

Natural Gas Engines

Worldwide G-Drive New Engine Warranty

The warranty on Consumer Products in the United State is a LIMITED warranty under U.S.A. law.

Products Warranted

This warranty applies to Spark Ignited base engines (Engines) marketed by Cummins Natural Gas Engines, Inc. (CNGE), and delivered to the first user on or after June 1, 1998, for use in any location in the world where CNGE approved service is available through a CUMMINS distributor. This warranty applies to only those CNGE Engines that are installed in generator applications with the exception of those generator applications with the brand name of "ONAN". This warranty does NOT apply to CNGE engines in a co-generation application.

These Engines will have the following rating designations:

Standby Power Rating

Engines of this rating are applicable for supplying emergency power for the duration of the utility power outage. No overload capability is available for this rating. Under no condition is an Engine allowed to operate in parallel with the public utility at the Standby Power rating. This rating should be applied where reliable utility power is available. A standby rated engine is to be sized for a maximum of an 80 percent average load factor and 200 hours of operation per year. This includes less than 25 hours per year at the Standby Power rating. Standby rating should never be applied except in true emergency power outages. Negotiated power outages contracted with utility company are not considered an emergency.

Limited – Engine Warranty Certificate

Unlimited Time Prime Power Rating

Engines with this rating are available for an unlimited number of hours per year in a variable load application. Variable load is not to exceed 70 percent of the average Prime Power Rating during any operating period of 250 hours. Total operating time at 100 percent Prime Power shall not exceed 500 hours per year.

A 10 percent overload capability is available for a period of one hour within a twelve hour period of operation. Total operating time at the 10 percent overload power shall not exceed 25 hours per year.

Limited Time Prime Power Rating

Engines of this rating are available for a limited number of hours in a non-variable load application. It is intended for use in situations where power outages are contracted, such as in utility power curtailment. Engines may be operated in parallel to the public utility up to 750 hours per year at power levels never to exceed the Prime Power rating.

Limited Time Prime Power ratings differ from Unlimited Time Prime Power ratings in that even though the maximum power output of the engines are the same, the Limited Time Prime Power rating allows the Engines to be parallel to Public Utility and run at the full Prime Power rating. The Prime Power rating must never be exceeded.

Continuous/Base Power Rating

Engines with this rating are available for supplying utility power at a constant 100 percent load for an unlimited number of hours per year. No overload capability is available for this rating.

Continuous/Base Power ratings differ from Unlimited Time Prime Power ratings in that the Continuous/Base Load ratings are significantly reduced from the Prime Power ratings. Continuous/Base Load ratings have no load factor or application restrictions other than Co-Generation.

COVERAGE

Base Engine Warranty

This warranty covers any failures of the Engine, except for maintenance items, under normal use and service, which result from a defect in material or factory workmanship (Warrantable Failure). The Base Engine Warranty applies to the carburetor, ignition generator or distributor, governor and controller, and the secondary low pressure gas regulator if supplied with the Engine by CNGE.

Coverage begins with the sale of the Engine by CNGE and continues for the Duration stated below. The Duration commences either on the date of delivery of the Engine to the first user, or on the date the Engine is first leased, rented or loaned, or when the product has been run for 50 hours, whichever of the three occurs first.

Extended Major Components Warranty

The Extended Major Components Warranty applies to Engines other than the B or C series and covers Warrantable Failures of the Engine cylinder block, camshaft, crankshaft and connecting rods (Covered Parts). Bushing and bearing failures are not covered. This coverage begins with the expiration of the Base Engine Warranty and continues for the Duration stated below. The Duration commences either on the date of delivery of the Engine to the first user, or on the date the Engine is first leased, rented or loaned, or when the product has been run for 50 hours, whichever of the three occurs first.

Owners Responsibilities

During the Base Engine Warranty and Extended Major Components Warranties

Owner is responsible for the operation and maintenance of the Engine within its rated capacity and as specified in the applicable CNGE Operation and Maintenance Manual. Owner is also responsible for providing proof that all recommended maintenance has been performed.

Before the expiration of the applicable warranty, Owner must notify a CUMMINS distributor, authorized dealer or other repair location approved by CNGE of any Warrantable Failure and make the Engine available for repair by such facility. Locations in the United States and Canada are listed in the Cummins United States and Canada Sales and Service Directory; other locations are listed in the Cummins International Sales and Service Directory.

Owner is responsible for communication expenses, meals, lodging and similar costs incurred as a result of a Warrantable Failure.

Owner is responsible for non-Engine repairs and for "downtime" expenses, fines, all applicable taxes, all business costs and other losses resulting from a Warrantable Failure.

Owner is responsible for all overtime premium, waiting time charges, and all travel expense not identified above as CNGE responsibility, including air fares, boat fares, remote lodging, mechanic's time, and all other travel expenses.

Owner is responsible for maintaining an operating Engine hour-meter. If the hour-meter is not operational, engine usage will be estimated at 400 hours per month.

Owner is responsible for providing sufficient access to and reasonable ability to remove the Engine from the installation in the event of a Warrantable Failure.

Limitations

CNGE is not responsible for failures or damage resulting from what CNGE determines to be abuse or neglect, including, but not limited to; operation without adequate coolant or lubricants, over-fueling, over-speeding, overloading, operation at excessive coolant and exhaust temperatures, operation at elevated ambient temperatures without proper de-ration; lack of maintenance of lubricating, cooling, or intake systems; improper storage, starting, warm-up, run-in, or shut-down practices, progressive damage resulting from a defective shutdown or warning device or unattended Engine; or if the Engine and/or Accessory is determined to have been modified so as to substantially alter its operating characteristics.

CNGE is not responsible for failures resulting from power output overload, or other non-Engine controlled factors, including, but not limited to; backfiring due to fuel mixture or ignition timing setting; detonation or deterioration due to fuel composition, ignition timing, or high ambient temperatures, non-starting due to low or high gas pressure or cold weather operation.

CNGE is not responsible for failures of maintenance items such as lubricating oil, antifreeze or coolant, filter elements, spark plugs, spark plug wires, belts after 500 hours or one year (whichever occurs first, hoses and other maintenance items that may need to be replaced from time to time.

CNGE is not responsible for failures caused by incorrect fuel, insufficient fuel quantities or fuel pressure, or by water, dirt, or other chemical contaminants in the fuel.

CNGE Responsibilities

During Base Engine Warranty

CNGE will pay for all parts and labor needed to repair the damage to the Engine resulting from a Warrantable Failure.

CNGE will pay for the lubricating oil, antifreeze, filter elements, spark plugs, spark plug wires, belts, hoses and other maintenance items that are not reusable due to a Warrantable Failure.

CNGE will pay reasonable travel expenses for mechanics to and from the equipment site, including meals, mileage, and lodging, when necessary for mechanics to make on-site Warranty repairs on Engines which are 300 miles or less from the repair location and can be reached in a service van.

If it is necessary to travel by air or water to reach the equipment, CNGE will pay only for mileage and travel time in a service van to and from the debarkation point and only if the travel distance to the debarkation point is 300 miles or less each way.

CNGE will pay reasonable labor costs for Engine removal and reinstallation when necessary to make the warranty repair. Contact CNGE for prior approval.

During the Extended Major Components Warranty

CNGE will pay for the repair or, at its option, replacement of the defective Covered Part and any Covered Part damaged by a Warrantable Failure of the defective Covered Part.

Owners Responsibilities

During the Base Engine Warranty

Owner is responsible for the cost of lubricating oil, antifreeze, filter elements, spark plugs, spark plug wires, belts, hoses, and other maintenance items replaced during warranty repairs unless such items are not reusable due to a Warrantable Failure.

During the Extended Major Components Warranty

Owner is responsible for the cost of all labor needed to repair the Engine, including the labor cost for Engine removal and reinstallation. When CNGE elects to repair a part instead of replacing it, the Owner is not responsible for the labor needed to repair the part.

Owner is responsible for the cost of all parts required for the repair except for the defective Covered Part and any Covered Part damaged by a Warrantable Failure of the defective Covered Part.

Owner is responsible for the cost of lubricating oil, antifreeze, filter elements, spark plugs, spark plug wires, belts, hoses, and other maintenance items replaced during a Warrantable Failure.



Accessory Warranty

The Accessory Warranty applies only to those products installed and sold by CNGE with the warranted engine, but which bear the name of manufacturers other than CNGE, Cummins, or Cummins ReCon. This includes, but is not limited to; alternators, starters, air cleaners, fans, and safety shutdown switches. The Accessory Warranty covers Warrantable Failures of the Accessories that occur after the sale of the Accessory by CNGE and before the Accessory Warranty expiration as listed in the Base Engine Warranty Expiration Table.

Note: You may be entitled to a longer period of warranty coverage by the individual Accessory Manufacturers. For that coverage over and above the coverage listed in this certificate, contact the Accessory Manufacturers directly.

WARRANTY EXPIRATION TABLES

Base Engine Warranty	Accessory Warranty				
Rating	Duration Months or Hours (Whichever Occurs First)		Duration Months or Hours (Whichever Occurs First)		
_					
Standby Power	24	1,500	12	750	
Unlimited Prime Power	12	Unlimited	6	4,000	
Limited Prime Power	12	750	6	375	
Continuous/Base Power	12	Unlimited	12	4,000	

Note: Additional Extended Base Engine Coverage for the Standby Power Rating may be purchased. Contact your closest Cummins Distributor for details.

Extended Major Components Warranty

Note: Extended Major Components Warranty does not apply to the B & C series of Engines.

Rating	Duration Months or Hours (Whichever Occurs First)	
Standby Power	36	2,250
Unlimited Prime Power	36	10,000
Limited Prime Power	36	2,250
Continuous/Base Power	36	10,000

Consumer Products

This warranty on Consumer Products in the United States is a LIMITED warranty under U.S.A. law.

IN NO EVENT IS CNGE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Any implied warranties applicable to Consumer Products terminate concurrently with the expiration of the express warranties applicable to such products.

In the United States, some states do not allow the exclusion of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.

These warranties are made to all Owners in the chain of distribution, and coverage continues to all subsequent Owners until the end of the periods of coverage.

Limitations

CNGE is not responsible for Engine performance problems of failures resulting from:

- 1. Use or application of the Engine inconsistent with its rating designation as set forth above.
- 2. Inadequate or incorrect installations deviating from Cummins Generator Drive Installation Guidelines.

This warranty does not apply to accessories not supplied by CNGE. This category includes, but is not limited to: alternators, starters, fans, radiators, filters, air cleaners, safety shutdown switches and gauges.

This warranty does not apply to those accessories listed under Base Engine Warranty if those accessories are not supplied by CNGE. This includes carburetors, ignition generators or distributors, governors and controllers, and secondary low-pressure gas flow regulators.

All warranties are void and non-binding on CNGE if, the Engine and/or Accessory are used in a co-generation application.

All warranties are also void and non-binding, if at the time of failure, the Engine or Accessory is determined to have been modified so as to substantially alter its operating characteristics.

Failures resulting from excessive oil consumption are not covered beyond the Base Engine Warranty. Before a claim for oil consumption will be considered, Owner must submit adequate documentation to show that oil consumption exceeds CNGE published standards.

Parts used in warranty repairs may be new CUMMINS parts, new CNGE parts, new CUMMINS DIESEL RECON parts, CNGE approved rebuilt or CNGE repaired parts.

CNGE is not responsible for failures from the use of parts not sold or supplied by CNGE with the Engine.

A new CNGE or CNGE approved rebuilt part used to repair a Warrantable Failure assumes the identity of the part it replaced and is entitled to the remaining coverage thereunder.

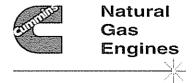
CNGE IS NOT RESPONSIBLE FOR WEAR OR WEAROUT OF COVERED PARTS.

CNGE IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

THESE WARRANTIES SET FORTH HEREIN ARE THE SOLE WARRANTIES MADE BY CNGE IN REGARD TO THESE ENGINES. CNGE MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OR OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state or country to country. In case of consumer sales, in some countries, the Owner has statutory rights that cannot be affected or limited by the terms of this warranty.

Nothing in this warranty excludes or restricts any contractual rights the Owner may have against third parties.



CUMMINS NATURAL GAS ENGINES, INC.

8713 Airport Freeway, Suite 316 Fort Worth, Texas 76180 (817) 581-7575 Fax (817) 581-4548