

Circulate to: Sales Manager Accounting Service Manager Technician Parts Manager

Crankshaft Sensor Lead Chafing

Models Affected

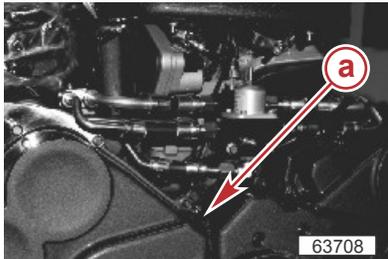
Models Covered	Serial Number Or Year
1550 and 1650	0M973231 and up

Situation

The front carbon fiber cover on the engine is rubbing against the crankshaft sensor lead and wearing through the protective cover.

Solution

- If the crankshaft lead protective cover is worn through but the lead wire insulation is not, follow the instructions to repair the protective cover with shrink wrap and modify the front cover.
- If the crankshaft lead wire insulation is worn through and exposing the copper wire, replace the engine harness.



a - Crankshaft lead wire

Repair Procedure

Parts Needed

Qty.	Description	Part Number
1	Shrink wrap	8M0134085
1	1650 wire harness (if needed)	8M0097495
1	1550 wire harness (if needed)	8M0058672

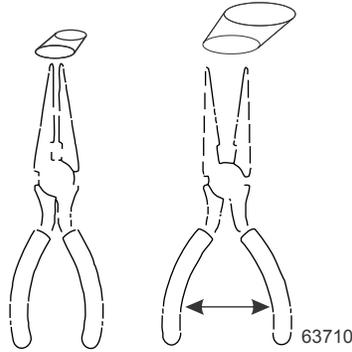
Repairing the Crankshaft Lead Wire

1. Cut a 6 cm (2 in.) length of shrink wrap.

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- Using a needle-nose pliers, stretch the shrink wrap by inserting the pliers into the shrink wrap and forcing the pliers apart to stretch the wrap enough to fit over the crankshaft sensor connector.



Stretching the shrink wrap

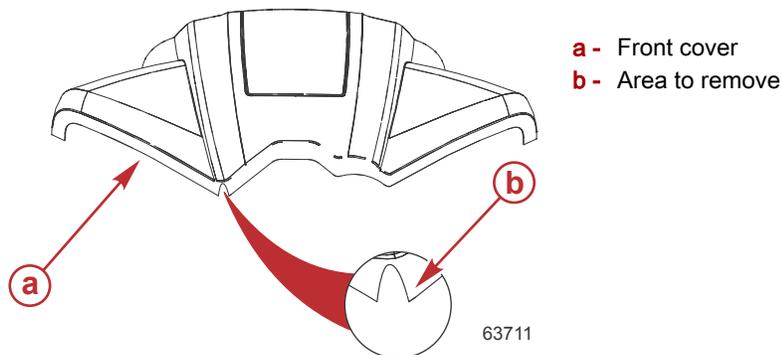
- Use heat to shrink the wrap in the area where the protective cover is worn.

Modifying the Front Cover

⚠ CAUTION

Wear eye protection when performing the following procedure. Failure to do so may cause personal injury.

Remove the cover and use a die grinder with a metal bit to remove enough material from the cover to prevent the cover from touching the crankshaft lead wire.



Warranty Considerations

1650

The 1650 power package is a competition race engine and is not considered for warranty compensation.

1550

Mercury Racing will credit the dealer for parts and labor.

Warranty Time and Codes

- Apply shrink wrap and modify the front cover.
 - Apply shrink wrap**—Labor 0.3 hours.
 - Modify the front cover**—Labor 0.3 hours.
- Warranty flat rate codes
 - SB03
 - SB03

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2. Replace the damaged wire harness and modify the front cover.

IMPORTANT: The wire harness must be returned to Mercury Racing using the return process for your district.

- **Remove and install the engine**—Labor 10.0 hours.
- **Replace the wire harness**—Labor 3.5 hours.
- **Modify the front cover**—Labor 0.3 hours.
 - a. Warranty flat rate codes
 - Pa1
 - PE-73
 - SB03

Part Codes

- Cowl-904
- Service bulletin-00

U.S. and Canada

Complete and process the claim via MercNET or return a warranty claim form.

International

Follow the instructions issued by the marine power international office or by authorized marine power distributor.

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