



RAPTOR ENGINES WARRANTS TO THE ORIGINAL PURCHASER THAT EACH ENGINE SOLD BY RAPTOR ENGINES SHALL BE FREE OF DEFECTS IN MATERIAL AND WORKMANSHIP UNDER NORMAL USE AND WITH PERIODICAL MAINTENANCE AS SET FORTH BY THE ORIGINAL MANUFACTURER SUBJECT TO THE FOLLOWING TERMS AND CONDITIONS.

### **IMPORTANT:**

**THIS WARRANTY MUST BE ACTIVATED BY READING, SIGNING AND RETURNING THE ACTIVATION FORM INCLUDED WITH THE INSTALLATION INSTRUCTIONS SUPPLIED WITH THE ENGINE EITHER IN PERSON OR BY MAIL. THIS WARRANTY IS VOID WITH OUT AN ACTIVATION NUMBER ISSUED BY RAPTOR ENGINES.**

### **DEFINITIONS:**

**ENGINE:** AS USED IN THIS WARRANTY REFERS TO THE REMANUFACTURED ASSEMBLY (BASIC BLOCK, CYLINDER HEAD AND INTERNAL COMPONENTS) AS SUPPLIED BY RAPTOR ENGINES.

### **TERM:**

**STANDARD WARRANTY:** THIS WARRANTY SHALL EXIST FOR 7 YEARS OR 70,000 MILES, WHICHEVER OCCURS FIRST. WARRANTY TERM BEGINS ON DATE OF PURCHASE. THE STANDARD WARRANTY APPLIES TO ALL OF RAPTOR ENGINES PRODUCTS WITH THE FOLLOWING EXCEPTIONS.

SHORT BLOCK ASSEMBLIES CARRY A WARRANTY OF 12 MONTHS OR 12,000 MILES, WHICHEVER OCCURS FIRST.

TRUCKS OVER 11,000 GVW, FARM, LIFT TRUCK AND INDUSTRIAL CARRY A TERM OF 12 MONTHS. MARINE 7 YEARS, UNLIMITED HOURS.

**STANDARDS:** SUBJECT TO THE LIMITATIONS LISTED HEREIN. RAPTOR ENGINES AT ITS OPTION, SHALL REPAIR OR REPLACE A PRODUCT WITHIN THE WARRANTY TERM AFTER DETERMINATION BY RAPTOR ENGINES THAT THE PRODUCT IS DEFECTIVE. ALL PRODUCTS ARE TO BE RETURNED TO RAPTOR ENGINES FOR INSPECTION. PRODUCTS NOT RETURNED TO RAPTOR ENGINES WILL NOT BE WARRANTED. **ALL REPAIRS AND/OR REPLACEMENTS COVERED BY THIS WARRANTY MUST BE AUTHORIZED BY RAPTOR ENGINES. RAPTOR ENGINES WILL ISSUE A WARRANTY CLAIM NUMBER. UNAUTHORIZED REPAIRS OR REPAIRS MADE WITHOUT A WARRANTY CLAIM NUMBER WILL NOT BE COVERED AND WILL VOID THE WARRANTY.**

**LIMITATIONS:** THIS WARRANTY APPLIES TO PRODUCTS ORIGINALLY SUPPLIED BY RAPTOR ENGINES. THIS WARRANTY DOES NOT APPLY OR INCLUDE ANY OF THE FOLLOWS:

- A. DAMAGES AS A RESULT OF OVERHEATING, LACK OF LUBRICATION OR CONTAMINATION. MELTED OR REMOVED HEAT TAB.
- B. DAMAGE RESULTING FROM PRE-IGNITION OR DETONATION OR FUEL WASH. THIS INCLUDES BUT IS NOT LIMITED TO MELTED, BROKEN OR SCORED PISTONS, BROKEN PISTON RINGS OR RING LANDS. SCORED CYLINDER WALLS. DAMAGED CYLINDER HEADS, WARPED CYLINDER HEADS, CRACK CYLINDER HEADS AND BLOWN OR LEAKING HEAD GASKETS.
- C. REPAIR OR REPLACEMENT AS A RESULT OF ACCIDENT OR MISUSE.
- D. FAILURE DUE TO ANY ACCESSORY OR SERVICE ITEM, INCLUDING SPECIFICALLY BUT NOT LIMITED TO: ALL COMPONENTS OF THE COOLING, FUEL, ELECTRICAL AND IGNITION SYSTEMS IN ADDITION TO ALL BELTS, HOSES AND FILTERS.
- E. ANY PRODUCT USED FOR COMPETITION, RACING, HIGH PERFORMANCE OR RELATED PURPOSES.
- F. APPLICATIONS RE-USING A REMOTE OIL COOLERS MUST BE REPLACED NEW OR THE WARRANTY BECOMES VOID.
- G. ANY PRODUCT IN WHICH PERIODIC MAINTENANCE SERVICES REQUIRED BY THE ORIGINAL MANUFACTURER HAS NOT BEEN PERFORMED.
- H. BROKEN CRANKSHAFTS OR DAMAGE TO THRUST BEARINGS.
- I. FAILURE TO PROPERLY CLEAN INTAKE MANIFOLD AND ALL TIN INSTALLED BACK ONTO THE ENGINE.
- J. AFTERMARKET TURBOCHARGERS, NITROUS OR SUPERCHARGERS.
- K. OIL SEAL LEAKS ARE WARRANTED FOR 30 DAYS. (NO EXCEPTIONS) DEFECTIVE OIL SEALS MUST BE RETURNED TO THE MANUFACTURER FOR INSPECTION BEFORE ANY LABOR CLAIM WILL BE CONSIDERED.
- L. OIL AND WATER GALLEY PLUGS ARE NOT COVERED UNDER WARRANTY AFTER INSTALLATION. THESE PLUGS SHOULD BE INSPECTED PRIOR TO INSTALLATION. (NO EXCEPTIONS).
- M. OHC HYDRAULIC LIFTERS, REPLACEMENT ONLY WARRANTY (NO LABOR CLAIMS PAID).

**LIMITED LIABILITY:** RAPTOR ENGINES LIABILITY UNDER THIS WARRANTY IS LIMITED SOLELY TO THE REPAIR OR REPLACEMENT OF DEFECTIVE PRODUCT. RAPTOR ENGINES SHALL NOT BE LIABLE FOR ANY INCIDENTAL, SPECIAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES, INCLUDING BUT NOT LIMITED TO RENTAL CARS, TOWING FEES, SHIPPING, LOSS OF INCOME, LOSS OF REVENUE, LABOR COSTS INCLUDING DIAGNOSIS, TESTING, REMOVING OR INSTALLING PRODUCTS OR ANY SERVICE NOT EXPRESSLY PROVIDED HEREIN, RELATING TO OR ARISING FROM THE GEM PRODUCT.

**LIMITED LIABILITY:** THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE, ON THE PART OF RAPTOR ENGINES OR THE DEALER INSTALLING THE PRODUCT. NO DEALER NOR ANY AGENT OR EMPLOYEE THEREOF, IS AUTHORIZED TO EXTEND OR MODIFY THIS WARRANTY.

**ANY WARRANTY CLAIMS PAID ARE BASED ON \$35.00 PER HOUR MITCHELL FLAT RATE AND WILL ONLY BE PAID TO CERTIFIED REPAIR FACILITIES WITH A VALID EIN NUMBER. ALL OTHER WARRANTY CLAIMS SUCH AS SELF INSTALLATION OR MECHANICS WITHOUT A VALID EIN NUMBER WILL BE REIMBURSED AT THE RATE OF \$20.00 PER HOUR Under no circumstances shall the warranty claim exceed the cost of the engine.**

**BUYER AGREES TO: SELLERS PRICE IS BASED UPON THIS LIMITED WARRANTY. WARRANTY OR REPLACEMENT SHALL BE UNDER THE CARE OF PMC DUE TO DEFECTS FROM WORKMANSHIP OR MATERIAL WITHIN THE PERIOD OF THIS WARRANTY. BUYER WILL BE RESPONSIBLE OF SHIPMENT AND LIMITED TO ONLY THE CONDITIONS OF THIS WARRANTY. BUYER AND SELLER ALSO AGREE NO BENEFITS OR WARRANTIES WILL BE HONORED IF THE INVOICE OR RELATED SERVICES REMAIN OUTSTANDING INCLUDING CORE CHARGES.**

**ADDITIONAL OWNER/ USER OBLIGATIONS:**

***READ AND FOLLOW THE ENGINE INSTALLATION INSTRUCTIONS. (PAGES 1 THRU 11)***

**READ, SIGN AND RETURN THE ENGINE INSTALLATION INSTRUCTION ACTIVATION FORM TO ACTIVATE THIS WARRANTY. (PAGE 11)**

**INITIAL STARTUP:** PRIME ENGINE USING A DRILL MOTOR AND DISTRIBUTOR ADAPTER OR PRESSURE TANK (**DO NOT PRIME ENGINE BY CRANKING**) VALVES MUST BE ADJUSTED PRIOR TO AND AFTER CAMSHAFT BREAK-IN BY MANUFACTURER'S SPECIFICATIONS. RUN ENGINE 1800-2000 RPM FOR 20 MINUTES FOR CAMSHAFT BREAK-IN. VERIFY OIL PRESSURE\_\_ VERIFY COOLANT TEMPERATURE\_\_ DUE TO VARIOUS COMPONENT DESIGNS, CYLINDER HEAD RE-TORQUE MAY OR MAY NOT BE REQUIRED IN YOUR PARTICULAR APPLICATION. REFER TO FACTORY SHOP MANUAL FOR THE PROPER PROCEDURE FOR YOUR ENGINE TYPE. IF FOR ANY REASON YOU ARE UNSURE WHAT ACTION TO TAKE PLEASE CONTACTS US AT (503)236-4700.

INSPECT OR REPLACE: PLEASE PLACE CHECK MARK X

WATER PUMP\_\_ CARBURETOR\_\_ OXYGEN SENSOR\_\_ DISTRIBUTOR\_\_ SPARK PLUGS\_\_  
SPARK PLUG WIRES\_\_ ANTI-FREEZE\_\_ BELTS\_\_ HOSES\_\_ FILTERS\_\_ RADIATOR\_\_  
THERMOSTAT\_\_ FUEL INJECTORS\_\_

HAVE YOUR ENGINE TESTED ON ELECTRONIC SCOPE, CHECK AND RECORD THE FOLLOWING:

A: TIMING AT 650 RPM (VACUUM ADVANCED PLUGGED) \_\_\_\_\_

B: TIMING AT 2000 RPM (VACUUM ANDVANCED UNPLUGGED) \_\_\_\_\_

C: AT 650 RPM CO\_\_\_\_\_ HC\_\_\_\_\_ AT 2000 RPM CO\_\_\_\_\_ HC\_\_\_\_\_

FIRST SERVICE BETWEEN 300-500 MILES AFTER INSTALLATION: OIL AND FILTER MUST BE CHANGED, VALVES RE-ADJUSTED, GASKETS AND SEALS INSPECTED FOR LEAKS, COOLANT LEVEL INSPECTED AND CYLINDER HEAD RE-TORQUED. TIGHTEN INTAKE MANIFOLD BOLTS & RE-CHECK TUNE-UP.

**FAILURE TO PERFORM THESE BASIC OPERATIONS WILL RESULT IN A VOIDED WARRANTY.**

CUSTOMER NAME\_\_\_\_\_ PHONE\_\_\_\_\_

MAKE\_\_\_\_\_ SIZE\_\_\_\_\_ YEAR\_\_\_\_\_

INVOICE #\_\_\_\_\_ PRODUCT\_\_\_\_\_ WO#\_\_\_\_\_

MILEAGE\_\_\_\_\_ PART NUMBER\_\_\_\_\_

DATE\_\_\_\_\_ VEH. LIC. #\_\_\_\_\_ SELF INSTALL YES\_\_ NO\_\_

REPAIR FACILITY\_\_\_\_\_

**ACTIVATION NUMBER**\_\_\_\_\_

**WARRANTY STARTS AT TIME OF ORGINAL PRUCHASE. NO EXCEPTIONS.  
NOT TRANSFERABLE.**

*THIS WARRANTY IS VOID WITHOUT THE ACTIVATION NUMBER SUPPLIED BY:*

*RAPTOR ENGINES*  
*8222 SE 6TH*

PORTLAND, OREGON 97202  
(503)236-4700  
TOLL FREE 800-235-3913