

2023 Model Year **Ford Warranty Guide**

(Except F-600/F-650/F-750/F-53/F-59
Over 19,500 lbs. GVWR and Electric Vehicles)



owner.ford.com

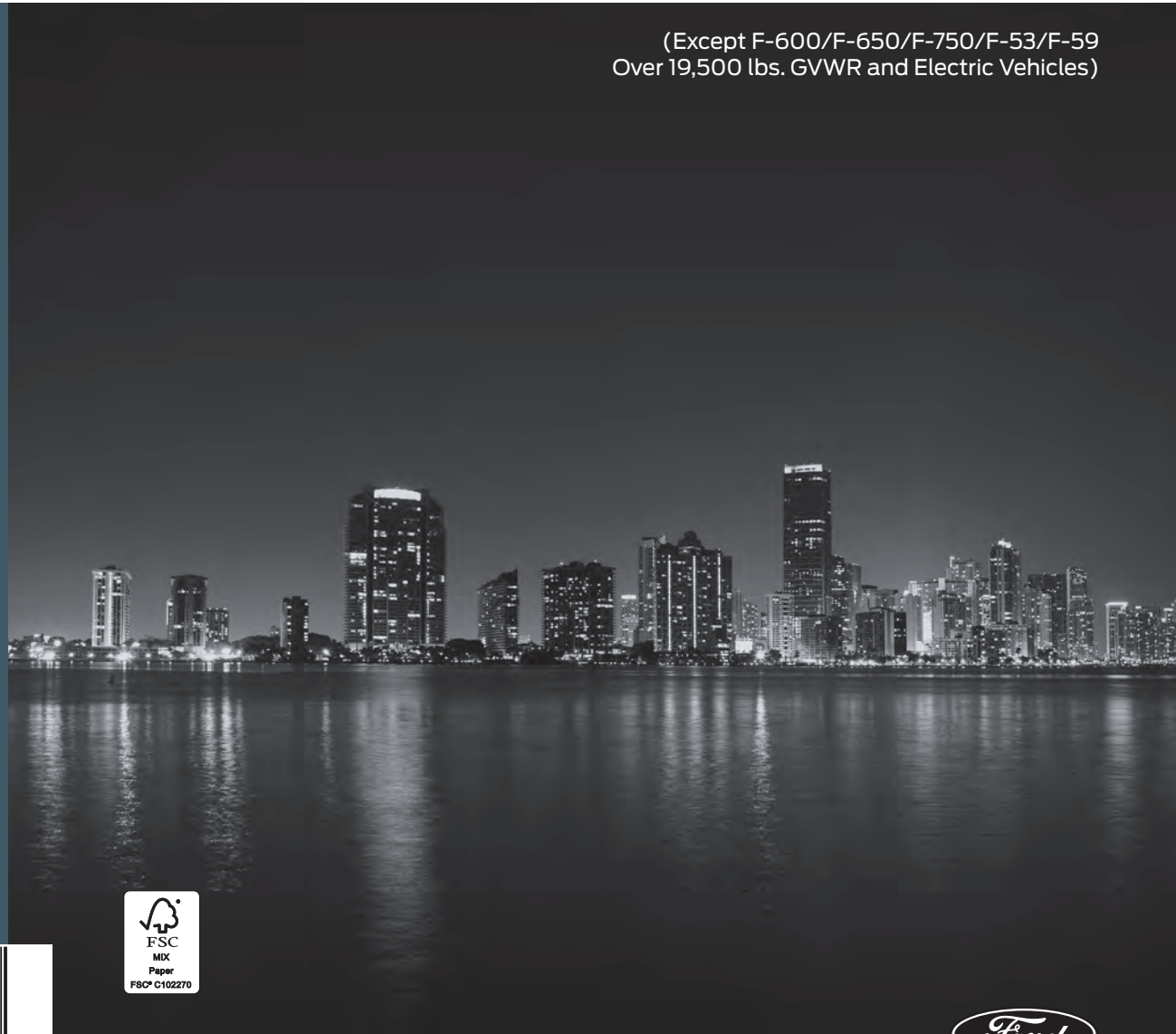


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This booklet explains the New Vehicle Limited Warranty coverages that apply to your Ford vehicle. Your satisfaction is our goal. If you are not satisfied with Ford's performance under the warranty, Ford participates in an informal warranty dispute settlement mechanism through the Better Business Bureau, which you can contact as follows: BBB AUTOLINE 1676 International Drive, Suite 550, McLean, VA 22102.

You may use the BBB Autoline without charge. An application is available from BBB (800-955-5100) or Ford (800-392-3673).

You must resort to the BBB Autoline mechanism before exercising rights or seeking remedies created by the Magnuson-Moss Warranty Act. If you choose to seek redress by pursuing rights and remedies not created by the Magnuson-Moss Warranty Act, resort to the BBB Autoline Mechanism is not required by any provision of the Magnuson-Moss Warranty Act. Your state may require that you first resort to the BBB Autoline before exercising rights or seeking remedies created by your state's laws.

Further information on the BBB Autoline can be found on page 47.

ALL IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED, TO THE EXTENT ALLOWED BY LAW, TO THE DURATION OF THE NEW VEHICLE LIMITED WARRANTY BUMPER TO BUMPER COVERAGE. Further information on implied warranties can be found on page 5.

ANY PUNITIVE, EXEMPLARY, INCIDENTAL, CONSEQUENTIAL OR ANY OTHER DAMAGES CAUSED BY DELAY, OR LOSS OF USE MAY NOT BE RECOVERED AND ARE DISCLAIMED AND EXCLUDED UNLESS APPLICABLE LAW PROHIBITS THEIR DISCLAIMER OR EXCLUSION. Further information on the disclaimers and exclusions can be found on page 5.



Your satisfaction is our #1 goal. If you have any questions or concerns, or are unsatisfied with the service you are receiving, follow these steps:

1. Contact your Sales Representative or Service Advisor at your selling/servicing dealership.
2. If your inquiry or concern remains unresolved, contact the Sales Manager, Service Manager or Customer Relations Manager.
3. If you require assistance or clarification on Ford Motor Company policies or procedures, please contact the Ford Customer Relationship Center.

In the United States:	In Canada:
Ford Motor Company Customer Relationship Center P.O. Box 6248 Dearborn, MI 48121 1-800-392-3673 (FORD) For the hearing- or speech-impaired: Please contact the Telecommunication Relay Service by dialing 711 www.owner.ford.com	Customer Relationship Centre Ford Motor Company of Canada, Limited P.O. Box 2000 Oakville, Ontario L6J 5E4 1-800-565-3673 (FORD) For the hearing- or speech-impaired: Please contact the Telecommunication Relay Service by dialing 711 M-F 8:30 AM - 8:00 PM (ET) www.ford.ca
In Asia-Pacific Region, Sub-Saharan Africa, U.S. Virgin Islands, Central America, the Caribbean, and Israel:	In Puerto Rico:
Ford Motor Company Ford Export Operations Attention: Customer Relations 1555 Fairlane Drive Fairlane Business Park #3 Allen Park, MI 48101 Telephone: (313) 594-4857 For customers in Guam, the Commonwealth of the Northern Mariana Islands (CNMI), America Samoa, and the U.S. Virgin Islands, please feel free to call our Toll-Free Number: (800) 841-FORD (3673) Fax: (313) 390-0804 E-mail: expcac@ford.com	Ford International Business Development, Inc. P.O. Box 11957 Caparra Heights Station San Juan, PR 00922-1957 Telephone: (800) 841-FORD (3673) Fax: (313) 390-0804 E-mail: prcac@ford.com www.ford.com.pr
In Middle East:	
Customer Relationship Center P.O. Box 21470 Dubai, United Arab Emirates Telephone: 971-4-3326084 Toll-free Number for the Kingdom of Saudi Arabia: 800 8971409 Local Telephone Number for Kuwait: 24810575 Fax: 971-4-3327299 E-mail: menacac@ford.com www.me.ford.com	

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1. Introduction

Ford Motor Company and your selling dealer thank you for selecting one of our quality products. Our commitment to you and your vehicle begins with quality protection and service.

When you need warranty repairs, your selling dealer would like you to return to it for that service, but you may also take your vehicle to another Ford Motor Company dealership authorized for warranty repairs. Certain warranty repairs require special training though, so not all dealers are authorized to perform all warranty repairs. That means that, depending on the warranty repair needed, the vehicle may need to be taken to another dealer. If a particular dealership cannot assist you, then contact the Customer Relationship Center at 1-800-392-3673.

This booklet explains in detail the warranty coverages that apply to your 2023-model car or light truck. If you bought a previously owned 2023-model vehicle, you are eligible for any remaining warranty coverages.

Ford Motor Company provides the **Emissions Defect Warranties** and **Emissions Performance Warranties** which cover your emissions control systems, and **Noise Emissions Warranty** which applies only to medium/heavy duty trucks over 10,000 pounds Gross Vehicle Weight Rating (pages 22-45).

2. Important information you should know

IF YOU NEED CUSTOMER ASSISTANCE

Your Ford Motor Company dealer is available to assist you with all your automotive needs. Please follow the procedures outlined on the front page of this booklet.

In addition, if you are an eligible U.S. owner, you may use - at no cost - the services of the BBB AUTO LINE program. For details, see Better Business Bureau (BBB) AUTO LINE program, page 47 or call 1-800-955-5100.

KNOW WHEN YOUR WARRANTY BEGINS

Your **Warranty Start Date** is the day you take delivery of your new vehicle or the day it is first put into service (for example, as a dealer demonstrator), whichever occurs first.

CHECK YOUR VEHICLE

We try to check vehicles carefully at the assembly plant and the dealership, and we usually correct any damage to paint, sheet metal, upholstery, or other appearance items. But occasionally something may slip past us, and a customer may find that a vehicle was damaged before he or she took delivery. If you see any damage when you receive your vehicle, notify your dealership within one week.

MAINTAIN YOUR VEHICLE PROPERLY

Your glove compartment contains an **Owner's Manual** which indicates the scheduled maintenance required for your vehicle. Proper maintenance guards against major repair expenses resulting from neglect or inadequate maintenance, may help increase the value you receive when you sell or trade your vehicle, and is important in allowing your vehicle to comply with applicable emissions standards.

It is your responsibility to make sure that all of the scheduled maintenance is performed and that the materials used meet Ford engineering specifications. Failure to perform scheduled maintenance as specified in the Owner's Manual will invalidate warranty coverage on parts affected by the lack of maintenance. Make sure that receipts for completed maintenance work are retained with the vehicle.

Your Ford or Lincoln dealership, or Ford or Lincoln Quality Care Service Center, has factory-trained technicians who can perform the required maintenance using genuine Ford parts. The dealership looks forward to meeting your every service need to maximize your satisfaction with your vehicle.

WHO PAYS FOR WARRANTY REPAIRS?

You will not be charged for repairs covered by any applicable warranty during the stated coverage periods, unless specifically stated elsewhere in this guide.

Some states have mandated alternate time coverage periods for parts of your vehicle (e.g. seatbelts).

Some states and/or local governments may require a tax on a portion of warranty repairs. Where applicable law allows, the tax must be paid by you, the owner of the vehicle.

During the Bumper to Bumper Warranty period, dealers may receive instructions to provide no-cost, service-type improvements - not originally included in your Owner's Manual - intended to increase your overall satisfaction with your vehicle.

Sometimes Ford may offer a special adjustment program to pay all or part of the cost of certain repairs beyond the terms of the applicable warranty. Check with your dealer or call 1-800-392-3673 to learn whether any adjustment program is applicable to your vehicle. Please have your vehicle identification number available.

DO WARRANTIES APPLY IN OTHER COUNTRIES?

The **New Vehicle Limited Warranty** and the **Emissions Warranties** described in this booklet apply to your vehicle if:

- it was originally purchased through the Ford Export Operations Military Sales Program; or
- it was originally sold or leased by Ford Motor Company or one of its dealers in the United States or U.S. Territories, and it was originally registered/licensed and operated in the United States, U.S. Territories, or Canada.

If you meet either of these two requirements, you do have warranty coverage when you travel with this vehicle outside the United States, U.S. Territories, or Canada. In some cases, however, you may have to pay the servicing Ford dealer in a foreign country or U.S. Territory for a repair that is covered under the U.S. warranty. If this happens, be sure to save the paid repair order or invoice. You should present this document to a U.S. Ford Motor Company dealer for warranty refund consideration. Refer to www.Ford.com for additional customer assistance reference information.

3. The New Vehicle Limited Warranty for your 2023-model vehicle

LIMITATIONS AND DISCLAIMERS

All of the warranties in this booklet are subject to the following limitations and disclaimers:

The warranties in this booklet are the only express warranties applicable to your vehicle. Ford does not assume or authorize anyone to assume for it any other obligation or liability in connection with your vehicle or these warranties. No person, including Ford employees or dealers, may modify or waive any part of these warranties.

Ford and its dealers reserve the right to make changes in or additions to vehicles built or sold by them at any time without incurring any obligation to make the same or similar changes or additions to vehicles previously built or sold.

Ford and its dealers also reserve the right to provide post-warranty repairs, conduct recalls, or extend the warranty coverage period for certain vehicles or vehicle populations, at the sole discretion of Ford. The fact that Ford has provided such measures to a particular vehicle or vehicle population in no way obligates Ford to provide similar accommodations to other owners of similar vehicles.

As a condition of these warranties, you are responsible for properly using, maintaining, and caring for your vehicle as outlined in your Owner's Manual. Ford recommends that you maintain copies of all maintenance records and receipts for review by Ford.

Ford and your dealer are not responsible for any time or income that you lose, any inconvenience you might be caused, the loss of your transportation or use of your vehicle, the cost of rental vehicles, fuel, telephone, travel, meals, or lodging, the loss of personal or commercial property, the loss of revenue, or for any other incidental or consequential damages you may have.

Punitive, exemplary, or multiple damages may not be recovered unless applicable law prohibits their disclaimer.

You may not bring any warranty-related claim as a class representative, a private attorney general, a member of a class of claimants or in any other representative capacity.

Ford shall not be liable for any damages caused by delay in delivery or furnishing of any products and/or services.

You may have some implied warranties. For example, you may have an implied warranty of merchantability (that the car or light truck is reasonably fit for the general purpose for which it was sold) or an implied warranty of fitness for a particular purpose (that the car or light truck is suitable for your special purposes), if a special purpose was specifically disclosed to Ford itself not merely to the dealer before your purchase, and Ford itself not just the dealer told you the vehicle would be suitable for that purpose.

These implied warranties are limited, to the extent allowed by law, to the time period covered by the written warranties, or to the applicable time period provided by state law, whichever period is shorter.

**DISCLAIMER OF IMPLIED WARRANTIES FOR BUSINESS
AND RACING USE**

****** Ford disclaims all implied warranties if the vehicle is used for business or commercial purposes. ******

****** Ford disclaims the implied warranty of fitness for a particular purpose if your vehicle is used for racing, even if the vehicle is equipped for racing. ******

The warranties contained in this booklet and all questions regarding their enforceability and interpretation are governed by the law of the state in which you purchased your Ford vehicle. Some states do not allow Ford to limit how long an implied warranty lasts or to exclude or limit incidental or consequential damages, so the limitation and exclusions described above may not apply to you.

**APPLICABILITY OF LIMITATIONS OF IMPLIED WARRANTY TO
NEW VEHICLE LIMITED WARRANTY AND EMISSIONS
WARRANTY**

****** This information about the limitation of implied warranties and the exclusion of incidental and consequential damages under the NEW VEHICLE LIMITED WARRANTY also applies to the EMISSIONS WARRANTIES described on pages 22-45. ******

Ford participates in the BBB AUTO LINE warranty dispute resolution program. You may contact BBB AUTO LINE by calling 800-955-5100.

You are required to submit your warranty dispute to the BBB AUTO LINE before exercising rights or seeking remedies under the Federal Magnuson-Moss Warranty Act, 15 U.S.C. § 2301 et seq. To the extent permitted by the applicable state "Lemon Law", you are also required to submit your warranty dispute to the BBB AUTO LINE before exercising any rights or seeking remedies under the "Lemon Law".

If you choose to seek remedies that are not created by the Magnuson-Moss Warranty Act or the applicable state "Lemon Law," you are not required to first use BBB AUTO LINE to resolve your dispute – although the program is still available to you.

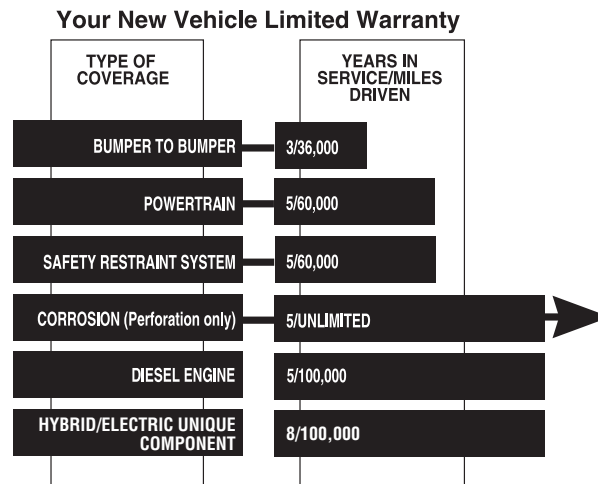
For more information regarding the BBB AUTO LINE program, see page 47 of this booklet.

QUICK REFERENCE: WARRANTY COVERAGE

This chart gives a general summary of your warranty coverage provided by Ford Motor Company under the **New Vehicle Limited Warranty**. Please refer to the description of warranty coverage for more specific information.

For each type of coverage, the chart shows two measures:

- years in service
- miles driven



The measure that occurs first determines how long your coverage lasts. For example: Your Bumper to Bumper Coverage lasts for three years - unless you drive more than 36,000 miles before three years elapse. In that case, your coverage ends at 36,000 miles.

For more details on coverage, see:

- **What is Covered?** (pages 9-14)
- **What is Not Covered?** (pages 14-19)

WHAT IS COVERED?

Your NEW VEHICLE LIMITED WARRANTY gives you specific legal rights. You may have other rights that vary from state to state. Under your New Vehicle Limited Warranty if:

- your Ford vehicle is properly operated and maintained, and
- was taken to a Ford dealership for a warranted repair during the warranty period,

then authorized Ford Motor Company dealers will, without charge, repair, replace, or adjust all parts on your vehicle that malfunction or fail during normal use during the applicable coverage period due to a manufacturing defect in factory-supplied materials or factory workmanship.

This warranty does not mean that each Ford vehicle is defect free. Defects may be unintentionally introduced into vehicles during the design and manufacturing processes and such defects could result in the need for repairs. Ford provides the New Vehicle Limited Warranty only to remedy manufacturing defects that result in vehicle part malfunction or failure during the warranty period.

The remedy under this written warranty, and any implied warranty, is limited to repair, replacement, or adjustment of defective parts. This exclusive remedy shall not be deemed to have failed its essential purpose so long as Ford, through its authorized dealers, is willing and able to repair, replace, or adjust defective parts in the prescribed manner. Ford's liability, if any, shall in no event exceed the cost of correcting manufacturing defects as herein provided and upon expiration of this warranty, any such liability shall terminate.

Conditions that are not covered by the New Vehicle Limited Warranty are described on pages 14-19. When making warranty repairs on your vehicle, the dealer will use Ford or Motorcraft parts or remanufactured or other parts that are authorized by Ford, at the discretion of Ford or the Ford dealership.

Nothing in this warranty should be construed as requiring defective parts to be replaced with parts of a different type or design than the original part, so long as the vehicle functions properly with the replacement part. Moreover, Ford and its authorized dealers are entitled to a reasonable time and a reasonable number of attempts within which to diagnose and repair any defect covered by this warranty.

In certain instances, Ford may authorize repairs at other than Ford dealer facilities.

Two separate warranties apply to tires on your new vehicle. The New Vehicle Limited Warranty covers tire defects in factory supplied material or workmanship for 100% of labor costs and on a pro rata adjustment basis for parts. (See the reimbursement schedule below).

For vehicles within the New Vehicle Limited Warranty time in service and mileage coverage period, defective tires will be replaced on a pro rata adjustment basis according to the following mileage-based Reimbursement Schedule:

MILES DRIVEN	PERCENT OF PARTS COVERED BY FORD
1-12,000	100%
12,001-24,000	60%
24,001-36,000	30%

The tire manufacturer also provides you with a separate tire warranty that may extend beyond the New Vehicle Limited Warranty coverage. You will find the manufacturer's tire warranty with the owner literature supplied with your vehicle. You have the option of having a tire warranty repair performed by the tire manufacturer's authorized service center. If you go to a tire service center for a repair covered by the New Vehicle Limited Warranty, you may be charged a prorated amount for wear or other charges. If so, you should present your paid invoice detailing the nature of the charges to any Ford Motor Company dealership for refund consideration. When making warranty repairs on your vehicle, the dealer will use Ford or Motorcraft parts or remanufactured or other parts that are authorized by Ford. In certain instances, Ford may authorize repairs at other

than Ford dealer facilities. Tire replacements under warranty will be made with the same brand and model as originally equipped with the vehicle unless the same brand and model is no longer available, in which case a tire of the same brand, size, load, speed and tread type will be used. In some circumstances, Ford may authorize another brand and/or model to substitute for the original brand and model, even if still available.

Normal tire wear or damage is not reimbursable. See page 18 for details of what is not covered.

Extended warranty coverage periods are available for certain vehicle parts and conditions. Specifically,

(1) Your vehicle's Powertrain components are covered for five years or 60,000 miles, whichever occurs first. The extended coverage applies to the **Engine:** all internal lubricated parts, cylinder block, cylinder heads, electrical fuel pump, powertrain control module, engine mounts, flywheel, injection pump, manifold (exhaust and intake), manifold bolts, oil pan, oil pump, seals and gaskets, engine thermostat, engine thermostat housing, timing chain cover, timing chain (gears or belt), turbocharger/supercharger unit, valve covers, water pump; **Transmission:** all internal parts, clutch cover, seals and gaskets, torque converter, transfer case (including all internal parts), transmission case, transmission mounts (front and rear); **Front-Wheel Drive:** axle shafts, support bracket, front bearings, seals and gaskets, universal and constant velocity joints; **Rear-Wheel Drive:** axle shafts, rear bearings, center support bearing, drive axle housing (including all internal parts), drive shaft, retainers, supports, seals and gaskets, universal and constant velocity joints. **Four-Wheel/All-Wheel Drive:** axle shafts, support bracket, bearings (front and rear), center support bearing, drive shafts, final drive housing (including all internal parts), hubs-automatic front locking (four-wheel drive), locking rings (four-wheel drive), seals and gaskets, universal and constant velocity joints.

(2) Your vehicle's safety belts and air bag Supplemental Restraint System (SRS) are covered for an extended Safety Restraint Coverage Period, which lasts for five years or 60,000 miles, whichever occurs first.

(3) Your vehicle's body sheet metal panels are covered for an extended Corrosion Coverage Period, which lasts for five years, regardless of miles driven. The extended warranty coverage only applies if a body sheet metal panel becomes perforated due to corrosion during normal use due to a manufacturing defect in factory-supplied materials or factory workmanship. If aluminum body panels have corrosion or rust damage, and the damage is not the result of abnormal usage, vehicle accident, customer actions and/or extreme environmental conditions, the corrosion or rust damage repairs are covered for 5 years, unlimited miles. For damage caused by airborne material (environmental fallout) where there is no factory-related defect involved and therefore no warranty – our policy is to provide free repair of paint damage due to the airborne material for 12 months or 12,000 miles, whichever occurs first.

(4) Your vehicle's direct injection diesel engine and certain engine components are covered during the Diesel Engine Coverage Period, which lasts for five years or 100,000 miles, whichever occurs first. The following parts are covered during this extended coverage period: the engine, cylinder block, heads and all internal parts, intake and exhaust manifolds, timing gear, harmonic balancer, valve covers, oil pan and pump, water pump, fuel system (excluding fuel lines, fuel tank and frame mounted fuel conditioning module sometimes referred to as the frame mounted pump/filter/water separator or frame mounted fuel filter/water separator), high pressure lines, gaskets and seals, glow plugs, turbocharger, two-stage turbocharger assembly, turbocharger actuator, powertrain control module, high pressure fuel injection pump assembly, injectors, injection pressure sensor, fuel rail pressure sensor, exhaust back pressure regulator and sensor, exhaust pressure sensor, manifold pressure sensor, intake air temperature sensor, crankshaft position sensor, camshaft position sensor, accelerator switch.

(5) The electrical drivetrain system of your vehicle is covered by the Hybrid & Electric Vehicle Unique Component coverage for eight years or 100,000 miles, whichever comes first. The components in the electrical drivetrain system of your vehicle will vary, depending on whether your vehicle is a hybrid, plug-in hybrid, but you can rest assured knowing that your vehicle's electrical drivetrain system is covered by this comprehensive warranty. Depending on your vehicle, electrical drivetrain system components covered by this warranty may include, and are not limited to: high-voltage battery, high-voltage battery connector, battery energy control module (BECM), on-board charger, inverter system controller (ISC), DC/DC converter, hybrid continuously variable transmission or electric driveline motor and transmission range sensor. If an electrical drivetrain system component requires replacement under warranty, it may be replaced with a new, factory remanufactured, or factory refurbished component, at Ford's discretion. Refurbished battery components selected for your vehicle will align with your vehicle's age and mileage, and meet Ford's stringent requirements and standards. (see "Note: High-Voltage Battery Gradual Capacity Loss" below).

Note: High Voltage Battery Gradual Capacity Loss

The high voltage battery will experience gradual capacity loss with time and use, similar to all batteries, which is considered normal wear and tear. Loss of battery capacity due to or resulting from gradual capacity loss is NOT covered under the New Vehicle Limited Warranty. See your Owner's Manual for important tips on how to maximize the life and capacity of the high voltage battery.

NOTE: Some components may also be covered by the Emissions Warranties. For more information, see pages 22-45.

If you own or lease a 2023-model Next Generation Police Interceptor Vehicle (NGPI), refer to the Warranty Addendum Card that was given to you when you took delivery of your vehicle for further explanation of Amendments to the New Vehicle Limited Warranty. The Warranty Addendum applies only the NGPI vehicles delivered in the State of Florida and New York.

(6) Certain Commercial customers with a Valid Fleet Identification Number (FIN Code) are eligible for a five year / 100,00 mile limited powertrain warranty extension on the following vehicles: F-150 (Excluding Raptor), Super Duty (F-250 through F600) pickup, chassis cabs (F53/F59), Transit, Transit Connect and E-Series. Vehicle must be reported as a sales type "fleet" at original time of sale. To become a U.S. Ford Fleet Account, for vehicles which are owned and operated in the United States, you must register for a U.S. Fleet Identification Number (FIN Code). You will also be asked to provide proof of eligibility documentation for the vehicles in your fleet. To see if you qualify, please see the eligibility restrictions at www.fleet.ford.com/get-started.

This warranty extension will stay with the vehicle even if it is subsequently sold to a non-fleet customer before the expiration. This extension applies to both gas and diesel powertrains.

Ford Power-Up software updates

During the warranty coverage period, Ford Motor Company warrants that:

- you will not be charged for diagnosis, repair, replacement, or adjustment of components that are damaged or inoperable due to a defect caused by a Ford Power-Up software update

WHAT IS NOT COVERED UNDER THE NEW VEHICLE LIMITED WARRANTY?

Damage Caused By:

- accidents, collision or objects striking the vehicle (including driving through a car wash)
- theft, vandalism, or riot
- fire or explosion
- using contaminated or improper fuel/fluids
- customer-applied chemicals or accidental spills
- driving through water deep enough to cause water to be ingested into any component. i.e. powertrain components
- misuse of the vehicle, such a driving over curbs, overloading, racing or using the vehicle as a permanent stationary power source

(Plug-In Vehicles only) - The New Vehicle Limited Warranty does not cover: damage to the 120V convenience cord caused by misuse of the cord. Always use the convenience cord in a manner that conforms to the directions found in the Owner's Manual.

Damage Caused by Alteration or Modification

The New Vehicle Limited Warranty does not cover any damage caused by:

- alterations or modifications of the vehicle, including the body, chassis, electronics or their components, after the vehicle leaves the control of Ford Motor Company
- tampering with the vehicle, tampering with the emissions systems or with the other parts that affect these systems (for example, but not limited to exhaust and intake systems)
- the installation or use of a non-Ford Motor Company part or software (other than a certified emissions part or software) or any part or software (Ford or non-Ford) designed for off-road use only installed after the vehicle leaves the control of Ford Motor Company if the installed part fails or causes a Ford part to fail. Examples include, but are not limited to lift kits, oversized tires, roll bars, cellular phones, alarm systems, automatic starting systems and performance-enhancing powertrain components or software and performance “chips”. Your vehicle may allow, enable or facilitate the use of certain non-Ford Motor Company software. Ford is not responsible for the functionality of such software. Ford may disallow, discontinue or modify your ability to use such software at any time without prior notification or incurring any warranty or other obligation. Non-Ford Motor Company software may be governed by End User License Agreement or warranty provided by the software provider. For Ford Motor Company software see End User License Agreement found in the Owner Manual.

Damage Caused by Use and/or the Environment

The New Vehicle Limited Warranty does not cover surface rust, deterioration and damage of paint, trim, upholstery, and other appearance items that result from use and/or exposure to the elements. You, as the owner, are responsible for these items.

Some examples are:

- dings, dents
- cuts, burns, punctures or tears
- road salt
- tree sap, bird and bee droppings
- windstorm, lightening, hail
- earthquake
- freezing, water or flood
- stone chips, scratches (some examples are on paint and glass)
- windshield stress cracks. However, limited coverage on windshield stress cracks will be provided for the first 12 months or 12,000 miles (whichever occurs first), even though caused by use and/or exposure to the elements.

Maintenance/Wear

The New Vehicle Limited Warranty does not cover: (1) parts and labor needed to maintain the vehicle; and (2) the replacement of parts due to normal wear and tear. You, as the owner, are responsible for these items. See your Owner's Manual. Some examples of maintenance and normal wear are:

- oil changes
- oils, lubricants, other fluids
- oil/air filters
- tire rotation/inflation
- cleaning/polishing
- clutch linings
- wiper blades*
- wheel alignments and tire balancing*
- brake pad/lining*

* Ford will replace or adjust certain maintenance items when necessary, free of charge during a limited period:

- Wiper blade replacements will be provided during the first six months in service, regardless of miles driven.

- Wheel alignments and tire balancing will be provided during the first 12 months or 12,000 miles in service, whichever occurs first.
- Brake pad/lining replacements will be provided during the first 12 months or 18,000 miles in service, whichever occurs first.

SYNC Hands-Free Communications and Entertainment System

If your vehicle is equipped with SYNC, the New Vehicle Limited Warranty does not cover repairs under certain conditions, such as failure to provide proper installation environment. The New Vehicle Limited Warranty does not cover repairs for certain damage or loss, such as:

- Loss of personal recording media, software or data
- Loss, change, or discontinuation of functionality because of:
 - system updates to Ford Motor Company software or lack of compatibility with non-Ford Motor Company electronic devices
 - non-Ford Motor Company software, or
 - obsolescence of vehicle software or hardware
 - lack of network coverage or availability
- Damage caused by:
 - abnormal use such as insertion of foreign objects, fluid spillage
 - unauthorized modification to alter functionality or capability
 - computer or internet viruses, bugs, or malware, such as worms, Trojan Horses, cancelbots
 - installation of unauthorized software, peripherals and attachments
 - unauthorized, unapproved and/or incompatible repairs, upgrades and modification
 - the defective function or obsolescence of your cellular phone or digital media device (for example, inadequate signal reception by the external antenna, viruses or other software problems)

Tire Wear or Damage

The New Vehicle Limited Warranty does not cover normal wear or worn out tires. Tires will not be replaced (unless required by a warranty repair) for wear or damage including:

- tire damage from road hazard such as cuts, snags, bruises, bulges, puncture, and impact breaks
- tire damage due to under or over inflation, tire chain use, racing, spinning (as when stuck in snow or mud), improper mounting or dismounting, or tire repair

Other Items or Conditions Not Covered

The New Vehicle Limited Warranty does not cover:

- vehicles that have had the odometer disconnected, altered, or inoperative for an extended period of time with the result that the actual mileage cannot be determined
- vehicles that have ever been labeled or branded as dismantled, fire, flood, junk, rebuilt, reconstructed, or salvaged; this will void the New Vehicle Limited Warranty
- vehicles that have been determined to be a total loss by an insurance company; this will void the New Vehicle Limited Warranty
- converted ambulances that are not equipped with the Ford Ambulance Prep Package, see important information about ambulance conversions (page 50)
- aftermarket parts or components, sometimes installed by Ford Motor Company or an authorized Ford dealership, may not be covered by the New Vehicle Limited Warranty. Any damage caused to Ford components due to the failure of aftermarket parts (other than a certified emissions part) is not covered.
- high-voltage battery replacement due to improper vehicle storage. Refer to the Owner's Manual for the proper ways your vehicle's battery must be maintained in the event the vehicle is not driven or is stored for an extended period of time.

- The Lithium-ion battery (EV battery) will experience gradual capacity loss with time and use (similar to all lithium-ion batteries), which is considered normal wear and tear. Loss of battery capacity due to or resulting from gradual capacity loss is NOT covered under the New Vehicle Limited Warranty. See your Owner's Manual for important tips on how to maximize the life and capacity of the Lithium-ion battery.
- if the component that caused the failure is beyond coverage and damages a component with remaining coverage, the entire repair is NOT reimbursable.

4. In addition ...

ROADSIDE SERVICE ASSISTANCE (UNITED STATES, PUERTO RICO, AND U.S. VIRGIN ISLANDS)

Your vehicle is covered by the complimentary Ford Roadside Assistance Program (unless you are driving a daily rental unit). Under this program, Ford will cover:

- Towing to the nearest Ford Motor Company dealership, or towing to your selling dealership if within 35 miles of the disablement
- Flat tire change (vehicle must have useable spare)
- Fuel delivery (limited to two occurrences in a 12-month period up to 2 gal. gas, 5 gal. diesel)
- 12V Battery jump starts
- Lock-out assistance (replacement key cost is customer responsibility)
- Winch out services: includes pulling a vehicle within 100 feet of a paved or county maintained road. No recoveries.

The Roadside Assistance Program is separate from the New Vehicle Limited Warranty. It begins at the warranty start date and lasts for five years or 60,000 miles (whichever occurs first). If you need towing beyond the five years or 60,000 miles (whichever occurs first) period, Ford can arrange roadside assistance and charge your credit card. If the reason for the vehicle disablement is later found to be covered by a Ford or Lincoln Protect extended service plan, you may seek reimbursement for a tow charge under that plan.

For emergency roadside assistance, call 1-800-241-3673, 24 hours a day, 365 days a year.

Ford Rent-A-Car (FRAC) and Dealer Daily Rental (DDR) vehicles that must be towed because a covered repair failed during the warranty coverage period, Ford will cover towing to the nearest Ford Motor Company dealership.

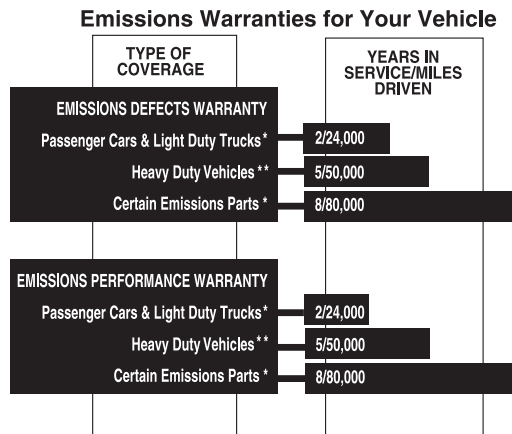
Ford Motor Company reserves the right to modify or discontinue Roadside Assistance at any time. Certain restrictions apply to Roadside Assistance benefits. Call 1-800-241-3673 for further details.

5. Federal requirements for emissions warranties

QUICK REFERENCE: EMISSIONS WARRANTY COVERAGE

This chart shows your warranty coverage under two emissions warranties that Ford Motor Company provides, in compliance with Federal requirements. The warranties are:

- Emissions Defects Warranty
- Emissions Performance Warranty



* Applies to vehicles up through 8,500 pounds gross vehicle weight rating (GVWR)

** Applies to trucks over 8,500 pounds GVWR up through 19,500 pounds GVWR.
Vocational vehicle tires covered for 2/24,000 for defects that affect compliance with greenhouse gas requirements.

For full details on emissions control coverage, see:

- **Emissions Defect Warranty** (pages 23-24)
- **Emissions Performance Warranty** (pages 24-25)
- **What is Covered?** (pages 26-28)
- **What is Not Covered?** (page 28)

NOTE: Fully-electric vehicles are not eligible for any emissions warranties described in this booklet.

EMISSIONS DEFECT WARRANTY COVERAGE

During the warranty coverage period, Ford Motor Company warrants that:

- your vehicle or engine is designed, built, and equipped to meet - at the time it is sold - the emissions regulations of the U.S. Environmental Protection Agency (EPA).
- your vehicle or engine is free from emission-related defects in factory-supplied materials or workmanship, which are defects that could prevent the vehicle or engine from conforming with applicable EPA regulations.
- you will not be charged for diagnosis, repair, replacement, or adjustment of parts containing an emissions-related defect. A list of emission-related parts can be found in **What is Covered?** on pages 26-28.

The warranty coverage period for:

- The emissions defects warranty coverage period for passenger cars and light duty trucks (applies to vehicles up through 8,500 pounds GVWR) is as follows:
 - 8 years or 80,000 miles (whichever occurs first) for catalytic converters, electronic emissions control unit, and onboard emissions diagnostic devices, including the battery energy control module (BECM), and emission-related reprogramming of modules.
 - 2 years or 24,000 miles (whichever occurs first) for all other covered parts. (Note: Ford's 3-year, 36,000-mile bumper-to-bumper coverage, as described above, surpasses this mandatory federal coverage.)

- Heavy duty vehicles (applies to trucks over 8,500 pounds GVWR up through 19,500 pounds GVWR)
 - The emissions warranty coverage period for heavy duty vehicles (HDVs) is 5 years or 50,000 miles (whichever comes first) for all parts covered by your emissions warranty. The 5 year or 50,000 mile warranty includes coverage of components whose failure would increase the vehicle's emissions of air conditioning refrigerants.
 - **Only for HDVs designated as "vocational vehicles" on the underhood "VEHICLE EMISSION CONTROL INFORMATION" label:** Tire defects that affect compliance with greenhouse gas requirements are covered for 2 years or 24,000 miles, whichever comes first.

EMISSIONS PERFORMANCE WARRANTY COVERAGE

Under Emissions Performance Warranty Coverage, Ford Motor Company will repair, replace, or adjust - with no charge for labor, diagnosis, or parts - any emissions control device or system, if you meet all of the following conditions:

- You have maintained and operated your vehicle according to the instructions on proper care in the **Owner's Manual** and this booklet.
- Your vehicle fails to conform, during the warranty coverage period, to the applicable national EPA standards, as determined by an EPA approved inspection and maintenance program.
- You are subject to a penalty or sanction under local, state, or federal law because your vehicle has failed to conform to the emissions standards. (A penalty or sanction can include being denied the right to use your vehicle.)
- Your vehicle has not been tampered with, misused, or abused.

The warranty coverage period for:

- Passenger cars and light duty trucks (applies to vehicles up through 8,500 pounds GVWR) is as follows:
 - 8 years or 80,000 miles (whichever occurs first) for catalytic converters, electronic emissions control unit, and onboard emissions diagnostic devices, including the battery energy control module (BECM), and emission-related reprogramming of modules.
 - 2 years or 24,000 miles (whichever occurs first) for all other covered parts .
- Heavy duty vehicles (applies to trucks over 8,500 pounds GVWR up through 19,500 pounds GVWR)
 - 5 years or 50,000 miles (whichever occurs first) for all covered parts.

See **WHAT IS COVERED?** below for list of covered parts.

Note that the warranty period begins on the **Warranty Start Date** as specified on page 2 of this booklet.

WHAT IS COVERED?

If the parts on the following list contain an emissions-related defect, they are covered by the Defects Warranties.

- Aftertreatment Sensors
- Air Flow Sensor
- Air/Fuel Feedback Control System and Sensors
- Air Induction System
- Anti-lock Brake System Module (Hybrid and Plug-in Hybrid vehicles only except Explorer hybrid)
- Battery Energy Control Module (BECM)
- Belt Integrated Starter Generator (Hybrid and Plug-in Hybrid vehicles only)
- Brake Hydraulic/Electric Control Assembly (Plug-in Hybrid vehicles only)
- Brake Vacuum Pump (Plug-in Hybrid vehicles only)
- Catalytic Converters (including Selective Catalytic Reduction and Diesel Oxidation Catalysts)
- Charger and Bracket Assembly High Voltage Battery (Hybrid and Plug-in Hybrid vehicles only)
- Cold Start Enrichment System (diesel only)
- Controls for Deceleration (diesel only)
- Converter and Bracket Assembly High Voltage to Low Voltage (Hybrid and Plug-in Hybrid vehicles only)
- Diesel Exhaust Fluid System
- Diesel Particulate Filter
- Electronic Ignition System (diesel only)
- Electronic Engine Control Sensors and Switches
- Powertrain Control Module (PCM)/ Engine Control Module (ECM)*
- Evaporative Emission Control System
- Exhaust Gas Recirculation (EGR) System
- Exhaust Manifold
- Exhaust Pipe (Manifold to Catalyst)
- Fuel Filler Door Sensor (Hybrid and Plug-in Hybrid vehicles only)
- Fuel Filler Tube and Seal (non-diesel only)
- Fuel Injection System
- Fuel Injector Supply Manifold
- Fuel Tank (non-diesel only)
- Fuel Tank Pressure Control valve

- Glow Plugs (diesel only)
- High Voltage Battery (Hybrid and Plug-in Hybrid vehicles only)
- HVAC Controller (Plug-in Hybrid vehicles only)
- Ignition Coil and/or Control Module
- Intake Manifold
- Intercooler Assembly - Engine Charger
- Inverter System Controller (Plug-in Hybrid vehicles only)
- Jumper Assembly Charge Inlet to Charger (Hybrid and Plug-in Hybrid vehicles only)
- Jumper Assembly DC/DC Converter to High Voltage Panel (Hybrid and Plug-in Hybrid vehicles only)
- Malfunction Indicator Lamp (MIL)/On-Board Diagnostic (OBD) System
- Module and Bracket Assembly Transmission Inverter Control (Hybrid and Plug-in Hybrid vehicles only)
- Motor Electronics Coolant Pump (Plug-in Hybrid vehicles only)
- PCV system and Oil Filler Cap
- Onboard Charger (Plug-in Hybrid vehicles only)
- Secondary Air Injection System
- Spark Control Components
- Spark Plugs and Ignition Wires
- Thermostat
- Throttle Body Assembly (MFI)
- Transmission Assembly (Plug-in Hybrid vehicles only)
- Transmission Auxiliary Oil Pump (Plug-in Hybrid vehicles only)
- Transmission Fluid Temperature Sensor (Plug-in Hybrid vehicles only)
- Transmission Control Module (TCM) and Solenoids
- Turbocharger Assembly
- Vacuum Distribution System

* Includes hardware and emissions related software changes only

Important Information About List of Parts

Also covered by the two emissions warranties are all emissions-related bulbs, hoses, clamps, brackets, tubes, gaskets, seals, belts, connectors, non-diesel fuel lines, sensors, and wiring harnesses that are used with components on the list of parts, above.

Concerning parts that should be replaced on a certain maintenance schedule: these parts remain under warranty until : (a) the first replacement time that is specified in your **Owner's Manual**; or (b) the time or mileage limits of the Federal Defect and Performance Warranties (whichever occurs first). Your Ford Motor Company dealer maintains a complete list of parts covered by the emissions performance warranty. For questions about emission-related parts, contact your dealer.

WHAT IS NOT COVERED?

Ford Motor Company may deny you emissions warranty coverage due to abuse, neglect, improper maintenance, or unapproved modifications.

If you need more information about getting service under the **Federal Emissions Performance Warranty**, or if you want to report what you believe to be violations of the terms of this warranty, you may contact:

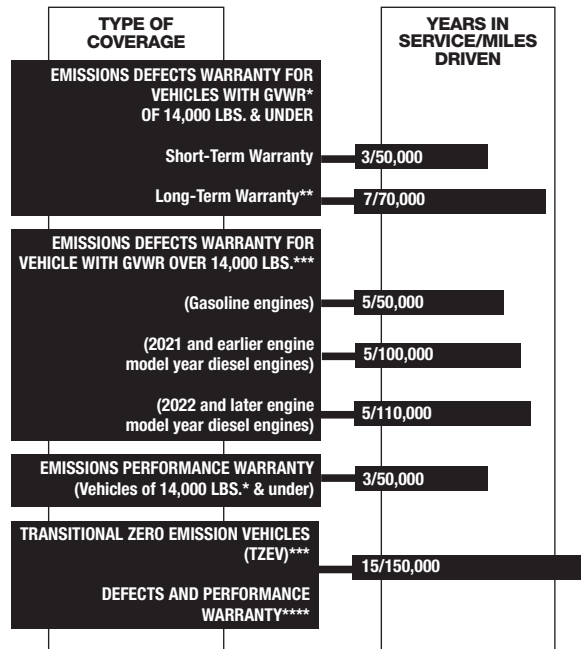
**U.S. Environmental Protection Agency
Office of Transportation and Air Quality
Compliance Division, Light-Duty Vehicle Group
Attn: Warranty Complaints
2000 Traverwood Drive
Ann Arbor, MI 48105
Email: complianceinfo@epa.gov**

6. California requirements for emissions warranties

QUICK REFERENCE: EMISSIONS WARRANTY COVERAGE

This chart shows the emission warranty that Ford Motor Company provides for your vehicle under the emissions control warranty in accordance with the regulations of the California Air Resources Board. This coverage is in addition to Federal Emission warranties (Page 22).

Emissions Warranties for California Certified Vehicles



* Gross Vehicle Weight Rating

** These specific parts were selected on the basis of their estimated replacement cost at the time the California Air Resources Board certified your vehicle for sale in California (up through 14,000 pounds GVWR).

*** Refer to your Vehicle Emission Control Information and Important Engine Information (if applicable) label for emissions certification information.

**** Except for the high voltage battery, which is covered for 10 years or 150,000 miles (whichever occurs first).

NOTE: Fully-electric vehicles are not eligible for any emissions warranties described in this booklet.

Vehicles Eligible for California Emission Warranty Coverage

California emission warranty coverage applies if your vehicle meets the following two requirements:

- Your vehicle is registered in a state¹ that has adopted and is enforcing California emission warranty regulations applicable for your vehicle at the time of repair, and
- Your vehicle is certified for sale in California as indicated on the vehicle emission control information label.

¹ Subject to change, the following states have adopted and are enforcing California emission warranty regulations:

- **Passenger Car & Light-duty Trucks** (up through 8,500 pounds GVWR) - California, Colorado, Connecticut, Delaware, Maine, Maryland, Massachusetts, New Jersey, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington
- **Medium-Duty Passenger Vehicles** (up through 10,000 pounds GVWR designed primarily for the transportation of persons. Excludes incomplete trucks, trucks with a seating capacity either over twelve persons total or over nine persons rearward of the driver's seat, or trucks with an open cargo area of at least six feet of interior length): California, Colorado, Connecticut, Delaware, Maine, Maryland, Massachusetts, New York, Oregon, Rhode Island, Vermont and Washington
- **Medium-Duty Vehicles** (over 8,500 pounds GVWR up through 14,000 pounds GVWR) - California, Colorado, Connecticut, Delaware, Maine, Maryland, Massachusetts, New York, Oregon, Rhode Island, and Vermont.
- **Light Heavy-Duty Diesel Engine Vehicles** (over 14,000 pounds GVWR up through 19,500 pounds GVWR) - California, Maine and Pennsylvania.

Vehicles Eligible for California Transitional Zero Emission Vehicle (TZEV) Emission Warranty Coverage

California Transitional Zero Emissions Vehicle (TZEV) extended emission warranty coverage applies if your vehicle meets the following two requirements:

- Your vehicle is registered in a state** that has adopted and is enforcing California TZEV emissions warranty regulations applicable to your vehicle at the time of repair, and
- Your vehicle is certified as a TZEV in California as indicated on the vehicle emission control information label.

**Subject to change, the following states have adopted and are enforcing California TZEV emission warranty regulations: California, Colorado, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New York, Rhode Island, and Vermont (NOTE: Delaware, Pennsylvania and Washington did not adopt the California TZEV emission warranty; standard California emission warranty coverage applies to all emission components. Oregon adopted high voltage battery TZEV warranty requirements only.)

For full details about coverage under California requirements for emissions control, see:

- **Defects Warranties** (pages 32-41)
- **Performance Warranty** (pages 32-35)
- **What Is Covered?** (pages 36-41)
- **What Is Not Covered?** (page 41)

EXPLANATION OF CALIFORNIA EMISSIONS WARRANTIES

CALIFORNIA EMISSION CONTROL WARRANTY STATEMENT

Your Warranty Rights and Obligations

The California Air Resources Board and Ford Motor Company are pleased to explain the emission control system warranty on your 2023-model vehicle. In California, new motor vehicles must be designed, built, and equipped to meet the State's stringent anti-smog standards. Ford must warrant the emission control system on your vehicle for the periods of time listed on pages 32-35, provided there has been no abuse, neglect, or improper maintenance of your vehicle.

Your emission control system may include parts such as the fuel injection system, the ignition system, catalytic converter, and the engine computer. Also included may be hoses, belts, connectors, and other emissions-related assemblies.

Where a warrantable condition exists, Ford Motor Company will repair your vehicle at no cost to you including diagnosis, parts, and labor.

Manufacturer's Warranty Coverage

For Vehicles Eligible for California Emission Warranty Coverage

If Gross Vehicle Weight Rating is 14,000 lbs. or less:

For 3 years or 50,000 miles (whichever occurs first):

1. If your vehicle fails a Smog Check inspection, all necessary repairs and adjustments will be made by Ford to ensure that your vehicle passes the inspection. This is your emission control system PERFORMANCE WARRANTY.
2. If any emissions-related part on your vehicle is defective, the part will be repaired or replaced by Ford. This is your short-term emission control system DEFECTS WARRANTY.

For 7 years or 70,000 miles (whichever occurs first):

If an emissions-related part listed in this warranty booklet specially noted with coverage for 7 years or 70,000 miles is defective, the part will be repaired or replaced by Ford. This is your long-term emission control system DEFECTS WARRANTY.

For a list of the high-priced emission-related parts that are covered for 7 years or 70,000 miles, go to www.owner.ford.com/OwnerManuals.

Select the list that corresponds to the model and the model year of your vehicle. NOTE: This list is vehicle specific and may not be the same for all vehicles. It is based on the replacement cost of each specific part, which can vary between vehicle lines.

If Gross Vehicle Weight Rating is 8,501 lbs. through 14,000 lbs.:

- For 5 years or 50,000 miles (whichever occurs first) for components whose failure would increase the vehicle's emissions of air conditioning refrigerants.
- **Only for HDVs designated as "vocational vehicles" on the underhood "VEHICLE EMISSION CONTROL INFORMATION" label:** Tire defects that affect compliance with greenhouse gas requirements are covered for 2 years or 24,000 miles, whichever comes first.

If Gross Vehicle Weight Rating is over 14,000 lbs.:

For 5 years or 50,000 miles (gasoline engines), 5 years or 100,000 miles (2021 and earlier engine model year diesel engines), and 5 years or 110,000 miles (2022 and later engine model year diesel engines) (whichever occurs first). Warranty coverage of 5 years or 50,000 miles (whichever occurs first) applies for components whose failure would increase the vehicle's emissions of air conditioning refrigerants. **Only for HDVs designated as "vocational vehicles" on the underhood "VEHICLE EMISSION CONTROL INFORMATION" label:** Tire defects that affect compliance with greenhouse gas requirements are covered for 2 years or 24,000 miles, whichever comes first.

For Vehicles Eligible for California TZEV Emission Warranty Coverage

Except as noted below, for 15 years or 150,000 miles (whichever first occurs):

1. If your vehicle fails a Smog Check inspection, all necessary repairs and adjustments will be made by Ford to ensure that your vehicle passes the inspection. This is your emission control system PERFORMANCE WARRANTY.
2. If any emissions-related part on your vehicle is defective, the part will be repaired or replaced by Ford. This is your short-term emission control system DEFECTS WARRANTY.

NOTE: The TZEV warranty period for the high-voltage battery is 10 years or 150,000 miles (whichever first occurs).

Owner's Warranty Responsibilities

As the vehicle owner, you are responsible for the performance of the required maintenance listed in your owner's manual. Ford Motor Company recommends that you retain all receipts covering maintenance on your vehicle, but Ford cannot deny warranty coverage solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

You are responsible for presenting your vehicle to a Ford Motor Company dealer as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

As the vehicle owner, you should also be aware that Ford Motor Company may deny you warranty coverage if your vehicle or a part has failed due to abuse, neglect, improper maintenance, or unapproved modifications.

If you have any questions regarding your warranty rights and responsibilities, or if you want to report what you believe to be violations of the terms of this warranty, you may contact the Ford Customer Relationship Center at 1-800-392-3673 (FORD) or the California Air Resources Board at:

**California Air Resources Board
9528 Telstar Avenue
El Monte, California 91731**

WHAT IS COVERED?

If the parts on the following list contain an emissions-related defect, they are covered by the Defects Warranties.

- Aftertreatment Sensors
- Air Flow Sensor
- Air/Fuel Feedback Control System and Sensors
- Air Induction System
- Anti-lock Brake System Module (Hybrid and Plug-in Hybrid vehicles only except Explorer hybrid)
- Battery Energy Control Module (BECM)
- Belt Integrated Starter Generator (Hybrid and Plug-in Hybrid vehicles only)
- Brake Hydraulic/Electric Control Assembly (Plug-in Hybrid vehicles only)
- Brake Vacuum Pump (Plug-in Hybrid vehicles only)
- Catalytic Converters (including Selective Catalytic Reduction and Diesel Oxidation Catalysts)
- Charger and Bracket Assembly High Voltage Battery (Hybrid and Plug-in Hybrid vehicles only)
- Cold Start Enrichment System (diesel only)
- Controls for Deceleration (diesel only)
- Converter and Bracket Assembly High Voltage to Low Voltage (Hybrid and Plug-in Hybrid vehicles only)
- Diesel Exhaust Fluid System
- Diesel Particulate Filter
- Electronic Ignition System (diesel only)
- Electronic Engine Control Sensors and Switches
- Powertrain Control Module (PCM)/Engine Control Module (ECM)*
- Evaporative Emission Control System
- Exhaust Gas Recirculation (EGR) System
- Exhaust Manifold
- Exhaust Pipe (Manifold to Catalyst)
- Fuel Filler Door Sensor (Hybrid and Plug-in Hybrid vehicles only)
- Fuel Filler Tube and Seal (non-diesel only)
- Fuel Injection System
- Fuel Injector Supply Manifold
- Fuel Tank (non-diesel only)
- Fuel Tank Pressure Control Valve

- Glow Plugs (diesel only)
- High Voltage Battery (Hybrid and Plug-in Hybrid vehicles only)
- HVAC Controller (Plug-in Hybrid vehicles only)
- Ignition Coil and/or Control Module
- Intake Manifold
- Intercooler Assembly - Engine Charger
- Inverter System Controller (Plug-in Hybrid vehicles only)
- Jumper Assembly Charge Inlet to Charger (Hybrid and Plug-in Hybrid vehicles only)
- Jumper Assembly DC/DC Converter to High Voltage Panel (Hybrid and Plug-in Hybrid vehicles only)
- Malfunction Indicator Lamp (MIL)/On-Board Diagnostic (OBD) System
- Module and Bracket Assembly Transmission Inverter Control (Hybrid and Plug-in Hybrid vehicles only)
- Motor Electronics Coolant Pump (Plug-in Hybrid vehicles only)
- PCV System and Oil Filler Cap
- Onboard Charger (Plug-in Hybrid vehicles only)
- Secondary Air Injection System
- Spark Control Components
- Spark Plugs and Ignition Wires
- Thermostat
- Throttle Body Assembly (MFI)
- Transmission Assembly (Plug-in Hybrid vehicles only)
- Transmission Auxiliary Oil Pump (Plug-in Hybrid vehicles only)
- Transmission Fluid Temperature Sensor (Plug-in Hybrid vehicles only)
- Transmission Control Module (TCM) and Solenoids
- Turbocharger Assembly
- Vacuum Distribution System

* Includes hardware and emissions related software changes only

COVERAGE FOR 2023 MODEL VEHICLES (GVWR OF 14,000 LBS. OR LESS) UNDER LONG TERM DEFECTS WARRANTY
 APPLICABLE ONLY TO CALIFORNIA-CERTIFIED VEHICLES REGISTERED IN A STATE THAT HAS ADOPTED AND IS ENFORCING CALIFORNIA EMISSION WARRANTY REGULATIONS
 (Coverage for up to 7 years/70,000 miles, whichever first occurs)

Part Number	1.5L Bronco Sport (3)	1.5L Escape (3)	2.0L Bronco Sport (3)	2.0L Edge (3)	2.0L Escape (3)	2.3L Explorer (3)	2.3L Ranger (3)	2.5L Hybrid Escape	2.5L Plug-In Hybrid Escape	2.7L Edge (3)	3.0L Explorer (3)	3.3L Explorer	3.3L Hybrid Explorer	3.5L Expedition (3)	3.5L Transit	3.5L Transit (3)
Instrument Cluster (2)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Battery Energy Control Module								X	X				X			
On-Board Battery Charger (1)								X	X				X			
High Voltage Traction Battery								X	X				X			
Battery Integrated Starter Generator													X			
CS Sensor Ring		X													X	X
Powertrain Control Wiring Harness (4)		X		X	X			X	X	X						
Sensor Coolant Temp				X	X					X	X					
Powertrain Control Module (PCM) / Engine Control Module	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Knock Sensor (KS)						X				X	X					
Wire Assembly - Engine Control and Sensors (4)								X	X				X			
Dash Panel & Headlamp Junction Wiring (4)	X	X	X		X	X	X	X	X		X	X	X	X		
Interior Wiring Assembly (4)						X	X				X	X	X		X	X
Roof Wiring Harness (4)	X	X	X	X	X			X	X	X				X	X	X
Main Wiring Assembly (4)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Rear Lamp Wiring Assembly (4)							X							X		
Fuel Sender Wiring Assembly (4)	X	X	X		X			X	X						X	X
Fuse Assembly (4)						X					X	X	X			
Main Body Wiring Harness (4)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
HVEDS Charge Port Harness								X	X				X			
Main Jumper Wiring Assembly (4)	X	X	X		X	X		X	X	X	X	X	X	X	X	X
Molded Lead Frame Wiring Harness (4)	X		X	X						X					X	X
Transmission Harness Connector (4)				X						X						
DCDC Converter and Bracket Assembly								X	X				X			
ISC and Bracket Assembly								X	X				X			
Valve Assembly - Htr Wtr Control (4)								X	X				X			
Pump Assembly Htr (1)(4)								X								
A/C Compressor								X	X				X			
A/C Condenser								X	X				X			
Condenser to Evaporator Tube													X			
A/C Expansion Valve													X			
A/C Evaporator Assembly								X	X				X			
HVAC Controller (1)								X	X							
ABS Module								X	X							
ABS Electronic Control Module (4)								X	X							
Power Steering Wiring Assembly (4)														X		
Exhaust to Turbo Gasket														X		
Catalytic Converter	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Part Number	1.5L Bronco Sport (3)	1.5L Escape (3)	2.0L Bronco Sport (3)	2.0L Edge (3)	2.0L Escape (3)	2.3L Explorer (3)	2.3L Ranger (3)	2.5L Hybrid Escape	2.5L Plug-in Hybrid Escape	2.7L Edge (3)	3.0L Explorer (3)	3.3L Explorer	3.3L Hybrid Explorer	3.5L Expedition (3)	3.5L Transit	3.5L Transit (3)
Converter Heat Shield										X						
Catalytic Converter and Pipe															X	X
Exhaust Manifold & Catalyst Assembly		X			X			X	X							
Camshaft Timing Assembly	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Adjuster Assembly - Valve Lifter (4)		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Arm Assembly - Valve Rocker (4)	X	X		X		X				X	X			X		
Valve Rocker Cover Assembly (RH, LH)			X	X	X	X	X			X	X	X	X	X		
Oil Pump Assembly (4)	X							X	X	X	X	X	X	X	X	
Oil Filter Tube Assy (4)			X		X											
Crankshaft Position Sensor (CKP)														X	X	X
Variable Camshaft Timing Assembly	X	X	X	X	X	X	X			X	X	X	X	X	X	X
Duct, Charge Air Cooler Cold										X						
Duct, Charge Air Cooler Hot			X	X						X						
Charge Air Cool Tube Assembly Inlet										X						
Charge Air Cool Tube Assembly Outlet				X						X						
Cylinder Head Temperature Sensor						X				X	X					
Camcover Gasket			X	X	X	X	X			X	X	X	X	X		
Turbocharger	X	X	X	X	X	X	X			X	X			X		X
Charge Air Cooler	X	X	X		X	X				X				X		
Catalytic Converter Gasket					X											
Engine Variable Camshaft Timing Solenoid				X	X	X	X				X	X	X	X		
Hybrid Powertrain Control Module (1)								X								
Transmission/Diff Assembly (4)						X	X				X	X		X	X	X
Transmission Control Assembly (4)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Inverter System Controller (1) (4)								X								
Transmission Harness Connector (4)														X		
Transmission Torque Clutch Solenoid Assembly (4)	X	X	X	X	X			X	X	X						X
Transmission Internal MLF Wiring Harness (4)	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X
Pressure Regulator Sensor	X	X	X	X	X			X	X	X					X	X
Transmission Solenoid Assembly	X	X	X	X	X			X	X	X						
Pressure Regulator Solenoid Assembly	X	X	X	X	X			X	X	X					X	X
Output Shaft Speed (OSS) Sensor	X	X	X	X	X			X	X	X					X	X
Transmission Fluid Temperature (TOT) Sensor	X	X	X	X	X			X	X	X					X	X
Transmission Range Sensor / Detent Assembly	X	X	X	X	X			X	X	X	X	X	X	X	X	X
Transmission Solenoid - 5R110W	X	X	X	X	X			X	X	X					X	X
Turbine/Input Shaft Speed (TSS) Sensor Assembly															X	X
Emotor Front Module													X			
Thermostat Assembly						X					X					
Fan Shroud Harness (4)				X						X						
Valve Assembly - Htr Wtr Control (1)(4)								X	X							
Fuel Tank	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Fuel Tank Sender and Outlet Tube Assembly				X				X	X	X						

Part Number	1.5L Bronco Sport (3)	1.5L Escape (3)	2.0L Bronco Sport (3)	2.0L Edge (3)	2.0L Escape (3)	2.3L Explorer (3)	2.3L Ranger (3)	2.5L Hybrid Escape	2.5L Plug-in Hybrid Escape	2.7L Edge (3)	3.0L Explorer (3)	3.3L Explorer	3.3L Hybrid Explorer	3.5L Expedition (3)	3.5L Transit	3.5L Transit (3)
High Pressure Fuel Pump	X	X	X	X	X	X		X	X	X		X	X	X	X	X
Intake Manifold		X			X						X	X	X		X	X
Exhaust Manifold (Right Hand)												X	X	X	X	X
Exhaust Manifold (Left Hand)												X	X	X	X	X
Intake Manifold Gasket					X											
Intake Manifold Gasket LH		X														
Exhaust Manifold Gasket					X	X	X			X	X	X	X	X	X	X
Flat/Ring Exhaust Gasket		X			X					X				X	X	X
Fuel Tank Shield		X	X	X				X	X	X						
Fuel Injection Fuel Supply Manifold Assembly			X	X	X		X			X	X	X	X	X	X	X
Fuel Tube Return Line to Tank End		X	X	X				X	X	X						
EGR Valve Assembly														X		
Carbon Canister and Bracket Assembly				X						X					X	X
Rear Vapor Line Assembly Tank to Vapor Blocking Valve (VBV)						X					X	X	X			
EGR Outlet Pipe Gasket							X									
Inlet Tube (EGR)						X										
EGR Cooler and Bypass Valve					X	X										
EGR Tube to Manifold Connector												X	X	X	X	
Fuel Injector			X	X	X	X				X	X			X	X	X
Fuel Injector Fuel Supply Manifold												X	X	X	X	
Fuel Injector Charge Assembly			X	X			X			X	X	X	X	X	X	X
Injection Pressure Sensor										X	X	X	X			
Turbocharger			X	X	X	X	X									
Turbocharger Actuator Kit			X	X	X	X	X							X		
Direct Fuel Injector				X	X	X				X	X			X	X	
Fuel Delivery Module		X		X	X	X		X	X	X	X	X	X	X	X	X
Fuel Tube Supply	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
Fuel Supply Line Tank to Bundle		X	X							X	X		X		X	X
Sensor to Rail Fuel Line	X		X	X						X	X	X		X		
Fuel Pump to Fuel Rail Tube				X						X	X	X	X	X	X	X
EGR Pressure Sensor					X					X						
Tank Assembly (without straps)				X			X			X				X		
Turbocharger Control Solenoid																X
Intake Manifold Lower												X	X		X	X
Exhaust/Emission Control Wire Assembly (4)															X	X
Exhaust to Turbo Gasket		X												X		X
Turbo Exhaust Adapter																X
Compressor Bypass Valve														X		
EGR Outlet Temperature Sensor					X											

(1) For Plug-in Hybrid Vehicles Only
(2) For Service Engine Soon/Malfunction Indicator Lamp (MIL) Functionality Concerns Only

(3) For EcoBoost/ Turbocharged Engine Only
(4) For MIL Illumination Only
(5) For Non-EcoBoost Engine Only

Important Information about List of Parts

There may be additional coverage for these parts through the Bumper to Bumper, Powertrain, or Diesel Engine limited warranties. In any case, the warranty with the broadest coverage applies.

Ford will cover damages to other vehicle components proximately caused by a failure under warranty of any warranted part.

Also covered by this warranty are all emissions-related bulbs, hoses, clamps, brackets, tubes, gaskets, seals, belts, connectors, non diesel fuel lines, and wiring harnesses that are used with components on the list of parts above.

Concerning parts that should be replaced on a certain maintenance schedule: these parts remain under warranty until the first required replacement time that is specified in your **Owner's Manual**.

NOTE: If the diagnosis does not reveal a defect, the Defects Warranty does not apply.

Your Ford Motor Company dealer maintains a complete list of covered parts. For more details about the specific parts that are covered by the Defects Warranty, contact your dealer.

WHAT IS NOT COVERED?

Ford Motor Company may deny you emissions warranty coverage due to abuse, neglect, improper maintenance, or unapproved modifications.

7. Additional information about your emissions warranty coverage, under Federal and California requirements

HOW DO I GET WARRANTY SERVICE?

To get service under your emissions warranties, take your vehicle to any Ford Motor Company dealer as soon as possible after illumination of the Malfunction Indicator Light or it has failed an EPA-approved test or a California Smog Check inspection. Be sure to show the dealer the document that says your vehicle has failed the test.

Your dealer will determine whether the repair is covered by the warranty. If the dealer has a question about Emissions Performance Warranty coverage, it will forward the question to Ford Motor Company, which must make a final decision within 30 days after you bring your vehicle in for repair. (The decision will be made within a shorter time if state, local, or federal law requires you to have the vehicle repaired more quickly in order to avoid additional penalties.) The deadline for a determination about Emissions Performance Warranty Coverage does not need to be met if you request a delay, agree to a delay in writing, or if the delay is caused by an event for which neither Ford nor your dealer is responsible. If a question about Emissions Performance Warranty coverage is referred to Ford Motor Company, you will be notified by Ford Motor Company in writing if your claim for warranty coverage is denied. The notice will explain the basis for denying your claim. If you fail to receive this notice within a timely manner, as determined above, Ford will perform the warranty repair for you free of charge.

HOW DO I HANDLE EMERGENCY REPAIRS?

If your vehicle needs an emergency warrantable repair and a Ford Motor Company dealer is not available, or if a Ford Motor Company dealer cannot perform warrantable repair(s) within 30 days of you bringing your vehicle to the dealer, repairs may be performed at any service establishment or by you using Ford equivalent replacement parts.

Ford will reimburse you for the cost of these warranty repairs including diagnosis, if you take the part(s) that are replaced and the repair receipt(s) to a Ford Motor Company dealer. The reimbursement shall not exceed Ford's suggested retail price for the warranted parts that are replaced and labor charges based on Ford's recommended time allowance for the warranty repair and the geographically appropriate hourly rate.

WHAT REPLACEMENT PARTS SHOULD I USE?

Ford Motor Company recommends that you use genuine Ford replacement parts. However, when you are having non-warranty work done on your vehicle, you may choose to use non-Ford parts. If you decide to use non-Ford parts, be sure they are equivalent to Ford parts in performance, quality, and durability. If you use replacement parts that are not equivalent to Ford parts, your vehicle's emissions control systems may not work as effectively, and you may jeopardize your emissions warranty coverage.

Under the Federal and California emissions warranties, Ford will repair or replace covered parts if they are properly installed Ford parts or the equivalent, or non-Ford parts that have been certified by the U.S. EPA or the California Air Resources Board (CARB). Ford is not responsible for the cost of repairing or replacing non-Ford parts that are not equivalent to Ford parts or that have not been certified by EPA or CARB.

The maintenance, replacement, or repair of emissions control devices or systems can be performed by any automotive repair establishment or individual using Ford replacement parts or the equivalent, or EPA- or CARB-certified parts, without voiding your emissions warranty coverage for future repairs during the applicable warranty period.

PROPER MAINTENANCE PRESERVES YOUR WARRANTY

If you do not maintain your vehicle properly, Ford may have the right to deny you warranty coverage.

To have repairs made under this warranty, you may have to show that you have followed Ford's instructions on properly maintaining and using your vehicle. You will find these instructions in your **Owner's Manual**. Be sure to save your service receipts and to keep accurate records of all maintenance work.

CUSTOMER ASSISTANCE

If you are not satisfied with the handling of a warranty matter, see **Customer Assistance**, on the inside front cover, and **Better Business Bureau (BBB) AUTO LINE program**, page 47.

8. Noise emissions warranty

NOISE EMISSIONS WARRANTY FOR CERTAIN LIGHT TRUCKS

Ford Motor Company warrants to the first person who purchases this vehicle for purposes other than resale and to each subsequent purchaser that this vehicle as manufactured by Ford, was designed, built and equipped to conform at the time it left Ford's control with all applicable U.S. EPA Noise Control Regulations.

This warranty covers this vehicle as designed, built and equipped by Ford Motor Company, and is not limited to any particular part, component or system of the vehicle as manufactured by Ford. Defects in design, assembly or in any part, component or system of the vehicle as manufactured by Ford, which, at the time it left Ford's control, caused noise emissions to exceed Federal standards, are covered by this warranty for the life of the vehicle.

THE NOISE EMISSIONS WARRANTY OBLIGATIONS DO NOT APPLY TO:

- loss of time, inconvenience, loss of use of the vehicle, commercial loss or other consequential damages.
- any vehicle which is not covered by the U.S. EPA Medium and Heavy Trucks Noise Emission Standards (40 C.F.R. Part 205, Subpart B). Among the non-covered vehicles are those lacking a partially or fully enclosed operator's compartment, such as a basic stripped chassis, those having a Gross Vehicle Weight Rating of 10,000 pounds or less, and those sold outside the United States and its territories. To the extent permitted by law, THIS WARRANTY IS EXPRESSLY INSTEAD of any express or implied warranty, condition, or guarantee, agreement, or representation, by any person with respect to conformity of this vehicle with the U.S. EPA Noise Control Regulations, including ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS.

9. Ford Protect Extended Service Plan

MORE PROTECTION FOR YOUR VEHICLE

You can get more protection for your new car or light truck by purchasing a Ford Protect. Ford Protect service contracts are backed by Ford Motor Company or Ford Motor Service Company. Ford Protect plans provide up to 8 years and 150,000 miles of coverage.

They provide:

- benefits during the warranty period, depending on the plan you purchase can be: reimbursement for a rental vehicle, protecting against tire and wheel road hazard damage, coverage for certain maintenance and wear items, lost key replacement, other plans are available;
- protection against covered repair costs and continuing Roadside Service Assistance benefits after your Bumper to Bumper Warranty expires.

You may purchase Ford Protect from any Ford Motor Company dealer or see our website at fordprotect.ford.com. There are several Ford Protect plans available in various time, distance and deductible combinations. Each plan is tailored to fit your own driving and vehicle ownership needs, including reimbursement for towing and rental.

When you purchase Ford Protect, you receive peace-of-mind protection throughout the United States, Canada and Mexico, provided by a network of more than 3,200 Ford Motor Company dealers.

NOTE: Repairs performed outside the United States, Canada, Mexico, Guam or Puerto Rico, Virgin Islands, American Samoa and District of Columbia are not eligible for Ford Protect coverage.

This information is subject to change. Ask your dealer for complete details about Ford Protect coverage.

10. The Better Business Bureau (BBB) AUTO LINE Program (U.S. Only)

Your satisfaction is important to Ford Motor Company and to your dealer. If a warranty concern has not been resolved using the three-step procedure outlined on the first page of the Customer Assistance section, you may be eligible to participate in the BBB AUTO LINE program.

The BBB AUTO LINE program consists of two parts — mediation and arbitration. During mediation, a representative of the BBB will contact both you and Ford Motor Company to explore options for settlement of the claim. If an agreement is not reached during mediation and your claim is eligible, you may participate in the arbitration process. An arbitration hearing will be scheduled so that you can present your case in an informal setting before an impartial person. The arbitrator will consider the testimony provided and make a decision after the hearing.

You are not bound by the decision, but should you choose to accept the BBB AUTO LINE decision, Ford must abide by the accepted decision as well. Disputes submitted to the BBB AUTO LINE program are usually decided within forty days after you file your claim with the BBB.

BBB AUTO LINE Application: Using the information provided below, please call or write to request a program application. You will be asked for your name and address, general information about your new vehicle, information about your warranty concerns, and any steps you have already taken to try to resolve them. A Customer Claim Form will be mailed that will need to be completed, signed, and returned to the BBB along with proof of ownership. Upon request, the BBB will review the claim for eligibility under the Program Summary Guidelines.

You can get more information by calling BBB AUTO LINE at 1-800-955-5100, or writing to:

**BBB AUTO LINE
1676 International Drive, Suite 550
McLean, VA 22102**

BBB AUTO LINE applications can also be requested by calling the Ford Motor Company Customer Relationship Center at 1-800-392-3673.

Note: Ford Motor Company reserves the right to change eligibility limitations, modify procedures, or to discontinue this process at any time without notice and without obligation.

11. State warranty enforcement laws

These state laws - sometimes called "lemon laws" - allow owners to receive a replacement vehicle or a refund of the purchase price, under certain circumstances. The laws vary from state to state.

To the extent your state law allows, Ford Motor Company requires that you first send us a written notification of any defects or non-conformities that you have experienced with your vehicle. (This will give us the opportunity to make any needed repairs before you pursue the remedies provided by your state's law.)

In all other states where not specifically required by state law, Ford Motor Company requests that you give us the written notice. Send your written notification to:

**Ford Motor Company
Customer Relationship Center
P.O. Box 6248
Dearborn, MI 48126**

12. Important information about ambulance conversions

Ford vehicles are suitable for producing ambulances only if equipped with the **Ford Ambulance Prep Package**. In addition, Ford urges ambulance manufacturers to follow the recommendations of the **Ford Incomplete Vehicle Manual** and the **Ford Truck Body Builders Layout Book** (and pertinent supplements).

Using a Ford vehicle without the Ford Ambulance Prep Package to produce an ambulance could result in elevated underbody temperatures, fuel over pressurization, and the risk of fuel expulsion and fires. Such use also voids the Ford Bumper to Bumper Warranty and may void the Emissions Warranties.

You may determine whether the vehicle is equipped with the **Ford Ambulance Prep Package** by inspecting the information plate on the driver's rear door pillar.

You may determine whether the ambulance manufacturer has followed Ford's recommendations by contacting the ambulance manufacturer of your vehicle.