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# EMISSION — RELATED WARRANTY

## BOBCAT COMPANY

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

#### OWNER'S WARRANTY RIGHTS AND OBLIGATIONS

The U.S. Environmental Protection Agency (EPA), the California Air Resources Board (ARB), and Bobcat Company are pleased to explain the Federal and California Emission Control System Warranty on your 2020MY to 2022MY non-road engine. DOOSAN INFRACORE has designed, built and equipped the engine so as to conform at the time of sale with all applicable regulations of the EPA and of the California ARB. In California, new heavy-duty off-road engines must be designed, built and equipped to meet the State's stringent anti-smog standards.

Bobcat Company must warrant to the initial owner, and each subsequent owner, the emission control system on your engine for the periods of time listed below provided there has been no abuse, neglect, improper maintenance or unapproved modifications of your engine. Your emission control system may include those parts listed below:

**1. Fuel Metering System**

Fuel Supply Pump (HP Pump), Injector, Common Rail, Glow Plug

**2. Air-Induction System**

Intake Manifold, Turbocharger System

**3. Exhaust Gas Recirculation (EGR) System**

EGR Valve, EGR Cooler

**4. Catalyst or Thermal Reactor System**

Diesel Oxidation Catalyst (DOC), Exhaust Manifold

**5. Positive Crankcase Ventilation (PCV) System**

PCV Valve

**6. Electronic Control System**

ECU, Cam / Crank Sensor, Coolant Temperature Sensor, MAF Sensor, MAP Sensor (Manifold Pressure Sensor), Inlet Boost Temperature Sensor, Fuel Temperature Sensor, Common Rail Pressure Sensor

**7. Miscellaneous Items Used In Above Systems**

Temperature and time sensitive valve and switches  
Solenoids and wiring harnesses  
Hoses, clamps, fittings and tubing, sealing gasket  
Emission control information labels

Where a warrantable condition exists, Bobcat Company will repair your heavy-duty off-road engine at no cost to you including diagnosis, parts, and labor.

#### MANUFACTURER'S WARRANTY COVERAGE

The 2020MY to 2022MY heavy-duty off-road engines are warranted for five years or 3,000 hours of operation, whichever occurs first. If any emission-related part on your engine is defective, the part will be repaired or replaced by Bobcat Company.

The warranty period shall begin on the date the machine is delivered to the first retail customer.

#### OWNER'S WARRANTY RESPONSIBILITIES

As the heavy-duty off-road engine owner, you are responsible for the performance of the **required maintenance listed in the Operation and Maintenance Manual**. Bobcat Company recommends that you retain all receipts covering maintenance on your heavy-duty off-road engine, but Bobcat Company cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

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

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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 the EPA's emissions requirements. You are responsible for initiating the warranty process. The EPA and California ARB suggest that you present your heavy-duty off-road engine to your Bobcat 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 your nearest authorized Bobcat dealer. To locate a Bobcat dealer, visit [www.bobcat.com](http://www.bobcat.com) or call 1-800-743-4340, or contact:

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