

WARRANTY GUIDE



Phone: (757) 855-5091 Fax: (757) 855-5336

ATTENTION:

The gasket set provided with this engine is complementary and is provided with the engine at no charge. It is up to the discretion of the installer to use the gaskets provided. The only gaskets that are covered by the parts and labor warranty are the gaskets that are installed at factory during the manufacturing process.

ATTENTION:

Heat tabs have been installed on this engine. Heat tabs, when attached to the engine block or heads provide visual evidence if an engine has been overheated; removing these tabs will void the warranty.

Installation Instructions

Before beginning the engine installation please review the following instructions:

- Verify the root cause of the original engine failure
- Check engine assembly for shipping damage
- Verify the engine ordered and the engine received is correct for the application
- Read all warning tags and additional information supplied with the engine
- Have shop manual available for torque, timing and other factory specifications

Stop Now and Check Your Existing Components

1. The intake manifold must be thoroughly clean or replaced. Intake manifold must be free of all debris before being installed on the engine. Debris such as old piston, piston ring or valve material can be trapped in the intake, plenum, and EGR system. The debris can and will be pulled into the replacement engine causing the replacement engine to fail. Do not glass bead, sand blast or use any type of media that could get lodged in the intake. Failures due to foreign debris will not be covered by manufacturer's warranty; replacement engine will not be supplied.
2. Installer must diagnose, repair and insure proper operation of engine related systems and subsystems. Failure to make repairs to these components may result in engine failure.

COOLING SYSTEM

- Fan (motor, wiring, relays, switches, or clutch)
- Hoses
- Thermostat
- Water pump

FUEL SYSTEM

- Volume and pressure
- Quality (sugar, water, debris)
- Injectors
- Vacuum hoses
- Controls (PCV and EGR)
- Catalytic converters (plugged, leaking, or restricted)
- Air induction (air cleaner and inlet hoses)
- Electrical/Electronic systems
- Starting
- Charging
- Ignition
- Computer Controls
- All associated wiring, relays and sensors

AFTER INSTALLING THE ENGINE

It is very important for OEM maintenance intervals be followed. The replacement unit requires the same service.

CHECK ENGINE FOR INTERFERENCE

ROTATE THE CRANKSHAFT BY HAND A MINIMUM OF FOUR COMPLETE REVOLUTIONS BEFORE ENGAGING THE STARTER.

Nuts, bolts, washers or other small parts that may have been dropped into the intake manifold or intake ports can severely damage replacement engine. If engine cannot be rotated by hand, inspect for foreign objects in combustion chamber.

OIL PRESSURE

THE OIL PUMP ON THIS ENGINE MUST BE PRIMED AND THE ENTIRE OILING SYSTEM MUST BE PURGED OF AIR BEFORE THE DRIVE BELTS ARE INSTALLED AND THE ENGINE IS STARTED.

- Preferred method is to use a pressurized system to push clean oil through the entire oiling system.
- Distributor type engines can be primed with priming tool and drill motor to rotate oil pump shaft. Oil must flow to the top of the engine to the rocker arms.
- Another method to use before the drive belt and spark plugs are installed is to disable the fuel and ignition systems and crank engine in short durations until oil pressure is achieved. Once oil pressure is attained, crank engine an additional two minutes in short durations to insure the oiling system is purged of air.
- Check and adjust oil level after priming and purging is complete.
- Oil coolers and cooler lines need to be replaced with new engine and clear of all debris.

COOLING SYSTEM

- Fill to manufacturer's recommended levels
- Proper concentration of manufacturer's recommended coolant
- Air bleed (many late model cooling systems MUST be air bled)

VALVE LASH

Engines equipped with adjustable rocker assemblies MUST be readjusted after engine "run in".

OIL COOLER

Engines originally equipped with oil cooler, OIL COOLER MUST BE REPLACED! Failure to replace oil cooler will void the warranty. Replacement unit will not be supplied.

ENGINE BREAK IN

Initial oil change must be done at 500 miles. Synthetic motor oil is not recommended until engine has accrued 5000 miles.

Do not tow a trailer or heavy loads; check coolant level and engine oil regularly.

Avoid long trips at a constant speed, varying speed and RPM assists in break in.

IMPORTANT DOCUMENTS

These documents will be required in the event of a failure. For any technical assistance during engine installation or after start up, call the Customer Service Department at (757) 855-5091.

- Original sales ticket and repair order
- All service and maintenance records

*All engines reported to be defective will be disassembled and inspected. Claims initiated without pertinent information or lack of documentation may be subject to plant inspection.

Remanufacturer's Limited Warranty

Limited Warranty

The Remanufacturer issues this Limited Warranty to the original purchaser/owner of the vehicle in which the engine, transmission or component is installed. The Remanufacturer warrants the remanufactured engine, transmission or component part, which was purchased and is described in this warranty to be free from defects in materials or workmanship if properly installed and maintained during the specified warranty period. If the remanufactured engine, transmission or component fails due to a defect in materials or workmanship during the specific warranty period, the Remanufacturer will repair, replace, or refund, at the discretion of the Remanufacturer the engine, transmission, or component in question.

Engines and Transmissions-Whichever Shall Occur First

- 36 Months/100,000 Miles: Passenger cars, police cars and light trucks up to 1 ton, except motor homes* and special use vehicles* listed below. This warranty covers parts and labor as described in remanufacturer's limited warranty for a period of 36 months/100,000 miles.
- 24 Months/24,000 Miles: Trucks over 1 ton and motor homes* and special use vehicles* listed below. This warranty covers parts and labor as described in remanufacturer's limited warranty.

- 12 Months/12,000 Miles: All taxi cabs, Ford Mustang Cobra, GT, Ford F-150 Lightning and Harley Davidson pickups. All vehicles equipped with OEM supercharger. This warranty covers parts and labor as described in remanufacturer's limited warranty.
- 3 Months: Stationary, agricultural and industrial. This warranty covers parts and labor as described in remanufacturer's limited warranty.
- 18 Months: Marine applications. This warranty covers parts and labor as described in remanufacturer's limited warranty.
- Class B and C Motor Homes: These being built on Ford, Dodge, or General Motors "cutaway chassis" or van chassis will be warranted under the remanufacturer's limited warranty. Coverage excludes labor for removal and replacement of accessories not specific to the original manufacturer's chassis.
 - ½ ton through ¾ ton for standard 36 Month/100,000 miles.
 - 1 ton for standard 24 Month/24,000 miles.
- Class A Motor Homes: These being "purpose built" chassis or truck chassis in excess of 11,000 lb. GVW will carry a 6 Month/12,000 miles parts only warranty.

This warranty is subject to the standards described in the remanufacturer's limited warranty.

****ALL TRUCK AND VAN CHASSIS EMERGENCY SERVICE VEHICLES AND RAILROAD VEHICLES WITH HIGH RAIL EQUIPMENT ARE EXCLUDED FROM THIS WARRANTY****

AFTER INSTALLING THE ENGINE

It is very important for OEM maintenance intervals to be followed. The replacement unit requires the same service level. We require your vehicle be serviced at an ASE certified-repair facility only. Please retain repair records for future reference in the event of a failure.

Limited Warranty Disclaimer and Exclusion to Coverage

Limited warranty excludes:

1. Not registered with the Remanufactured Warranty Registration Department within 30 days of installation.
2. Installed in vehicles or marine applications used for racing, off-road use, or containing high performance modifications, aftermarket superchargers, emergency service vehicles, railroad vehicles with high rail equipment.
3. This warranty does not cover damage or failure arising directly or indirectly from improper installation (not in accordance with the original equipment manufacturer's specifications) or related vehicle problems, misuse, maintenance, neglect, abuse, overheating, detonation, foreign object damage, vandalism, abnormal operation, environmental conditions, lack of lubrication at start up, accident or damage which was apparent and not reported at the time of delivery.
4. Not serviced at proper intervals, use of fuel/oil/coolant not in accordance with original manufacturer's specifications.
5. Installed using an oil pump other than the one supplied with the engine.
6. Installed using a different valve body or converter other than the one supplied with the transmission.
7. Installed in an application set up for propane or any alternative fuels using a standard gasoline production engine or component.
8. Compensation for inconvenience or loss of vehicle use.
9. Expenses incurred in securing replace vehicles, rentals, lodging, towing, roadside assistance, vehicle storage, loss of time, loss of income, commercial loss, long distance telephone calls, legal fees, or other consequential cost or damages.
10. Any extensions to Limited Warranty beyond the described period from the date or mileage of the original installation of engine or component due to repairs or replacements.
11. Repairs or replacements otherwise covered if performed without prior authorization from the Remanufacturer, failure to return defective engine, transmission, component or repair parts, failure to supply proper paperwork and documentation*.
12. Parts and labor costs that exceed allowable limits*. Parts and labor costs due to misdiagnosis of failure.
13. Any gaskets, gasket sets or component parts, unless installed on engine or component at time of remanufacture.
14. Any costs incurred for replacement of any parts not related to remanufactured engine, transmission or component failure (i.e., ignition components, fuel system components, sensor, cooling system components or other maintenance related components).
15. Any and all failures occurring outside the contiguous states of the United States of America.
16. Labor incurred removing or replacing accessories not specific to the original chassis manufacturer on all class B and class C motor homes.

***SEE LIMITED WARRANTY CLAIMS PROCESSING AND PAYMENT POLICY.**

General Limitations 1) You must be able to provide an original receipt in your name for the warranty claim to be considered. 2) Any repairs not authorized by BWE will void the warranty. 3) We reserve the right to have the part(s) inspected to ensure that all pertinent provisions of this warranty have been met prior to any replacement, repair, or refund.

THIS WARRANTY IS NULL AND VOID IF:

Failures are caused by non-covered components, improper installation, failure to repair any subsystem failure, failure due to component or part not installed on the unit when manufactured, usage for which the part was not intended and/or improper maintenance (e.g., using the incorrect types and levels of fluids and lubricants as specified by the vehicle manufacturer). Product is installed in an application for which the vehicle manufacturer did not intend. Failure is caused by towing a trailer or other vehicle unless your vehicle is equipped for this purpose as recommended by the vehicle manufacturer. Product is installed or operated outside the United States of America or Canada. Failure is caused by or related to a collision, fire, theft, vandalism, riot, explosion, lightning, earthquake, windstorm, hail, water, freezing, flood or any other act of God. Failure is caused by neglect, abuse, misuse, racing (whether on road or off-road), or modifications. There is evidence that the vehicle was continually operated after failure occurred. The engine heat tabs are missing, tampered with, melted, misplaced, or otherwise not as originally installed. This part may have accessories that are attached, and must be switched or removed to accommodate proper installation, which is the responsibility of the installer. Such accessories are not covered by this warranty. This limited warranty gives you specific legal rights, and you may also have other rights, which vary from state to state. Blackwater Engines does not authorize any person to create for it any obligation or liability in connection with this warranty. In the case of engines this warranty is limited to defects to the block, heads, pistons, crankshaft, camshafts, valves, rockers, connecting rods and other internal lubricated parts. All other parts that may be provided are considered "accessories and extra parts". No warranty is provided for any such parts that are attached, included but not limited to these parts such as solenoids, injectors, switches, sensors, water pumps or manifolds. There are no warranties on overheated, burned, or overloaded parts. Engines, Transmissions, and Transfer Cases all require that all installation and ongoing maintenance procedures be followed. Engines are sold as a long block assemble only, which include just the short block and cylinder head(s). Any other parts that are included are not warranted. Any claim on a defective or incorrect part must be made within the warranty period. The part must be returned to the manufacturer for verification that it is the same part they send and is indeed defective. Upon its return, the part must be in the same condition as when sold. It is agreed that the sole determiner of condition for return is the manufacturer. No refund or exchange can be made until the manufacturer has verified the part condition. There are NO returns on altered, disassembled, overheated parts or parts that fail due to failure to lubricate properly.

Jurisdiction, Venue, and Arbitration

Blackwater Engines shall not be liable for incidental or consequential damages resulting from breach of this written warranty or any implied warranty.

Any dispute arising under or in connection with the agreement or related to any matter which is the subject of the agreement shall be subject to the exclusive jurisdiction of the General District Court for the City of Virginia Beach or the Circuit Court for the City of Virginia Beach. This Agreement shall be construed and governed in accordance with the laws of the Commonwealth of Virginia. Buyer agrees to pay all attorney fees incurred by Blackwater Engines in connection with any dispute arising under this contract.

Limited Warranty Claims Filing Procedure

Approval for repairs or replacements of remanufactured engines, transmissions, or components must be obtained from the customer service department prior to any work being performed. Any repairs or replacements performed without prior approval will not be covered.

When calling the customer service department please have the following information:

1. Serial number of the engine or transmission
2. Part number of engine, transmission or component
3. Date and mileage at the time of installation
4. Current mileage
5. Make, model, year, vehicle identification number and license plate number
6. Description of problem that you having with the remanufactured engine or component

Diagnostic time will only be covered if instructed by customer service department.

Remanufactured engines, transmissions, components or parts found to be defective must be returned to Remanufacturer for failure analysis or claim will be denied.

Any remanufactured engines, transmissions or components or repair parts must be submitted with appropriate paperwork and authorization number to ensure payment.

Paperwork and information required:

1. Original sales ticket and repair order
2. Current sales ticker and repair order
3. Sales tickets for any parts purchased to complete repairs to replacements
4. All services and maintenance records
5. Warranty authorization number

Please retain a copy of the paperwork and authorization for future reference.
CLAIMS NOT SUBMITTED WITHIN 30 DAYS OF LAST ACTION WILL BE VOID.

LABOR RATES

Over the counter sales - installed by Independent Repair Shops and Fleets:

- Current Motor or All Data customer pay time. Not to exceed \$50.00 per flat rate hour.*
- Fluids (oil, antifreeze) are capped at \$45.00 and are covered for the initial 1,000 miles.
- In service repair, parts are covered at cost. Receipt for parts purchased must be supplied for coverage.

Over the counter sales – installed by Vehicle Owner:

- Current motor or all data customer pay time. To be paid at \$25.00 per flat rate hour, not to exceed \$300.00*

Stationary, agricultural, and industrial sales:

- Parts and labor not to exceed \$450.00 – total charges.

Marine sales:

- Parts and labor not to exceed \$750.00 – total charges.

***All parts and labor payments subject to approval upon inspection of the remanufactured engine, transmission, component, or parts by Remanufacturer**