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› Mercury Precision Crankcase Oil Pump Instruction Manual

MERCURY 802889A 1

Mercury Precision Crankcase Oil Pump

MODEL: 802889A 1

Brand: MERCURY

Introduction

The Mercury Precision Crankcase Oil Pump (Model 802889A 1) is an essential tool for maintaining marine engines. This original equipment oil drain pump is specifically designed for Mercruiser sterndrive and inboard marine engines that feature threaded dipstick tubes. It provides a clean and efficient method for extracting used engine oil, simplifying routine oil changes. The pump includes an outlet/discharge hose for convenient oil collection.

Safety Information

- Always wear appropriate personal protective equipment, including gloves and eye protection, when handling engine oil.
- Ensure the engine is cool before attempting to drain oil to prevent burns.
- Dispose of used engine oil responsibly according to local environmental regulations. Do not pour oil down drains or onto the ground.
- Keep the work area well-ventilated to avoid inhaling oil fumes.
- Keep out of reach of children and pets.

Package Contents

Verify that all components are present before beginning the oil extraction process:

- 1 x Mercury Precision Crankcase Oil Pump (Model 802889A 1)
- 1 x Outlet/Discharge Hose



Image: The Mercury Precision Crankcase Oil Pump, shown with its retail packaging. The pump features a brass-colored body and a black handle, accompanied by a black discharge hose.



Image: A closer view of the Mercury Precision Crankcase Oil Pump, displaying the pump unit, the flexible black hose, and the product packaging. This image highlights the main components included.

Setup

1. **Prepare the Engine:** Ensure the marine engine is slightly warm (not hot) to allow the oil to flow more easily. Running the engine for a few minutes can help, but allow it to cool down sufficiently to be safe to touch.
2. **Locate Dipstick Tube:** Identify the threaded dipstick tube on your Mercruiser sterndrive or inboard marine engine.
3. **Remove Dipstick:** Carefully remove the engine's dipstick.
4. **Attach Pump:** Thread the brass fitting of the oil pump onto the threaded dipstick tube. Ensure it is securely tightened to prevent air leaks during operation.
5. **Connect Discharge Hose:** Attach the provided outlet/discharge hose to the pump's outlet port.
6. **Position Collection Container:** Place a suitable, empty container (e.g., an old oil jug or drain pan) to collect the used oil. Ensure the discharge hose is securely positioned within the container to prevent spills.

Operating Instructions

Follow these steps to effectively drain oil from your marine engine:

1. **Initiate Pumping:** Begin pumping the handle of the oil drain pump. A few initial strokes may be required to establish suction.
2. **Maintain Suction:** Continue to pump the handle steadily. The pump works by creating a vacuum to draw oil up through the dipstick tube and out through the discharge hose.
3. **Monitor Oil Flow:** Observe the flow of oil into your collection container. The flow may be intermittent, especially as the oil level in the engine decreases.
4. **Complete Drainage:** Continue pumping until no more oil is extracted from the engine. This may take some time depending on the engine size and oil viscosity.
5. **Remove Pump:** Once drainage is complete, unthread the pump from the dipstick tube. Be prepared for any residual oil in the pump or hose.

6. **Replace Dipstick:** Reinsert the engine's dipstick.

Maintenance

- **Cleaning:** After each use, clean the pump and hose thoroughly. You can flush it with a small amount of clean oil or a suitable cleaning solution to remove residual dirty oil.
- **Drying:** Ensure the pump and hose are completely dry before storage to prevent corrosion.
- **Storage:** Store the oil pump in a clean, dry place, away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically inspect the pump for any signs of wear, damage, or leaks, especially around the seals and connections. Replace if necessary.

Troubleshooting

Problem	Possible Cause	Solution
No suction or very slow suction	• Loose connection at dipstick tube or hose • Oil is too cold/viscous • Internal pump seal issue	• Ensure all connections are tight. • Warm the engine slightly before draining. • Inspect pump for damage; consider replacement if seals are compromised.
Oil leaks from pump body	• Damaged or worn seals • Loose components	• Check and tighten all threaded parts. • If seals are visibly damaged, the pump may need replacement.
Pump does not thread onto dipstick tube	• Incompatible dipstick tube thread • Incorrect pump model	• Verify your engine's dipstick tube type (must be threaded). • Confirm the pump model (802889A 1) is compatible with your specific engine model.

Specifications

Feature	Detail
Brand	MERCURY
Model Number	802889A 1
OEM Part Number	802889A 1
Color	Silver (Pump body)
Material	Aluminum (Pump body), Brass (Fitting)
Power Source	Manual
Item Weight	1.13 Pounds (approx.)
Compatibility	Most Mercruiser sterndrive and inboard marine engines with threaded dipstick tubes

Feature	Detail
UPC	745061028869

Warranty and Support

For specific warranty information and technical support regarding the Mercury Precision Crankcase Oil Pump, please refer to the documentation included with your purchase or visit the official Mercury Marine website. Warranty terms and conditions may vary by region and purchase date.

For additional assistance, you may contact Mercury Marine customer service directly through their official channels.

ASK A QUESTION ABOUT THIS MANUAL

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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