

# **KUBOTA Corporation**

## **FEDERAL & CALIFORNIA EMISSION CONTROL SYSTEMS LIMITED WARRANTY for NON-ROAD ENGINES (CI)**

The U.S. Environmental Protection Agency (EPA), the California Air Resources Board (CARB), and KUBOTA Corporation (KUBOTA) are pleased to explain the Federal and California Emission Control System Warranty on your non-road engine or marine engine. In California, new 2017 model year heavy duty off-road engines must be designed, built and equipped to meet California's stringent anti-smog standards adopted by the Air Resources Board pursuant to its authority in Chapter 1 and 2, Part 5, Division 26 of the California Health and Safety Code. In other states of the U.S.A., new non-road engines subject to the provisions of 40 CFR 1039 subpart A and new marine engines subject to the provisions of 40 CFR 1042 subpart A must be designed, built and equipped, at the time of sale, to meet the U.S. EPA regulations.

KUBOTA must warrant the emission control system on your Compression Ignition engine for the period of time listed below provided there has been no abuse, vandalism, neglect, improper maintenance or unapproved modifications to your engine. This emission warranty is applicable in all states of the U.S.A., its provinces and territories regardless of whether an individual state, province, or territory has enacted warranty provisions that differ from the Federal warranty provisions. This emission warranty is also applicable in all provinces and territories of CANADA.

Your emission control system may include parts such as the fuel injection system and the air induction system. Also included may be hoses, belts, connectors and other emission-related assemblies.

Where a warrantable condition exists, KUBOTA will repair your engine at no cost to you, including diagnosis (if the diagnostic work is performed at an authorized dealer), parts and labor.

### **EMISSION DESIGN AND DEFECT WARRANTY COVERAGE**

The emissions warranty period for the engine begins on the original date of sale to the initial purchaser and continues for each subsequent purchaser for the period mentioned below.

If any emission related part on your engine is defective, the part will be repaired or replaced by KUBOTA free of charge.

#### 1. For non-road engines

The emissions warranty period for all engines rated under 19kW (25 Hp) is 2000 hours of operation or two (2) years of use, whichever first occurs.

The emissions warranty period for constant speed engines rated under 37kW (50Hp) with rated speeds greater than or equal to 3000 rpm is 2000 hours of operation or two (2) years of use, whichever first occurs.

The emissions warranty period for all other engines not already listed is 3000 hours of operation or five (5) years of use, whichever first occurs.

#### 2. For marine engines (commercial Category 1)

The emissions warranty period for all engines rated under 19kW (25 Hp) is 1500 hours of operation or two and a half (2.5) years of use, whichever first occurs.

The emissions warranty period for all engines rated at or above 19 kW (25 Hp) and under 37kW (50 Hp) is 2500 hours of operation or three and a half (3.5) years of use, whichever first occurs.

The emissions warranty period for all engines rated at or above 37kW (50 Hp) is 5000 hours of operation or five (5) years of use, whichever first occurs.

### **OWNER'S WARRANTY RESPONSIBILITIES**

- (a) As the engine owner, you are responsible for the performance of the required maintenance listed in your KUBOTA operator's manual. KUBOTA recommends that you retain all receipts covering maintenance on your engine, but KUBOTA cannot deny a warranty claim solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

- (b) As the engine owner, you should be aware, however, that KUBOTA may deny your warranty coverage if your engine or a part has failed due to abuse, vandalism, neglect, improper maintenance or unapproved modifications.
- (c) Your engine is designed to operate on Ultra Low Sulfur Diesel Fuel only. Use of any other fuel may result in your engine no longer operating in compliance with Federal or California's emissions requirements.
- (d) You are responsible for presenting your engine to the nearest dealer or service station authorized by KUBOTA when a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.
- (e) If you have any questions regarding your warranty rights and responsibilities or the location of the nearest authorized dealer or distributor, you should contact:

KUBOTA ENGINE AMERICA CORPORATION, Service Department at 1-800-532-9808, kea\_g.eewri@kubota.com or KUBOTA TRACTOR CORPORATION, National Service Department at 1-800-558-2682, KubotaEmissionsWarranty@kubota.com or KUBOTA CANADA LTD at (905) 294-7477.

## **COVERAGE**

KUBOTA warrants to the initial purchaser and each subsequent purchaser that your engine will be designed, built and equipped, at the time of sale, to meet all applicable regulations. KUBOTA also warrants to the initial purchaser and each subsequent purchaser that your engine shall be free from defects in materials and workmanship which cause the engine to fail to conform to applicable regulations for the period mentioned above from the original date of sale.

KUBOTA shall remedy warranty defects at any authorized KUBOTA engine dealer or warranty station. Any authorized work done at an authorized dealer or warranty station shall be free of charge to the owner if such work determines that a warranted part is defective. Any KUBOTA approved or equivalent replacement part (including any KUBOTA approved aftermarket part) may be used for any warranty maintenance or repairs on emission related parts, and must be provided free of charge to the owner if the part is still under warranty.

KUBOTA is liable for damages to other engine components caused by the failure of a warranted part still under warranty. The use of replacement parts not equivalent to the original parts may impair the effectiveness of your engine emission control system. If such a replacement part is used in the repair or maintenance of your engine, and KUBOTA determines it is defective or causes a failure of a warranted part, your claim for repair of your engine may be denied.

Listed below are the parts covered by the Federal and California Emission Control Systems Warranty. Some parts listed below may require scheduled maintenance and are warranted up to the first scheduled replacement point for that part. The warranted parts are (if applicable):

- 1) Air-Induction System
  - a) Intake Manifold
  - b) Turbocharger System
  - c) Charge Air Cooling System (Intercooler)
- 2) Catalyst or Thermal Reactor System
  - a) Catalytic converter
  - b) Exhaust manifold
- 3) Fuel Injection System
  - a) Fuel Supply Pump (Common Rail System)
  - b) Injector
  - c) Injection Pipe
  - d) Common Rail
  - e) Smoke Puff Limiter
  - f) Speed Timer
  - g) Cold Advance Timer
  - h) Injection Pump
- 4) Electronic Control System
  - a) ECU
  - b) Engine Speed / Timing Sensor
  - c) Accelerator Position Sensor
  - d) Coolant Temperature Sensor
  - e) Atmospheric Pressure Sensor
  - f) Intake Pressure Sensor
  - g) Intake Manifold Temperature Sensor
  - h) Intake Air Flow Sensor
  - i) Common Rail Pressure Sensor
- 5) Exhaust Gas Recirculation System
  - a) EGR Valve
  - b) EGR Cooler
  - c) EGR Valve Opening Rate Sensor
- 6) Particulate Controls
  - a) Any device used to capture particulate emissions.
  - b) Any device used in the regeneration of the particulate control device.
  - c) Control Device Enclosures and Manifolding
  - d) Diesel Particulate Filter Temperature Sensor
  - e) Differential Pressure Sensor
- 7) Advanced Oxides of Nitrogen (NOx) Controls
  - a) Selective Catalytic Reduction (SCR) Catalyst
  - b) Reductant (urea) Containers
  - c) Dispensing Systems
  - d) NOx Sensor
  - e) SCR Temperature Sensor
  - f) Any Sensor for Diesel Exhaust Fluid
- 8) Miscellaneous Items
  - a) Closed Breather System
  - b) Hoses\*, Clamps\*, Fittings, Tubing\*
  - c) Gaskets, Seals
  - d) Kubota supplied engine Wiring Harnesses
  - e) Kubota supplied engine Elec. Connectors
  - f) Air Cleaner Element\*, Fuel Filter Element\*
  - g) Emission Control Information Labels

\*Warranty period is equivalent to manufacturer's recommended first replacement interval as stated in the applicable model's operator's manual and/or service (workshop) manual.

## **MAINTENANCE REQUIREMENTS**

The owner is responsible for the performance of the required maintenance as defined by KUBOTA in the operator's manual.

## **LIMITATIONS**

This Emission Control System Warranty shall not cover any of the following;

- (a) Repair or replacement required because of misuse or neglect, improper maintenance, repairs improperly performed or replacements not conforming to KUBOTA specifications that adversely affect performance and/or durability, and alteration or modifications not recommended or approved in writing by KUBOTA.
- (b) Replacement of parts and other services and adjustments necessary for required maintenance at and after the first scheduled replacement point.