine manufacturer's schedule. Contaminated or low fluid levels can significantly impact bearing life.

- **Replacement:** Bearings are wear items. If inspection reveals signs of degradation, replace the bearing promptly to prevent further damage to the transmission or other engine components.

8. Troubleshooting

A failing transmission bearing can manifest in several ways. If you experience any of the following symptoms, it is advisable to have your outboard engine inspected by a professional:

- **Unusual Noises:** Grinding, whining, or humming sounds emanating from the lower unit, especially when the engine is in gear.
- **Vibrations:** Excessive vibrations felt through the boat or tiller handle.
- **Shifting Difficulties:** Hard shifting, slipping out of gear, or general rough operation of the transmission.
- **Overheating:** The lower unit feeling excessively hot to the touch after operation.

Do not attempt to operate the engine with suspected bearing issues, as this can lead to more severe and costly damage.

9. Support and Warranty

For technical assistance, compatibility questions, or inquiries regarding this SouthMarine Outboard Engine Bearing, please contact SouthMarine customer support through their official channels. Specific warranty details for this product are typically provided at the point of purchase or can be obtained directly from SouthMarine.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question