



WATER PUMP KIT, P/N 5000308 INSTALLATION INSTRUCTIONS

APPLICATION

This water pump kit is designed for use on 2004 and 2005 *Evinrude*® *E-TEC*™ 40HP, 50HP, and 60HP commercial and *Evinrude*® and *Johnson*® 40 through 55HP carbureted 2 stroke commercial outboards.

SAFETY INFORMATION

For safety reasons, this part should be installed by an authorized *Evinrude*®/*Johnson*® dealer. This instruction sheet is not a substitute for work experience. Additional helpful information may be found in other service literature for your engine.

This instruction sheet uses the following signal words identifying important safety messages.



DANGER



Indicates an imminently hazardous situation which, if not avoided, **WILL** result in death or serious injury.



WARNING



Indicates a potentially hazardous situation which, if not avoided, **CAN** result in severe injury or death.



CAUTION



Indicates a potentially hazardous situation which, if not avoided, **MAY** result in minor or moderate personal injury or property damage. It also may be used to alert against unsafe practices.

IMPORTANT: Identifies information that will help prevent damage to machinery and appears next to information that controls correct assembly and operation of the product.

These safety alert signal words mean:

ATTENTION!
BECOME ALERT!
YOUR SAFETY IS INVOLVED!

Always follow common shop safety practices. If you have not had training related to common shop safety practices, you should do so to protect yourself, as well as the people around you.

It is understood that this instruction sheet may be translated into other languages. In the event of any discrepancy, the English version shall prevail.

DO NOT do any repairs until you have read the instructions and checked the pictures relating to the repairs.

Be careful, and never rush or guess a service procedure. Human error is caused by many factors: carelessness, fatigue, overload, preoccupation, unfamiliarity with the product, and drugs and alcohol use, to name a few. Damage to a boat and outboard can be fixed in a short period of time, but injury or death has a lasting effect.

When replacement parts are required, use *Evinrude/Johnson Genuine Parts* or parts with equivalent characteristics, including type, strength and material. Using substandard parts could result in injury or product malfunction.

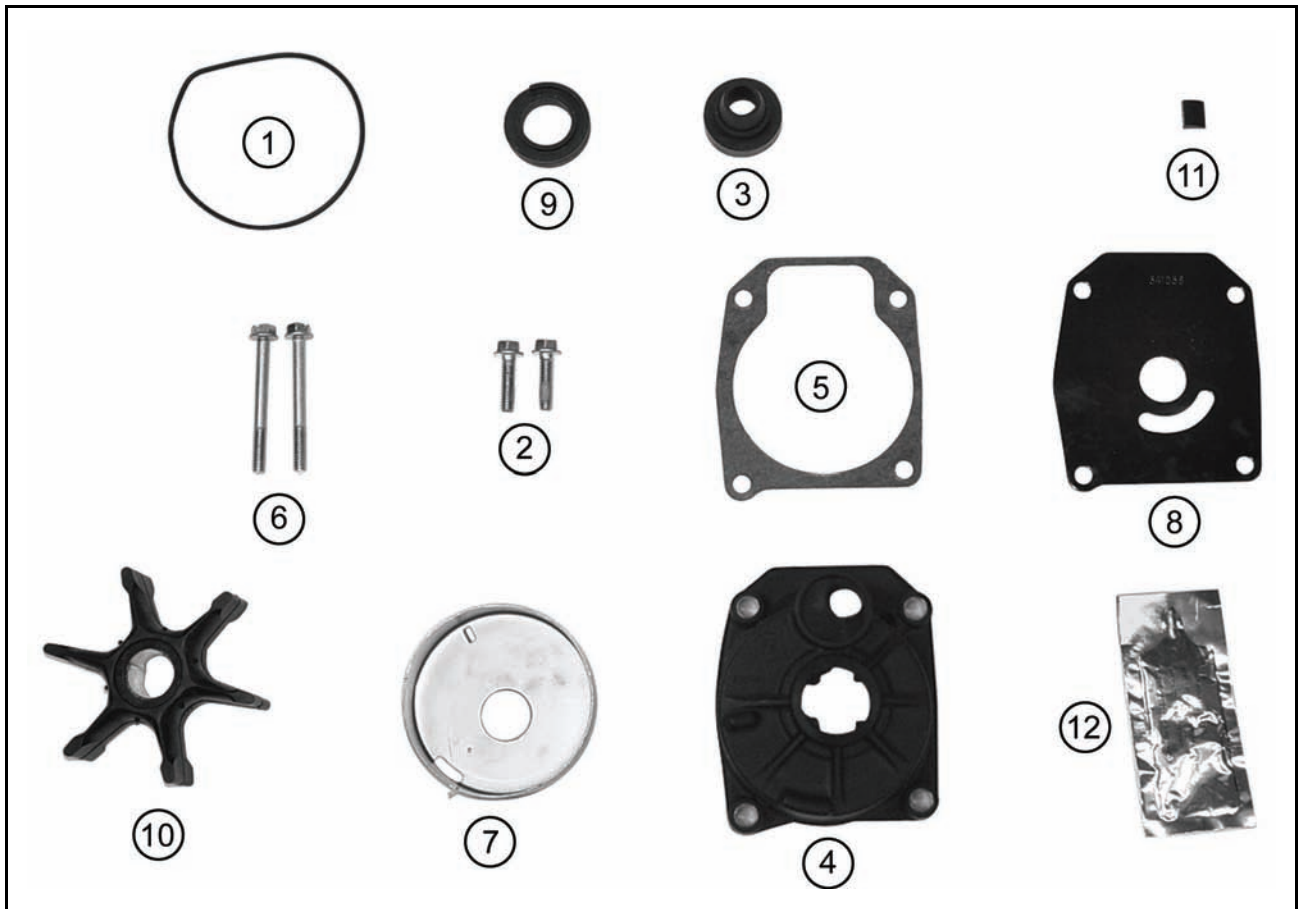
Torque wrench tightening specifications must be strictly followed. Replace any locking fastener (locknut or patch screw) if its locking feature becomes weak. Definite resistance to turning must be felt when reusing a locking fastener. If replacement is specified or required because the locking fastener has become weak, use only authorized *Evinrude/Johnson Genuine Parts*.

If you use procedures or service tools that are not recommended in this instruction sheet, **YOU ALONE** must decide if your actions might injure people or damage the outboard.

TO THE INSTALLER: Give this sheet to the owner. Advise the owner of any special operation or maintenance information contained in the instructions.

TO THE OWNER: Save these instructions in your owner's kit. This sheet contains information important to the future use and maintenance of your engine.





005201

Ref	P/N	Name of Part	Qty	Ref	P/N	Name of Part	Qty
	5000308	WATER PUMP KIT					
1	324981	SEAL, impeller housing	1	7	340619	CUP, impeller housing	1
2	328725	SCREW, impeller housing (short)	2	8	341038	PLATE	1
3	333758	GROMMET, impeller housing	1	9	341732	GROMMET, exhaust housing	1
4	438545	IMPELLER HOUSING	1	10	396725	IMPELLER ASSEMBLY	1
5	336530	GASKET, impeller housing	1	11	334897	*KEY, driveshaft	1
6	337574	SCREW, impeller housing (long)	2	12	-	MOLY LUBE	1

Refer to the appropriate **Service Manual** for installation procedures. Install water pump components following the procedure in the service manual.

NOTE: Older *Johnson/Evinrude* 40 through 55HP **carbureted** 2 stroke commercial outboards used a water pump assembly with a 3-blade impeller. Thermostat spring, P/N 343977; thermostat cover, P/N 343141; and thermostat cover gasket, P/N 329830 **must** be used with replacement water pump assembly, P/N 500308, (6-blade impeller) to prevent over-cooling at idle speeds.