



Service Bulletin

Stemdrive No. 2016-02R1
OEM No. 2016-02R1

Circulate to: Sales Manager Accounting Service Manager Technician Parts Manager

Mercury Racing Propeller Failures and Guidelines—Racing Sterndrive 520–1650

| |
|--|
| NOTICE |
| Revised June 2016. This bulletin supersedes the previous bulletin number 2016-02 May 2016. |

Models Affected

| Model | Horsepower |
|-------------------------------|------------|
| Racing Sterndrive | 520–1650 |
| All Mercury Racing Propellers | |

Scope

Worldwide

Situation

Some propellers have failures caused by defects in materials or workmanship which are covered under warranty terms. Others have failures caused by conditions beyond the control of Mercury Marine. Mercury Racing propellers that are offered in the Accessories Guide carry a one year limited warranty against defects in materials and workmanship from the original date of sale. Following are the procedures and guidelines to follow when dealing with failed propellers.

Propeller Hubs

Nonwarranty Failures

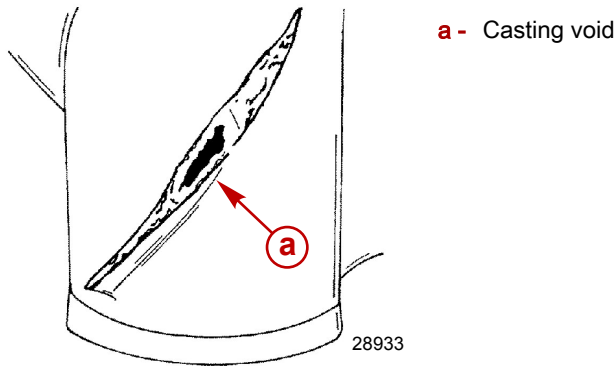
- Replacement of propeller hubs due to impact, improper previous hub replacement, improper torque of propeller nut, etc.
- Propellers used with engine horsepower levels that are greater than the propeller rating
- Propellers that have been modified, thinned, welded, or straightened

THE INFORMATION IN THIS DOCUMENT IS CONFIDENTIAL AND PROTECTED BY COPYRIGHT AND IS THE PROPERTY OF MERCURY MARINE.

This document is provided for the sole and exclusive use of the original recipient as prescribed by Mercury Marine and may not be distributed or copied, digitally or otherwise, without the prior written consent of Mercury Marine.

Loss of Blades

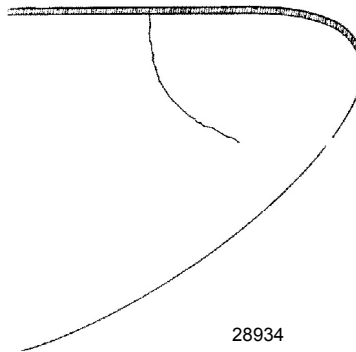
The illustration below shows a propeller with loss of blade. This failure is a result of a casting void. This represents a true defect in material.



Cracked Blades

Trailing Edge Blade Cracks The illustration below shows a propeller blade with a blade failure. This failure is on the trailing edge and is a result of a fatigue crack. This type of fatigue failure starts at the trailing edge of the propeller blade and works its way to the leading edge. A possible warrantable condition exists if the blade does not show signs of a notch, nick, impacts, or cup modifications. Any nicks in the leading or trailing edge of the blade that can be detected by running your fingernail along the edge of the blade renders the blade ineligible for warranty.

IMPORTANT: Do not use a propeller with cracks or fractures in the blade area or on the hub. Using a propeller that has any cracks or fractures in the blade area or hub, may result in the loss of the propeller blade and subsequent damage that may have been preventable.

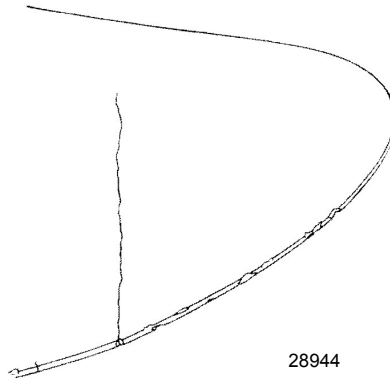


Leading Edge Blade Cracks The illustration below shows a propeller with a fracture line starting at the leading edge of the blade. Leading edge fatigue cracks are caused by impacts with objects in the water, often not even detected or observed by the boat operator. Small nicks on the leading edge can cause fatigue cracks. Fatigue cracks starting on the leading edge are not covered by Mercury Marine's limited warranty. Any nicks in the leading or trailing edge of the blade that can be detected by running your fingernail along the edge of the blade renders the blade ineligible for warranty.

THE INFORMATION IN THIS DOCUMENT IS CONFIDENTIAL AND PROTECTED BY COPYRIGHT AND IS THE PROPERTY OF MERCURY MARINE.

This document is provided for the sole and exclusive use of the original recipient as prescribed by Mercury Marine and may not be distributed or copied, digitally or otherwise, without the prior written consent of Mercury Marine.

IMPORTANT: Do not use a propeller with cracks or fractures in the blade area or on the hub. Using a propeller that has any cracks or fractures in the blade area or hub, may result in the loss of the propeller blade and subsequent damage that may have been preventable.



Warranty Information

Mercury Racing propellers carry a one year limited warranty against defects in materials and workmanship from the original date of sale. Submit a properly completed warranty claim and the propeller to the appropriate Mercury Marine warranty center.

Claims for propellers require the engine serial number or the sterndrive serial number on the claim if a Mercury drive is used with an engine that is not a Mercury product. Propellers sold loose require a copy of the bill of sale for the propeller purchased by the retail customer attached to the claim along with the engine serial number.

Mercury Racing sells specially modified versions of their propellers which are identified by a combination of letters and numbers stamped in the rear hub area of the propeller. These specialized propellers are not covered by warranty and requests for customer relations consideration will be reviewed on a case by case bases.

United States and Canada

Submit all claims for Mercury Racing propellers to the appropriate factory warranty location.

All Mercury Racing propeller claims are to be sent to:

Mercury Racing
Attention: Warranty, Dock A
N7840 County Road UU
Fond du Lac, WI 54937-9385
920-929-5884

International

Follow the instructions issued by the Marine Power international office or by an authorized Marine Power distributor.

THE INFORMATION IN THIS DOCUMENT IS CONFIDENTIAL AND PROTECTED BY COPYRIGHT AND IS THE PROPERTY OF MERCURY MARINE.

This document is provided for the sole and exclusive use of the original recipient as prescribed by Mercury Marine and may not be distributed or copied, digitally or otherwise, without the prior written consent of Mercury Marine.

THE INFORMATION IN THIS DOCUMENT IS CONFIDENTIAL AND PROTECTED BY COPYRIGHT AND IS THE PROPERTY OF MERCURY MARINE.

This document is provided for the sole and exclusive use of the original recipient as prescribed by Mercury Marine and may not be distributed or copied, digitally or otherwise, without the prior written consent of Mercury Marine.