

8. Remove 4 bolts securing gear case to drive shaft housing.



a - Bolt (4)

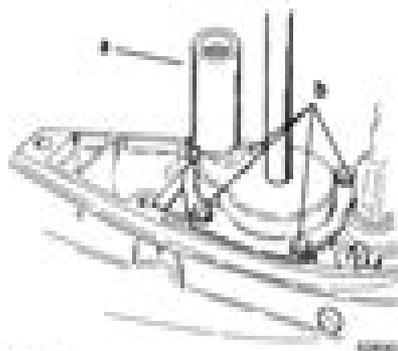
5200

Disassembly

Water Pump

NOTE: If water tube seal remained in drive shaft housing, remove seal from housing and reinstall on water pump cover. Secure seal to cover with Loctite 403.

1. Remove 4 bolts securing pump cover.



a - Bolt
b - Bolt (4)

5200

NOTE: Replace cover if thickness of steel at discharge slots is 0.080 in. (1.524mm) or less, or if grooves (other than impeller seating groove) in cover rim are more than 0.030 in. (0.762mm) deep.

2. Remove cover, washer (above impeller), impeller, key and washer (below impeller).
3. Remove cover gasket, base plate and base gasket.



- a - Cover
b - Washer (above impeller)
c - Impeller
d - Key
e - Washer (below impeller)
f - Cover Gasket
g - Base Plate
h - Base Gasket

5200

NOTE: Replace impeller if

- Impeller blades are cracked, bent or worn.
- Impeller is glazed or melted.
- Rubber portion of impeller is not bonded to impeller hub.

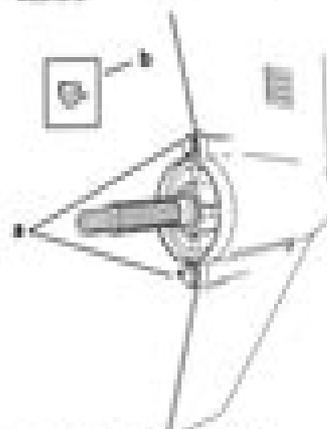
4. Remove and/or replace exhaust deflector plate if damaged.



- a - Deflector Plate

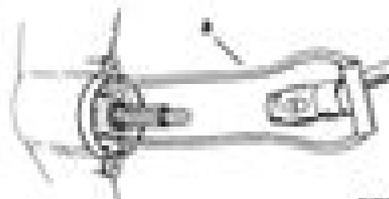
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5. Remove bearing carrier attaching bolts and locking tab washers or flat washers. Discard tab washers.



- a - Bolt and Tab Washers or Flat Washers
b - Tab Washers (Type 1)

6. Using Puller (91-2770), remove carrier assembly from gear case.

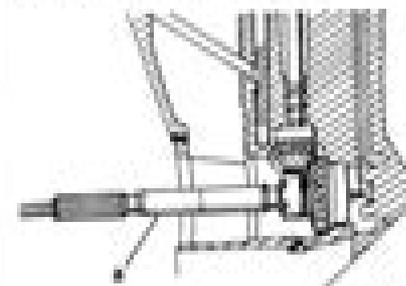


- a - Puller (91-2770)

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NOTE: When removing propeller shaft assembly, cam follower may dislodge. Retrieve follower from gear housing.

7. Remove propeller shaft assembly.

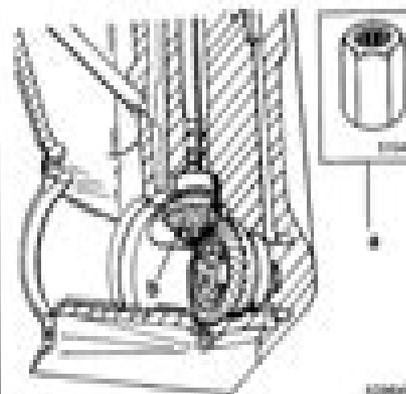


- a - Propeller Shaft

5200

Model	Drive Shaft Holding Tool
25, 40/50 (4-Stroke)	91-82180M
Force 40/50	91-82170
30/40, 40/50	91-82170

8. Remove pinion nut and discard.



- a - Drive Shaft Holding Tool
b - Pinion Nut

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9. Remove drive shaft assembly and pinion gear.

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