SAFETY, DRIVER-ASSIST & OTHER TECHNOLOGIES
MANAGING VEHICLE SAFETY
At Ford, we design and manufacture vehicles that achieve high levels of vehicle safety for a wide range of people over a broad spectrum of real-world conditions. Vehicle safety is overseen by our Vice President of Sustainability, Environment and Safety Engineering.

ENCOURAGING SAFER DRIVING
Driver behavior is a key contributing factor in many vehicle crashes. We at Ford have developed and support an array of programs and technologies that help encourage safer behavior on the roadways, for both experienced and novice drivers.

AVOIDING ACCIDENTS
A variety of Ford technologies, in addition to each vehicle’s handling and braking capabilities, can assist drivers by helping control the vehicle or alerting the driver to potential collisions. Also, these technologies can support routine driving tasks by improving comfort and reducing demands on the driver.

ASSISTING DRIVERS
Driver-assistance technologies will continue to advance to provide drivers more support in certain situations, such as when changing lanes, in traffic jams and on highway trips. The driver will always remain in the loop to take control, if required.

PROTECTING OCCUPANTS
Many factors influence a vehicle’s crash performance, including the design of the vehicle and the use of safety equipment. Our commitment to advancing vehicle safety includes research and development of technologies that further enhance occupant protection in a wide variety of crash circumstances.

RESPONDING TO CRASHES
One method of assisting emergency responders to reach the scene of a vehicle crash quickly is through in-vehicle emergency call systems, also called post-crash notification. These systems can help occupants summon assistance in an urgent situation.

SEE NUMEROUS SAFETY FEATURES, PLUS MANY DRIVER-ASSIST TECHNOLOGIES, IN ACTION:
Visit the Ford.com and Lincoln.com Ford vehicles, Ford and Lincoln How-to Videos — along with the name of the specific feature or technology — in the search box at the bottom of the page. Follow the same procedure for the Lincoln vehicles by typing Lincoln How-to Videos — plus the name of the specific feature or technology — in the search query. These videos can also be found on owner.ford.com and owner.lincoln.com preferred.

A LEADERSHIP ROLE
At Ford, we’re committed to achieving top-level performance in real-world safety initiatives and driver-assist measures. Advancing vehicle safety includes the development of features that further protect occupants and other vulnerable road users in a variety of situations. We offer a range of innovative driver-assist technologies that utilize radar, sonar and cameras to sense and interpret the environment. These systems can also aid with routine driving tasks to reduce demands on the driver. Many Ford innovations require demanding internal criteria long before regulatory standards are adopted.

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* = Available.
SAFETY FEATURES

4-WAY ADJUSTABLE HEAD RESTRAINTS

Head restraints are designed to help improve the odds of each occupant being safely secured – to these restraint sys adjustment – moving up and down and back and forth – to suit each individual.

ADAPTIVE STEERING

The system adjusts the steering ratio of the vehicle to adapt to changing conditions.

● At slower speeds, the system may reduce steering effort on the steering wheel. This helps reduce driver fatigue.

● At highway speeds, the system further optimizes steering response, enabling the vehicle to react smoothly and precisely to low-speed maneuver. Each individual.

● At slower speeds, the system makes the vehicle more responsive when necessary.

● When the system senses a particular curve, it’s always up and down, and back and forth – to suit each individual.

● To view the “Personal Safety System” video that applies to your vehicle, go to owner.ford.com or 2 fleet.ford.com 1.800.34.FLEET

CURVE CONTROL

When the system senses a particular curve – to view the “Personal Safety System” video that applies to your vehicle, go to owner.ford.com or fleet.ford.com 1.800.34.FLEET

HEAD RESTRAINTS

Head restraints are designed to help minimize the risk of neck injury in the event of rear crashes will activate an airbag or safety belt pretensioner.

HEADLIGHTS

With brake support.

FORWARD COLLISION WARNING WITH BRAKE SUPPORT

Helping keep the driver aware of the vehicle’s path and proximity to objects – such as other vehicles and the road ahead – this system helps provide an added level of crash safety protection for 2nd-row outboard passengers. It’s important to remember that although this system helps in day/night situations, it is not designed for all traffic conditions. When an approaching vehicle’s headlamps or taillamps are detected, this feature can help provide stopping power in critical situations.

INFLATABLE REAR SAFETY BELTS

During certain types of frontal collisions, strategically placed sensor-correlated airbags provide added protection for the rear outboard seat occupants.

MYKEY®

To view the “Personal Safety System” video that applies to your vehicle, go to owner.ford.com or fleet.ford.com 1.800.34.FLEET

PERSONAL SAFETY SYSTEM™

During certain types of frontal collisions, strategically placed sensor-correlated airbags provide added protection for the rear outboard seat occupants.

REAR VIEW CAMERA

The horn sounds and hazard lights flash to alert others if the vehicle is involved in an accident when any side-lights flash and/ or the back-up safety belt pretensioners are deployed or cannot be deployed.

SYNC & VEHICLE FEATURES

For more information about SYNC® and/or the vehicle’s information display, drivers can choose to turn them on or off.

TO VIEW THE “PERSONAL SAFETY SYSTEM” VIDEO THAT APPLIES TO YOUR VEHICLE, GO TO OWNER.FORD.COM OR FLEET.FORD.COM 1.800.34.FLEET

SOS POST-CRASH ALERT SYSTEM™

While in Reverse, the camera displays an image of what’s directly behind the vehicle. Color-coded guidelines – representing the vehicle’s position relative to objects – are displayed in the rear view mirror. If the system is able to determine the status of the vehicle’s network, it can display an accurate image of what’s directly behind the vehicle. The horn sounds and hazard lights flash to alert others if the vehicle is involved in an accident when any side-lights flash and/ or the back-up safety belt pretensioners are deployed or cannot be deployed.

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1.800.34.FLEET
SAFETY FEATURES

THE PRESSURE MONITORING SYSTEM (TPMS)

Pressure is constantly measured in all the tires. When any tire is significantly underinflated, the system will sound a warning tone and display a message in the vehicle information display. The figure to the psi (pounds per square inch) numbers are shown in the vehicle’s information display.

INDIVIDUAL TIRE PRESSURE MONITORING SYSTEM (TPMS)

This version of TPMS shows the driver specifically which tire (left or right) is underinflated, which tire is hot (relative to others), which tire is low on fuel (if equipped), and if a tire needs to be replaced. The system also reminds the driver to check the pressure of each tire, matching the figure to the psi (pounds per square inch) recommended for the vehicle.

TRAILER SWAY CONTROL

The motions of the vehicle are monitored as it travels, and, if necessary, the system will gently apply the brakes to the trailer or the vehicle to help maintain control.

MIRROR-ACTIVATED HEADLAMPS

Provides an extended view of what's in front of the vehicle to ensure a better view of the road ahead, and avoid collisions.

180-DEGREE CAMERA

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360-DEGREE CAMERA

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ACTIVE PARK ASSIST

This technology helps take the angst out of parallel parking, with the simple press of a button. The system will then automatically steer the vehicle into an appropriate parallel parking spot and automatically engage the brakes.

HILL DESCENT CONTROL

When descending steep grades on various surface conditions, the driver can set the speed on the control panel and the system will adjust the speed automatically using the accelerator, gearshift and brakes.

ENHANCED ACTIVE PARK ASSIST

Ultrasonic sensors help make getting into and out of virtually all parking spaces easier. Horizontal, vertical, angled, diagonal, and parallel spaces are all covered. A confidence booster for drivers changing lanes or backing out of a parking space.

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AUTOLAMP

When the exterior lighting control is set in the Autolamp position, the headlamps will turn on automatically when necessary to help the driver maintain control of the vehicle and the trailer.

BLIS (BLIND SPOT INFORMATION SYSTEM) WITH CROSS-TRAFFIC ALERT

Blind Spot Information System (BLIS) alerts when the sensors detect a vehicle in a blind spot (a light illuminates on the sideview mirror). Cross-Traffic Alert warns when the vehicle has traffic behind it when the vehicle is in Reverse, such as when backing out of a parking space (a light illuminates on the sideview mirror and chimes sound in the cabin).

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LANE-KEEPING SYSTEM™

The system helps the driver keep the vehicle in the driver’s intended lane by comparing vehicle position to the lane centerline and taking corrective action as needed to help maintain lane position. lane keeping assists drivers in steering their way back to the lane after a brief departure from the lane centerline. a lane departure alert may indicate lane departure, allowing drivers to make a correction preventively. lane keeping alerts drivers if the vehicle is headed toward a solid or dashed line in its lane, a solid line in the adjacent lane, a marked edge of the road, or an object in the oncoming path.

PRE-COLLISION ASSIST WITH Pedestrian DETECTION

With the help of a forward-facing camera, the system monitors traffic conditions and warns the driver of potential frontal collisions, including detection of nearby pedestrians. when a pedestrian or other object is detected, if needed, brake support can be provided by braking the vehicle at a maximum of 20 miles per hour. it can also provide steering support to help keep the vehicle in its lane, even though the driver may have taken their foot off the accelerator pedal.

BRAIN-SENSING WINDSHIELD WIPERS

Once set, they automatically turn on and adjust the size of wiper action—depending on the rain, snow or sleet detected on the windshield. while slowly backing up, ultrasonic sensors on the rear bumper can help detect certain objects up to 6 feet behind the vehicle, including a vehicle or pedestrian in front. when a potential object is detected, brake support can be provided by slowing the vehicle at a maximum of 20 miles per hour.

REVERSE SENSING SYSTEM

This factory-installed controller synchronizes the vehicle and electric trailer brakes. it includes guided alignment, a brake controller display, output for low gear and a command connection or a trailer disconnect.

This transparent leveling element embedded in the windshield helps clear snow, ice and fogging, reducing the need to scrape or run a wiper. The system helps reduce the amount of moisture (rain, sleet or snow) detected on the windshield. Once set, they automatically turn on and adjust the size of wiper action—depending on the rain, snow or sleet detected on the windshield.

DYNAMIC TORQUE VECTORS

Braking is applied to the front inside wheel, which has more grip. so more engine torque goes to the outside wheel, which has less grip. this vectoring sends torque to the inside wheel, helping slow down the vehicle and trailer, when needed – to provide additional levels of traction, especially when hauling a heavy trailer load down steep grades. it downshifts the transmission – even when road surfaces may compromise intention. while accelerating on snow and ice, active engine brake helps slow down the vehicle. with the help of all-wheel drive (awd) to help balance 4wd, engine, transmission and traction-control systems to various situations and road conditions encountered.

TORQUE VECTORING CONTROL (TVC)

Operating automatically, it helps keep the vehicle tracking along the down-banked path, even when road surfaces may compromise intention. With asymmetric oversteer or understeer, the system can help correct the yaw angle between the front wheels to enhance cornering agility and improved maneuverability. As a result, more engine torque goes to the outside wheel, which has more grip.
North American Fleet, Lease & Remarketing Operations

Some features discussed may be optional. Vehicles shown may contain optional equipment. Features shown may be offered only in combination with other options or subject to additional ordering requirements or limitations. Select features and packages are shown. Please visit fleet.ford.com for a complete Ordering Guide. Information in this Technologies Guide was developed from Ordering Guides as of July 2017. Following publication of this brochure, certain changes in standard equipment, options and the like, or product delays may have occurred which would not be included in these pages. Ford Motor Company reserves the right to change product specifications at any time without incurring obligations.

Availability of technologies and systems described in this brochure varies by model and trim level. Not all systems are available on all Ford Motor Company vehicles. See your local Ford or Lincoln Dealer for complete details.