



Standard Limited Warranty

North America (U.S.A. & Canada)

Blue Bird Body Company (Blue Bird) warrants each bus to be free from defects in material and workmanship under normal use and service within the limits described below:

1. For a period of five (5) years from date of delivery to the original user, Blue Bird warrants the:
 - Interior and exterior paint adhesion to the body shell (those components forming side walls, roof, front and rear sections), doors (entrance/exit, emergency, compartments), BBCV hoods, and front/rear bumpers.
2. For a period of five (5) years/100,000 miles/160,000 kilometers, whichever occurs first from date of delivery to the original user, Blue Bird warrants the:
 - Chassis frame rails and cross-members to be free from defects in structural integrity (breaking or cracking).
 - Body shell (those structural metal components welded or riveted together forming floor, side walls, roof, front and rear sections) to be free from defects in structural integrity (breaking or cracking) including rust-through.
 - School bus seat frames and barrier frames to be free from defects in structural integrity (breaking or cracking).
 - Blue Bird emissions components not covered by the engine manufacturer conform with all U.S. federal emissions regulations at the time of manufacture and that they are free from defects in material or workmanship which would cause them not to meet the U.S. federal emissions regulations. Refer to the engine manufacturer's limited warranty statement for emissions warranty coverage by the engine manufacturer.
3. For a period of four (4) years/50,000 miles/80,000 kilometers, whichever occurs first from date of delivery to the original user, Blue Bird warrants the:
 - Front axle assembly, including king pins, I-beam, bushings and spindles, excluding brakes and axle ends.
 - Rear axle assembly and differential, excluding brakes and axle ends.
4. For a period of three (3) years/36,000 miles/60,000 kilometers, whichever occurs first from date of delivery to the original user, Blue Bird warrants the:
 - Comfort Aire® integrated air conditioner, if equipped, subject to documented annual service inspections. Contact your Blue Bird Dealer for assistance.
5. For a period of two (2) years from date of delivery to the original user, Blue Bird warrants the:
 - School bus passenger and driver windows. Transit-style windows not included.
6. For a period of two (2) years from date of manufacture, Blue Bird warrants the:
 - Paint gloss: Gloss reading shall not drop below 60 on 60° meter (70% of initial gloss).
 - Paint color retention: Color coat shall not shift colors more than 4ΔE from the centroid of the national standard
7. For a period of two (2) years/24,000 miles/40,000 kilometers, whichever occurs first from date of delivery to the original user, Blue Bird warrants the:
 - Suspension, excluding pins and bushings.
 - Driveshafts, support bearings and universal joints.
 - Tires (excluding wear), effective Dec. 2, 2013, conform with all U.S. federal emissions regulations at the time of manufacture and they are free of defects in material or workmanship which would cause them not to meet the U.S. federal emissions regulations. The warranties of the tire manufacturers may exceed the minimum U.S. federal emissions regulations. Refer to the tire manufacturers' limited warranty statements for complete warranty coverage by the tire manufacturers.
8. For a period of one (1) year/12,000 miles/20,000 kilometers, whichever occurs first from date of delivery to the original user, Blue Bird warrants:
 - All other components not covered in 1-7 above, except diesel engines, propane engines/fuel systems, automatic transmissions, wheelchair lifts, non-Blue Bird air conditioners, and batteries. The warranties of the diesel engine, propane engine/fuel system, automatic transmission, wheelchair lift, non-Blue Bird air conditioners, and batteries, are provided solely by, and are the responsibility of, those manufacturers and are not a part of Blue Bird's limited warranty.

Blue Bird's obligation covered in this limited warranty is limited to the repair or replacement of such parts as shall, under normal use and service, appear to have been defective in workmanship or material. This warranty is applicable to Blue Bird bus products, All American (AFE, A3RE, D3FE, D3RE, T3FE, T3RE) and Vision (BBCV), that are registered and operated in the United States of America, Canada, Puerto Rico, U.S. Virgin Islands, Guam, and American Samoa. The warranty period begins on the date the bus is delivered to the original user. During the warranty period, this warranty is transferable to subsequent Owners/Operators in U.S.A. or Canada.

THIS LIMITED WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED AND ALL OTHER OBLIGATIONS OR LIABILITIES. NO PERSON, INCLUDING SALESPERSONS, DEALERS, OR FACTORY REPRESENTATIVES OF BLUE BIRD, IS AUTHORIZED TO MAKE ANY REPRESENTATION OR WARRANTY CONCERNING BLUE BIRD PRODUCTS EXCEPT TO REFER PURCHASERS TO THIS LIMITED WARRANTY. BLUE BIRD MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. BLUE BIRD SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Contact your Blue Bird Dealer to obtain service for your Blue Bird bus. Your Blue Bird Dealer will help arrange for repairs by the Dealer or another qualified repair facility. Defects must be reported to a Blue Bird Dealer immediately upon discovery of the defect and within the warranty period as stated herein. Defects must be repaired immediately upon discovery of the defect and within the warranty period as stated herein. Unless authorized by the Blue Bird Dealer, repairs under this limited warranty are to be performed by the Blue Bird Dealer. It is the responsibility of the Owner/Operator to return the bus to the Blue Bird Dealer, or qualified repair facility authorized by the Blue Bird Dealer for warranty repairs. All claims for warranty repairs by other than the Blue Bird Dealer must be received by the Blue Bird Dealer not later than 30 days after the repair date. The owner/operator is responsible for operating and maintaining the bus as described in the Operator's and Service Manuals. All maintenance records should be retained by the owner/operator. Your Blue Bird Dealer will register the bus with Blue Bird and can assist with registering components that are warranted by the component manufacturers.

Limitations & Exclusions

In addition to the limitations described on the previous page, items specifically not covered include but are not limited to:

- Engines, automatic transmissions, wheelchair lifts, air conditioners (other than Blue Bird Comfort Aire® system), tires, and batteries. The limited warranties for these components are provided solely by and are the responsibility of those manufacturers and are not a part of Blue Bird's limited warranty.
- Loss of use and incidental consequential expenses, including but not limited to commercial loss, loss of commercial fares, driver time or pay, lease or rental of substitute vehicle, storage, lodging, meals, telephone calls and other travel costs.
- Wear, wear-out and consumption. This warranty shall not apply to any parts or components which must be repaired, replaced or adjusted during the warranty period **that are due to wear, wear-out or consumption**, including but not limited to brake pads and linings, drums and rotors, wiper blades, light bulbs, filters, lubricants, fluids, belts, bearings other than those specifically covered by the limited warranty, suspension pins and bushings, batteries, worn seat covers, worn steptreads and floor covering, worn door and window seals, discharged fire extinguishers, damaged (scratches, cracks) gauge and light lenses, and tires. Wear not only includes friction-type wear but can also include environmental deterioration including but not limited to surface corrosion on exhaust pipes/clamps and brake drums/rotors, as well as fading, cracking or discoloration of seat covers caused by U.V.
- Maintenance including but not limited to tightening loose fasteners, axle & wheel alignments, wheel-balancing, tightening body tie-downs, door adjustments, tightening hose clamps, and sealing/caulking windows, doors, roof hatches and lights.
- This warranty shall not apply to any parts or components which must be repaired, replaced or adjusted during the warranty period as a result of accident damage, abnormal operation, misuse and/or abuse, including but not limited to excessive operation on unpaved, un-maintained roads, operation on cross-country trails or off-road conditions, collision, fire, vandalism, explosion, objects striking the vehicle, theft, freezing, riot, flood.
- Paint adhesion, gloss and/or color failures resulting from accidents/abrasions, road chemicals, caustic detergents/cleaners, and/or improper maintenance. Paint adhesion failures, whether warrantable defects or non-warrantable events, that are not repaired immediately upon discovery of the failure may deteriorate the finish and/or panels underneath. Surface corrosion and/or other progressive deterioration as a result of not repairing paint adhesion failures immediately is not covered by this warranty. Contact your Blue Bird Dealer before making any repairs to the paint finish.
- Paint gloss and color failures without evidence of proper care and maintenance, as recommended in the Driver's Handbook, nor repairs to correct paint gloss or color failures without preapproval by Blue Bird. Contact your Blue Bird Dealer before making any repairs to the paint finish.
- Vehicle modifications or equipment installations performed without the written approval of Blue Bird, to the extent the modifications or equipment installations adversely affect other vehicle components or performance, Blue Bird shall not accept any product liability or claims under the terms of the limited warranty. These claims become the sole responsibility of the company performing the modifications and/or installations.
- Transportation expenses to deliver the bus to a Blue Bird Dealer or nearest qualified repair facility, including but not limited to fuel, driver time/pay, mileage and towing.
- Repairs to parts or components which have been previously replaced with parts not obtained from Blue Bird or failures caused by non-Blue Bird parts or components. Rework of repairs not performed by or approved by a Blue Bird Dealer.
- Excessive labor hours, premium labor costs, overtime labor costs, local taxes. This limited warranty covers reasonable labor to perform replacement or repair.
- Defects not reported to a Blue Bird Dealer and repaired during the warranty period. Repairs are to be made immediately upon discovery of the defect.
- Damage caused by using improper or contaminated fluids, including but not limited to fuels, lubricants and coolant. Damage caused by using fluids that do not meet Blue Bird's or the Manufacturers' minimum recommendations. Damage caused by the lack of fluids and/or improper fluid maintenance.
- Using non-Blue Bird service parts. Usage of non-Blue Bird parts will affect future warranty coverage.
- Overloading beyond the normal seated and standee capacity voids all warranties.

Blue Bird reserves the right to make changes in design and changes or improvements upon its products without imposing any obligations upon itself to install the same upon products theretofore manufactured. Any suit alleging a breach of this limited warranty or of any other alleged warranty, including any claim for rescission or revocation of acceptance, must be filed within one year of breach.

Controlling Law and Severability

This Limited Warranty shall be governed by and construed in accordance with the laws of the State of Georgia, U.S.A. The owner/operator agrees and consents to the exclusive jurisdiction of the courts of the State of Georgia for all purposes regarding this Limited Warranty and further agrees and consents that venue of any action involving this Limited Warranty or any other alleged warranty, including any claim for rescission or revocation of acceptance, shall be exclusively in Peach County, Georgia. Owner/Operator hereby submits to personal jurisdiction in Peach County, Georgia and waives any objection or argument related to venue, personal jurisdiction, forum non convenience, and/or transfer. If any portion hereof is found to be void or unenforceable, the remaining provisions of the Limited Warranty shall remain in full force and effect.

Cummins Warranty

All Engines United States And Canada School Bus

Coverage

Products Warranted

This Warranty applies to new diesel, LPG, compressed or liquid natural gas fueled Engines sold by Cummins Inc. or Cummins Westport and delivered to the first user on or after September 15, 1996, that are used in school bus* applications in the United States** or Canada.

Base Engine Warranty

The Base Engine Warranty covers any failures of the Engine which result, under normal use and service, from a defect in material or factory workmanship (Warrantable Failure). This Coverage begins with the sale of the Engine by Cummins and continues for five years or 100,000 miles (160,934 kilometers), whichever occurs first, from the date of delivery of the Engine to the first user.

Engine aftertreatment components included in the Cummins Critical Parts List (CPL) and marked with a Cummins part number are covered under Base Engine Warranty.

Extended Major Components Warranty

The Extended Major Components Warranty applies to all except ISV, ISB6.7 G, B and ISB Series Engines 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 ends three years or 300,000 miles (482,804 kilometers), whichever occurs first, from the date of delivery of the Engine to the first user.

Emission Warranty

Additional Coverage is outlined under the Emission Warranty.

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.

Cummins Responsibilities

During The Base Engine Warranty

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

Cummins will pay for the lubricating oil, antifreeze, filter elements, belts, hoses and other maintenance items that are not reusable due to the Warrantable Failure.

Cummins will pay for reasonable labor costs for Engine removal and reinstallation when necessary to repair a Warrantable Failure.

Cummins will pay reasonable costs for towing a vehicle disabled by a Warrantable Failure to the nearest

authorized repair location when necessary to make the repair for the first 2 years from the date of delivery of the Engine to the first user. In lieu of towing expenses, Cummins will pay reasonable costs for mechanics to travel to and from the location of the vehicle, including meals, mileage and lodging, when the repair is performed at the site of the failure.

During The Extended Major Components Warranty

Cummins 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.

Owner Responsibilities

During The Base Engine Warranty

Owner is responsible for the cost of lubricating oil, antifreeze, filter elements and other maintenance items provided during Warranty repairs unless such items are not reusable due to the 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 to remove and reinstall the Engine. When Cummins elects to repair a part instead of replacing it, 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 and other maintenance items replaced during the repair.

During The Base Engine And Extended Major Components Warranties

Owner is responsible for the operation and maintenance of the Engine as specified in the applicable Cummins 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 Cummins of any Warrantable Failure and make the Engine available for repair by such facility. Except for Engines disabled by a Warrantable Failure during the first two years from the date of delivery of the Engine to the first user, Owner must also deliver the Engine to the repair facility.

Service locations are listed on the Cummins Worldwide Service Locator at cummins.com.

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, passenger delays, fines, all applicable taxes, all business costs and other losses resulting from a Warrantable Failure.

Limitations

Engines with an emissions certification listed below must be operated using only diesel fuel having no more than the corresponding maximum sulfur content. Failure to use the specified fuel as listed in the Cummins Fuel Bulletin #3379001 Table 1 (Cummins Inc. Required Diesel Fuel Specifications) can damage the Engine and aftertreatment system within a short period of time. This damage could cause the Engine to become inoperable and failures attributable to the use of incorrect fuels will be denied Warranty Coverage. Fuel specifications also need to comply with local fuel regulations (EN590 for Europe and ASTM D975 for North America) for Warranty eligibility.

Maximum sulfur levels by emissions certification level as listed on the Engine's dataplate are:

EPA 2007/2010/2013/2017/2021	max. 15 parts per million
EPA Tier 4 Interim / Final / Stage V in North America	max. 15 parts per million
EU Stage IIIB 2011	max. 15 parts per million
EU Stage IV 2011	max. 15 parts per million
J Stage V	max. 10 parts per million
Euro 4/5	max. 50 parts per million
Euro 6	max. 10 parts per million

Cummins is not responsible for failures or damage resulting from what Cummins determines to be abuse or neglect, including, but not limited to: operation without adequate coolants or lubricants; overfueling; overspeeding; lack of maintenance of lubricating, cooling or intake systems; improper storage, starting, warm-up, run-in or shutdown practices; unauthorized modifications of the Engine.

Any unauthorized modifications to the aftertreatment system could negatively affect emissions certification and void the Warranty.

Cummins is also not responsible for failures caused by incorrect oil, fuel or diesel exhaust fluid or by water, dirt or other contaminants in the fuel, oil or diesel exhaust fluid.

Alternators and starters are covered for the first two years from the date of delivery of the Engine to the first user, or the expiration of the Base Engine Warranty, whichever occurs first.

Excessive oil consumption for ISV and B Series Engines is covered for the duration of the Coverage. Before a claim for excessive oil consumption will be considered, Owner must submit adequate documentation to show that consumption exceeds Cummins published standards.

Failures of belts and hoses supplied by Cummins are not covered beyond the first year from the date of delivery of the Engine to the first user or the expiration of the applicable Base Engine Warranty, whichever occurs first.

Parts used to repair a Warrantable Failure may be new Cummins parts, Cummins approved rebuilt parts or repaired parts. Cummins is not responsible for failures resulting from the use of parts not approved by Cummins.

A new Cummins or Cummins approved rebuilt part used to repair a Warrantable Failure assumes the identity of the part it replaced and is entitled to the remaining Coverage hereunder.

Cummins, Inc. reserves the right to interrogate Electronic Control Module (ECM) data for purposes of failure analysis.

CUMMINS DOES NOT COVER WEAR OR WEAROUT OF COVERED PARTS.

CUMMINS IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

THESE WARRANTIES AND THE EMISSION WARRANTY SET FORTH HEREINAFTER ARE THE SOLE WARRANTIES MADE BY CUMMINS IN REGARD TO THESE ENGINES. CUMMINS 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.

Emission Warranty

Products Warranted

This Emission Warranty applies to new Engines marketed by Cummins that are used in the United States** or Canada in vehicles designed for transporting persons or property on a street or highway. This Warranty applies to Engines delivered to the ultimate purchaser on or after January 1, 1996.

Coverage

Cummins warrants to the ultimate purchaser and each subsequent purchaser that the Engine is designed, built and equipped so as to conform at the time of sale by Cummins with all U.S. federal emission regulations applicable at the time of manufacture and that it is free from defects in material or factory workmanship which would cause it not to meet these regulations within the longer of the following periods: (A) Five years or 100,000 miles (160,934 kilometers) of operation, whichever occurs first, as measured from the date of delivery of the Engine to the ultimate purchaser, or (B) The Base Engine Warranty.

If the vehicle in which the Engine is installed is registered in the state of California, a separate California Emission Warranty also applies.

Exemptions

Engines with an emissions certification listed below must be operated using only diesel fuel having no more than the corresponding maximum sulfur content. Failure to use the specified fuel as listed in the Cummins Fuel Bulletin #3379001 Table 1 (Cummins Inc. Required Diesel Fuel Specifications) can damage the engine and aftertreatment system within a short period of time. This damage could cause the engine to become inoperable and failures attributable to the use of incorrect fuels will be denied Warranty Coverage. Fuel specifications also need to comply with local fuel regulations (EN590 for Europe and ASTM D975 for North America) for Warranty eligibility.

Maximum sulfur levels by emissions certification level as listed on the Engine's dataplate are:

EPA 2007/2010/2013/2017/2021	max. 15 parts per million
EPA Tier 4 Interim / Final / Stage V in North America	max. 15 parts per million
EU Stage IIIB 2011	max. 15 parts per million
EU Stage IV 2011	max. 15 parts per million
EU Stage V	max. 10 parts per million
Euro 4/5	max. 50 parts per million
Euro 6	max. 10 parts per million

Failures, other than those resulting from defects in material or factory workmanship, are not covered by this Warranty.

Cummins is not responsible for failures or damage resulting from what Cummins determines to be abuse or neglect, including, but not limited to: operation without adequate coolants or lubricants; overfueling; overspeeding; lack of maintenance of lubricating, cooling or intake systems; improper storage, starting, warm-up, run-in or shutdown practices; unauthorized modifications of the Engine.

Any unauthorized modifications to the aftertreatment system could negatively affect emissions certification and void the Warranty.

Cummins is also not responsible for failures caused by incorrect oil, fuel or diesel exhaust fluid or by water, dirt or other contaminants in the fuel, oil or diesel exhaust fluid.

Cummins is not responsible for non-Engine repairs, "downtime" expenses, cargo damage, fines, all applicable taxes, all business costs or other losses resulting from a Warrantable Failure.

CUMMINS IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

* A vehicle used to transport students to and from school. Vehicle must be painted yellow, should have warning lights and the words 'SCHOOL BUS' written on the front

and rear roof caps. The requirements pertaining to paint color, warning lights and 'SCHOOL BUS' inscription would not apply if the vehicle is exclusively used to transport students for school related activities and it is owned by a school district.

** United States includes American Samoa, the Commonwealth of Northern Mariana Islands, Guam, Puerto Rico and the U.S. Virgin Islands.



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US and Canada School Bus Categories - PowerDrive Systems

Coverage

Products Warranted

This Warranty applies to new PowerDrive Systems manufactured by Cummins after October 15, 2020 and delivered to the first user before January 1, 2022, that are used in School Bus categories in the United States and Canada.

The Base Warranty covers any failures of the PowerDrive System (Powertrain and High Voltage Battery) which result, under normal use and service, from a defect in material or factory workmanship (Warrantable Failure).

Powertrain Warranty

The Powertrain Warranty covers Warrantable Failures of the Powertrain. This includes the Propulsion Motor, Inverter, High Voltage Junction Box, Electric Vehicle Accessories, System Controller and Battery Management Controller.

This Coverage begins with the sale of the PowerDrive System by Cummins and ends Five (5) Years or 100,000 miles, whichever comes first, after the date of delivery of the PowerDrive System to the first user.

Battery Pack Warranty

The Battery Warranty covers Warrantable Failures of High Voltage Batteries (covered part). The Battery is defined as the main high voltage energy storage system (ESS) and consists of the following:

- Battery cells and components internal to the Pack
- Battery Management System (BMS) electronics
 - String Control Unit/Battery Disconnect Unit
 - Master Control Unit
 - Battery Telematics Unit
- Pack enclosure
- All electrical connections and components internal to the Pack

This Coverage begins with the sale of the PowerDrive system and ends Eight (8) Years, 125,000 miles, or 160,000 kWh of gross discharge throughput, whichever occurs first, after the date of delivery of the PowerDrive System to the first user.

The warranted usable capacity at the end of the warranty will be at least 70% of the initial usable capacity. Cummins will only warrant the gross throughput of the battery packs and is not responsible for any loss of vehicle range during the warranty period.



"Gross Discharge Throughput" is defined as the total energy discharged through the battery pack during its life and is tracked by the "Battery Management System" (BMS) at the pack level and reported through telemetry. This includes energy discharged while powering auxiliary systems as well as energy discharged that was recuperated from regenerative braking. Use of telematics approved by Cummins is mandatory during the warranty period. If the customer does not report telemetry data or chooses to disable or cancel the telemetry data plan during the warranty period, the warranty becomes void.

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.

Cummins Responsibilities

During The Base Warranty

Cummins will pay for all parts and labor needed to repair the damage to the PowerDrive System resulting from a Warrantable Failure.

Cummins will pay for antifreeze and other maintenance items that are not reusable due to the Warrantable Failure.

Cummins will pay for reasonable labor costs for PowerDrive System removal and reinstallation when necessary to repair a Warrantable Failure.

Cummins will pay reasonable cost for towing a disabled vehicle, or where mandated by local legislation, to the nearest authorized repair location when caused by a Warrantable Failure. In lieu of towing expense due to a Warrantable Failure, Cummins will pay reasonable cost for mechanics to travel to and from the location of the vehicle, including meals, mileage and lodging, when the repair is performed at the site of the failure.

Owner Responsibilities

During The Base Warranty

Owner is responsible for the cost of antifreeze, filter elements and other maintenance items replaced during Warranty repairs unless such items are not reusable due to the Warrantable Failure.

Owner is responsible for the operation and maintenance of the PowerDrive System as specified by Cummins. 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 Cummins of any Warrantable Failure and make the PowerDrive System available for repair by such facility. Except for PowerDrive Systems disabled by a Warrantable



Failure during the Base Warranty, the Owner must also deliver the PowerDrive System to the repair facility.

Service locations are listed on the Cummins Worldwide Service Locator at cummins.com.

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

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

Limitations

Cummins is not responsible for failures or damage resulting from what Cummins determines to be abuse or neglect, including, but not limited to: operation without adequate coolants; lack of maintenance of cooling systems; improper storage, starting, run-in or shutdown practices; unauthorized modifications of the PowerDrive System. Any unauthorized modifications to the PowerDrive System will void the Warranty. Cummins is also not responsible for failures caused by incorrect coolant.

Parts used to repair a Warrantable Failure may be new Cummins parts, Cummins approved rebuilt parts, repaired or refurbished parts. Cummins is not responsible for failures resulting from the use of parts not approved by Cummins.

A new Cummins or Cummins approved rebuilt parts, repaired or refurbished parts used to repair a Warrantable Failure assumes the identity of the part it replaced and is entitled to the remaining Coverage hereunder.

Cummins Inc. reserves the right to interrogate System Control Module (SCM) data for purposes of failure analysis.

CUMMINS DOES NOT COVER WEAR OR WEAROUT OF COVERED PARTS.

CUMMINS IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

THESE WARRANTIES SET FORTH HEREINAFTER ARE THE SOLE WARRANTIES MADE BY CUMMINS IN REGARD TO THE POWERDRIVE SYSTEM. CUMMINS 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.



** United States includes American Samoa, the Commonwealth of Northern Mariana Islands, Guam, Puerto Rico and the U.S. Virgin Islands.

Bulletin Number: **5676405**

US and Canada School Bus Applications- Battery Electric Systems

US and Canada School Bus Applications- Battery Electric Systems

Coverage

Product Warranted

This Limited Warranty is subject to the separate coverages and the exclusions and limitations described below. This Limited Warranty applies to new Battery Electric Systems sold by Cummins and delivered to the first owner on or after February 1, 2021 that are used in school bus* categories within the US and Canada**.

The Base Warranty covers any failures of the Battery Electric System (Powertrain and Battery Pack) which result, under normal use and service, from a defect in material or factory workmanship (Warrantable Failure) during the terms set forth below.

Powertrain Warranty

The Powertrain Warranty covers Warrantable Failures of the Powertrain, including Propulsion Motor, Inverter, High Voltage Junction Box, System Controller and Battery Management Controller.

This coverage begins with the sale of the Battery Electric System by Cummins and ends 5 years or 100,000 miles whichever occurs first, after the date of delivery of the Battery Electric System to the first user.

Battery Pack Warranty

The Battery Pack Warranty covers Warrantable Failures of Battery Pack (covered part).

This coverage begins with the sale of the Battery Electric System and ends 8 years or 125,000 miles, or 80MWhrs of gross discharge per pack, whichever occurs first, after the date of delivery of the Battery Electric System to the first user.

Battery state of health deterioration below 80% within the terms listed above is a warrantable failure of the Battery Electric System.

The procedure for determining state of health can be found in the service manual.

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.

Cummins Responsibilities

During The Product Warranty

Cummins will pay for all parts and labor needed to repair the damage to the Battery Electric System resulting from a Warrantable Failure.

Cummins will pay for antifreeze and other maintenance items that are not reusable due to a Warrantable Failure.

Cummins will pay for reasonable labor costs for Battery Electric System removal and reinstallation when necessary to repair a Warrantable Failure.

Cummins will pay reasonable costs for towing a disabled vehicle to the nearest authorized repair location when caused by a Warrantable Failure. In lieu of towing expenses due to a Warrantable Failure, Cummins will pay reasonable costs for mechanics to travel to and from the location of the vehicle, including meals, mileage and lodging, when the repair is performed at the site of the failure.

Owner Responsibilities

During The Product Warranty

Owner is responsible for the cost of antifreeze, filter elements and other maintenance items replaced during Warranty repairs unless such items are not reusable due to the Warrantable Failure.

Owner is responsible for the operation and maintenance of the Battery Electric System as specified in the applicable Cummins Operation and Maintenance Manuals. 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 Cummins of any Warrantable Failure and make the Battery Electric System available for repair by such facility. Except for Battery Electric Systems disabled by a Warrantable Failure during the Base Warranty such that repairs are performed at the site of the failure, the Owner must also deliver the Battery Electric System to the repair facility.

Service locations are listed on the Cummins Worldwide Service Locator at cummins.com.

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

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

Limitations

Cummins is not responsible for failures or damage resulting from what Cummins determines to be abuse or neglect, including, but not limited to: operation without adequate coolants; lack of maintenance of cooling systems; improper storage, starting, or shutdown practices; unauthorized modifications of the Battery Electric System; or use of the Battery Electric Systems or Battery Packs as a stationary power source (without the express written consent of Cummins).

Any unauthorized modifications to the Battery Electric System will void the Warranty.

Cummins is also not responsible for failures caused by incorrect coolant.

Cummins is not responsible for any Battery Pack damage resulting from attempting, either by physical means, programming, or other methods, to extend (other than as specified in Cummins Operation and Maintenance Manuals) or reduce the life of the Battery.

Cummins is not responsible for failures/damages resulting from a defect/failure within a vehicle charger or use of a charger that does not meet Cummins specifications. Cummins is solely responsible for determining if a charger meets Cummins specifications.

Parts used to repair a Warrantable Failure may be new Cummins parts or Cummins approved rebuilt, repaired or refurbished parts. Cummins is not responsible for failures resulting from the use of parts not approved by Cummins.

A new Cummins or Cummins approved rebuilt, repaired or refurbished parts used to repair a Warrantable Failure assumes the identity of the part it replaced and is entitled to the remaining Coverage hereunder.

For warranty claims specific to Battery Pack capacity, the replacement Battery Pack will be in a condition appropriate to the age and mileage of the school bus sufficient to achieve or exceed the minimum Battery Pack capacity for the remainder of the warranty period of the original Battery Pack. Note that school bus range estimates are an imperfect measure of Battery Pack capacity because they are affected by additional factors separate from Battery Pack capacity. The measurement method used to determine Battery Pack capacity, and the decision of whether to replace or provide rebuilt, repaired or refurbished reconditioned or remanufactured parts, and the condition of any such rebuilt, repaired or refurbished parts, are at the sole discretion of Cummins.

The Battery Pack, like all lithium-ion batteries, will experience gradual energy or power loss with time and use. Loss of Battery Pack energy or power over time or due to, or resulting from, Battery Pack usage is NOT covered under this Battery Pack and Powertrain Limited Warranty, unless it has degraded below the state of health specified in the terms of this coverage. Low voltage batteries are NOT covered under this Battery Pack and Powertrain Limited Warranty.

Cummins Inc. reserves the right to interrogate System Control Module (SCM) data for purposes of failure analysis.

CUMMINS DOES NOT COVER WEAR OR WEAROUT OF COVERED PARTS.

THESE WARRANTIES SET FORTH HEREINAFTER ARE THE SOLE WARRANTIES MADE BY CUMMINS IN REGARD TO EACH BATTERY ELECTRIC SYSTEM AND THE COMPONENTS THEREOF. CUMMINS MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OR OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

CUMMINS SHALL NOT BE LIABLE FOR LOST REVENUES OR PROFITS, BUSINESS INTERRUPTION, DAMAGE TO GOODWILL, ENHANCED DAMAGES OR FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES RESULTING FROM OR CAUSED BY THE USE, OPERATION, FAILURE OR DEFECT OF ANY PRODUCTS.

This Warranty shall be enforced to the maximum extent permitted by applicable law. This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state or country to country.

* A vehicle used to transport students to and from school. Vehicle must be painted yellow, should have warning lights and the words 'SCHOOL BUS' written on the front and rear roof caps. The requirements pertaining to paint color, warning lights and 'SCHOOL BUS' inscription would not apply if the vehicle is exclusively used to transport students for school related activities and it is owned by a school district.

** United States includes American Samoa, the Commonwealth of Northern Mariana Islands, Guam, Puerto Rico and the U.S. Virgin Islands.

Last Modified: 01-Jun-2021



January 22, 2021

Subject: Allison Transmission 7 year Warranty Coverage for OEM Blue Bird

The letter below outlines details of the 7-year transmission warranty coverage for OEM Blue Bird for models using Allison 2300PTS, 2350PTS, 2500PTS, 2550PTS and 2575PTS transmissions for use in school buses and similar buses manufactured for non-school use (similar duty cycle to school bus) such as a church bus, private academy bus, prison bus, work bus, poultry bus, etc.

For Allison Transmission models mentioned above shipped to OEM Blue Bird beginning Jan 1, 2021 until December 31, 2021, total transmission coverage will be 7 years. Note: 7-year warranty coverage DOES NOT APPLY to 3000PTS model or any other model not mentioned above. Warranty coverage is described as follows:

Standard Limited Warranty

All Allison transmissions carry a comprehensive Standard Limited Warranty covering 100% parts and labor. The length of Standard Limited Warranty coverage for Blue Bird School Bus models with an Allison 2300/2350/2500/2550/2575 PTS Series™ transmission is 5 years. Details on Standard Limited Warranty can be found on Parchment document SE0610EN located on Attachment A.

Extended Transmission Coverage:

In addition to Standard Limited Warranty, transmissions are eligible for Extended Transmission Coverage which begins at the end of the Standard Limited Warranty period. The length of Extended Transmission Coverage for Blue Bird School Bus applications with a 2300/2350/2500/2550/2575 PTS Series™ transmission shipped from Allison to Blue Bird beginning January 1, 2021 through December 31, 2021, is 2 years beyond the Standard Limited Warranty for a total of 7 years of coverage.

NOTE: Except as noted, all transmissions with Extended Transmission Coverage Warranty have 100% parts and labor coverage with no mileage limitations.

REQUIREMENTS: Use of Allison Approved TES 668™ or TES 295® transmission fluid** and Genuine Allison Filters is required. Failure to use Allison Approved TES 668 or TES 295 transmission fluid and Genuine Allison Filters will result in no coverage for repair beyond Standard Limited Warranty coverage. Transmissions that are not OEM factory filled with Allison Approved TES 668 or TES 295 transmission fluid and Genuine Allison Filters must have Allison Approved TES 668 or TES 295 transmission fluid and Genuine Allison Filters installed at the time of Extended Transmission Coverage purchase. Transmissions that are not OEM factory filled with Allison Approved TES 668 or TES 295 transmission fluid, or transmissions operating with non-TES 668 or non-TES 295 fluids, must be drained and filled with Allison Approved TES 668 or TES 295 transmission fluid to achieve 100% concentration. One hundred percent concentration is not achieved until the second consecutive fluid change using Allison Approved TES 668 or TES 295 transmission fluid. The second consecutive fluid change must be achieved at the time of Extended Transmission Coverage purchase.

* For a list of current Allison Approved TES 295® or TES 668™ transmission fluids, go to:
<https://www.allisontransmission.com/parts-service/approved-fluids>



ATTACHMENT A

NEW PRODUCT WARRANTY



DISTRIBUTOR & OEM SALES

LIMITED WARRANTY ON NEW ALLISON AUTOMATIC TRANSMISSIONS USED IN SCHOOL BUS APPLICATIONS

Allison Transmission, Inc. will provide for repairs or replacement, at its option, during the warranty period of each new Allison transmission listed below that is installed in a School Bus in accordance with the following terms, conditions, and limitations.

WHAT IS COVERED

- **WARRANTY APPLIES** — This warranty is for new Allison transmission models listed below installed in a School Bus and is provided to the original and any subsequent owner(s) of the vehicle during the warranty period.
- **REPAIRS COVERED** — The warranty covers repairs or replacement, at Allison Transmission's option, to correct any transmission malfunction resulting from defects in material or workmanship occurring during the warranty period. Needed repairs or replacements will be performed using the method Allison Transmission determines most appropriate under the circumstances.
- **TOWING** — Towing is covered to the nearest Allison Transmission Distributor or authorized Dealer only when necessary to prevent further damage to your transmission.
- **PAYMENT TERMS** — Warranty repairs, including parts and labor, will be covered per the schedule shown in the chart contained in section "APPLICABLE MODELS, WARRANTY LIMITATIONS, AND ADJUSTMENT SCHEDULE."
- **OBTAINING REPAIRS** — To obtain warranty repairs, take the vehicle to any Allison Transmission Distributor or authorized Dealer within a reasonable amount of time and request the needed repairs. A reasonable amount of time must be allowed for the Distributor or Dealer to perform necessary repairs.
- **TRANSMISSION REMOVAL AND REINSTALLATION** — Labor costs for the removal and reinstallation of the transmission, when necessary to make a warranty repair, are covered by this warranty.
- **WARRANTY PERIOD** — The warranty period for all coverages shall begin on the date the transmission is delivered to the first retail purchaser, with the following exception:
Demonstration Service - A transmission in a new truck or bus may be demonstrated to a total of 5000 miles (8000 kilometers). If the vehicle is within this limit when sold to a retail purchaser, the warranty start date is the date of purchase. Normal warranty services are applicable to the demonstrating Dealer. Should the truck or bus be sold to a retail purchaser after these limits are reached, the warranty period will begin on the date the vehicle was first placed in demonstration service and the purchaser will be entitled to the remaining warranty.

APPLICABLE MODELS, WARRANTY LIMITATIONS, AND ADJUSTMENT SCHEDULE

APPLICABLE MODELS	WARRANTY LIMITATIONS (Whichever occurs first)		ADJUSTMENT CHARGE TO BE PAID BY THE CUSTOMER	
	Months	Transmission Miles Or Kilometers	Parts	Labor
B, MD, HD, 1000 Series™, 2000 Series™, 2100, 2200, 2400 Series™, 2500, 3000	0-36	No Limit	No Charge	No Charge
1000 PTS, 1000 PTS xFE™, 1350 PTS, 1350 PTS xFE™	0-48	No Limit	No Charge	No Charge
2100 PTS, 2200 PTS, 2300 PTS, 2350 PTS, 2500 PTS, 2550 PTS, 3000 PTS, 2100 PTS xFE™, 2200 PTS xFE™, 2350 PTS xFE™, 2500 PTS xFE™, 2550 PTS xFE™	0-60*	0-100,000 m 0-160 000 km	No Charge	No Charge

* Effective on units shipped July 2006 through December 31, 2019, the Allison transmission in your vehicle may be covered by additional extended coverage, dependent on the Original Equipment Manufacturer (OEM) which manufactured your vehicle. This additional coverage requires continued use of an Allison Approved TES 295 automatic transmission fluid and genuine Allison filters. Please consult your OEM Dealer or authorized Allison Transmission Distributor or Dealer for specific information.



ATTACHMENT A (CONTINUED)

WHAT IS NOT COVERED

- **DAMAGE DUE TO ACCIDENT, MISUSE, or ALTERATION** — Defects and damage caused as the result of any of the following are not covered:
 - Flood, collision, fire, theft, freezing, vandalism, riot, explosion, or objects striking the vehicle;
 - Misuse of the vehicle;
 - Installation into unapproved applications and installations;
 - Alterations or modification of the transmission or the vehicle, and
 - Damage resulting from improper storage (refer to long-term storage procedure outlined in the applicable Allison Service Manual)
 - Anything other than defects in Allison Transmission material or workmanship

NOTE: This warranty is void on transmissions used in vehicles currently or previously titled as salvaged, scrapped, junked, or totaled.

- **CHASSIS, BODY, and COMPONENTS** — The chassis and body company (assemblers) and other component and equipment manufacturers are solely responsible for warranties on the chassis, body, component(s), and equipment they provide. Any transmission repair caused by an alteration(s) made to the Allison transmission or the vehicle which allows the transmission to be installed or operated outside of the limits defined in the appropriate Allison Installation Guideline is solely the responsibility of the entity making the alteration(s).
- **DAMAGE CAUSED BY LACK OF MAINTENANCE or by the USE of TRANSMISSION FLUIDS NOT RECOMMENDED in the OPERATOR'S MANUAL** — Defects and damage caused by any of the following are not covered:
 - Failure to follow the recommendations of the maintenance schedule intervals applicable to the transmission;
 - Failure to use transmission fluids or maintain transmission fluid levels recommended in the Operator's Manual.
- **MAINTENANCE** — Normal maintenance (such as replacement of filters, screens, and transmission fluid) is not covered and is the owner's responsibility.
- **REPAIRS by UNAUTHORIZED DEALERS** — Defects and damage caused by a service outlet that is not an authorized Allison Transmission Distributor or Dealer are not covered.
- **USE of OTHER THAN GENUINE ALLISON TRANSMISSION PARTS** — Defects and damage caused by the use of parts that are not genuine Allison Transmission parts are not covered.
- **EXTRA EXPENSES** — Economic loss and extra expenses are not covered. Examples include but are not limited to: loss of vehicle use; inconvenience; storage; payment for loss of time or pay; vehicle rental expense; lodging; meals; or other travel costs.
- **"DENIED PARTY" OWNERSHIP** — Warranty repair parts and labor costs are not reimbursed to any participating or non-participating OEMs, dealers or distributors who perform warranty work for, or on behalf of, end users identified by the United States as being a "denied party" or who are citizens of sanctioned or embargoed countries as defined by the U.S. Department of Treasury Office of Foreign Assets Control. Furthermore, warranty reimbursements are not guaranteed if the reimbursement would be contrary to any United States export control laws or regulations as defined by the U.S. Department of Commerce, the U.S. Department of State, or the U.S. Department of Treasury.

OTHER TERMS APPLICABLE TO CONSUMERS AS DEFINED by the MAGNUSON-MOSS WARRANTY ACT

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Allison Transmission does not authorize any person to create for it any other obligation or liability in connection with these transmissions. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE APPLICABLE TO THESE TRANSMISSIONS IS LIMITED IN DURATION TO THE DURATION OF THIS WRITTEN WARRANTY. PERFORMANCE OF REPAIRS AND NEEDED ADJUSTMENTS IS THE EXCLUSIVE REMEDY UNDER THIS WRITTEN WARRANTY OR ANY IMPLIED WARRANTY. ALLISON TRANSMISSION SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES (SUCH AS, BUT NOT LIMITED TO, LOST WAGES OR VEHICLE RENTAL EXPENSES) RESULTING FROM BREACH OF THIS WRITTEN WARRANTY OR ANY IMPLIED WARRANTY.**

** Some states do not allow limitations on how long an implied warranty will last or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

OTHER TERMS APPLICABLE TO OTHER END-USERS

THIS WARRANTY IS THE ONLY WARRANTY APPLICABLE TO THE ALLISON TRANSMISSION MODELS LISTED ABOVE AND IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ALLISON TRANSMISSION DOES NOT AUTHORIZE ANY PERSON TO CREATE FOR IT ANY OTHER OBLIGATION OR LIABILITY IN CONNECTION WITH SUCH TRANSMISSIONS. ALLISON TRANSMISSION SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM BREACH OF THIS WARRANTY OR ANY IMPLIED WARRANTY.

QUESTIONS

If you have any questions regarding this warranty or the performance of warranty obligations, you may contact any Allison Transmission Distributor or Dealer or write to:

Allison Transmission, Inc.
P.O. Box 894
Indianapolis, IN 46206-0894
Attention: Warranty Administration PF-9
Form SE0610EN (201912)



LINCOLN

5 Year / Unlimited Mileage Ford Engine / Transmission Limited Warranty for Blue Bird Body Company Vision(Type C) and All American(Type D) Buses

Ford Motor Company (Ford) is providing a 5 year/Unlimited Mileage Engine/Transmission Limited Warranty on eligible Blue Bird Body Company buses. Ford will provide for the repair, replacement, or services of covered components on the buses during this Limited Warranty period in accordance with the following terms, conditions, and limitations.

1. **Ford Engine / Transmission Limited Warranty.** Under the Ford Engine/Transmission Limited Warranty, you are provided with 5 years / Unlimited mileage of coverage from the original customer delivery date as provided to Ford by Blue Bird.
2. **Eligible Vehicles.** 2021 through current model year Blue Bird buses equipped with the Ford 7.3L V8 Gas and Gaseous Prep engine assembly and the Ford 6R140 transmission assembly.
3. **Repairs Covered Under the Ford Engine/Transmission Limited Warranty.** Your Ford authorized Blue Bird Dealer, a Ford authorized Dealership or other service provider authorized by Ford will repair, replace or service all covered components, as specified on page 2, that fail due to defective material or workmanship during the applicable Ford Engine/Transmission Limited Warranty period. Parts and services not covered under the Ford Engine/Transmission Limited Warranty are listed on page 2.
4. **Component Protection.** Components covered by the Ford Engine/Transmission Limited Warranty are shown on page 2.
5. **Where to Go for Covered Repairs.** Contact your Blue Bird Dealer to obtain service for your Blue Bird bus. Your Blue Bird Dealer will help arrange for repair, replacement or service of engine or transmission components covered by this Ford Engine/Transmission Limited Warranty by a Blue Bird Dealer, a Ford authorized dealership, or other service provider authorized by Ford.
6. **Repairs.** All Ford Engine/Transmission Limited Warranty repairs MUST be made with new or remanufactured parts authorized by Ford.
7. **Care of Vehicle.** Your vehicle must be properly operated and maintained in accordance with the maintenance schedule in the Owner's Scheduled Maintenance Service Guide provided with the school bus at the time of purchase. Proof of maintenance may be required in the event a question arises as to whether a malfunction is caused by a defect in factory-supplied materials or workmanship or lack of proper maintenance. It is your responsibility to make sure that all scheduled maintenance is performed in accordance with the Scheduled Maintenance Service Guide, and all materials meet Ford engineering specifications. Failure to perform scheduled maintenance as specified in the Scheduled Maintenance Service Guide will invalidate Limited Warranty coverage on parts affected by the lack of maintenance. You must maintain a log including date, mileage and description of each maintenance service and retain all corresponding receipts for purchases of parts and fluids.
8. **Tow Assistance.** This warranty will cover up to \$400 per incident to tow a vehicle to an authorized Ford dealer or other service provider authorized by Ford for repair, replacement or service of a covered component.
9. **Transferability.** This Limited Warranty is transferable with the sale of any Blue Bird Body Company bus for the remaining Ford Engine/Transmission Limited Warranty coverage period.

This Limited Warranty gives you specific legal rights. You may also have other rights which may vary from state to state. To the extent allowed by law, any implied warranty of merchantability or fitness for a particular purpose applicable to this bus is limited in duration to the term of this written Limited Warranty. Ford Motor Company, Blue Bird Body Company or any other authorized service provider shall not be liable for loss of time, inconvenience, commercial loss or for any other incidental or consequential damages. Some states do not allow limitations on how long an implied Limited Warranty will last, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. Ford Motor Company does not authorize any person to create for it any obligation or liability in connection with this Limited Warranty. This Limited Warranty is valid only in the continental United States, Alaska, Hawaii and Canada.



LINCOLN

**5 Year / Unlimited Mileage Ford Engine / Transmission Limited Warranty for Blue Bird
Body Company Vision(Type C) and All American(Type D) Buses**

Covered Parts:

ENGINE:

All internal lubricated parts
Cylinder block
Cylinder heads
Flywheel
Manifold and Bolts (exhaust)
Manifold and Bolts (intake)
Oil pan
Oil pump
Seals and gaskets
Thermostat
Thermostat housing
Timing chain cover
Timing chain (gears or belt)
Valve covers

TRANSMISSION:

All internal parts
Seals and gaskets
Torque converter
Transfer case (including internal parts)
Transmission case

Parts and Services NOT covered:

- All items not specifically listed in the Covered Parts section.
- Repairs to the Liquid Propane (LPG) fuel system conversion components
- Repairs needed to any Engine/Transmission Component caused by the LPG fuel system conversion components.
- Repairs needed to any Engine/Transmission component caused by the install or improper installation of Roush CleanTech components.
- Repairs caused by collisions or other physical damage accidents, unreasonable use (including driving over curbs, overloading, or using the Vehicle as a stationary power source), damage from fire or explosions, tire damage caused by punctures, bruises or breaks from road hazards, other casualty losses or losses due to negligence; racing or failures caused by: (a) unauthorized alterations or modifications to the Vehicle chassis or powertrain components, including the air intake system, engine cooling system, or obstruction in the hood/grill area, after the vehicle leaves the control of the manufacturer or (b) tampering with the vehicle or the emissions systems and components;
- Damage from the environment and pollution (airborne fallout, chemicals, tree sap, salt, hail, windstorm, lightning, freezing, flooding, earthquake, snow or ice) or damage caused by rust/corrosion, theft, vandalism, terrorism, riot or acts of war.
- Repairs needed to a covered part caused by the failure of a non-covered part.
- Repairs to the vehicle if the odometer is altered, broken, repaired or replaced so that actual mileage on the vehicle cannot be determined.
- To the extent allowed by law, loss of use of vehicle including loss of time, inconvenience, commercial loss, special or consequential damages, and personal expenses such as motels, food, gas and mileage.
- Repairs covered by any insurance.
- Service adjustments and cleaning not made to a covered component.
- Shop supplies and disposal of environmental waste(s) from the vehicle.
- Repairs caused by a loss of lubricants or fluids or contamination of oil, fluids or fuel.
- Repairs caused by continued operation of the vehicle after loss of lubricant or fluids or contamination of oil, fluids or fuel.

Published Date

January 26, 2021

Basic Description of Coverage

On the Blue Bird Vision Propane, Gasoline, and CNG powered buses with both the 7.3L V8 and 6.8L V10, ROUSH CleanTech offers an optional limited warranty on certain fuel system components for 5 years / unlimited miles, as defined below and covered in detail in the Owners Guide for these products, as well as in the ROUSH CleanTech Warranty and Policy Manual. These components include engine Front End Accessory Drive (FEAD) components, Gateway Modules, and certain Ford Components.

Note: Blue Bird Propane-Powered Vision Buses manufactured with the ROUSH CleanTech Liquid Propane Fuel System prior to September 01, 2014 come with a limited warranty coverage for a term of 5 years / 100,000 miles, whichever comes first.

Please contact your Blue Bird Dealer to obtain service for your Blue Bird bus. In some situations, optional 7 year and 10 year Optional Extended Warranty coverage is available. Your Blue Bird Dealer will help arrange for repairs by the Blue Bird Dealer or another qualified repair facility.

Limited Warranty Overview

Assumptions:

- ROUSH CleanTech is providing limited warranty coverage for 5 years / unlimited miles (warranty expires by time) based on the vehicle in-service date and the eligibility of optional warranty coverage as reported by Blue Bird.
- Emissions components will additionally be covered for durations specified by the EPA or CARB emissions performance and defect warranties. Components covered under emissions warranties are the responsibility of the same party as for the base warranty.
- Content to be covered by ROUSH CleanTech under this limited warranty includes ROUSH CleanTech-supplied components, specified Ford components and related FEAD components except those mentioned in "exclusions" below or identified as FORD or BLUE BIRD Warranty Responsibility in the 'COMPONENT COVERAGE' section below.
- ROUSH CleanTech will administer the warranty in accordance with the Warranty Process described in the Warranty and Policy Manual as published on the ROUSH Clean Tech Service Portal. To access this manual, please go to <https://rctws.force.com/rct/s/>, then search for **Warranty and Policy Manual**.

- All ROUSH CleanTech warrantable parts will ship to authorized Blue Bird service centers directly from ROUSH CleanTech.
- If the necessity to tow was driven by a ROUSH CleanTech component failure as determined by ROUSH CleanTech support, then towing is covered for the first 12 months of operation from the warranty start date, up to \$400.00
- Transportation costs, such as towing, require pre-approval and must be entered into the ROUSH CleanTech warranty claim system for consideration at the time the case/claim is opened.
- All warranty repairs must be completed at authorized Blue Bird / ROUSH CleanTech service centers.

Exclusions:

Components not covered by the ROUSH CleanTech limited warranty include:

- Specified components such as the starter motor, water pump, power steering pump, air conditioning compressors, and air pump, listed in the section below with coverage by FORD or BLUE BIRD.
- Components that have failed due to physical damage caused by abuse and/or improper operation.
- Components that have failed due to vehicle modification or alteration.
- Cosmetic appearance of the ROUSH CleanTech components that results from use and/or exposure to the elements including, but not limited to, rain, snow, excessive heat or cold, lightning, hail, windstorm, earthquake, road salt, water or flood; surface corrosion, tank rust, chips, dents, scratches, customer neglect or normal wear and tear. For proper maintenance of propane tanks to prevent rust, please see the [ROUSH CleanTech Fuel Tank Refinishing Guide](#) and related [Fuel Tank Corrosion FAQ](#)
- Other exclusions as detailed in the Owners Guide for the Product, specifically including the following:
 - Use of fuel or additive other than Gasoline, LPG or CNG (depending on product type).
 - Road hazards, misuse, abuse, neglect, accidents, collision, fire, theft, freezing, vandalism, riot, explosion, or objects striking the vehicle.
 - Exposure of the ROUSH CleanTech parts to excess moisture, water, or any motor vehicle fluids.

- Normal wear and tear, including noise, vibration, cosmetic conditions and other deterioration caused by normal wear and tear.
- Incidental or consequential damages arising from a vehicle failure or defects in the ROUSH CleanTech system including, without limitation, inconvenience, cost of transportation including rental vehicles, telephone calls, meals, accommodations, loss of personal or commercial property, loss of pay, income, profits, or business opportunities.
- Ford vehicle recalls or service campaign warranty claims.
- Appearance items that results from use and/or exposure to the elements including, but not limited to, rain, snow, excessive heat or cold, lightning, hail, windstorm, earthquake, road salt, water or flood; surface corrosion, chips, dents, scratches, customer neglect or normal wear and tear.

Component Coverage by Manufacturer

The following pages lists powertrain component coverage responsibility and whether the component is covered under the 5-Year Base Warranty or optional 7-Year Optional Extended Warranty or 10-Year Optional Extended Warranty for these Blue Bird Vision products:

Gen 5 7.3L V8 Propane Vision
Gen 5 7.3L V8 Gasoline Vision
Gen 4 6.8L V10 Propane Vision
Gen 4 6.8L V10 Gasoline Vision
Gen 4 6.8L V10 CNG Vision

Coverage for a Propane Vision School Bus Gen 5 7.3L V8

		ROUSH CleanTech Warranty Coverage		
Component	Warranty Coverage	Base 5 Year Coverage	Extended 7 Year Coverage	Extended 10 Year Coverage
Base Engine (From Ford)				
7.3L V8 Engine	Ford			
FEAD: 1st Sheave				
A/C Compressor (Single A/C)	Blue Bird			
A/C Compressor (Dual A/C)	Blue Bird			
Alternator - 325A	Blue Bird			
Alternator - 280A	Blue Bird			
Alternator - 240A	Blue Bird			
Alternator - 210A	Blue Bird			
Alternator Bracket	ROUSH CleanTech	•	•	•
Bracket – A/C Delete Pulley	ROUSH CleanTech	•	•	•
Belt - Main Sheave Full Content	ROUSH CleanTech	•		
Belt - Main Sheave w/o A/C	ROUSH CleanTech	•		
Belt - Main Sheave w/ A/C	ROUSH CleanTech	•		
Idler - Accessory Drive	ROUSH CleanTech	•	•	•
Pulley - Accessory Drive	ROUSH CleanTech	•	•	•
FEAD: 2nd Sheave				
A/C Compressor (2nd Sheave)	Blue Bird			
Adaptor - 1/8 Pipe to 1/4 Tube	ROUSH CleanTech	•	•	•
Belt - Air Pump Drive	Blue Bird			
Belt - Second Sheave (Full Content)	Blue Bird			
Belt – A/C only	Blue Bird			
Bracket - 2 nd Sheave Accessory	ROUSH CleanTech	•	•	•
Bracket - 2 nd Sheave Idler	ROUSH CleanTech	•	•	•
Bracket - Air Pump Support	ROUSH CleanTech	•	•	•
Bracket - Power Steering Pump Support	ROUSH CleanTech	•	•	•
Idler - Accessory Drive	ROUSH CleanTech	•	•	•
Line - Air Pump Oil Feed	ROUSH CleanTech	•	•	•
Line - Air Pump Oil Return	ROUSH CleanTech	•	•	•
O-Ring – Air Pump	ROUSH CleanTech	•	•	•
Pump - Eng Water	Ford			
Pump - Power Steering	Blue Bird			

Component	Warranty Coverage	Base 5 Year Coverage	Extended 7 Year Coverage	Extended 10 Year Coverage
Pulley - Accessory Drive	ROUSH CleanTech	•	•	•
Pulley - Air Pump	ROUSH CleanTech	•	•	•
Pulley - Power Steering Pump	ROUSH CleanTech	•	•	•
Tensioner	ROUSH CleanTech	•	•	•
Fuel System (LPG)				
Fuel Line - Rail Supply	ROUSH CleanTech	•	•	•
Fuel Line - Rail Return	ROUSH CleanTech	•	•	•
Fuel Rail Asy	ROUSH CleanTech	•	•	
Fuel Rail Pressure Sensor (IPTS)	ROUSH CleanTech	•	•	•
FRPCM Purge Line Asy	ROUSH CleanTech	•	•	•
Forward Fuel Line - Feed	ROUSH CleanTech	•	•	•
Forward Fuel Line - Return	ROUSH CleanTech	•	•	•
Fuel Tank & Line Kit	ROUSH CleanTech	•	•	•
Bleed Valve - remote mounted	ROUSH CleanTech	•	•	•
Fuel Fill Valve Assy - body mounted	ROUSH CleanTech	•	•	•
Bleeder Line (2-different lengths)	ROUSH CleanTech	•	•	•
Fuel Rail Pressure Control Module	ROUSH CleanTech	•	•	•
Vapor Canister & Brkt Asy	ROUSH CleanTech	•	•	•
Canister Fresh Air Inlet Line	ROUSH CleanTech	•	•	•
Hose - Canister Purge Line	ROUSH CleanTech	•	•	•
Fuel Supply Line - Chassis	ROUSH CleanTech	•	•	•
Fuel Return Line - Chassis	ROUSH CleanTech	•	•	•
Engine Lubrication System				
Crankcase Vent Tube	ROUSH CleanTech	•	•	•
PCV Closure Hose	ROUSH CleanTech	•	•	•
Dipstick - Eng Oil	ROUSH CleanTech	•	•	•
Dipstick Tube - Eng Oil	ROUSH CleanTech	•	•	•
Miscellaneous				
Shield - Exhaust Manifold (RH)	ROUSH CleanTech	•		
Shield - Exhaust Manifold (LH)	ROUSH CleanTech	•		
Cap - Water Inlet Port	ROUSH CleanTech	•		
Mounting				
Bracket - RH off Eng Mount	ROUSH CleanTech	•	•	
Bracket - LH off Eng Mount	ROUSH CleanTech	•	•	
Isolator Asy - Eng Mount (RH)	ROUSH CleanTech	•	•	•
Isolator Asy - Eng Mount (LH)	ROUSH CleanTech	•	•	•

Component	Warranty Coverage	Base 5 Year Coverage	Extended 7 Year Coverage	Extended 10 Year Coverage
Cross Member - Engine	Blue Bird			
Transmission				
Base 6R140 Transmission	Ford			
Plug - Torque Convertor Access	ROUSH CleanTech	•	•	•
Cover - Cylinder Block Opening	ROUSH CleanTech	•	•	•
Plate - Engine Rear Cover	ROUSH CleanTech	•	•	•
Cooling				
Fan Clutch	ROUSH CleanTech	•	•	
Fan	ROUSH CleanTech	•	•	
Air Cleaner				
Air Cleaner Assembly	Blue Bird			
MAF Sensor	ROUSH CleanTech	•	•	
Exhaust				
Y-Pipe Assembly	ROUSH CleanTech	•	•	
Isolator - Hot End	ROUSH CleanTech	•	•	
Catalyst Assembly	ROUSH CleanTech	•	•	
Catalyst Assembly – Low Mpo	ROUSH CleanTech	•	•	
Isolator - Cold End	Blue Bird			
Exhaust Manifold and Studs	Ford			
Muffler	Blue Bird			
Exhaust Piping	Blue Bird			
Electrical				
Starter Motor	ROUSH CleanTech	•		
Shield - Starter Motor	ROUSH CleanTech	•		
PCM	ROUSH CleanTech	•	•	•
Calibration - PCM	ROUSH CleanTech	•	•	•
CMS Sensor (Post-Cat O2 Sensor)	ROUSH CleanTech	•	•	
UEGO Sensor (Pre-Cat O2 Sensor)	ROUSH CleanTech	•	•	
Gateway Module - LPG Programmed	ROUSH CleanTech	•	•	•
Relay - Fuel Pump (EFPR)	ROUSH CleanTech	•	•	•
Engine Block Heater	ROUSH CleanTech	•	•	
Wiring - Engine Block Heater	ROUSH CleanTech	•	•	
Fuel Tank Wiring Harness	ROUSH CleanTech	•	•	•
Engine and Chassis Wiring Harnesses	Blue Bird			
Driver Controls				
Accelerator Pedal	ROUSH CleanTech	•	•	
Switch - Brake Pedal	Blue Bird			

Component	Warranty Coverage	Base 5 Year Coverage	Extended 7 Year Coverage	Extended 10 Year Coverage
Label Kits				
Label - Propane Fuel Only	ROUSH CleanTech	•		
Label - Overflow Protection Device	ROUSH CleanTech	•		
Label - Bleeder Valve Inspection	ROUSH CleanTech	•		
Label - Fuel Rail Service Port Warning	ROUSH CleanTech	•		
Label - 350 psig Design Pressure	ROUSH CleanTech	•		
Label - Hang Tag	ROUSH CleanTech	•		
Label - Diamond Propane - Reflective	ROUSH CleanTech	•		
Certification Label	ROUSH CleanTech	•		
Canadian Label Kit (French)				
Label - Propane Fuel Only for Canada	ROUSH CleanTech	•		
Label - Overflow Protection Device	ROUSH CleanTech	•		
Label - OPD Inspection	ROUSH CleanTech	•		
Label - Fuel Rail Service Port Warning	ROUSH CleanTech	•		
Label - 350 psig Design Pressure	ROUSH CleanTech	•		
Label - Hang Tag	ROUSH CleanTech	•		
Label - Diamond Propane - Reflective	ROUSH CleanTech	•		
Certification Label	ROUSH CleanTech	•		

Coverage for a Propane Vision School Bus Gen 4 6.8L V10

		ROUSH CleanTech Warranty Coverage		
Component	Warranty Coverage	Base 5 Year Coverage	Extended 7 Year Coverage	Extended 10 Year Coverage
Base Engine (From Ford)				
6.8L V8 Engine	Ford			
FEAD: 1st Sheave				
Eng Water Pump	Blue Bird			
Bracket – Power Steering Pump	ROUSH CleanTech	•	•	•
Power Steering Pump	Blue Bird			
Pulley - Power Steering Pump	ROUSH CleanTech	•	•	•
Idler - Accessory Drive	ROUSH CleanTech	•	•	•
Bracket - Alt Delete Pulley	ROUSH CleanTech	•	•	•
Pulley - Accessory Drive	ROUSH CleanTech	•	•	•
Bracket - A/C Compressor (1st Sheave)	ROUSH CleanTech	•	•	•
A/C Compressor (1st Sheave)	Blue Bird			
Tensioner - 1st Sheave w/ A/C	ROUSH CleanTech	•	•	•
Belt - Main Sheave Full Content	ROUSH CleanTech	•		
Tensioner - 1st Sheave w/o A/C	ROUSH CleanTech	•	•	•
Belt - Main Sheave w/o A/C	ROUSH CleanTech	•		
FEAD: 2nd Sheave				
Adapter - PTO Driver	ROUSH CleanTech	•	•	•
PTO Asy - 2nd Sheave	ROUSH CleanTech	•	•	•
Bracket - Bridge Support	ROUSH CleanTech	•	•	•
Tensioner - 2nd sheave	ROUSH CleanTech	•	•	•
Idler - Accessory Drive	ROUSH CleanTech	•	•	•
Pulley - Accessory Drive	ROUSH CleanTech	•	•	•
Pulley - Air Pump Driver	ROUSH CleanTech	•	•	•
Bracket - Eng Lifting Eye	ROUSH CleanTech	•	•	•
A/C Compressor (2nd Sheave)	Blue Bird			
Bracket - A/C Delete	ROUSH CleanTech	•	•	•
Pulley - A/C Delete	ROUSH CleanTech	•	•	•
Alternator - 240A	Blue Bird			
Alternator - 270A	Blue Bird			
Alternator - 320A	Blue Bird			
Pulley - Alternator	Blue Bird			

Component	Warranty Coverage	Base 5 Year Coverage	Extended 7 Year Coverage	Extended 10 Year Coverage
Belt - Second Sheave (Full Content)	Blue Bird			
Belt - Second Sheave (non-A/C Option)	Blue Bird			
FEAD: 3rd Sheave				
Air Pump Asy	Blue Bird			
Pulley - Air Pump	ROUSH CleanTech	•	•	•
Line - Air Pump Oil Feed	ROUSH CleanTech	•	•	•
Line - Air Pump Oil Return	ROUSH CleanTech	•	•	•
T-Fitting - Air Pump Oil Feed	ROUSH CleanTech	•	•	•
Elbow - 1/2 NPT - 5/8 Tube	ROUSH CleanTech	•	•	•
Adaptor - 1/8 Pipe to 1/4 Tube	ROUSH CleanTech	•	•	•
Adaptor - 1/4 Pipe to 1/4 Tube	ROUSH CleanTech	•	•	•
Belt - Air Pump Drive	Blue Bird			
Fuel System (LPG)				
Fuel Line - Rail Supply	ROUSH CleanTech	•	•	•
Fuel Line - Rail Return	ROUSH CleanTech	•	•	•
Fuel Rail Asy	ROUSH CleanTech	•	•	
Fuel Rail Pressure Sensor (IPTS)	ROUSH CleanTech	•	•	•
FRPCM Purge Line Asy	ROUSH CleanTech	•	•	•
Forward Fuel Line - Feed	ROUSH CleanTech	•	•	•
Forward Fuel Line - Return	ROUSH CleanTech	•	•	•
Fuel Tank & Line Kit	ROUSH CleanTech	•	•	•
Bleed Valve - remote mounted	ROUSH CleanTech	•	•	•
Fuel Fill Valve Assy - body mounted	ROUSH CleanTech	•	•	•
Bleeder Line (2-different lengths)	ROUSH CleanTech	•	•	•
Fuel Rail Pressure Control Module	ROUSH CleanTech	•	•	•
Vapor Canister & Brkt Asy	ROUSH CleanTech	•	•	•
Canister Fresh Air Inlet Line	ROUSH CleanTech	•	•	•
Hose - Canister Purge Line	ROUSH CleanTech	•	•	•
Fuel Supply Line - Chassis	ROUSH CleanTech	•	•	•
Fuel Return Line - Chassis	ROUSH CleanTech	•	•	•
Engine Lubrication System				
Crankcase Vent Tube	ROUSH CleanTech	•	•	•
PCV Closure Hose	ROUSH CleanTech	•	•	•
Dipstick - Eng Oil	ROUSH CleanTech	•	•	•
Dipstick Tube - Eng Oil	ROUSH CleanTech	•	•	•

Component	Warranty Coverage	5 Year Year Coverage	Extended 7 Year Coverage	Extended 10 Year Coverage
Miscellaneous				
Shield - Exhaust Manifold (RH)	ROUSH CleanTech	•		
Shield - Exhaust Manifold (LH)	ROUSH CleanTech	•		
Cap - Water Inlet Port	ROUSH CleanTech	•		
Mounting				
Brkt - RH off Eng Mount	ROUSH CleanTech	•	•	•
Brkt - LH off Eng Mount	ROUSH CleanTech	•	•	•
Isolator Asy - Eng Mount (RH)	ROUSH CleanTech	•	•	•
Isolator Asy - Eng Mount (LH)	ROUSH CleanTech	•	•	•
Cross Member - Engine	Blue Bird			
Transmission				
Base 6R140 Transmission	Ford			
Plug - Torque Convertor Access	ROUSH CleanTech	•	•	•
Cover - Cylinder Block Opening	ROUSH CleanTech	•	•	•
Plate - Engine Rear Cover	ROUSH CleanTech	•	•	•
Cooling				
Fan Clutch	ROUSH CleanTech	•	•	
Fan	ROUSH CleanTech	•	•	
Air Cleaner				
Air Cleaner Assembly	Blue Bird			
MAF Sensor	ROUSH CleanTech	•	•	
Exhaust				
Y-Pipe Assembly	ROUSH CleanTech	•	•	
Isolator - Hot End	ROUSH CleanTech	•	•	
Catalyst Assembly	ROUSH CleanTech	•	•	
Isolator - Cold End	Blue Bird			
Exhaust Manifold and Studs	Ford			
Muffler	Blue Bird			
Exhaust Piping	Blue Bird			
Electrical				
Starter Motor	ROUSH CleanTech	•		
Shield - Starter Motor	ROUSH CleanTech	•		
PCM	ROUSH CleanTech	•	•	•
Calibration - PCM	ROUSH CleanTech	•	•	•
CMS Sensor (Post-Cat O2 Sensor)	ROUSH CleanTech	•	•	
UEGO Sensor (Pre-Cat O2 Sensor)	ROUSH CleanTech	•	•	
Gateway Module - LPG Programmed	ROUSH CleanTech	•	•	•

Component	Warranty Coverage	Base 5 Year Coverage	Extended 7 Year Coverage	Extended 10 Year Coverage
Relay - Fuel Pump (EFPR)	ROUSH CleanTech	•	•	•
Engine Block Heater	ROUSH CleanTech	•	•	
Wiring - Engine Block Heater	ROUSH CleanTech	•	•	
Fuel Tank Wiring Harness	ROUSH CleanTech	•	•	•
Engine and Chassis Wiring Harnesses	Blue Bird			
Driver Controls				
Accelerator Pedal	ROUSH CleanTech	•	•	
Switch - Brake Pedal	Blue Bird			
Label Kits				
Label - Propane Fuel Only	ROUSH CleanTech	•		
Label - Overflow Protection Device	ROUSH CleanTech	•		
Label - Bleeder Valve Inspection	ROUSH CleanTech	•		
Label - Fuel Rail Service Port Warning	ROUSH CleanTech	•		
Label - 350 psig Design Pressure	ROUSH CleanTech	•		
Label - Hang Tag	ROUSH CleanTech	•		
Label - Diamond Propane - Reflective	ROUSH CleanTech	•		
Certification Label	ROUSH CleanTech	•		
Canadian Label Kit (French)				
Label - Propane Fuel Only for Canada	ROUSH CleanTech	•		
Label - Overflow Protection Device	ROUSH CleanTech	•		
Label - OPD Inspection	ROUSH CleanTech	•		
Label - Fuel Rail Service Port Warning	ROUSH CleanTech	•		
Label - 350 psig Design Pressure	ROUSH CleanTech	•		
Label - Hang Tag	ROUSH CleanTech	•		
Label - Diamond Propane - Reflective	ROUSH CleanTech	•		
Certification Label	ROUSH CleanTech	•		

Coverage for a Gasoline Vision School Bus Gen 5 7.3L V8

		ROUSH CleanTech Warranty Coverage		
Component	Warranty Coverage	Base 5 Year Coverage	Extended 7 Year Coverage	Extended 10 Year Coverage
Base Engine (From Ford)				
7.3L V8 Engine	Ford			
FEAD: 1st Sheave				
A/C Compressor (Single AC)	Blue Bird			
A/C Compressor (Dual AC)	Blue Bird			
Alternator - 325A	Blue Bird			
Alternator - 280A	Blue Bird			
Alternator - 240A	Blue Bird			
Alternator - 210A	Blue Bird			
Alternator Bracket	ROUSH CleanTech	•	•	•
Bracket – A/C Delete Pulley	ROUSH CleanTech	•	•	•
Belt - Main Sheave Full Content	ROUSH CleanTech	•		
Belt - Main Sheave w/o AC	ROUSH CleanTech	•		
Belt - Main Sheave w AC	ROUSH CleanTech	•		
Idler - Accessory Drive	ROUSH CleanTech	•	•	•
Pulley - Accessory Drive	ROUSH CleanTech	•	•	•
FEAD: 2nd Sheave				
A/C Compressor (2nd Sheave)	Blue Bird			
Adaptor - 1/8 Pipe to 1/4 Tube	ROUSH CleanTech	•	•	•
Belt - Air Pump Drive	Blue Bird			
Belt - Second Sheave (Full Content)	Blue Bird			
Belt – A/C only	Blue Bird			
Bracket - 2 nd Sheave Accessory	ROUSH CleanTech	•	•	•
Bracket - 2 nd Sheave Idler	ROUSH CleanTech	•	•	•
Bracket - Air Pump Support	ROUSH CleanTech	•	•	•
Bracket - Power Steering Pump Support	ROUSH CleanTech	•	•	•
Idler - Accessory Drive	ROUSH CleanTech	•	•	•
Line - Air Pump Oil Feed	ROUSH CleanTech	•	•	•
Line - Air Pump Oil Return	ROUSH CleanTech	•	•	•
O-Ring – Air Pump	ROUSH CleanTech	•	•	•
Pump - Eng Water	Ford			
Pump - Power Steering	Blue Bird			

Component	Warranty Coverage	Base 5 Year Coverage	Extended 7 Year Coverage	Extended 10 Year Coverage
Pulley - Accessory Drive	ROUSH CleanTech	•	•	•
Pulley - Air Pump	ROUSH CleanTech	•	•	•
Pulley - Power Steering Pump	ROUSH CleanTech	•	•	•
Tensioner	ROUSH CleanTech	•	•	•
Fuel System (Gasoline)				
Fuel Line - Rail Supply	Blue Bird			
Fuel Rail and Injector Assembly	Ford			
Fuel Tank & Internal Components	Blue Bird			
Fuel Filler Neck Assembly	Blue Bird			
Vapor Canister & Brkt Asy	Blue Bird			
Fuel Tank Vent Solenoid	Blue Bird			
Canister Fresh Air Inlet Line	Blue Bird			
Hose - Canister Purge Line	Blue Bird			
Fuel Supply Line - Chassis	Blue Bird			
Vapor Management Valve	Ford			
Fuel Tank Pressure Transducer (FTPT)	Blue Bird			
Engine Lubrication System				
Crankcase Vent Tube	ROUSH CleanTech	•	•	•
PCV Closure Hose	ROUSH CleanTech	•	•	•
Dipstick - Eng Oil	ROUSH CleanTech	•	•	•
Dipstick Tube - Eng Oil	ROUSH CleanTech	•	•	•
Miscellaneous				
Shield - Exhaust Manifold (RH)	ROUSH CleanTech	•		
Shield - Exhaust Manifold (LH)	ROUSH CleanTech	•		
Cap - Water Inlet Port	ROUSH CleanTech	•		
Mounting				
Bracket - RH off Eng Mount	ROUSH CleanTech	•	•	•
Bracket - LH off Eng Mount	ROUSH CleanTech	•	•	•
Isolator Asy - Eng Mount (RH)	ROUSH CleanTech	•	•	•
Isolator Asy - Eng Mount (LH)	ROUSH CleanTech	•	•	•
Cross Member - Engine	Blue Bird			
Transmission				
Base 6R140 Transmission	Ford			
Plug - Torque Converter Access	ROUSH CleanTech	•	•	•
Cover - Cylinder Block Opening	ROUSH CleanTech	•	•	•
Plate - Engine Rear Cover	ROUSH CleanTech	•	•	•

Component	Warranty Coverage	Base 5 Year Coverage	Extended 7 Year Coverage	Extended 10 Year Coverage
Cooling				
Fan Clutch	ROUSH CleanTech	•	•	
Fan	ROUSH CleanTech	•	•	
Air Cleaner				
Air Cleaner Assembly	Blue Bird			
MAF Sensor	ROUSH CleanTech	•	•	
Exhaust				
Y-Pipe Assembly	ROUSH CleanTech	•	•	
Isolator - Hot End	ROUSH CleanTech	•	•	
Catalyst Assembly	ROUSH CleanTech	•	•	
Isolator - Cold End	Blue Bird			
Exhaust Manifold and Studs	Ford			
Muffler	Blue Bird			
Exhaust Piping	Blue Bird			
Electrical				
Starter Motor	ROUSH CleanTech	•		
Shield - Starter Motor	ROUSH CleanTech	•		
PCM	ROUSH CleanTech	•	•	•
Calibration - PCM	ROUSH CleanTech	•	•	•
CMS Sensor (Post-Cat O2 Sensor)	ROUSH CleanTech	•	•	
UEGO Sensor (Pre-Cat O2 Sensor)	ROUSH CleanTech	•	•	
Gateway Module - Gasoline Programmed **Gateway Modules on buses built prior to 07/01/2019 are covered under the ROUSH CleanTech warranty. Buses built after will be covered by Blue Bird.	Blue Bird/ROUSH CleanTech**	•	•	•
Relay - Fuel Pump (EFPR)	Blue Bird			
Engine Block Heater	ROUSH CleanTech	•	•	
Wiring - Engine Block Heater	ROUSH CleanTech	•	•	
Engine and Chassis Wiring Harnesses	Blue Bird			
Driver Controls				
Accelerator Pedal	ROUSH CleanTech	•	•	
Switch - Brake Pedal	Blue Bird			
Label Kits				
Canadian Label Kit (French)	Blue Bird			

Coverage for a Gasoline Vision School Bus Gen 4 6.8L V10

		ROUSH CleanTech Warranty Coverage		
Component	Warranty Coverage	Base 5 Year Coverage	Extended 7 Year Coverage	Extended 10 Year Coverage
Base Engine (From Ford)				
6.8L Engine	Ford			
FEAD: 1st Sheave				
Eng Water Pump	Blue Bird			
Bracket – Power Steering Pump	ROUSH CleanTech	•	•	•
Power Steering Pump	Blue Bird			
Pulley – Power Steering Pump	ROUSH CleanTech	•	•	•
Idler - Accessory Drive	ROUSH CleanTech	•	•	•
Bracket - Alt Delete Pulley	ROUSH CleanTech	•	•	•
Pulley - Accessory Drive	ROUSH CleanTech	•	•	•
Bracket - A/C Compressor (1st Sheave)	ROUSH CleanTech	•	•	•
A/C Compressor (1st Sheave)	Blue Bird			
Tensioner - 1st Sheave w/ AC	ROUSH CleanTech	•	•	•
Belt - Main Sheave Full Content	ROUSH CleanTech	•		
Tensioner - 1st Sheave w/o AC	ROUSH CleanTech	•	•	•
Belt - Main Sheave w/o A/C	ROUSH CleanTech	•		
FEAD: 2nd Sheave				
Adapter - PTO Driver	ROUSH CleanTech	•	•	•
PTO Asy - 2nd Sheave	ROUSH CleanTech	•	•	•
Bracket - Bridge Support	ROUSH CleanTech	•	•	•
Tensioner - 2nd sheave	ROUSH CleanTech	•	•	•
Idler - Accessory Drive	ROUSH CleanTech	•	•	•
Pulley - Accessory Drive	ROUSH CleanTech	•	•	•
Pulley - Air Pump Driver	ROUSH CleanTech	•	•	•
Brkt - Eng Lifting Eye	ROUSH CleanTech	•	•	•
A/C Compressor (2nd Sheave)	Blue Bird			
Bracket - A/C Delete	ROUSH CleanTech	•	•	•
Pulley - A/C Delete	ROUSH CleanTech	•	•	•
Alternator - 240A	Blue Bird			
Alternator - 270A	Blue Bird			
Alternator - 320A	Blue Bird			
Pulley - Alternator	Blue Bird			

Component	Warranty Coverage	Base 5 Year Coverage	Extended 7 Year Coverage	Extended 10 Year Coverage
Belt - Second Sheave (Full Content)	Blue Bird			
Belt - Second Sheave (non-A/C Option)	Blue Bird			
FEAD: 3rd Sheave				
Air Pump Asy	Blue Bird			
Pulley - Air Pump	ROUSH CleanTech	•	•	•
Line - Air Pump Oil Feed	ROUSH CleanTech	•	•	•
Line - Air Pump Oil Return	ROUSH CleanTech	•	•	•
T-Fitting - Air Pump Oil Feed	ROUSH CleanTech	•	•	•
Elbow - 1/2 NPT - 5/8 Tube	ROUSH CleanTech	•	•	•
Adaptor - 1/8 Pipe to 1/4 Tube	ROUSH CleanTech	•	•	•
Adaptor - 1/4 Pipe to 1/4 Tube	ROUSH CleanTech	•	•	•
Belt - Air Pump Drive	Blue Bird			
Fuel System (Gasoline)				
Fuel Line - Rail Supply	Blue Bird			
Fuel Rail and Injector Assembly	Ford			
Fuel Tank & Internal Components	Blue Bird			
Fuel Filler Neck Assembly	Blue Bird			
Vapor Canister & Brkt Asy	Blue Bird			
Fuel Tank Vent Solenoid	Blue Bird			
Canister Fresh Air Inlet Line	Blue Bird			
Hose - Canister Purge Line	Blue Bird			
Fuel Supply Line - Chassis	Blue Bird			
Vapor Management Valve	Ford			
Fuel Tank Pressure Transducer (FTPT)	Blue Bird			
Engine Lubrication System				
Crankcase Vent Tube	ROUSH CleanTech	•	•	•
PCV Closure Hose	ROUSH CleanTech	•	•	•
Dipstick - Eng Oil	ROUSH CleanTech	•	•	•
Dipstick Tube - Eng Oil	ROUSH CleanTech	•	•	•
Miscellaneous				
Shield - Exhaust Manifold (RH)	ROUSH CleanTech	•		
Shield - Exhaust Manifold (LH)	ROUSH CleanTech	•		
Cap - Water Inlet Port	ROUSH CleanTech	•		
Bracket - RH off Eng Mount	ROUSH CleanTech	•	•	
Bracket - LH off Eng Mount	ROUSH CleanTech	•	•	
Isolator Asy - Eng Mount (RH)	ROUSH CleanTech	•	•	•
Isolator Asy - Eng Mount (LH)	ROUSH CleanTech	•	•	•

Component	Warranty Coverage	Base 5 Year Coverage	Extended 7 Year Coverage	Extended 10 Year Coverage
Cross Member - Engine	Blue Bird			
Transmission				
Base 6R140 Transmission	Ford			
Plug - Torque Convertor Access	ROUSH CleanTech	•	•	•
Cover - Cylinder Block Opening	ROUSH CleanTech	•	•	•
Plate - Engine Rear Cover	ROUSH CleanTech	•	•	•
Cooling				
Fan Clutch	ROUSH CleanTech	•	•	
Fan	ROUSH CleanTech	•	•	
Air Cleaner				
Air Cleaner Assembly	ROUSH CleanTech	•	•	
MAF Sensor	ROUSH CleanTech	•	•	
Exhaust				
Y-Pipe Assembly	ROUSH CleanTech	•	•	
Isolator - Hot End	ROUSH CleanTech	•	•	
Catalyst Assembly	ROUSH CleanTech	•	•	
Isolator - Cold End	Blue Bird			
Exhaust Manifold and Studs	Ford			
Muffler	Blue Bird			
Exhaust Piping	Blue Bird			
Electrical				
Starter Motor	ROUSH CleanTech	•		
Shield - Starter Motor	ROUSH CleanTech	•		
PCM	ROUSH CleanTech	•	•	•
Calibration - PCM	ROUSH CleanTech	•	•	•
CMS Sensor (Post-Cat O2 Sensor)	ROUSH CleanTech	•	•	
UEGO Sensor (Pre-Cat O2 Sensor)	ROUSH CleanTech	•	•	
Gateway Module - Gasoline Programmed **Gateway Modules on buses built prior to 07/01/2019 are covered under the ROUSH CleanTech warranty. Buses built after will be covered by Blue Bird.	Blue Bird/ROUSH CleanTech**	•	•	•
Relay - Fuel Pump (EFPR)	Blue Bird			
Engine Block Heater	ROUSH CleanTech	•	•	
Wiring - Engine Block Heater	ROUSH CleanTech	•	•	
Engine and Chassis Wiring Harnesses	Blue Bird			
Driver Controls				
Accelerator Pedal	ROUSH CleanTech	•	•	

Component	Warranty Coverage	Base 5 Year Coverage	Extended 7 Year Coverage	Extended 10 Year Coverage
Switch - Brake Pedal	Blue Bird			
Label Kits				
Canadian Label Kit (French)	Blue Bird			

**Coverage for a CNG Vision School Bus
Gen 4 6.8L V10**

		ROUSH CleanTech Warranty Coverage		
Component	Warranty Coverage	Base 5 Year Coverage	Extended 7 Year Coverage	Extended 10 Year Coverage
Base Engine (From Ford)				
6.8L Engine	Ford			
FEAD: 1st Sheave				
Eng Water Pump	Blue Bird			
Bracket – Power Steering Pump	ROUSH CleanTech	•	•	•
Power Steering Pump	Blue Bird			
Pulley – Power Steering Pump	ROUSH CleanTech	•	•	•
Idler - Accessory Drive	ROUSH CleanTech	•	•	•
Bracket - Alt Delete Pulley	ROUSH CleanTech	•	•	•
Pulley - Accessory Drive	ROUSH CleanTech	•	•	•
Bracket - A/C Compressor (1st Sheave)	ROUSH CleanTech	•	•	•
A/C Compressor (1st Sheave)	Blue Bird			
Tensioner - 1st Sheave w/ AC	ROUSH CleanTech	•	•	•
Belt - Main Sheave Full Content	ROUSH CleanTech	•		
Tensioner - 1st Sheave w/o AC	ROUSH CleanTech	•	•	•
Belt - Main Sheave w/o A/C	ROUSH CleanTech	•		
FEAD: 2nd Sheave				
Adapter - PTO Driver	ROUSH CleanTech	•	•	•
PTO Asy - 2nd Sheave	ROUSH CleanTech	•	•	•
Bracket - Bridge Support	ROUSH CleanTech	•	•	•
Tensioner - 2nd sheave	ROUSH CleanTech	•	•	•
Idler - Accessory Drive	ROUSH CleanTech	•	•	•
Pulley - Accessory Drive	ROUSH CleanTech	•	•	•
Pulley - Air Pump Driver	ROUSH CleanTech	•	•	•
Bracket - Eng Lifting Eye	ROUSH CleanTech	•	•	•
A/C Compressor (2nd Sheave)	Blue Bird			
Bracket - A/C Delete	ROUSH CleanTech	•	•	•
Pulley - A/C Delete	ROUSH CleanTech	•	•	•
Alternator - 240A	Blue Bird			
Alternator - 270A	Blue Bird			
Alternator - 320A	Blue Bird			
Pulley - Alternator	Blue Bird			

Component	Warranty Coverage	Base 5 Year Coverage	Extended 7 Year Coverage	Component
Belt - Second Sheave (Full Content)	Blue Bird			
Belt - Second Sheave (non-A/C Option)	Blue Bird			
FEAD: 3rd Sheave				
Air Pump Asy	Blue Bird			
Pulley - Air Pump	ROUSH CleanTech	•	•	•
Line - Air Pump Oil Feed	ROUSH CleanTech	•	•	•
Line - Air Pump Oil Return	ROUSH CleanTech	•	•	•
T-Fitting - Air Pump Oil Feed	ROUSH CleanTech	•	•	•
Elbow - 1/2 NPT - 5/8 Tube	ROUSH CleanTech	•	•	•
Adaptor - 1/8 Pipe to 1/4 Tube	ROUSH CleanTech	•	•	•
Adaptor - 1/4 Pipe to 1/4 Tube	ROUSH CleanTech	•	•	•
Belt - Air Pump Drive	Blue Bird			
Fuel System (CNG)				
Fuel Lines - Rail Supply	ROUSH CleanTech	•	•	•
Forward Fuel Line - Feed (Low-Pressure)	ROUSH CleanTech	•	•	•
Fuel Rail & Injector Assembly	ROUSH CleanTech	•	•	•
Fuel Rail Pressure Sensor (IPTS)	ROUSH CleanTech	•	•	•
Fuel Pressure Regulator Assembly	ROUSH CleanTech	•	•	•
Regulator Assembly Fuel Lines	ROUSH CleanTech	•	•	•
Filter Housing - High-Pressure (Excludes Filter Element)	ROUSH CleanTech	•	•	•
Filter Housing - Low-Pressure (Excludes Filter Element)	ROUSH CleanTech	•	•	•
Fuel Tanks	Blue Bird			
Fuel Fill Stations	Blue Bird			
Fuel Fill Gauges	Blue Bird			
Fuel Supply Line - To High-Pressure Filter	Blue Bird			
High-Pressure Fuel Manifold	Blue Bird			
Fuel Vent lines and Stack	Blue Bird			
Engine Lubrication System				
Crankcase Vent Tube	ROUSH CleanTech	•	•	•
PCV Closure Hose	ROUSH CleanTech	•	•	•
Dipstick - Eng Oil	ROUSH CleanTech	•	•	•
Dipstick Tube - Eng Oil	ROUSH CleanTech	•	•	•
Miscellaneous				
Shield - Exhaust Manifold (RH)	ROUSH CleanTech	•		
Shield - Exhaust Manifold (LH)	ROUSH CleanTech	•		

Component	Warranty Coverage	Base 5 Year Coverage	Extended 7 Year Coverage	Component
Cap - Water Inlet Port	ROUSH CleanTech	•		
Mounting				
Bracket - RH off Eng Mount	ROUSH CleanTech	•	•	
Bracket - LH off Eng Mount	ROUSH CleanTech	•	•	
Isolator Asy - Eng Mount (RH)	ROUSH CleanTech	•	•	•
Isolator Asy - Eng Mount (LH)	ROUSH CleanTech	•	•	•
Cross Member - Engine	Blue Bird			
Transmission				
Base 6R140 Transmission	Ford			
Plug - Torque Convertor Access	ROUSH CleanTech	•	•	•
Cover - Cylinder Block Opening	ROUSH CleanTech	•	•	•
Plate - Engine Rear Cover	ROUSH CleanTech	•	•	•
Cooling				
Fan Clutch	ROUSH CleanTech	•	•	
Fan	ROUSH CleanTech	•	•	
Fuel Regulator Coolant Lines	Blue Bird			
Air Cleaner				
Air Cleaner Assembly	ROUSH CleanTech	•	•	
MAF Sensor	ROUSH CleanTech	•	•	
Exhaust				
Y-Pipe Assembly	ROUSH CleanTech	•	•	
Isolator - Hot End	ROUSH CleanTech	•	•	
Catalyst Assembly	ROUSH CleanTech	•	•	
Isolator - Cold End	Blue Bird			
Exhaust Manifold and Studs	Ford			
Muffler	Blue Bird			
Exhaust Piping	Blue Bird			
Electrical				
Starter Motor	ROUSH CleanTech	•		
Shield - Starter Motor	ROUSH CleanTech	•		
PCM	ROUSH CleanTech	•	•	•
Calibration - PCM	ROUSH CleanTech	•	•	•
CMS Sensor (Post-Cat O2 Sensor)	ROUSH CleanTech	•	•	
UEGO Sensor (Pre-Cat O2 Sensor)	ROUSH CleanTech	•	•	
Gateway Module - CNG Programmed	ROUSH CleanTech	•	•	•
Relay - Fuel Pump (EFPR)	ROUSH CleanTech	•	•	•

Component	Warranty Coverage	Base 5 Year Coverage	Extended 7 Year Coverage	Component
Engine Block Heater	ROUSH CleanTech	•	•	
Wiring - Engine Block Heater	ROUSH CleanTech	•	•	
Engine and Chassis Wiring Harnesses	Blue Bird			
Driver Controls				
Accelerator Pedal	ROUSH CleanTech	•	•	
Switch - Brake Pedal	Blue Bird			
Label Kits				
Canadian Label Kit (French)	Blue Bird			



SCHOOL BUS LIMITED BODY WARRANTY **(Starting with 2004 model year)**

Micro Bird Inc. warrants that each new MB "Series" bus body will be free of defects in factory-supplied materials and/or workmanship under normal use and service within the limits below.

1. → For a period of five (5) years/160,000 kilometres or 100,000 miles, whichever occurs first from date of delivery of the vehicle to the original user, Micro Bird Inc. warrants the:
 - a. Body structure (those structural metal components welded or riveted together forming floor, side walls, roof, front and rear sections) to be free from defects in structural integrity (i.e. breakage or cracking) including rust-through.
 - b. School bus seat frames and barrier frames to be free from defects in structural integrity (i.e. breakage or cracking).
2. → For a period of one (1) year/20,000 kilometres or 12,000 miles, whichever occurs first from date of delivery of the vehicle to the original user, Micro Bird Inc. warrants the:
 - a. Parts on a Micro Bird by Girardin other than chassis parts.
 - b. Accessories, or components, except those having their own separate warranty and/or those accessories or components listed under the section Exclusions (Page 2).

Micro Bird Inc. obligation covered in this Limited Body Warranty is limited to the repair or replacement (parts and labour) of such parts as shall, under normal use and service, appear to have been defective in workmanship or material. Without restricting the generality of this limitation, loss of use, commercial loss, and maintenance are specifically not covered.

Micro Bird Inc. cannot and will not assume any responsibility in connection with any of its bodies that have been altered outside the factory or without the written approval of the service and Warranty Department. Overloading beyond the normal seated and standee capacity voids all warranties.

This limited warranty is expressly in lieu of all other warranties exposed or implied and all other obligations or liabilities. No person, including salesmen, dealers, distributors, or factory representatives of Micro Bird Inc., is authorized to make any representation or warranty concerning Micro Bird by Girardin products except to refer purchasers to this limited warranty. Micro Bird Inc. makes no warranty of merchantability of fitness for a particular purpose. Micro Bird Inc. shall not be liable for incidental or consequential damages.

This warranty is to be governed by and interpreted in accordance with the existing laws, trade practices and uses of the province of Québec.



SCHOOL BUS LIMITED BODY WARRANTY **(Starting with 2004 model year)**

Micro Bird Inc. reserves the right to make changes in design and changes or improvements upon its products without imposing any obligations upon itself to install the same upon products theretofore manufactured.

WARRANTY CLAIM

All warranty repairs must originate within the warranty period as stated herein and must be submitted by an authorized Micro Bird by Girardin distributor and through Micro Bird Inc. Service and Warranty Department. **Any amounts over \$200.00 must be approved prior to repairs.** A warranty repair estimate (parts and labour) must be submitted in writing for approval (via e-mail). A detailed description of the situation and pertaining pictures shall be provided. The authorisation form request is available on GOLS.

Repairs must be completed no later than ninety (90) days following receipt of an approval from Micro Bird Inc.

Sublet repairs will be credited at Micro Bird Inc. standard labour rate.

Micro Bird Inc.
Service and Warranty Department
Tel.: (819) 477-2012 Ext. 401 Fax: (819) 475-9633
chantal.blanchette@microbird.com

EXCLUSIONS

This limited warranty does not cover maintenance, wear or impact on Micro Bird by Girardin products, including, but not limited to, flexible and rigid hoses, electric wiring and harnesses and any other item that may show evidence of negligent use, overloading, abuse, accident, improper maintenance or storage, improper use, or unauthorized alterations.

The following factors are beyond Micro Bird Inc. control and do not qualify for a refund pursuant to the warranty.

- a) Vehicle or parts damaged during shipping or storage;
- b) Cost of missing options to meet state or province regulations. The minibus is built according to the distributor's signed purchase order.**
- c) Paint damage caused by road debris, including stone chipping, environmental and industrial fallout;
- d) Transportation of vehicle for inspection and/or repair purposes;
- e) Costs incurred by overtime work;
- f) Troubleshooting and diagnosis time due to a lack of product knowledge;
- g) Cost of replacement vehicle (similar product) during repairs under warranty;
- h) Cost of transportation and communications during repairs under warranty;



SCHOOL BUS LIMITED BODY WARRANTY **(Starting with 2004 model year)**

- i) Failure on chassis (cut away) or chassis parts;
- j) Failure caused by non-Micro Bird by Girardin parts or components;
- k) Normal noises, vibration, deterioration, discolouration, deformation and fading are not considered defects and not covered by any warranty.

PARTS

All parts must be ordered through A.G.I. (Autobus Girardin Inc.) parts department. The parts will be credited at distributor cost. AGI's invoice number must be supplied in the PARTS section of the claim on line form.

A.G.I.

Tel: (800) 567-1448 or (819) 477-9087 Ext: 223

Fax: (819) 475-9779

ronald.st-pierre@girardin.com

LABOUR

The work time allowed for repairs will be credited according to the standard repair time list (www.golsystem.com, SERVICE / Flat rate chart). For other repairs, the work time allowed will be estimated by Micro Bird Inc. Service and Warranty Department. For any repairs such as, but not limited to, electrical or water infiltration, if more than 30 minutes are spent to locate the source of defect, please contact Micro Bird Inc. Service and warranty department for technical help.

REVIEW OF DECISION

A distributor who wishes to appeal a claim settlement decision must communicate, in writing, the reasons for requesting a second examination of the warranty claim to Micro Bird Inc. Service and Warranty Department. Each case will be reviewed by a committee of experts and special agreements, if necessary, may be arrived at.

WARRANTY POLICY – PRODUCTS IN STOCK

The distributor shall conduct periodic monthly inspections of product(s) in stock. The distributor shall be solely responsible for any breakage, loss or deterioration which may occur to products in inventory and shall take the necessary steps to ensure that products are properly stored. If, during the storage period, a warranty claim is deemed necessary, it shall be accepted only in the case of a manufacturing defect and, not in the case of improper protection and/or storage protection defect.

SCHOOL BUS LIMITED BODY WARRANTY
(Starting with 2004 model year)



WARRANTY POLICY – DEMONSTRATORS

Demonstrations are sometimes required to promote sales. It is the distributor's responsibility to ensure that any Micro Bird by Girardin used as a demonstrator is in perfect order.

WARRANTY CLAIMS PROCEDURE

The procedure to submit a claim is as follows:

A) COMPLETE THE FORM:

1. **The claims must be submitted by internet on GOLS.** (www.golsystem.com / SERVICE / Claims Online).
2. All necessary sections of the warranty claim form must be completed.
3. **Only one vehicle can be claimed on each form.** Each different issue on that vehicle must be separated and explained on different lines of the same claim number.
4. A detailed description of the complaint, cause and correction made to solve the issue must be supplied.
5. Clear pictures showing the area (close up and farther away) from the bus before modifications must be annexed to enable proper understanding of needed repairs.
6. If the repairs have been performed outside the dealership, or if parts have not been purchased from our parts center, a copy of the sublet or part invoice must be annexed to the warranty claim to provide better documentation relevant to the analysis of the situation.
7. Claims should be checked periodically to provide any additional details or get information on merchandise return. In such cases, the claim will be highlighted in red and our comments will appear in the SUMMARY section.

B) TERMS AND CONDITIONS:

1. Any claim that includes a replacement part, or parts, must be accompanied by a copy of the invoice (from supplier) so as to justify the refund amount being claimed.
2. Any claim of less than \$ 25.00 (parts and labour) will be rejected.
3. **All warranty claims must be submitted on Micro Bird Inc. Website no later than forty-five (45) days after the date of the repair work.**
4. No warranty claim will be processed if the vehicle has not been registered (doesn't apply to stock units).

SCHOOL BUS LIMITED BODY WARRANTY
(Starting with 2004 model year)



PROVISION CONCERNING DEFECTIVE PARTS

Defective part(s) can be disposed of only once the claim has been credited. It may be necessary to return defective parts to Micro Bird Inc for evaluation. In such cases, a Returned Merchandise Authorisation number will be given with instructions and defective parts will need to be shipped to the attention of the Service and Warranty Department.

To facilitate prompt handling of your claim, returned parts must be cleaned and accompanied by a copy of the Merchandise Return Request. **In cases where a defective part is not returned by the distributor, as required by Micro Bird Inc., the associated claim will be cancelled within fifteen (15) days** of the date indicated on the authorized Merchandise Return Request.

DISTRIBUTOR'S RESPONSIBILITIES

As a Micro Bird Inc. distributor, you are responsible for:

1. **Conducting a visual inspection within ten (10) days of the shipping date of the vehicle from the Micro Bird Inc. facility to your premises. No claim will be accepted for missing or damaged components after this delay.**
2. Checking each product for damage that may have occurred during shipping. Micro Bird Inc. cannot be held liable for damage occurring during shipping. Any claim must be filed with the carrier.
3. Conducting periodic monthly inspections of products in stock. You are solely responsible for any breakage, loss or deterioration which may occur to products in inventory and must take the necessary steps to ensure that products are properly stored.
4. Completing the Warranty Registration form on GOLS, making sure to provide accurate contact information concerning your customer. Any relevant information that is missing will result in a delay in the event of a recall notice and/or campaign.
5. Entering this information on GOLS is essential for the validation of our warranty program. No claims will be accepted unless the vehicle has been registered. (Does not apply to unsold vehicles).
6. As the end customer's primary source of information, you are responsible for informing your customers about the necessity of following a preventive maintenance program, about best operating practices, and about the safety rules to be followed when using a Micro Bird by Girardin.
7. Micro Bird Inc. Service Department can help you solve technical problems over the telephone. In the event that a Micro Bird Inc. service representative must be dispatched to the location to help service the vehicle, the distributor is responsible for dispatching his own technical personnel on-site at the same time.

SCHOOL BUS LIMITED BODY WARRANTY
(Starting with 2004 model year)



Notice: A survey may be sent directly to some of Micro Bird by Girardin owners to verify their level of satisfaction on the following points:

- Condition of the vehicle received (ex.: cleanliness, missing components).
- Quality of the vehicle received.
- Information received from his distributor (preventive maintenance program, operating practices, and safety rules).
- Quality of the sales service provided by his distributor.
- Quality of the after-sales service provided by his distributor.
- Etc.



Limited Warranty (Effective 1/1/11)

Collins Bus Corporation (Collins) warrants each new bus body to be free from defects in material and workmanship under normal use and service within the expressed time and mileage limits set forth herein.

1. **What is Covered by this Warranty.** Collins warrants to the original purchaser only, that the bus that is the subject of this sale and all other original components manufactured by Collins are free from defects in material and workmanship. The duration of warranties offered herein are as follows:
 - A. For a period of five (5) years from the date of delivery or 100,000 miles, whichever occurs first, Collins warrants the:
 - a. Body shell (including structural metal components welded or riveted together forming the floor, side walls, roof, front or end caps) to be free from defects in structural integrity, including rust-through.
 - b. School bus seat frames and barrier frames to be free from defects in structural integrity.
 - B. For a period of two (2) years from the date of delivery or 24,000 miles, whichever occurs first, Collins warrants all other components manufactured by Collins.
 - C. For a period of one (1) year from the date of delivery or 12,000 miles, whichever occurs first, Collins warrants all other components not covered by A and B above, except for the chassis, the wheelchair lift (if applicable), and the air conditioner system which are warranted by their manufacturers with copies of said warranties supplied with each new bus.

If the purchaser discovers within any of the applicable periods a defect in material or workmanship, they must notify Collins promptly in writing. In no event shall such notification be received by Collins later than one (1) month after the applicable warranty period or one month after the applicable mileage, whichever comes first. Within a reasonable time such notification, Collins will correct any defect in material or workmanship with either new or used replacement parts, at Collins' option. Such repair, including both parts and labor, is at Collins' expense. All service work must be done at authorized service centers. Collins will not reimburse purchaser for any service work not performed at an authorized service center. These remedies are the purchaser's exclusive remedies for breach of warranty.

2. **What is Not Covered by this Warranty.** Collins does not warrant (a) any product, components or parts not manufactured by Collins, including but not limited to the chassis or any chassis part, (b) damage caused by use of the bus body for purposes other than those for which it was designed, (c) damage caused by accident or the negligence of the purchaser or any third party or by disasters such as fire, flood, wind, and lightning, (d) damage caused by the purchaser's failure to provide normal preventive maintenance as customarily accepted in the industry or as set forth in maintenance guidelines, (e) filters, belts or other parts which are a part of normal maintenance replacement, (f) damage caused by unauthorized or improper installation of attachments, repairs, modifications or alterations, (h) damage caused by replacement of original parts or components with unauthorized substitutes, (i) damage during shipment, or (j) any other abuse or misuse by the purchaser (k) damage caused by exposure to contaminants, corrosives, salt, chemicals, irradiation or environmental or atmospheric conditions, (l) tires carry only the warranty of their manufacturer. Collins makes no warranty whatsoever concerning tires.
3. **Disclaimer of Warranty.** THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
4. **Limitation of Remedies.** In no case shall Collins be liable for any special, incidental, or consequential damages based upon breach of warranty, breach of contract, negligence, strict tort, or any other legal theory. Such damages include, but are not limited to, loss of profits, loss of savings or revenue, loss of use of the bus body or any associated equipment, cost of capital, cost of any substitute bus body, equipment, facilities or services, downtime, the claims of third parties including customers, and injury to property. This limitation does not apply to claims for personal injury. Some states do not allow limits on warranties, or on remedies for the breach in certain transactions. In such states, the limits in this paragraph and in paragraph (3) may not apply.
5. **Warranty Claim Procedure.** The Purchaser must notify Collins in writing of a warranty claim prior to any warranty work. Collins will provide the purchaser with further instructions on how to proceed with such warranty claim. Any notice of a warranty claim and all other warranty correspondence must be sent to Collins Bus Corporation, P.O. Box 2946, Hutchinson, KS 67504-2946. Collins may designate new or additional addresses.
6. **Time Limit for Bringing Suit.** Any action for breach warranty must be commenced within 15 months following delivery of the vehicle or within the first three (3) months following the first 12,000 miles, whichever comes first.
7. **No Other Warranties.** Unless modified in writing and signed by both parties, this agreement is understood to be the complete and exclusive agreement between parties, superseding all the prior agreements, oral or written, and all other communications between the parties (including without limitation any terms and conditions contained in any purchase order or sales invoice issued pursuant to the sale of this bus body) relating to the subject matter of this agreement. No employee of Collins or any other party is authorized to make any warranty in addition to those made in this agreement.
8. **Warranty Registration.** This warranty is conditioned upon receipt by Collins of a completed and signed customer acceptance card within two weeks of delivery. It is the obligation of the purchaser to sign the customer acceptance card and return it to Collins within the two weeks following delivery. The customer acceptance card must be on file for any warranty claim to be considered.



LIMITED LIFETIME PAINT WARRANTY (Effective 1/1/11)

1. What is Covered By This Warranty. Collins Bus Corporation (CBC) warrants, to the original purchaser only, that the bus body that is the subject of this sale is effectively painted and free from coating defects in material and workmanship and further warrants that the bus body will remain free of paint defects. The duration of the warranty is for the life of the vehicle, limited however to the original purchaser commencing with the date the bus is painted by CBC. The obligation of CBC is to provide paint material and application labor according to this schedule:

- (I) Material for life of vehicle
- (II) Cost of repair labor covered in full during the first three years of the vehicle's life
- (III) 50% of the cost of repair labor in year four of the vehicle's life
- (IV) 25% of the cost of repair labor in year five of the vehicle's life

The warranty provided herein shall cover and extend to the following properties of the paint system:

- (A) Loss of adhesion of the paint system resulting in rust (less than rust grade 5, ASTM D 610-85)
- (B) Cracking of the paint system (as set forth in ASTM D 661-86)
- (C) Loss of adhesion of any element of the paint system resulting in appearance below standards set out in ASTM D 1654-79A
- (D) Fading or loss of gloss below standards set out in ASTM D 659-86, value number 4 or lower

If within the warranty period, purchaser discovers a defect in material or workmanship, it must promptly notify CBC in writing. In no event shall CBC be obligated to accept such notification unless it is received by CBC not later than one month following the expiration of the warranty period. Within a reasonable time after such notification, CBC will correct any defect in material or workmanship. Such repair, including both paint materials and labor, is at CBC's expense according to the schedule listed. All warranty work is subject to CBC's or its agent's prior examination and approval and will be performed by CBC or its agents at service centers designated by CBC or its paint vendor. All transportation to and from the designated service center will be at the purchaser's expense and is not included as a cost of repair covered by this warranty. These remedies are the purchaser's exclusive remedies for breach of warranty.

2. What is Not Covered By This Warranty. CBC does not warrant (a) the exterior finish on trim or any fiberglass components, including but not limited to hardware moldings, windows, mirrors, lights and other appointments and accessories, (b) any product finishes, component finishes or finishes of parts not manufactured by CBC including the chassis, (c) damage caused by use of the bus body for purposes other than those for which it was designed, (d) damage caused by accident or the negligence of the purchaser or any third party or by disasters such as fire, flood, wind, lightning, acid rain, and industrial fallout, (e) damage caused by the purchaser's failure to provide normal preventive maintenance as customarily accepted in the industry or as set forth in maintenance guidelines, (f) damage caused by unauthorized or improper installation of attachments, repair, modifications or alterations, (g) damage caused by replacement of original parts or components with unauthorized substitutes, (h) damage during shipment (i) damage caused by abrasion or external foreign objects, (j) decals, stickers, name plates, pin stripes, or damage caused by application or removal of the same, (k) damage resulting from dissimilar metal contact corrosion, or crevice corrosion, (l) and other abuse or misuse by the purchaser, (m) damage caused by exposure to contaminants, corrosives, salt, chemicals, irradiation or environmental or atmospheric conditions

3. Disclaimer of Warranty. THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

4. Limitation of Remedies. In no case shall CBC be liable for any special, incidental, or consequential damages based upon breach of warranty, breach of contract, negligence, strict tort, or any other legal theory. Such damages include, but are not limited to, loss of profits, loss of savings or revenue, loss of use of the coach body, equipment, facilities or services, downtime, the claims of third parties including customers, and injury to property. This limitation does not apply to claims for personal injury. Some states do not allow limits on warranties, or on remedies for breach in certain transactions. In such states, the limits in this paragraph and in paragraph (3) may not apply.

5. Warranty Claim Procedure. The purchaser must notify CBC in writing of a warranty claim prior to any warranty work. CBC will provide the purchaser with further instructions on how to proceed with such warranty claim. Any notice of a warranty claim and all other warranty correspondence must be sent to Collins Bus Corporation, P.O. Box 2946, Hutchinson, Kansas 67504-2946. CBC may designate new or additional addresses.

6. Time Limit for Bringing Suit. Any action for breach of warranty must be commenced within three months following the expiration of the warranty period.

7. No Other Warranties. Unless modified in a writing signed by both parties, this agreement is understood to be the complete and exclusive agreement between the parties, superseding all prior agreements, oral or written, and all other communications between the parties (including without limitation any terms and conditions contained in any purchase order or sales invoice issued pursuant to the sale of this coach body) relating to the subject matter of this agreement. No employee of CBC or any other party is authorized to make any warranty in addition to those made in this agreement.

8. Warranty Registration. This warranty is conditioned upon receipt by CBC of a completed and signed customer acceptance card within two weeks of delivery. It is the obligation of the purchaser to sign the customer acceptance card and return it to CBC within the two weeks following delivery. The customer acceptance card must be on file for any warranty claim to be considered.



Mobile Climate Control

MANUFACTURER'S WARRANTY-BUS

Mobile Climate Control 36-Months / Unlimited Miles Factory Limited Warranty

Mobile Climate Control Corporation, hereafter referred to as "MCC", warrants that each product of its manufacture is free from defects in material or factory workmanship, for a period of (36) months from original date in service on original vehicle. If date in service is not registered, the date of shipment from the plant will be utilized to establish the (36) month warranty period. MCC agrees to repair or replace with a new or repaired part, any individual part of a MCC unit assembly which, after inspection, has been proven to be defective within the warranty period stated. Replacement of the complete MCC unit assembly requires factory approval before work can begin. Replacement of a defective part within the warranty period will include labor for replacement at factory established rates, if performed by any authorized MCC Service and Warranty Center or MCC Dealer (herein referred to as "Service Center"). Compensation at factory established rates, for loss of refrigerant will be paid only when caused by a defective part and if the defective part was under warranty at the time of failure.

I. CONDITIONS OF WARRANTY

Handling of Warranty Claims:

A. Should a failure occur to a MCC component under warranty, return the vehicle to the OEM, installer, Dealer or Service Center from whom the air conditioner was purchased. Present a copy of your warranty registration acknowledgement. The Service Center will make the necessary repairs to the system, including parts replacement as covered by the warranty. Such repairs will not include costs in transporting the vehicle to the Service Center, loss of time and/or revenue by the customer or cost of alternate transportation.

B. If it is not possible to return to the OEM, installer, Dealer or original service center, take the vehicle to any convenient service center. To locate an authorized Service Center log on to: www.mcc-hvac.com. Should you be unable to locate an authorized Service Center contact the factory @ (1-800) 673-2431 and you will be assisted.

II. EXCLUSION FROM WARRANTY:

THIS WARRANTY SHALL NOT APPLY TO:

A. Any part or parts of products becoming defective as a result of negligence, lack of preventative maintenance, accident or other casualty.

B. Owner's failure to provide nominal maintenance such as: the proper tightening of compressor drive belts, added amounts of refrigerant due to natural permeation, fittings and component mounting hardware tensioning, cleaning coils, replacement of filter drier in accordance with standard refrigeration practices; improper voltage or loose electrical connectors; and maintaining proper refrigerant and refrigerant oil levels.

C. Improper installation, repairs or alterations not approved by authorized MCC personnel.

D. Operation in any manner contrary to MCC's operation and service procedures.

E. Any parts or products which have been modified outside of MCC's factory unless specific written authorization for such modification has been issued by MCC engineering personnel.

F. Defects caused by any repair facility during system maintenance or repair to include system contamination, loose fittings or wiring, torn or crimped O-rings, etc.

G. Consumable or expendable items including but not limited to: filters, belts, lubricants, motor brushes, receiver/filter driers replaced in accordance with standard refrigeration practices, etc.

III. CONDITIONS:

A. This warranty is only valid in the United States of America, its legal territories and Canada.

B. Mobile Climate Control neither assumes nor authorizes any person to assume for it, any obligation or warranty other than that stated within.

C. Mobile Climate Control reserves the right to make changes in design or improvements of its products or parts thereof, without obligation to make or

install such changes or improvements on existing units or upon products covered in this warranty.

D. Remedies available to the owner for breach of the MCC Manufacturer's Warranty are expressly limited to an action to recover the cost of repairs or replacements due hereunder, and MCC's liability for incidental and consequential damages arising from breach of this warranty is hereby excluded to the full extent permitted by applicable law. No action or proceeding arising out of, for breach or, or in any manner relating to this warranty may be brought by anyone after six months of notification to MCC of in-warranty failure.

E. Repair or replacement of any parts of the product under this warranty shall not extend this warranty with respect to such repaired or replaced parts or parts beyond the original warranty period.

F. MCC does not warrant the workmanship of the installer; unless performed directly by our own MCC personnel, and will not bear any cost due to faulty or incorrect installation or shipping damage.

G. MCC will not be liable for loss of time or revenue, labor, towing, equipment rental or other expenses while products are out of service.

H. MCC shall credit authorized Service Centers only for labor for replacement or repair of defective parts discovered during the warranty period, when the equipment is properly installed, serviced and operated under normal conditions according to MCC's operations and service procedures.

The foregoing obligation is expressly given in lieu of any other warranties, expressed or implied, including any implied warranty of merchantability or fitness for particular purpose, which exceeds the responsibilities expressly set forth herein. No action or proceeding arising out of, for breach of, or in any manner relating to the warranty and limitation may be brought by anyone after six months from notification to MCC of in-warranty failure.

Limitation of Liability:

MCC and its affiliates SHALL NOT BE LIABLE IN CONTRACT OR TORT FOR ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES or losses of a commercial nature, including but not limited to injuries or damage caused to vehicles or content, arising out of a malfunctioning product or its parts or components thereof, or as a result of defects in material or workmanship.

THE OWNERS SOLE AND EXCLUSIVE LIABILITY SHALL BE LIMITED TO THE REPAIR OR REPLACEMENT OF PARTS OR COMPONENTS CONTAINED IN THE PRODUCTS SOLD HEREUNDER WHICH IS UNDER NORMAL USE AND SERVICE MALFUNCTION AS A RESULT OF DEFECTS IN MATERIAL OR WORKMANSHIP SUBJECT TO THE PROVISIONS AND LIMITATIONS STATED ABOVE.

Definition of Terms:

MCC Unit Assembly – Complete condenser or evaporator unit, rear mount unit or rooftop unit.

MCC Service and Warranty Center or MCC Dealer – Certified MCC Service and Warranty or Warranty location.

Standard Refrigeration Practices – Replacement of filter drier when system is opened in accordance with SAE, IMACA, and ARI best practices.

OEM – Original Equipment Manufacturer.

Warranty Registration Process – Computer generated form showing registration of serial numbered unit assemblies installed in the system



2 Year Unlimited Mile with 3 Year Parts Only/75,000 Mile Warranty

ACC Climate Control; a Valeo Brand, hereinafter referred to as "ACC", warrants its products to the original purchaser, subject to normal use and service, for a period of 24 months unlimited miles with parts only for 36 months under 75,000 miles, whichever occurs first, from the date of equipment installation, and while in possession of the original owner.

ACC agrees to repair or replace with a new or repaired part, any part of an ACC unit which, after inspection has proven to fail because of a manufacturing defect, within the warranty period. Replacement of a defective part within the warranty period will include labor for replacement at factory established rates if performed at any authorized Service Center. Compensation at factory established rates for loss of refrigerant will be paid only when caused by a defective part and if the defective part itself was under warranty at the time of failure.

CONDITIONS OF WARRANTY

1. Handling of Warranty Claims.

- A. Should a failure occur to an ACC component under warranty, call ACC at (574) 264-2190 for authorization (**pre-authorization is required before work is performed**) and return the vehicle to the installer or dealer from whom the air conditioning was purchased. Present your copy of the warranty registration card. He will make the necessary repairs to the system or replacement parts as covered by the warranty.
- B. If it is not possible to return to the original dealer, take the vehicle to any convenient ACC dealer and present your Warranty Card. He will contact the factory for authorization for the necessary repairs. Should you be unable to locate an authorized ACC dealer, contact the factory and you will be assisted.

2. Exclusions from Warranty.

THIS WARRANTY SHALL NOT APPLY TO:

- A. Any part or parts of products becoming defective as a result of negligence, accident, or other casualty.
- B. Owner's failure to provide normal maintenance such as lubrication of engine, tightening belts, cleaning coils, loss of refrigerant, drier replacement or improper voltage or electrical connections.
- C. Improper installation, repair, or alterations.
- D. Operation in a manner contrary to ACC's printed instructions.
- E. Any parts or products which have been repaired or altered outside of ACC's factory unless specific written authorization for such repair or alteration has been issued by ACC.

3. Conditions.

- A. ACC neither assumes nor authorizes any person to assume for it, any obligations or warranty other than that herein stated.
- B. ACC reserved the right to make changes in design or improvements of its products or parts thereof without obligations to make or install such changes or improvements in or upon products covered in this warranty.
- C. Remedies available to the owner for breach of the A/C Factory Warranty are expressly limited to an action to recover the cost of repairs or replacement due hereunder.
- D. Repair or replacement of any part or parts of the products under this Warranty shall not extend this Warranty with respect to such repaired or replaced part or parts beyond the warranty period.
- E. ACC does not warrant the workmanship of the installer and will not bear any cost due to faulty or incorrect installation or shipping damage.
- F. ACC will not be liable for loss of time, labor, equipment, rental, or other expenses while products are out of service.
- G. ACC shall credit authorized dealers for labor for replacement or repair of defective parts discovered during the first 60 months/unlimited mileage after installation, per the published schedule of labor allowance in the Warranty Policy and Procedures Manual.
- H. This Warranty shall remain in effect, for the aforementioned 24 months/unlimited miles with 36 months parts only coverage up to 75k miles when the equipment is properly installed, serviced and operated under normal conditions according to ACC's instructions.
- I. Items such as filters, belts, pulleys, tensioners, driers, lubricants, etc. are considered expendable and not covered under warranty.

4. Requirements.

- A. ACC requires standard preventative maintenance to be performed at intervals of no less than 1 year or 50k miles, whichever occurs first. Reference document numbers QF 75.5-001 and QF 75.5-002 for ACC standard preventative maintenance guidelines, available at www.acclimatecontrol.com.
- B. ACC requires all parts used for standard preventative maintenance be purchased from ACC directly or an ACC certified parts distributor at the customer's expense. Customers are required to retain documentation proving the purchase of these parts and documentation proving the service was performed by an ACC certified service center. Failure to do this will void all ACC warranty coverage immediately.

ACC DISCLAIMS ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOSS OF USE OF THE VEHICLE, LOSS OF TIME, INCONVENIENCE; EXPENSE FOR TRAVEL, LODGING, LOST INCOME OR REVENUE, TRANSPORTATION CHARGES OR LOSS OR DAMAGE OF PERSONAL PROPERTY. SOME STATES DO NOT ALLOW EXCLUSIONS OR LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY IS THE ONLY EXPRESSED WARRANTY BY ACC AND NO DEALER OR SERVICE FACILITY IS AUTHORIZED BY ACC TO MODIFY OR EXTEND IT. ANY IMPLIED WARRANTIES, INCLUDING WARRANTY OF FITNESS FOR PARTICULAR PURPOSE, OR WARRANTY OF MERCHANTABILITY, ARE EXPRESSLY LIMITED IN DURATION TO THE SAME PERIOD AS THE EXPRESSED WARRANTY. SOME STATES DO NOT ALLOW LIMITATIONS ON IMPLIED WARRANTIES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. THIS WARRANTY IS NULL AND VOID UNLESS THE WARRANTY REGISTRATION CARD IS COMPLETED AND MAILED TO ACC WITHIN THIRTY DAYS OF THE DATE OF ORIGINAL RETAIL PURCHASE. IN ADDITION TO THE ABOVE RIGHTS, THE PURCHASER HAS CERTAIN LEGAL REMEDIES PROVIDED BY THE MAGNUSON MOSS WARRANTY ACT, PUBLIC LAW 93-637. YOU MAY ALSO HAVE CERTAIN RIGHTS UNDER STATE LAW.

ACC Climate Control; a Valeo Brand · 22150 Challenger Dr. · Elkhart, IN 46514 · PH 574-264-2190

Pursuant to the authority vested in California Air Resources Board by Health and Safety Code Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-19-095;

IT IS ORDERED AND RESOLVED: The engine and emission control systems produced by the manufacturer are certified as described below for use in on-road motor vehicles with a manufacturer's GVWR over 14,000 pounds. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	ENGINE SIZES (L)	FUEL TYPE ¹	STANDARDS & TEST PROCEDURE	INTENDED SERVICE CLASS ²	ECS & SPECIAL FEATURES ³	DIAGNOSTIC ⁶
2021	MCEXH0540LCA	8.9	Diesel	Diesel	MHDD	DDI, TC, CAC, ECM, EGR, OC, PTOX, SCR-U, AMOX	OBD(\$)
PRIMARY ENGINE'S IDLE EMISSIONS CONTROL ⁵		ADDITIONAL IDLE EMISSIONS CONTROL ⁵					
30g		N/A					
ENGINE (L)		ENGINE MODELS / CODES (rated power, in hp)					
8.9		See attachment for engine models and ratings					

^{*} =not applicable; GVWR=gross vehicle weight rating; 13 CCR xyz=Title 13, California Code of Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Federal Regulations, Section 86.abc;
L=liter; hp=horsepower; kw=kilowatt; hr=hour;
¹ CNG/LNG=compressed/liquefied natural gas; LPG=liquefied petroleum gas; E85=85% ethanol fuel; MF=multi fuel a.k.a. BF=bi fuel; DF=dual fuel; FF=flexible fuel;
² L/M/H HDD=light/medium/heavy heavy-duty diesel; UB=urban bus; HDO=heavy duty Otto;
³ ECS=emission control system; TWC/OC=three-way/oxidizing catalyst; NAC=NOx adsorption catalyst; SCR-U / SCR-N=selective catalytic reduction – urea / – ammonia; WU (prefix)=warm-up catalyst; DPF=diesel particulate filter; PTOX=periodic trap oxidizer; HO2S/O2S=heated/oxygen sensor; HAFS/AFS=heated/air-fuel-ratio sensor (a.k.a., universal or linear oxygen sensor); TBI=throttle body fuel injection; SFI/MFI=sequential/multi port fuel injection; DGI=direct gasoline injection; GCARB=gaseous carburetor; IDI/DDI=indirect/direct diesel injection; TC/SC=turbo/super charger; CAC=charge air cooler; EGR / EGR-C=exhaust gas recirculation / cooled EGR; PAIR/AIR=pulsed/secondary air injection; SPL=smoke puff limiter; ECM/PCM=engine/powertrain control module; EM=engine modification; 2 (prefix)=parallel; (2) (suffix)=in series;
⁵ ESS=engine shutdown system (per 13 CCR 1956.8(a)(6)(A)(1)); 30g=30 g/hr NOx (per 13 CCR 1956.8(a)(6)(C)); APS =internal combustion auxiliary power system; ALT=alternative method (per 13 CCR 1956.8(a)(6)(D)); Exempt=exempted per 13 CCR 1956.8(a)(6)(B) or for CNG/LNG fuel systems; N/A=not applicable (e.g., Otto engines and vehicles);
⁶ EMD=engine manufacturer diagnostic system (13 CCR 1971); OBD(F) / (P) / (\$) =full / partial / partial with a fine / on-board diagnostic;^

Following are: 1) the FTP exhaust emission standards, or family emission limit(s) as applicable, under 13 CCR 1956.8; 2) the SET and NTE limits under the applicable California exhaust emission standards and test procedures for heavy-duty diesel engines and vehicles (Test Procedures); and 3) the corresponding certification levels, for this engine family. "Diesel" CO, SET and NTE certification compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieu of testing. (For flexible- and dual-fueled engines, the CERT values in brackets [] are those when tested on conventional test fuel. For multi-fueled engines, the STD and CERT values for default operation permitted in 13 CCR 1956.8 are in parentheses.). ⁴

in g/bhp-hr	NMHC		NOx		NMHC+NOx		CO		PM		HCHO	
	FTP	SET	FTP	SET	FTP	SET	FTP	SET	FTP	SET	FTP	SET
STD	0.14	0.14	0.20	0.20	*	*	15.5	15.5	0.01	0.01	*	*
CERT	0.03	0.03	0.09	0.04	*	*	0.1	0.00	0.005	0.004	*	*
NTE	0.21		0.30		*		19.4		0.02		*	
⁴ g/bhp-hr=grams per brake horsepower-hour; FTP=Federal Test Procedure; SET=Supplemental emissions testing; NTE=Not-to-Exceed; STD=standard or emission test cap; FEL=family emission limit; CERT=certification level; NMHC/HC=non-methane/hydrocarbon; NOx=oxides of nitrogen; CO=carbon monoxide; PM=particulate matter; HCHO=formaldehyde;												

BE IT FURTHER RESOLVED: The manufacturer has demonstrated compliance with the Greenhouse Gas Emission Standards as specified in Title 13 CCR 1956.8 and the incorporated "California Exhaust Emission Standards and Test Procedures for 2004 and Subsequent Model Heavy Duty Diesel-Engines and Vehicles" (HDDE Test Procedures) adopted December 12, 2002, as last amended April 18, 2019.

PRIMARY INTENDED SERVICE CLASS: Tractor/Vocational				
In g/bhp-hr	CO ₂		CH ₄	N ₂ O
	FTP	SET		
STD	545	473	0.10	0.10
FCL	525	492	*	*
FEL	541	507	0.10	0.15
CERT	523	492	0.02	0.15
⁴ g/bhp-hr=grams per brake horsepower-hour; FTP=Federal Test Procedure; SET=Supplemental emissions testing; STD = standard or emission test cap; FEL=family emission limit; FCL=family certification level; CERT=certification level; CO ₂ =carbon dioxide; CH ₄ =methane; N ₂ O=nitrous oxide; VOCATIONAL=vocational engine; TRACTOR=tractor engine				

BE IT FURTHER RESOLVED: Certification to the FEL(s) / FCL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(s) / FCL(s) is the emission level declared by the manufacturer and serves in lieu of an emission standard for certification purposes in any averaging, banking, or trading (ABT) programs. It will be used for determining compliance of any engine in this family and compliance with such ABT programs.

BE IT FURTHER RESOLVED: For the listed engine models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels), 13 CCR 1971.1 (on-board diagnostic, full or partial compliance) and 13 CCR 2035 et seq. (emission control warranty).

BE IT FURTHER RESOLVED: That the manufacturer has elected to include engine models in this engine family which are identified for "emergency vehicle use only". These "emergency vehicle use only" engines are exempt from requirements imposed pursuant to California law and the regulations adopted pursuant thereto for motor vehicle pollution control devices per California Vehicle Code Section 27156.2. The manufacturer must clearly label these engines for "emergency vehicle use only" on the engines' emission control label.

BE IT FURTHER RESOLVED: Except in vehicle applications exempted per 13 CCR 1956.8(a)(6)(B), engines in this engine family certified under 13 CCR 1956.8(a)(6)(C) [30 g/hr NOx] and section 35.B.4 of the incorporated "California Exhaust Emissions Standards and Test Procedures for 2004 and Subsequent Model Heavy-Duty Diesel Engines and Vehicles" (HDDE Test Procedures) adopted December 12, 2002, as last amended April 18, 2019, shall be provided with an approved "Certified Clean Idle" label that shall be affixed to the vehicle into which the engine is installed.

BE IT FURTHER RESOLVED: The listed engine models L9 450, L9 400, L9 380, L9 370, PX-9 450, PX-9 400, PX-9 380, PX-9 370, L9 450 EV, L9 400 EV, L9 380 EV, L9 370 EV, PX-9 450EV, PX-9 400EV, PX-9 380EV, and PX-9 370EV are conditionally certified in accordance with 13 CCR Section 1971.1 (k) (deficiency and fines provisions for certification of malfunction and diagnostic system) because the heavy-duty on-board diagnostic (HD OBD) system has been determined to have four deficiencies, and therefore is approved subject to the manufacturer paying a fine of \$75 per engine for the third through fourth deficiencies in the listed engine family that is produced and delivered for sale in California. Furthermore, the remaining listed engine models are conditionally certified in accordance with 13 CCR Section 1971.1 (k) (deficiency and fines provisions for certification of malfunction and diagnostic system) because the heavy-duty on-board diagnostic (HD OBD) system has been determined to have five deficiencies, and therefore is approved subject to the manufacturer paying a fine of \$125 per engine for the third through fifth deficiencies in the listed engine family that is produced and delivered for sale in California. On a quarterly basis, the manufacturer shall submit to California Air Resources Board reports of the number of engines produced and delivered for sale in California and pay the full fine owed for that quarter pursuant to this conditional certification. Payment shall be made payable to the State Treasurer for deposit in the Air Pollution Control Fund no later than thirty (30) days after the end of each calendar quarter during the 2021 model-year production period. Failure to pay the quarterly fine, in full, in the time provided, may be cause for the Executive Officer to rescind this conditional certification, effective from the start of the quarter in question, in which case all engines covered under this conditional certification for that quarter and all future quarters would be deemed uncertified and subject to a civil penalty of up to \$37,500 per engine pursuant to HSC Section 43154.

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed on this 17th day of September 2020.


Allen Lyons, Chief

Emissions Certification and Compliance Division

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
MCEXH0540LCA	LM1	L9 450	450@2100	225	160	1250@1200	237	96	DDI, TC, CAC, ECM, EGR,
MCEXH0540LCA	LM2	L9 400	400@2200	190	141	1250@1200	237	96	OC, PTOX, SCR-U, AMOX
MCEXH0540LCA	LM3	L9 380	380@2100	186	132	1250@1200	237	96	
MCEXH0540LCA	LM4	L9 380	380@2200	181	134	1150@1200	216	87	
MCEXH0540LCA	LM5	L9 370	370@2100	177	126	1250@1200	237	96	
MCEXH0540LCA	LM6	L9 360	360@2200	179	133	1150@1200	213	86	
MCEXH0540LCA	LM7	L9 350	350@2200	173	128	1050@1200	191	77	
MCEXH0540LCA	LM8	L9 330	330@2200	160	119	1000@1200	180	73	
MCEXH0540LCA	LM9	L9 300	300@2200	146	108	860@1200	142	57	
MCEXH0540LCA	LM10	L9 270	270@2200	130	96	860@1200	142	57	
MCEXH0540LCA	LM11	L9 260	260@2200	125	93	860@1200	142	57	
MCEXH0540LCA	LM1	PX-9 450	450@2100	225	160	1250@1200	237	96	
MCEXH0540LCA	LM2	PX-9 400	400@2200	190	141	1250@1200	237	96	
MCEXH0540LCA	LM3	PX-9 380	380@2100	186	132	1250@1200	237	96	
MCEXH0540LCA	LM4	PX-9 380	380@2200	181	134	1150@1200	216	87	
MCEXH0540LCA	LM5	PX-9 370	370@2100	177	126	1250@1200	237	96	
MCEXH0540LCA	LM6	PX-9 360	360@2200	179	133	1150@1200	213	86	
MCEXH0540LCA	LM7	PX-9 350	350@2200	173	128	1050@1200	191	77	
MCEXH0540LCA	LM8	PX-9 330	330@2200	160	119	1000@1200	180	73	
MCEXH0540LCA	LM9	PX-9 300	300@2200	146	108	860@1200	142	57	
MCEXH0540LCA	LM10	PX-9 270	270@2200	130	96	860@1200	142	57	
MCEXH0540LCA	LM11	PX-9 260	260@2200	125	93	860@1200	142	57	
Emergency		Vehicle	Ratings	Below					
MCEXH0540LCA	LME1	L9 450 EV	450@2100	225	160	1250@1200	237	96	
MCEXH0540LCA	LME2	L9 400 EV	400@2200	190	141	1250@1200	237	96	
MCEXH0540LCA	LME3	L9 380 EV	380@2200	181	134	1150@1200	216	87	
MCEXH0540LCA	LME4	L9 370 EV	370@2100	177	126	1250@1200	237	96	

Engine Model Summary Template

Part #: A-021-0722

Attachment: Page 2 of 2

9/9/2020

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)		4.Fuel Rate: mm/stroke @ peak HP (for diesel only)		5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)		6.Torque @ RPM (SEA Gross)		7.Fuel Rate: mm/stroke@peak torque		8.Fuel Rate: (lbs/hr)@peak torque		9.Emission Control Device Per SAE J1930	
MCEXH0540LCA	LME5	L9 350 EV	350@2200		173		128		1050@1200		191		77		DDI, TC, CAC, ECM, EGR,	
MCEXH0540LCA	LME6	L9 330 EV	330@2200		160		119		1000@1200		180		73		OC, PTOX, SCR-U, AMOX	
MCEXH0540LCA	LME7	L9 300 EV	300@2200		146		108		860@1200		142		57			
MCEXH0540LCA	LME8	L9 270 EV	270@2200		130		96		800@1200		142		57			
MCEXH0540LCA	LME1	PX-9 450EV	450@2100		225		160		1250@1200		237		96			
MCEXH0540LCA	LME2	PX-9 400EV	400@2200		190		141		1250@1200		237		96			
MCEXH0540LCA	LME3	PX-9 380EV	380@2200		181		134		1150@1200		216		87			
MCEXH0540LCA	LME4	PX-9 370EV	370@2100		177		126		1250@1200		237		96			
MCEXH0540LCA	LME5	PX-9 350EV	350@2200		173		128		1050@1200		191		77			
MCEXH0540LCA	LME6	PX-9 330EV	330@2200		160		119		1000@1200		180		73			
MCEXH0540LCA	LME7	PX-9 300EV	300@2200		146		108		860@1200		142		57			
MCEXH0540LCA	LME8	PX-9 270EV	270@2200		130		96		800@1200		142		57			✓

Pursuant to the authority vested in California Air Resources Board by Health and Safety Code Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-19-095;

IT IS ORDERED AND RESOLVED: The engine and emission control systems produced by the manufacturer are certified as described below for use in on-road motor vehicles with a manufacturer's GVWR over 14,000 pounds. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	ENGINE SIZES (L)	FUEL TYPE ¹	STANDARDS & TEST PROCEDURE	INTENDED SERVICE CLASS ²	ECS & SPECIAL FEATURES ³	DIAGNOSTIC ⁶
2021	MCEXH0408BCA	6.7	Diesel	Diesel	MHDD	DDI, TC, CAC, ECM, EGR, OC, PTOX, SCR-U, AMOX	OBD(\$)
PRIMARY ENGINE'S IDLE EMISSIONS CONTROL ⁵		ADDITIONAL IDLE EMISSIONS CONTROL ⁵					
30g		N/A					
ENGINE (L)		ENGINE MODELS / CODES (rated power, in hp)					
6.7		See attachment for engine models and ratings					

¹ =not applicable; GVWR=gross vehicle weight rating; 13 CCR xyz=Title 13, California Code of Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Federal Regulations, Section 86.abc; L=liter; hp=horsepower; kw=kilowatt; hr=hour;
² CNG/LNG=compressed/liquefied natural gas; LPG=liquefied petroleum gas; E85=85% ethanol fuel; MF=multi fuel a.k.a. BF=bi fuel; DF=dual fuel; FF=flexible fuel;
³ L/M/H HDD=light/medium/heavy heavy-duty diesel; UB=urban bus; HDO=heavy duty Otto;
⁴ ECS=emission control system; TWC/OC=three-way/oxidizing catalyst; NAC=NOx adsorption catalyst; SCR-U / SCR-N=selective catalytic reduction - urea / -- ammonia; WU (prefix)=warm-up catalyst; DPF=diesel particulate filter; PTOX=periodic trap oxidizer; HO2S/O2S=heated/oxygen sensor; HAFS/AFS=heated/air-fuel-ratio sensor (a.k.a., universal or linear oxygen sensor); TBI=throttle body fuel injection; SFI/MFI=sequential/multi port fuel injection; DGI=direct gasoline injection; GCARB=gaseous carburetor; IDI/DDI=indirect/direct diesel injection; TC/SC=turbo/super charger; CAC=charge air cooler; EGR / EGR-C=exhaust gas recirculation / cooled EGR; PAIR/AIR=pulsed/secondary air injection; SPL=smoke puff limiter; ECM/PCM=engine/powertrain control module; EM=engine modification; 2 (prefix)=parallel; (2) (suffix)=in series;
⁵ ESS=engine shutdown system (per 13 CCR 1956.8(a)(6)(A)(1)); 30g=30 g/hr NOx (per 13 CCR 1956.8(a)(6)(C)); APS=internal combustion auxiliary power system; ALT=alternative method (per 13 CCR 1956.8(a)(6)(D)); Exempt=exempted per 13 CCR 1956.8(a)(6)(B) or for CNG/LNG fuel systems; N/A=not applicable (e.g., Otto engines and vehicles);
⁶ EMD=engine manufacturer diagnostic system (13 CCR 1971); OBD(F) / (P) / (\$) =full / partial / partial with a fine / on-board diagnostic;

Following are: 1) the FTP exhaust emission standards, or family emission limit(s) as applicable, under 13 CCR 1956.8; 2) the SET and NTE limits under the applicable California exhaust emission standards and test procedures for heavy-duty diesel engines and vehicles (Test Procedures); and 3) the corresponding certification levels, for this engine family. "Diesel" CO, SET and NTE certification compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieu of testing. (For flexible- and dual-fueled engines, the CERT values in brackets [] are those when tested on conventional test fuel. For multi-fueled engines, the STD and CERT values for default operation permitted in 13 CCR 1956.8 are in parentheses.). ⁴

in g/bhp-hr	NMHC		NOx		NMHC+NOx		CO		PM		HCHO	
	FTP	SET	FTP	SET	FTP	SET	FTP	SET	FTP	SET	FTP	SET
STD	0.14	0.14	0.20	0.20	*	*	15.5	15.5	0.01	0.01	*	*
CERT	0.03	0.01	0.11	0.06	*	*	0.03	0.00	0.004	0.003	*	*
NTE	0.21		0.30		*		19.4		0.02		*	

⁴ g/bhp-hr=grams per brake horsepower-hour; FTP=Federal Test Procedure; SET=Supplemental emissions testing; NTE=Not-to-Exceed; STD=standard or emission test cap; FEL=family emission limit; CERT=certification level; NMHC/HC=non-methane/hydrocarbon; NOx=oxides of nitrogen; CO=carbon monoxide; PM=particulate matter; HCHO=formaldehyde;

BE IT FURTHER RESOLVED: The manufacturer has demonstrated compliance with the Greenhouse Gas Emission Standards as specified in Title 13 CCR 1956.8 and the incorporated "California Exhaust Emission Standards and Test Procedures for 2004 and Subsequent Model Heavy Duty Diesel-Engines and Vehicles" (HDDE Test Procedures) adopted December 12, 2002, as last amended April 18, 2019.

PRIMARY INTENDED SERVICE CLASS: Tractor/Vocational				
In g/bhp-hr	CO ₂		CH ₄	N ₂ O
	FTP	SET		
STD	545	473	0.10	0.10
FCL	536	494	*	*
FEL	552	509	0.10	0.10
CERT	525	483	0.02	0.08

⁴ g/bhp-hr=grams per brake horsepower-hour; FTP=Federal Test Procedure; SET=Supplemental emissions testing; STD = standard or emission test cap; FEL=family emission limit; FCL=family certification level; CERT=certification level; CO₂=carbon dioxide; CH₄=methane; N₂O=nitrous oxide; VOCATIONAL=vocational engine; TRACTOR=tractor engine

BE IT FURTHER RESOLVED: Certification to the FEL(s) / FCL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(s) / FCL(s) is the emission level declared by the manufacturer and serves in lieu of an emission standard for certification purposes in any averaging, banking, or trading (ABT) programs. It will be used for determining compliance of any engine in this family and compliance with such ABT programs.

BE IT FURTHER RESOLVED: For the listed engine models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels), 13 CCR 1971.1 (on-board diagnostic, full or partial compliance) and 13 CCR 2035 et seq. (emission control warranty).

BE IT FURTHER RESOLVED: That the manufacturer has elected to include engine models in this engine family which are identified for "emergency vehicle use only". These "emergency vehicle use only" engines are exempt from requirements imposed pursuant to California law and the regulations adopted pursuant thereto for motor vehicle pollution control devices per California Vehicle Code Section 27156.2. The manufacturer must clearly label these engines for "emergency vehicle use only" on the engines' emission control label.

BE IT FURTHER RESOLVED: Except in vehicle applications exempted per 13 CCR 1956.8(a)(6)(B), engines in this engine family certified under 13 CCR 1956.8(a)(6)(C) [30 g/hr NOx] and section 35.B.4 of the incorporated "California Exhaust Emissions Standards and Test Procedures for 2004 and Subsequent Model Heavy-Duty Diesel Engines and Vehicles" (HDDE Test Procedures) adopted December 12, 2002, as last amended April 18, 2019, shall be provided with an approved "Certified Clean Idle" label that shall be affixed to the vehicle into which the engine is installed.

BE IT FURTHER RESOLVED: The listed engine models B6.7 360, PX-7 360, B6.7 360EV are conditionally certified in accordance with 13 CCR Section 1971.1 (k) (deficiency and fines provisions for certification of malfunction and diagnostic system) because the heavy-duty on-board diagnostic (HD OBD) system has been determined to have three deficiencies, and therefore is approved subject to the manufacturer paying a fine of \$25 per engine for the third deficiency in the listed engine family that is produced and delivered for sale in California. Furthermore, the remaining listed engine models are conditionally certified in accordance with 13 CCR Section 1971.1 (k) (deficiency and fines provisions for certification of malfunction and diagnostic system) because the heavy-duty on-board diagnostic (HD OBD) system has been determined to have four deficiencies, and therefore is approved subject to the manufacturer paying a fine of \$75 per engine for the third through fourth deficiencies in the listed engine family that is produced and delivered for sale in California. On a quarterly basis, the manufacturer shall submit to California Air Resources Board reports of the number of engines produced and delivered for sale in California and pay the full fine owed for that quarter pursuant to this conditional certification. Payment shall be made payable to the State Treasurer for deposit in the Air Pollution Control Fund no later than thirty (30) days after the end of each calendar quarter during the 2021 model-year production period. Failure to pay the quarterly fine, in full, in the time provided, may be cause for the Executive Officer to rescind this conditional certification, effective from the start of the quarter in question, in which case all engines covered under this conditional certification for that quarter and all future quarters would be deemed uncertified and subject to a civil penalty of up to \$37,500 per engine pursuant to HSC Section 43154.

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed on this 1st day of October 2020.


Allen Lyons, Chief

Emissions Certification and Compliance Division

Engine Model Summary Template

O #: A-021-0726
Attachment: Page 1 of 3
9/30/2020

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)		4.Fuel Rate: mm/stroke @ peak HP (for diesel only)		5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)		6.Torque @ RPM (SEA Gross)		7.Fuel Rate: mm/stroke@peak torque		8.Fuel Rate: (lbs/hr)@peak torque		9.Emission Control Device Per SAE J1930	
MCEXH0408BCA	BM1	B6.7 360	360@2600	146	128	800@1800	148	90	DDI, TC, CAC, ECM, EGR,							
MCEXH0408BCA	BM2	B6.7 340	340@2600	138	121	700@1600	134	73	OC, PTOX, SCR-U, AMOX							
MCEXH0408BCA	BM3	B6.7 325	315@2600	127	112	750@1800	143	87								
MCEXH0408BCA	BM4	B6.7 325	315@2600	127	112	750@1800	143	87								
MCEXH0408BCA	BM5	B6.7 300	300@2600	121	106	660@1600	125	67								
MCEXH0408BCA	BM6	B6.7 300	300@2600	121	106	660@1600	125	67								
MCEXH0408BCA	BM8	B6.7 280	270@2600	109	96	660@1600	125	67								
MCEXH0408BCA	BM9	B6.7 280	270@2600	109	96	660@1600	125	67								
MCEXH0408BCA	BM11	B6.7 260	250@2600	109	96	660@1600	122	66								
MCEXH0408BCA	BM12	B6.7 260	250@2600	109	96	660@1600	122	66								
MCEXH0408BCA	BM14	B6.7 250	245@2600	107	94	660@1600	122	66								
MCEXH0408BCA	BM15	B6.7 250	245@2600	107	94	660@1600	122	66								
MCEXH0408BCA	BM17	B6.7 240	235@2600	103	90	560@1600	104	56								
MCEXH0408BCA	BM18	B6.7 240	235@2600	103	90	560@1600	104	56								
MCEXH0408BCA	BM20	B6.7 220	215@2600	95	83	520@1600	97	52								
MCEXH0408BCA	BM21	B6.7 220	215@2600	95	83	600@1600	111	60								
MCEXH0408BCA	BM22	B6.7 220	215@2600	95	83	520@1600	97	52								
MCEXH0408BCA	BM23	B6.7 220	215@2600	95	83	600@1600	111	60								
MCEXH0408BCA	BM26	B6.7 200	195@2600	87	76	520@1600	97	52								
MCEXH0408BCA	BM27	B6.7 200	195@2600	87	76	520@1600	97	52								
MCEXH0408BCA	BM7	B6.7 300	300@2600	121	106	660@1600	125	67								
MCEXH0408BCA	BM10	B6.7 280	270@2600	109	96	660@1600	125	67								
MCEXH0408BCA	BM13	B6.7 260	250@2600	109	96	660@1600	122	66								
MCEXH0408BCA	BM16	B6.7 250	245@2600	107	94	660@1600	122	66								
MCEXH0408BCA	BM19	B6.7 240	235@2600	103	90	560@1600	104	56								
MCEXH0408BCA	BM24	B6.7 220	215@2600	95	83	600@1600	111	60								
MCEXH0408BCA	BM25	B6.7 220	215@2600	95	83	600@1600	111	60								
MCEXH0408BCA	BM28	B6.7 200	195@2600	87	76	520@1600	97	52								



Engine Model Summary Template

Engine Family		1.Engine Code	2.Engine Model	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)		5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)		6.Torque @ RPM (SEA Gross)		7.Fuel Rate: mm/stroke@peak torque		8.Fuel Rate: (lbs/hr)@peak torque		9.Emission Control Device Per SAE J1930	
MCEXH0408BCA	BM1	PX-7 360	360@2600	146	128	800@1800	148	90	DDI, TC, CAC, ECM, EGR,						
MCEXH0408BCA	BM2	PX-7 340	340@2600	138	121	700@1600	134	73	OC, PTOX, SCR-U, AMOX						
MCEXH0408BCA	BM3	PX-7 325	315@2600	127	112	750@1800	143	87							
MCEXH0408BCA	BM4	PX-7 325	315@2600	127	112	750@1800	143	87							
MCEXH0408BCA	BM5	PX-7 300	300@2600	121	106	660@1600	125	67							
MCEXH0408BCA	BM6	PX-7 300	300@2600	121	106	660@1600	125	67							
MCEXH0408BCA	BM7	PX-7300	300@2600	121	106	660@1600	125	67							
MCEXH0408BCA	BM8	PX-7 280	270@2600	109	96	660@1600	125	67							
MCEXH0408BCA	BM9	PX-7 280	270@2600	109	96	660@1600	125	67							
MCEXH0408BCA	BM10	PX-7 280	270@2600	109	96	660@1600	125	67							
MCEXH0408BCA	BM11	PX-7 260	250@2600	109	96	660@1600	122	66							
MCEXH0408BCA	BM12	PX-7 260	250@2600	109	96	660@1600	122	66							
MCEXH0408BCA	BM13	PX-7 260	250@2600	109	96	660@1600	122	66							
MCEXH0408BCA	BM14	PX-7 250	245@2600	107	94	660@1600	122	66							
MCEXH0408BCA	BM15	PX-7 250	245@2600	107	94	660@1600	122	66							
MCEXH0408BCA	BM16	PX-7 250	245@2600	107	94	660@1600	122	66							
MCEXH0408BCA	BM17	PX-7 240	235@2600	103	90	560@1600	104	56							
MCEXH0408BCA	BM18	PX-7 240	235@2600	103	90	560@1600	104	56							
MCEXH0408BCA	BM19	PX-7 240	235@2600	103	90	560@1600	104	56							
MCEXH0408BCA	BM20	PX-7 220	215@2600	95	83	520@1600	97	52							
MCEXH0408BCA	BM21	PX-7 220	215@2600	95	83	600@1600	111	60							
MCEXH0408BCA	BM22	PX-7 220	215@2600	95	83	520@1600	97	52							
MCEXH0408BCA	BM23	PX-7 220	215@2600	95	83	600@1600	111	60							
MCEXH0408BCA	BM24	PX-7 220	215@2600	95	83	600@1600	111	60							
MCEXH0408BCA	BM25	PX-7 220	215@2600	95	83	600@1600	111	60							
MCEXH0408BCA	BM26	PX-7 200	195@2600	87	76	520@1600	97	52							
MCEXH0408BCA	BM27	PX-7 200	195@2600	87	76	520@1600	97	52							
MCEXH0408BCA	Emergency	Vehicle	Ratings												

Engine Model Summary Template

IO #: A-021-0726
Attachment: Page 3 of 3
9/30/2020

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
MCEXH0408BCA	BME29	B6.7 360EV	360@2600	146	128	800@1800	148	90	DDI, TC, CAC, ECM, EGR,
MCEXH0408BCA	BME30	B6.7 340EV	340@2600	138	121	700@1600	134	73	OC, PTOX, SCR-U, AMOX
MCEXH0408BCA	BME3	B6.7 325EV	315@2600	127	112	750@1800	143	87	
MCEXH0408BCA	BME5	B6.7 300EV	300@2600	121	106	660@1600	125	67	
MCEXH0408BCA	BME8	B6.7 280EV	270@2600	109	96	660@1600	125	67	
MCEXH0408BCA	BME11	B6.7 260EV	250@2600	109	96	660@1600	122	66	
MCEXH0408BCA	BME29	PX-7 360EV	360@2600	146	128	800@1800	148	90	
MCEXH0408BCA	BME30	PX-7 340EV	340@2600	138	121	700@1600	134	73	
MCEXH0408BCA	BME3	PX-7 325EV	315@2600	127	112	750@1800	143	87	
MCEXH0408BCA	BME5	PX-7 300EV	300@2600	121	106	660@1600	125	67	
MCEXH0408BCA	BME8	PX-7 280EV	270@2600	109	96	660@1600	125	67	
MCEXH0408BCA	BME11	PX-7 260EV	250@2600	109	96	660@1600	122	66	✓

Pursuant to the authority vested in California Air Resources Board by Health and Safety Code Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-19-095;

IT IS ORDERED AND RESOLVED: The engine and emission control systems produced by the manufacturer are certified as described below for use in on-road motor vehicles with a manufacturer's GVWR over 14,000 pounds. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	ENGINE SIZES (L)	FUEL TYPE ¹	STANDARDS & TEST PROCEDURE	INTENDED SERVICE CLASS ²	ECS & SPECIAL FEATURES ³	DIAGNOSTIC ⁶
2021	MFMXE07.3BW7	7.3	Gasoline	Otto	HDO	TWC, SFI, HO2S, WR-HO2S	OBD(F)
PRIMARY ENGINE'S IDLE EMISSIONS CONTROL ⁵		ADDITIONAL IDLE EMISSIONS CONTROL ⁵					
N/A		N/A					
ENGINE (L)	ENGINE MODELS / CODES (rated power, in hp)						
7.3	Super Duty / MTFEJ0NN Super Duty / MTFEJ0NP Super Duty / MTFEJ0NR Super Duty / MTFEJ0NS E-Series / MTE4J0ND E-Series / MTE4J0NE E-Series / MTE4J0NY Medium Duty / MTBCJ0NL Medium Duty / MTBCJ0NM Medium Duty / MTBCJ0NN Commercial Stripped Chassis / MTY3J0NV Motorhome Stripped Chassis / MTY3J0NW (350 for all codes)						

^{*} =not applicable; **GVWR**=gross vehicle weight rating; **13 CCR xyz**=Title 13, California Code of Regulations, Section xyz; **40 CFR 86.abc**=Title 40, Code of Federal Regulations, Section 86.abc; **L**=liter; **hp**=horsepower; **kw**=kilowatt; **hr**=hour;

¹ **CNG/LNG**=compressed/liquefied natural gas; **LPG**=liquefied petroleum gas; **E85**=85% ethanol fuel; **MF**=multi fuel a.k.a. **BF**=bi fuel; **DF**=dual fuel; **FF**=flexible fuel;

² **L/M/H HDD**=light/medium/heavy heavy-duty diesel; **UB**=urban bus; **HDO**=heavy duty Otto;

³ **ECS**=emission control system; **TWC/OC**=three-way/oxidizing catalyst; **NAC**=NOx adsorption catalyst; **SCR-U / SCR-N**=selective catalytic reduction – urea / -- ammonia; **WU (prefix)**=warm-up catalyst; **DPF**=diesel particulate filter; **PTOX**=periodic trap oxidizer; **HO2S/O2S**=heated/oxygen sensor; **HAFS/AFS**=heated/air-fuel-ratio sensor (a.k.a., universal or linear oxygen sensor); **TBI**=throttle body fuel injection; **SFI/MFI**=sequential/multi port fuel injection; **DGI**=direct gasoline injection; **GCARB**=gaseous carburetor; **IDI/DDI**=indirect/direct diesel injection; **TC/SC**=turbo/super charger; **CAC**=charge air cooler; **EGR / EGR-C**=exhaust gas recirculation / cooled EGR; **PAIR/AIR**=pulsed/secondary air injection; **SPL**=smoke puff limiter; **ECM/PCM**=engine/powertrain control module; **EM**=engine modification; **AMOX**=Ammonia Oxidation Catalyst; **NOXS**=NOx sensor; **2 (prefix)**=parallel; **(2) (suffix)**=in series;

⁵ **ESS**=engine shutdown system (per 13 CCR 1956.8(a)(6)(A)(1); **30g**=30 g/hr NOx (per 13 CCR 1956.8(a)(6)(C); **APS**=internal combustion auxiliary power system; **ALT**=alternative method (per 13 CCR 1956.8(a)(6)(D); **Exempt**=exempted per 13 CCR 1956.8(a)(6)(B) or for CNG/LNG fuel systems; **N/A**=not applicable (e.g., Otto engines and vehicles);

⁶ **EMD**=engine manufacturer diagnostic system (13 CCR 1971); **OBD(F) / (P) / (S)**=full / partial / partial with a fine / on-board diagnostic;);

Following are: 1) the FTP exhaust emission standards, or family emission limit(s) as applicable, under 13 CCR 1956.8; 2) the SET and NTE limits under the applicable California exhaust emission standards and test procedures for heavy-duty diesel engines and vehicles (Test Procedures); and 3) the corresponding certification levels, for this engine family. "Diesel" CO, SET and NTE certification compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieu of testing. (For flexible- and dual-fueled engines, the CERT values in brackets [] are those when tested on conventional test fuel. For multi-fueled engines, the STD and CERT values for default operation permitted in 13 CCR 1956.8 are in parentheses.) ⁴

in g/bhp-hr	NMHC		NOx		NMHC+NOx		CO		PM		HCHO	
	FTP	SET	FTP	SET	FTP	SET	FTP	SET	FTP	SET	FTP	SET
STD	0.14	*	0.20	*	*	*	14.4	*	0.01	*	0.01	*
CERT	0.11	*	0.06	*	*	*	5.9	*	0.002	*	0.001	*
NTE	*		*		*		*		*		*	
⁴ g/bhp-hr=grams per brake horsepower-hour; FTP=Federal Test Procedure; SET=Supplemental emissions testing; NTE=Not-to-Exceed; STD=standard or emission test cap; FEL=family emission limit; CERT=certification level; NMHC/HC=non-methane/hydrocarbon; NOx=oxides of nitrogen; CO=carbon monoxide; PM=particulate matter; HCHO=formaldehyde;												

BE IT FURTHER RESOLVED: The manufacturer has demonstrated compliance with the Greenhouse Gas Emission Standards as specified in Title 13 CCR 1956.8 and the incorporated "California Exhaust Emission Standards and Test Procedures for 2004 and Subsequent Model Heavy Duty Otto Cycle Engines and Vehicles" (HDOE Test Procedures) adopted December 27, 2000, as last amended December 19, 2018.

PRIMARY INTENDED SERVICE CLASS: Vocational

In g/bhp-hr	CO ₂		CH ₄	N ₂ O
	FTP	SET		
STD	627	*	0.10	0.10
FCL	627	*	*	*
FEL	646	*	0.10	0.10
CERT	619	*	0.05	0.03

⁴ g/bhp-hr=grams per brake horsepower-hour; FTP=Federal Test Procedure; SET=Supplemental emissions testing; STD = standard or emission test cap; FEL=family emission limit; FCL=family certification level; CERT=certification level; CO₂=carbon dioxide; CH₄=methane; N₂O=nitrous oxide; VOCATIONAL=vocational engine; TRACTOR=tractor engine.

BE IT FURTHER RESOLVED: Certification to the FEL(s) / FCL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(s) / FCL(s) is the emission level declared by the manufacturer and serves in lieu of an emission standard for certification purposes in any averaging, banking, or trading (ABT) programs. It will be used for determining compliance of any engine in this family and compliance with such ABT programs.

BE IT FURTHER RESOLVED: For the listed engine models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels), 13 CCR 1971.1 (on-board diagnostic, full or partial compliance) and 13 CCR 2035 et seq. (emission control warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

This Executive Order hereby supersedes Executive Order A-010-2286 dated October 28, 2020.

Executed on this 30th day of December 2020.



Allen Lyons, Chief
 Emissions Certification and Compliance Division

Pursuant to the authority vested in California Air Resources Board by Health and Safety Code Divisions 25.5 and 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-19-095;

IT IS ORDERED AND RESOLVED: The following on-road motor vehicles with a manufacturer's GVWR over 10,000 pounds are certified as described below. Production vehicles shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	VEHICLE FAMILY NAME	VEHICLE TYPE	VEHICLE SERVICE CLASS	VEHICLE MAKE & MODELS
2021	MBBB2VOCVEMD	Vocational / School Bus	Medium HDV	Blue Bird All American Blue Bird Vision (Heavy Duty All Electric Vehicle)

EMISSION CONTROL SYSTEMS				
LRRR				
<small>*=not applicable; VSL = Vehicle speed limiter; VSLS = "Soft-top" vehicle speed limiter; VSLE = Expiring vehicle speed limiter; VSLE = Vehicle speed limiter with both "soft-top" and expiration; IRTS = Engine shutoff after 5 minutes or less of idling; IRTE = Expiring engine shutoff; LRRR = Low rolling resistance tires (all); LRRD = Low rolling resistance tires (drive); LRRS = Low rolling resistance tires (steer); ATS = Aerodynamic side skirt and/or fuel tank fairing; ARF = Aerodynamic roof fairing; ARFR = Adjustable height aerodynamic roof fairing; TGR = Gap reducing tractor fairing (tractor to trailer gap); ADVH = Vehicle includes advanced hybrid technology components; ADVQ = Vehicle includes other advanced-technology components (i.e., non-hybrid system); INV = Vehicle includes innovative (off-cycle) technology components; ATI = Automatic tire inflation system; TPMS = Tire pressure monitoring system; WR = Weight Reduction</small>				

Shown below are: 1) The Greenhouse Gas Exhaust Emission Standard (STD) in g/ton-mile and/or the Family Emission Limit(s) (FEL) of the listed vehicle family in g/ton-mile as applicable under 17 CCR 95663; and 2) the Tire Coefficient of Rolling Resistance (CRR) STD and the corresponding CRR value of the listed vehicle family as provided under 17 CCR 95663(d):

	STD	Highest Projected FEL	Lowest Projected FEL
CO ₂ (g/ton-mile)	291	0	0

	STD	Highest Tire CRR Value
Tire CRR (kg/metric ton)	*	*

BE IT FURTHER RESOLVED: The listed vehicle family is certified to the Optional Phase 2 Custom Chassis CO₂ Emissions Standards as specified in 17 CCR 95663(a)(1)4 and Section 1037.105(h) of the incorporated "California Greenhouse Gas Exhaust Emission Standards and Test Procedures for 2014 and Subsequent Model Heavy-Duty Vehicles" (HDV Test Procedures) adopted October 21, 2014, as last amended June 27, 2019.

BE IT FURTHER RESOLVED: The manufacturer has demonstrated certification compliance with the Greenhouse Gas Emission Standards as specified in Title 17 CCR 95663 and the incorporated "California Greenhouse Gas Exhaust Emission Standards and Test Procedures for 2014 and Subsequent Model Heavy-Duty Vehicles" (HDV Test Procedures) adopted October 21, 2014 as last amended June 27, 2019.

BE IT FURTHER RESOLVED: No approved air conditioning platform(s) are listed in the attachment as the manufacturer has not demonstrated certification compliance with the AC Leakage Standard specified in 17 CCR 95663(a)(1)(B)7 and Section 1037.115 of the incorporated "California Greenhouse Gas Exhaust Emission Standards and Test Procedures for 2014 and Subsequent Model Heavy-Duty Vehicles" (HDV Test Procedures) adopted October 21, 2014, as last amended June 27, 2019.

BE IT FURTHER RESOLVED: For the listed vehicle models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels), and 13 CCR 2035 et seq. (emission control warranty).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

Executed on this 6th day of January 2021



Allen Lyons, Chief
Emissions Certification and Compliance Division

A/C PLATFORM SUMMARY TABLE

Vehicle family	Date	EO
MBBB2VOCVEMD	12/21/20	A-050-0040

A/C Platform ID	Refrigerant Type	Refrigerant Capacity (g)	STD (HFC (g/year))	Leak Rate (HFC (g/year))
*				

* No Air Conditioning platforms were reviewed and approved for this vehicle family by CARB. Installing a non CARB approved Air Conditioning system on the vehicle would cause the vehicle to be in a non-certified configuration.