

## M901/MINE-FBA

# Generic Low Oil Warning Module Instruction Manual

Models: 41470A26, 41470A25, 41470A20, 41470A15

**Important: Read this manual thoroughly before installation and operation.**

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Generic Low Oil Warning Module. This module is designed to monitor the oil level in compatible Mercury Mariner V6 outboard engines and alert the operator in case of a low oil condition, helping to prevent engine damage.

## 2. SAFETY INFORMATION

- Always disconnect the battery before performing any electrical work on your engine to prevent electrical shock or damage.
- Ensure the engine is turned off and cooled down before beginning installation.
- If you are unsure about any step, consult a qualified marine technician.
- Wear appropriate personal protective equipment (PPE) such as gloves and eye protection.
- This module is an electrical component. Keep it dry and protected from moisture.

## 3. COMPATIBILITY

This Low Oil Warning Module is compatible with various Mercury Mariner V6 outboard engines, including 135 HP, 150 HP, 175 HP, 200 HP, and 225 HP models. It is a direct replacement for the following part numbers:

- 41470A26
- 41470A25
- 41470A20
- 41470A15

Refer to your engine's service manual or consult a marine professional to confirm compatibility with your specific engine model.

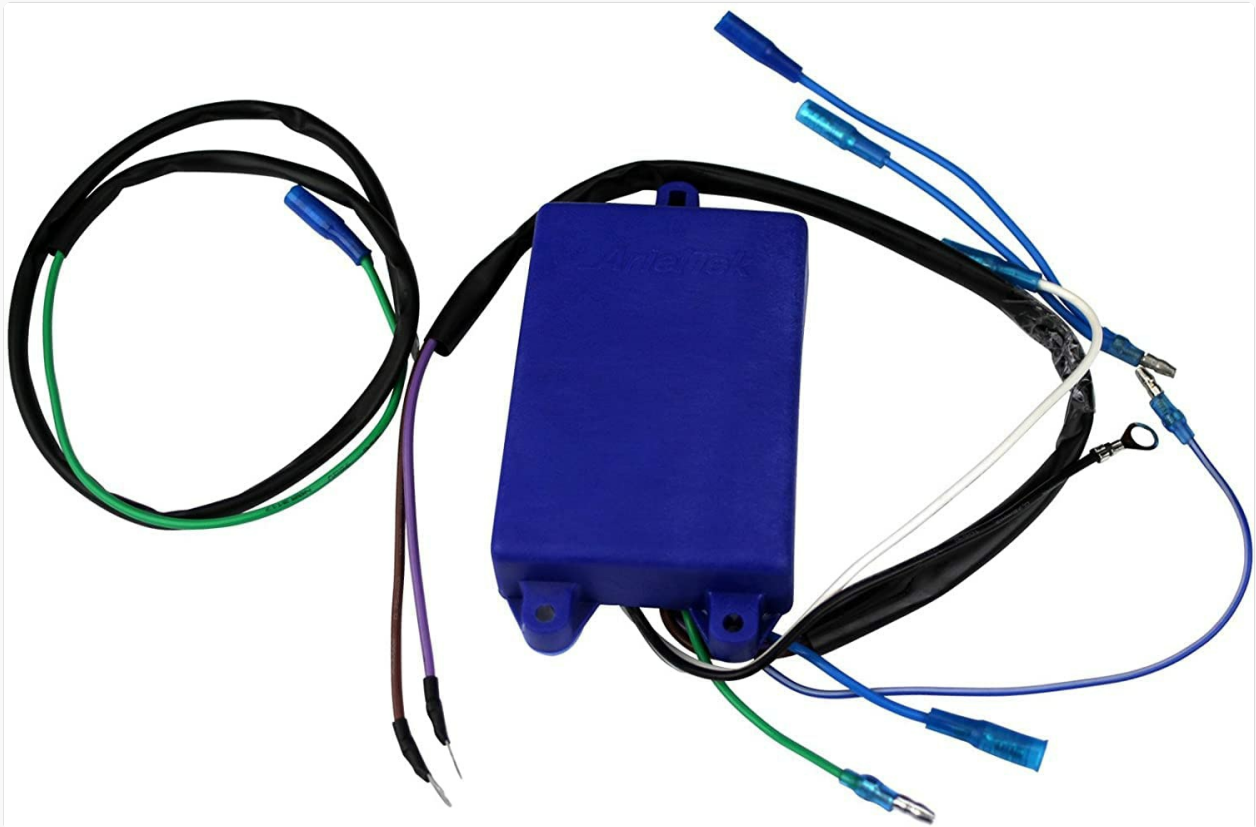
## 4. PACKAGE CONTENTS

- 1 x Generic Low Oil Warning Module (Model M901/MINE-FBA)

## 5. INSTALLATION

Follow these steps carefully for proper installation of the Low Oil Warning Module:

1. **Preparation:** Ensure the engine is off and the battery is disconnected. Locate the existing low oil warning module on your engine. It is typically found near the oil reservoir or within the engine's electrical housing.
2. **Disconnect Old Module:** Carefully disconnect the electrical connectors from the old module. Note the orientation and connection points for reference.
3. **Remove Old Module:** Unmount the old module from its position. This may involve unscrewing fasteners or releasing clips.
4. **Install New Module:** Position the new Generic Low Oil Warning Module in the same location as the old one. Secure it using the original fasteners or clips.
5. **Connect Wiring:** Connect the electrical connectors from the engine harness to the new module. Ensure all connections are secure and correctly oriented. Refer to your engine's wiring diagram if necessary.
6. **Reconnect Battery:** Once the module is securely installed and all connections are made, reconnect the boat's battery.
7. **Test Functionality:** Turn the ignition key to the "ON" position (without starting the engine). The low oil warning light or alarm should activate briefly as part of a self-test, then turn off if the oil level is adequate. If the warning persists, refer to the Troubleshooting section.



*Image: The Generic Low Oil Warning Module, showing its compact design and electrical connectors. This module replaces original equipment part numbers 41470A26, 41470A25, 41470A20, and 41470A15.*

## 6. OPERATING PRINCIPLES

The Low Oil Warning Module continuously monitors the oil level in your outboard engine's oil reservoir. When the oil level drops below a predetermined safe threshold, the module triggers an audible alarm and/or illuminates a warning light on your boat's dashboard. This alert indicates that the engine requires oil replenishment to prevent potential damage from insufficient lubrication. It is crucial to address a low oil warning

immediately by checking and refilling the oil reservoir.

## 7. MAINTENANCE

The Low Oil Warning Module itself is a sealed electronic component and requires no routine maintenance. However, it is important to:

- Regularly check the oil level in your engine's reservoir as part of your pre-operation checklist.
- Keep the module and its connections clean and free from corrosion.
- Ensure all wiring connections remain tight and secure.

## 8. TROUBLESHOOTING

| Problem                                                    | Possible Cause                                                                                                                                                                                | Solution                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Low oil warning persists after engine start or oil refill. | <ul style="list-style-type: none"><li>◦ Actual low oil level.</li><li>◦ Faulty oil level sensor.</li><li>◦ Wiring issue to the module.</li><li>◦ Faulty warning module.</li></ul>             | <ul style="list-style-type: none"><li>◦ Verify oil level manually and refill if necessary.</li><li>◦ Inspect oil level sensor for damage or blockage.</li><li>◦ Check all wiring connections for looseness or corrosion.</li><li>◦ If all else fails, the module may be defective and require replacement.</li></ul> |
| No low oil warning when oil level is low.                  | <ul style="list-style-type: none"><li>◦ Faulty oil level sensor.</li><li>◦ Wiring issue to the module.</li><li>◦ Faulty warning module.</li><li>◦ Warning light/buzzer malfunction.</li></ul> | <ul style="list-style-type: none"><li>◦ Test oil level sensor functionality.</li><li>◦ Inspect wiring for breaks or poor connections.</li><li>◦ Test the warning module (requires specialized tools or a marine technician).</li><li>◦ Check the warning light bulb or buzzer for functionality.</li></ul>           |

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

## 9. SPECIFICATIONS

- **Model Number:** M901/MINE-FBA
- **Compatible OEM Part Numbers:** 41470A26, 41470A25, 41470A20, 41470A15
- **Engine Compatibility:** Mercury Mariner V6 Outboard (135 HP, 150 HP, 175 HP, 200 HP, 225 HP)
- **Material:** Aluminum (as per product specifications, likely for housing)
- **Operation Mode:** Electric
- **Fuel Type:** Gasoline (relevant for engine compatibility)

## 10. WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support, please refer to the retailer or manufacturer's official website where the product was purchased. Keep your proof of purchase for warranty claims.

