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Instruction Sheet

E227b 09-2000

Installation Instructions for 131-0258 Water Pump Repair Kit

Read the instructions completely before starting installation to become familiar with procedures and safety warnings.

⚠ WARNING *Accidental starting of the genset can cause severe personal injury or death. Disconnect the battery cables from the battery(ies), negative (-) cable(s) first, before servicing the pump.*

After removing the water pump from engine, use the following procedure to install kit:

1. Loosen pulley set screw and remove pulley from pump.
2. Remove four screws, impeller housing cover and gasket.
3. Slide impeller off the water pump shaft.
4. Remove wear plate from water pump housing (use a screwdriver if necessary to pry plate loose).
5. Remove external retaining ring from impeller end of water pump shaft.
6. Remove spring portion of two-piece seal using a screwdriver. The ceramic part of seal can be removed after driving pump shaft from housing in Step 8.
7. Remove the internal retaining ring from other end of pump housing.
8. Drive out pump shaft and bearings carefully from the impeller end of housing to the pulley side of housing.
9. Drive out ceramic part of seal from pulley side of housing.
10. Install new ceramic part of seal in pump with rubber side toward bearing.
11. Install water pump shaft slinger on new water pump shaft assembly.
12. Grease the new bearings with the grease in the kit. Apply grease also to the outside of the bearing races to aid insertion of the shaft into the housing.
13. Insert new water pump shaft assembly. Install new internal retaining ring in small end of housing.
14. Install new ceramic part of seal on impeller side of pump with ceramic side out.
15. Install spring portion of mechanical rotary seal assembly on shaft and secure with new external retaining ring.
16. Install new pump wear plate so that the notch fits into machining in the pump housing.
17. Coat inside of impeller housing cover, outside of wear plate and impeller with grease.
18. Install new impeller in housing cover by twisting it clockwise while pushing into place.
19. Hold new gasket in place while securing impeller housing with four screws removed earlier.
20. Mount pulley on pump shaft and tighten set screw.
21. Reconnect the battery cables, negative (-) last, and start the genset to test pump operation.

