



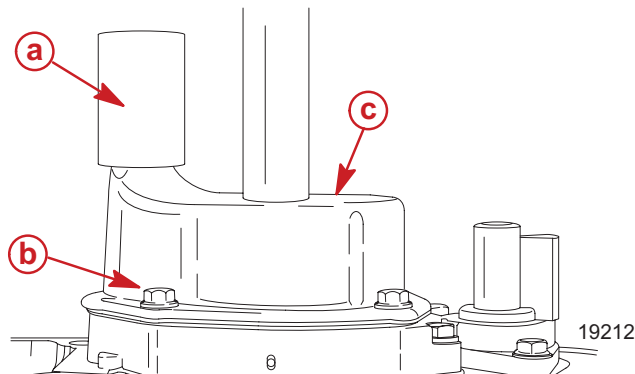
Disassembly

Water Pump

NOTE: If water tube seal stayed on water tube (inside of drive shaft housing) when gear housing was removed, pull water tube seal from water tube.

NOTE: Newer models will not have the isolators installed on the water pump.

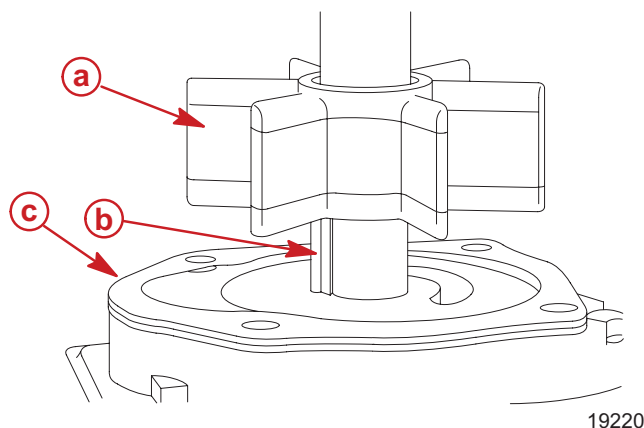
1. Replace water tube seal, if damaged.
2. Remove 4 screws (2 on each side of water pump housing), washers, and isolators.
3. Remove cover.



- a - Water Tube Seal
- b - Screw, Washer, Isolator (4 each)
- c - Cover

IMPORTANT: The circular groove formed by the impeller sealing bead should be disregarded when inspecting cover (Step 4) and plate (Step 8), as the depth of the groove will not affect water pump output.

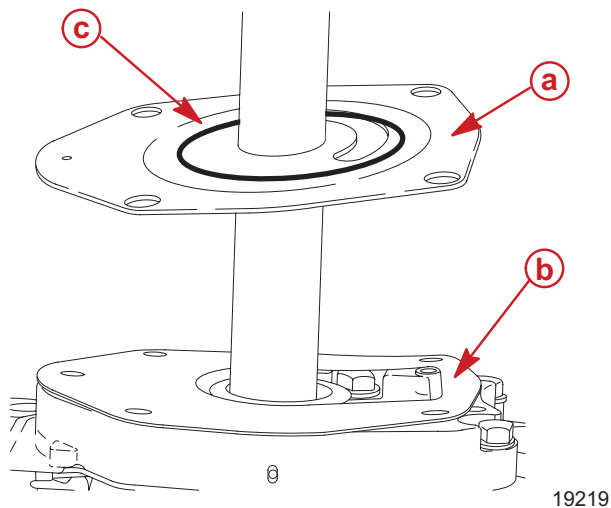
4. Replace cover if thickness of steel at the discharge slots is 0.060 in. or less, or if groove(s) (other than impeller sealing bead groove) in cover roof are more than 0.030 in. (0.762 mm) deep.
5. Lift impeller, drive key, and gasket from drive shaft.



- a - Impeller
- b - Drive Key
- c - Gasket

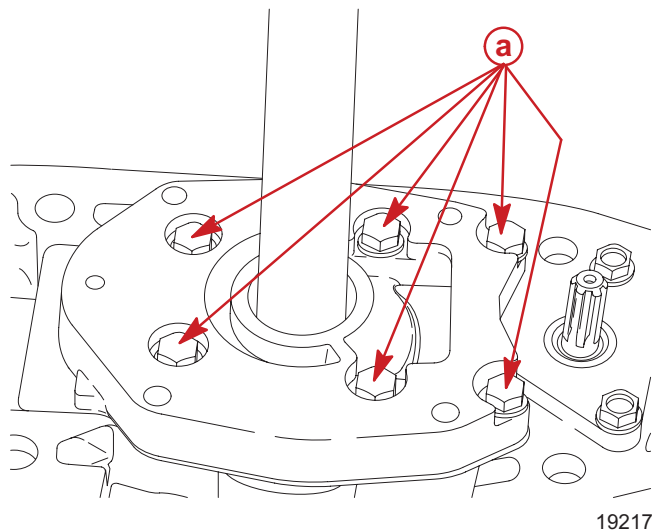


6. Inspect impeller. Replace impeller if any of the following conditions exist:
 - Impeller blade(s) are cracked, torn, or worn.
 - Impeller is glazed or melted (caused by operation without sufficient water supply).
 - Rubber portion of impeller is not bonded to impeller hub.
7. Remove plate and gasket.
8. Replace plate if groove(s) (other than impeller sealing bead groove) in plate are more than 0.030 in. (0.762 mm) deep.



- a** - Plate
b - Gasket
c - Impeller Sealing Groove

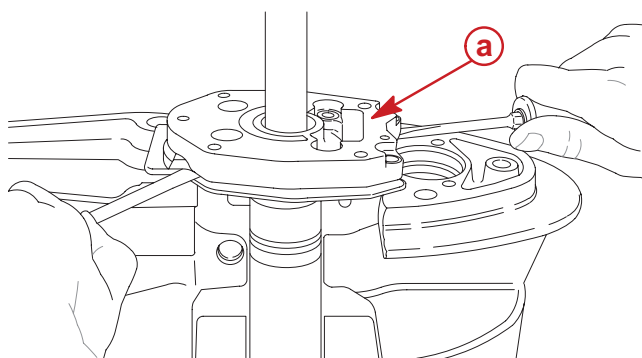
9. Remove screws and washers.



- a** - Screws and Washers (6 each)



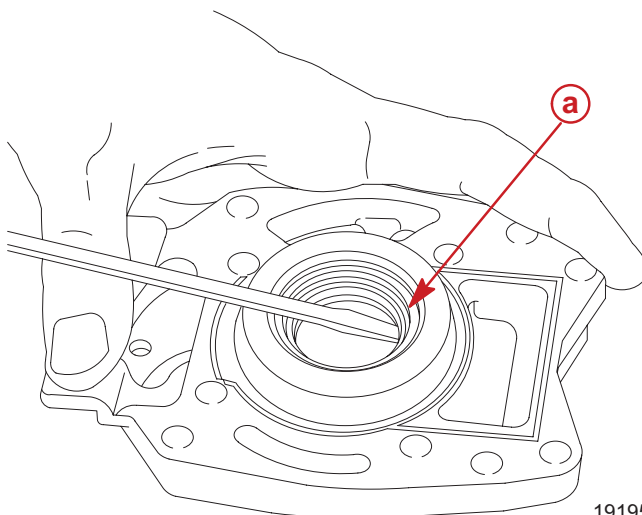
10. Remove water pump base using flat screwdrivers to lightly pry up on base.



19226

a - Water Pump Base

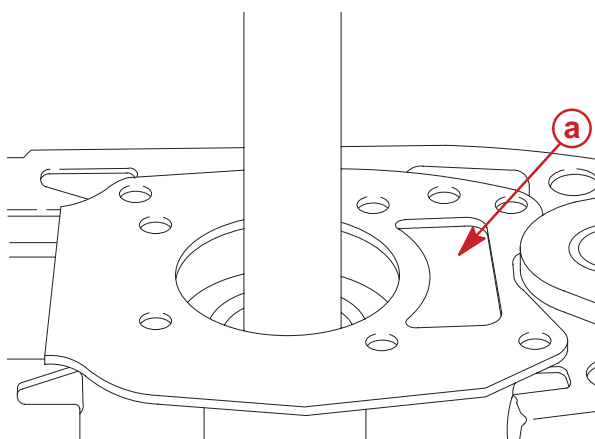
11. Remove (and discard) seals **(IT MAY BE BENEFICIAL TO CLAMP THE WATER PUMP BASE IN A VISE WHILE REMOVING SEALS).**



19195

a - Seals

12. Remove gasket.



19218

a - Gasket