



4) Install a new key in the shaft, and insert a new nut on the pump housing.



5) Grease the impeller, and pump housing, turning the impeller clockwise, then tighten the bolts.



165000-0

## LOWER UNIT LEAKAGE

- 1) Tighten the gear oil dipstick, and connect the tester to the dipstick.
- 2) Pump the tester, and check the pressure. The pressure should be 100 kpa (1.0 kgf/cm<sup>2</sup>).
- 3) Check that the pressure is maintained for 10 minutes. (1.0 kgf/cm<sup>2</sup> 14.2 psi)

**NOTE:** \_\_\_\_\_

If the pressure falls, the leak is present.

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This manual covers 2002 Yamaha F4 HP outboards. The information has been compiled to provide the mechanic with an easy to read, handy reference that contains comprehensive explanation of all disassembly, repair, assembly and inspection operations. Each chapter provides exploded diagrams before each disassembly section for ease in identifying the correct disassembly and assembly procedures. The manual is completely bookmarked and searchable. It covers everything about the motor.s

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