

MERCURY Mercury - Mercruiser 88-11178A01; BREAK

Mercruiser New OEM 50 Amp Circuit Breaker

Models: 88-806950, 88-11178A01

Official User Manual

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Mercruiser New OEM 50 Amp Circuit Breaker. Designed for marine applications, this circuit breaker (models 88-806950, 88-11178A01) is a critical safety device that protects electrical circuits from overcurrent conditions, preventing damage to components and potential hazards. Please read this manual thoroughly before installation and use to ensure safe and efficient operation.

2. SAFETY INFORMATION

WARNING: Electrical work can be dangerous. Always disconnect power before installing, servicing, or removing electrical components. Failure to do so may result in serious injury or death.

- Ensure all electrical connections are secure and properly insulated to prevent short circuits.
- Do not exceed the specified current rating of 50 Amps for this circuit breaker.
- This device is intended for marine use. Ensure it is installed in a location protected from excessive moisture and corrosion, as appropriate for its design.
- If the circuit breaker repeatedly trips, investigate the cause of the overcurrent before resetting. Do not force the breaker to remain closed.
- Consult a qualified marine electrician if you are unsure about any installation or troubleshooting steps.

3. PRODUCT OVERVIEW

The Mercruiser 50 Amp Circuit Breaker is a robust electrical protection device designed for demanding marine environments. It features a manual reset mechanism, allowing for quick restoration of power after an overcurrent event has been resolved. Its panel mount design ensures secure installation within your vessel's electrical system.



Figure 1: Mercruiser New OEM 50 Amp Circuit Breaker (Model 88-11178A01) in its original packaging. The package clearly displays 'QUICKSILVER Marine Parts & Accessories' and the model number '88-11178A01 BREAKER - CIRCUIT'. The circuit breaker itself is visible, along with two mounting bolts, two nuts, two washers, and a black circular label with 'CIRCUIT BREAKER PUSH TO RESET' text.

Key features include:

- **Current Rating:** 50 Amps
- **Circuit Breaker Type:** Standard
- **Mounting Type:** Panel Mount
- **Number of Poles:** 2
- **Reset Mechanism:** Manual push-to-reset button

4. SETUP AND INSTALLATION

Proper installation is crucial for the safe and reliable operation of the circuit breaker. Follow these general guidelines:

1. **Disconnect Power:** Before beginning any installation, ensure all power to the circuit where the breaker will be

installed is completely disconnected.

2. **Select Mounting Location:** Choose a suitable panel mount location that is easily accessible for operation and inspection, and protected from direct water exposure.
3. **Mount the Breaker:** Secure the circuit breaker to the chosen panel using appropriate fasteners. Ensure it is firmly mounted to withstand marine vibrations.
4. **Wire Connections:** Connect the electrical wires to the terminals of the circuit breaker. Ensure correct polarity and secure all connections tightly. Refer to your vessel's wiring diagram for specific circuit connections.
5. **Verify Installation:** Double-check all connections for tightness and proper insulation. Ensure no bare wires are exposed.
6. **Restore Power:** Once installation is complete and verified, carefully restore power to the circuit.

Note: Specific wiring diagrams for your vessel's electrical system should always be consulted. If in doubt, seek professional assistance.

5. OPERATING INSTRUCTIONS

The Mercruiser 50 Amp Circuit Breaker operates automatically to protect your electrical system. Under normal operating conditions, the breaker will remain in the "ON" position, allowing current to flow.

- **Normal Operation:** When the circuit is functioning correctly, the breaker will be engaged, and power will flow through it.
- **Overcurrent Protection (Tripping):** If an overcurrent condition (e.g., a short circuit or overload) occurs, the circuit breaker will automatically trip, interrupting the flow of electricity to protect the circuit and connected devices. The reset button will typically pop out or move to an "OFF" position.
- **Resetting the Breaker:** To restore power after a trip, first identify and resolve the cause of the overcurrent. Once the issue is addressed, firmly press the "PUSH TO RESET" button on the circuit breaker until it clicks into place, indicating it has reset.

CAUTION: Do not repeatedly reset the circuit breaker without investigating and correcting the cause of the trip. This can lead to damage to the electrical system or create a fire hazard.

6. MAINTENANCE

Regular inspection and basic maintenance will help ensure the longevity and reliable performance of your circuit breaker, especially in a marine environment.

- **Visual Inspection:** Periodically inspect the circuit breaker for any signs of physical damage, corrosion on terminals, or discoloration.
- **Terminal Tightness:** Ensure all electrical connections to the breaker remain tight. Loose connections can cause resistance, heat buildup, and potential failure.
- **Cleaning:** If necessary, gently clean the exterior of the breaker with a dry, soft cloth. Avoid using harsh chemicals or abrasive materials. Ensure no moisture enters the device.
- **Environmental Protection:** Verify that the installation location continues to provide adequate protection from spray, salt, and excessive humidity.

Note: Do not attempt to disassemble the circuit breaker. There are no user-serviceable parts inside.

7. TROUBLESHOOTING

If you experience issues with your circuit breaker, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Breaker trips frequently.	Overload on the circuit, short circuit, faulty appliance/device, or faulty breaker.	Reduce load on the circuit. Inspect wiring and connected devices for shorts or faults. If problem persists after eliminating other causes, the breaker may need replacement.
Breaker will not reset.	Persistent overcurrent/short circuit, or internal damage to the breaker.	Ensure the cause of the trip has been fully resolved. If the breaker still won't reset, it may be damaged and require replacement.
No power to circuit, but breaker is not tripped.	Loose connection, upstream power issue, or internal breaker failure.	Check all connections to the breaker and in the circuit. Verify power supply to the breaker. If all else fails, the breaker may be faulty.

If troubleshooting steps do not resolve the issue, it is recommended to consult a qualified marine technician.

8. SPECIFICATIONS

Detailed specifications for the Mercruiser 50 Amp Circuit Breaker:

- Product Dimensions:** 13 x 2 x 10 inches; 2.65 ounces
- Item Model Number:** Mercury - Mercruiser 88-11178A01; BREAK
- Manufacturer:** Mercury Marine/Mercruiser
- Brand:** MERCURY
- Current Rating:** 50 Amps
- Circuit Breaker Type:** Standard
- Mounting Type:** Panel Mount
- Number Of Poles:** 2
- ASIN:** B07GD4335W


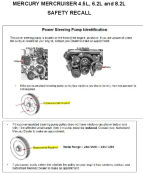

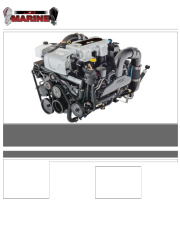


9. WARRANTY AND SUPPORT

For information regarding warranty coverage for your Mercruiser New OEM 50 Amp Circuit Breaker, please refer to the documentation provided with your purchase or contact Mercury Marine/Mercruiser directly. Warranty terms and conditions may vary.

For technical support or further assistance, please contact the manufacturer:

Manufacturer: Mercury Marine/Mercruiser

You may also visit the official [MERCURY Store on Amazon](#) for additional product information and resources.

 <p>MERCUISER AND MERCURY RACING (STERNDRIVE) SERVICE MANUAL INDEX</p> <p>This index lists the service manuals for various models of Mercruiser and Mercury Racing sterndrive engines and drives. It includes columns for Model, Year, and Manual Number.</p>	<p>Mercruiser and Mercury Racing Sterndrive Service Manual Index</p> <p>Index of service manuals for Mercruiser and Mercury Racing sterndrive engines and drives, covering various models, part numbers, and years.</p>
 <p>MERCURY MERCUISER 4.5L, 6.2L, 8.2L SAFETY RECALL</p> <p>Power Steering Pump Identification</p> <p>This document provides instructions for identifying the power steering pump on Mercury MerCruiser 4.5L, 6.2L, and 8.2L engines. It includes diagrams and a table of serial numbers.</p>	<p>Mercury MerCruiser 4.5L, 6.2L, 8.2L Safety Recall: Power Steering Pump Identification</p> <p>Safety recall notice for Mercury MerCruiser 4.5L, 6.2L, and 8.2L engines regarding the power steering pump. Provides identification instructions and serial range for replacement.</p>
 <p>Добро пожаловать на борту!</p> <p>Это руководство предназначено для владельцев подвесных двигателей Mercury 25/30 EFI 4-тактный. В нем содержится информация об установке, эксплуатации, техническом обслуживании, гарантии и устранении неисправностей.</p> <p>Важные сведения:</p> <ul style="list-style-type: none">Серийный номер двигателя: 000000-000000Год выпуска: 2000-2009Модель: 25/30 EFI 4-тактныйОбъем двигателя: 2.5 лМощность: 25 л.с.Скорость: 25 км/чМаксимальная глубина погружения: 2.5 мМаксимальная глубина погружения: 2.5 м	<p>Руководство пользователя подвесного двигателя Mercury 25/30 EFI 4-тактный</p> <p>Полное руководство пользователя для подвесных двигателей Mercury 25/30 EFI 4-тактный, охватывающее установку, эксплуатацию, техническое обслуживание, гарантию и устранение неисправностей.</p>
 <p>Mercury MerCruiser 8.2L 380HP Marine Engine Specifications J & B Marine</p> <p>This page provides detailed specifications and features for the Mercury MerCruiser 8.2L 380HP marine engine. It includes information about its performance, systems, and compatibility.</p>	<p>Mercury MerCruiser 8.2L 380HP Marine Engine Specifications J & B Marine</p> <p>Detailed specifications and features for the Mercury MerCruiser 8.2L 380HP marine engine, offered by J & B Marine. Learn about its performance, systems, and compatibility.</p>
 <p>STERNDRIVES & INBOARDS</p> <p>This page showcases the range of Mercury MerCruiser Sterndrives and Inboards, featuring powerful V6 and V8 petrol engines and advanced drive systems designed for optimal performance, efficiency, and reliability on the water. Learn about key features, specifications, and technologies like SeaCore and SmartCraft.</p>	<p>Mercury MerCruiser Sterndrives & Inboards: Engine and Drive Systems</p> <p>Explore the range of Mercury MerCruiser Sterndrives and Inboards, featuring powerful V6 and V8 petrol engines and advanced drive systems designed for optimal performance, efficiency, and reliability on the water. Learn about key features, specifications, and technologies like SeaCore and SmartCraft.</p>
 <p>SmartCraft Connect</p> <p>This FAQ covers features, engine compatibility, hardware choices, installation, app usage (Mercury Marine, SmartCraft Manager), and troubleshooting for Mercury's SmartCraft Connect system.</p>	<p>SmartCraft Connect FAQ: Features, Compatibility, Installation, and App Guide</p> <p>Get answers to your SmartCraft Connect questions. This FAQ covers features, engine compatibility, hardware choices, installation, app usage (Mercury Marine, SmartCraft Manager), and troubleshooting for Mercury's SmartCraft Connect system.</p>