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## EMISSION — RELATED WARRANTY

In this emission limited warranty, the term “Manufacturer” means Daedong-USA INC. KIOTI Tractor Division as the holder of the U.S. Environmental Protection Agency (U.S. EPA) Certificate of Conformity and California Executive Order for the vehicle. The emission control limited warranty is in addition to the standard limited warranty for your vehicle.

Your Bobcat dealer is authorized to perform all warranty and service repairs on your diesel engine. To locate a Bobcat dealer, visit [Bobcat.com](http://Bobcat.com) or call 1-800-743-4340.

### DAEDONG-USA INC. KIOTI TRACTOR DIVISION (KIOTI)

### CONSUMER WARRANTY RIGHTS & OBLIGATIONS

#### INTRODUCTION

Daedong-USA INC. **KIOTI** Tractor Division (**KIOTI**) is pleased to explain the emission control system warranty on your 2019 model year engine designed & manufactured to meet the stringent requirements of Tier IV.

In North America, new engines must be designed; built and equipped to meet the EPA's reduced emission standards & California's stringent anti-smog standards.

**KIOTI** must warrant the emission control system on your engine for the periods of time listed below provided there has been no abuse, neglect or improper maintenance of your engine.

Additional conditions and responsibilities are further outlined below. Where a warrantable condition exists, **KIOTI** will repair your engine at no cost to you including diagnosis, parts and labor.

The warranty period shall begin on the date the engine is first placed in service (Date of sale).

This emissions warranty is applicable in all provinces, states and territories of the United States of America and complies with the policies of Federal Warranty Provisions. This warranty is also applicable in all provinces & territories of Canada.

#### MANUFACTURER'S WARRANTY COVERAGE:

**KIOTI** warrants to the original owner, and to each subsequent owner, of a new, diesel engine that the emission control system of your engine::

1. Was designed, built and equipped so as to conform at the time of sale with all applicable regulations of the EPA and CARB.
2. Is free from defects in material and workmanship which will cause such engine to fail to conform with applicable regulations for the following warranty period:
  - For variable speed engines rated less than 19 kW (25 HP), excluding UTV's:
    - ▷ Commercial application: Three (3) years or 2,000 hours of operation, whichever occurs first.
    - ▷ Non-Commercial application: Four (4) years
  - For all other variable speed engines rated at or above 19 kW (25 HP):
    - ▷ Commercial application: Five (5) years or 3,000 hours of operation, whichever occurs first.
    - ▷ - Non-Commercial application: Five (5) years

The emission control systems of your new **Daedong** engine were designed, built and tested using genuine **Daedong** parts, and the engine is certified as being in conformity with EPA and CARB emission control regulations.

Accordingly, it is recommended that any replacement parts used for maintenance, repair or replacement of emission control systems be genuine Daedong parts.

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Owners may choose to use any replacement part in the performance of any maintenance or non-warranty repairs although **KIOTI** recommends that the owner obtain assurance that such parts are warranted by their specific part manufacturer to be equivalent to genuine **Daedong** parts.

Any warranted part which is not scheduled for replacement as required maintenance shall be warranted for the warranty period defined above.

If any such part fails during the period of warranty coverage, it will be repaired or replaced under warranty. Any such part repaired or replaced under the warranty shall be warranted for the remaining warranty period.

Any warranted part which is scheduled only for regular inspection in the written instructions shall be warranted for the warranty period defined above.

A statement in the written instructions to the effect of "repair or replace as necessary" shall not reduce the period of warranty coverage.

Any such part repaired or replaced under warranty shall be warranted for the remaining warranty period.

Any warranted part which is scheduled for replacement as required maintenance shall 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 shall be repaired or replaced by the engine manufacturer under warranty.

Any such part repaired or replaced under warranty shall be warranted for the remainder of the period prior to the first scheduled replacement point for the part.

Repair or replacement of any warranted part under warranty shall be performed at no charge to the owner at an authorized **KIOTI** warranty station.

**KIOTI** provides warranty services or repairs at all manufacturer distribution centers (warranty stations) that are franchised to service the subject engines. Please see the Customer Assistance section of this statement for help in locating such service centers.

The owner will 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 an authorized **KIOTI** warranty station.

**KIOTI** is liable for damages to other engine components caused by the failure of a warranted part remaining under warranty.

**KIOTI** is required by EPA and CARB regulations to maintain a supply of parts sufficient to meet the expected demand for such parts during the warranty period for the engines covered by this warranty.

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

This engine is designed to operate on ultra low sulfur fuel only. Use of any other fuel may result in this engine no longer operating in compliance with applicable emissions requirements.

The purchaser is responsible for initiating the warranty process by presenting the engine to an authorized **KIOTI** Warranty Station, as soon as a problem exists. The warranty repairs should be completed by the dealer as expeditiously as possible.

Use of any add-on, modified or non-**KIOTI** approved or equivalent replacement parts may reduce or eliminate your warranty coverage. The use of any non-approved, add-on or modified parts shall be grounds for disallowing a warranty claim. **KIOTI** is not liable for warranty failures of warranted parts caused by the use of a non-approved, add-on or modified part.

The emissions control parts covered by this Emission Control System Warranty are listed under "What is covered by the Emission Warranty." You are responsible for the performance of all scheduled maintenance or repairs on your new Daedong engine.

**KIOTI** may deny a warranty claim if your failure to perform maintenance results in the failure of a warranted part. Receipts covering the performance of regular maintenance should be retained in the event questions arise concerning

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maintenance. The receipts should be transferred to each subsequent owner of the equipment with the emission warranted engines.

## **CUSTOMER ASSISTANCE**

In the event that you do not receive the warranty service to which you believe you are entitled under the Emission Control System's Warranty, you should contact KIOTI at the address below for assistance. If you need additional assistance or information concerning the Emission Control System Warranty, contact KIOTI at the address below for assistance.

Daedong-USA, INC.

KIOTI Tractor Division

6300 Kioti Drive

Wendell, NC 27591

Tel. No. ; 1-919-374-5100

Fax. No. ; 1-919-374-5001

## **WHAT IS NOT COVERED BY THE EMISSION WARRANTY**

This warranty does not cover:

1. Malfunctions in any part caused by any of the following: misuse, abuse, improper adjustments, modifications, alteration, tampering, disconnection, improper or inadequate maintenance, or use of fuels not recommended for the engine as described in the Owner's Manual.

**KIOTI** is also not responsible for coverage on parts due to repairs not properly performed or the use of replacement parts not conforming to KIOTI specifications that may affect engine performance and/or durability.

2. Damage resulting from accident, acts of nature or other events beyond the control of Manufacturer.
3. The replacement of expendable maintenance items such as exhaust system, filters, hoses, belts, oil, thermostat, and coolant made in connection with scheduled maintenance services once these parts have been replaced.
4. Replacement items which are not genuine Daedong parts or not authorized or approved by **KIOTI** in writing.
5. Loss of time, inconvenience, loss of use of equipment, engine or commercial loss.

## **WHAT IS COVERED BY THE EMISSION WARRANTY**

### **IMPORTANT**

- **This may not include expendable maintenance items such as nozzle assemblies and rubber flanges.**
- **Emission related parts requiring scheduled maintenance are warranted until their first scheduled replacement point only.**

The following is a list of systems and parts that are considered a part of the Emission Control System and are covered by the Emission Warranty for engines which were built to conform to EPA and CARB regulations for certain MY 2019 engines.

This emission control system warranty applies to the following emission control parts:

1. Air Induction System
  - Intake Manifold
  - Turbocharger System
  - Air Control Valve

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## 2. Exhaust Gas Recirculation System

- Exhaust manifold
- EGR Valve
- EGR Cooler

## 3. Fuel System

- Fuel Supply Pump
- Injector
- Injection Pipe
- Common Rail
- Injection Pump

## 4. Sensors and Electronic Control System

- ECU
- Crank Position Sensor
- Cam Position Sensor
- Coolant Temperature Sensor
- Atmospheric Pressure Sensor
- Intake Manifold Pressure Sensor
- Intake Manifold Temperature Sensor
- Intake Air Flow Sensor
- Common Rail Pressure Sensor
- Exhaust Manifold Temperature Sensor

## 5. Exhaust Manifold Temperature Sensor

- Any device used to capture particulate emissions
- Any device used in the regeneration of the particulate control device
- Diesel Particulate Filter Temperature Sensor
- Differential Pressure Sensor
- Diesel Oxidation Catalyst