

## Large SI Above 1 Liter

### **KUBOTA Corporation FEDERAL & CALIFORNIA EMISSION CONTROL SYSTEMS LIMITED WARRANTY for FEDERAL LARGE NON-ROAD SI ENGINES and CALIFORNIA OFF-ROAD LARGE SI ENGINES (LSI)**

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 engine. In California, new Off-Road Large SI (Spark-Ignition) engines produced in 2020 model year must be designed, built and equipped to meet the California's stringent anti-smog standards. In other states, 2020 model year SI engines must be designed, built and equipped, to meet the U.S. EPA regulations for Large Non-Road SI engines. KUBOTA must warrant the emission control system on your Off-Road Large SI engine for the period of time listed below provided there has been no abuse, neglect, or improper maintenance to your engine.

Your emission control system may include parts such as the carburetor or fuel-injection system, the ignition system, and catalytic converter. 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, parts and labor.

#### **MANUFACTURER'S WARRANTY COVERAGE**

For emissions-related parts, the 2020 Off-Road Large SI engines are warranted for 2500 hours of operation or three (3) years of use, whichever first occurs.(see list below)

For high-priced emission-related parts, the 2020 Off-Road Large SI engines are warranted for 3500 hours of operation or five (5) years of use, whichever first occurs. (see list below)

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

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

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

- As the off-road large spark-ignition engine owner, you should however be aware that KUBOTA may deny you warranty coverage if your off-road large spark ignition engine or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

- Your engine is designed to operate on gasoline, LPG, or natural gas only. Use of any other fuel may result in your engine no longer operating in compliance with California's emissions requirements.

- You are responsible for initiating the warranty process. The ARB suggests that you present your off-road large spark-ignition engine to a KUBOTA dealer as soon as a problem exists. The warranty repairs should be completed by the dealer as expeditiously as possible.

If you have any questions regarding your warranty rights and responsibilities, you should contact at:

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.

#### **DEFECTS WARRANTY COVERAGE**

The emissions warranty period for the engine begins on the date the engine or equipment is delivered to an ultimate purchaser.

KUBOTA warrants to the ultimate purchaser and each subsequent purchaser that your engine shall be:

- (I) Designed, built and equipped so as to conform with all applicable regulations adopted by the Air Resources Board pursuant to its authority in Chapters 1 and 2, Part 5, Division 26 of the Health and Safety Code.
- (II) Free from defects in materials and workmanship that cause the failure of a warranted part for 2500 hours of operation or three (3) years of use, whichever first occurs for emissions-related parts, and for 3500 hours of operation or five (5) years of use, whichever first occurs for high-priced emission-related parts.

The warranty on emissions-related parts will be interpreted as follows:

- (1) Any warranted part that is not scheduled for replacement as required maintenance in the written instructions specified below must be warranted for the warranty period as defined above in (II). If any such part fails during the period of warranty coverage, it must be repaired or replaced by the engine manufacturer according to Subsection (4) below. Any such part repaired or replaced under the warranty must be warranted for the remaining warranty period.
- (2) Any warranted part that is scheduled only for regular inspection in the written instructions specified below must be warranted for the warranty period defined as above in (II). A statement in such written instructions to the effect of "repair or replace as necessary" will not reduce the period of warranty coverage. Any such part repaired or replaced under warranty must be warranted for the remaining warranty period.
- (3) Any warranted part that is scheduled for replacement as required maintenance in the written instructions specified below must be warranted for the period of time prior to the first scheduled replacement point for that part. If the part fails prior to the first scheduled replacement, the part must be repaired or replaced by the engine manufacturer according to Subsection (4) below. Any such part repaired or replaced under warranty must be warranted for the remainder of the period prior to the first scheduled replacement point for the part.
- (4) Repair or replacement of any warranted part under the warranty provisions of this article must be performed at no charge to the owner at a warranty station.
- (5) Notwithstanding the provisions of Subsection (4) above, warranty services or repairs must be provided at all manufacturer distribution centers that are franchised to service the subject engines.
- (6) The owner must not be charged for diagnostic labor that leads to the determination that a warranted part is in fact defective, provided that such diagnostic work is performed at a warranty station.
- (7) The engine manufacturer is liable for damages to other engine components proximately caused by a failure under warranty of any warranted part.
- (8) Throughout the engine's warranty period defined as above in (II), the engine manufacturer must maintain a supply of warranted parts sufficient to meet the expected demand for such parts.
- (9) Any replacement part may be used in the performance of any warranty maintenance or repairs and must be provided without charge to the owner. Such use will not reduce the warranty obligations of the engine manufacturer.
- (10) Add-on or modified parts that are not exempted by the Air Resources Board may not be used. The use of any non-exempted add-on or modified parts will be grounds for disallowing a warranty claim made in accordance with this article. The engine manufacturer will not be liable under this article to warrant failures of warranted parts caused by the use of a non-exempted add-on or modified part.

### **EMISSIONS-RELATED PARTS LIST**

Each manufacturer must include a copy of the following emission warranty parts list with each new engine. Listed below are the parts covered by the Federal and California Emission Control Systems Warranty.

#### **(1) Fuel Metering System**

- (A) Fuel injection system.
- (B) Air/fuel ratio feedback and control system.
- (C) Carburetor system (internal parts and/or pressure regulator\*\* or fuel mixer or injection system).

#### **(2) Air Induction System**

- (A) Intake manifold or air intake system.
- (B) Air mass sensor assembly.
- (C) Air cleaner element\*.

#### **(3) Catalyst or Thermal Reactor System**

- (A) Catalytic converter\*\*.
- (B) Thermal reactor.
- (C) Exhaust manifold.

**(4) Positive Crankcase Ventilation (PCV) System**

- (A) PCV Valve.
- (B) Oil Filler Cap.

**(5) Ignition Control System**

- (A) Engine Control Module (ECM)\*\*.
- (B) Ignition module(s).

**(6) Miscellaneous Items Used in Above Systems**

- (A) Vacuum, temperature, and time sensitive valves and switches.
- (B) Sensors used for electronic controls.
- (C) Hoses, belts, connectors, assemblies, clamps, fittings, tubing, sealing gaskets or devices, and mounting hardware.
- (D) Pulleys, belts and idlers.

**(7) Evaporative System**

- (A) Fuel tank.
- (B) Fuel cap.
- (C) Fuel line.
- (D) Fuel line fittings.
- (E) Clamps (if equipped)
- (F) Pressure relief valves (if equipped)
- (G) Control valves (if equipped)
- (H) Control solenoids (if equipped)
- (I) Electronic controls (if equipped)
- (J) Vacuum control diaphragms (if equipped)
- (K) Control cables (if equipped)
- (L) Control linkages (if equipped)
- (M) Purge valves (if equipped)
- (N) Vapor hoses (if equipped)
- (O) Liquid / Vapor separator (if equipped)
- (P) Canister (if equipped)
- (Q) Canister mounting bracket (if equipped)
- (R) Carburetor purge port bracket (if equipped)
- (S) Fuel pressure Manifold (if equipped)
- (T) Fuel pressure Regulator (if equipped)

\*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.

\*\* High-priced emissions-related warranty parts.