




Safety Belt System

 **WARNING:** All safety belt assemblies (including retractors, belt tension sensor [BTS], if equipped, buckles, front seat belt buckle support assemblies [slide bar], if equipped, shoulder belt height adjusters, if equipped, child safety seat tether bracket assemblies, if equipped and attaching hardware) should be inspected after any collision. Ford recommends new safety belt assemblies be installed unless a qualified technician finds the assemblies show no damage and operate correctly. Safety belt assemblies not in use during a collision should also be inspected and new assemblies installed if either damage or incorrect operation is noted.

The Automatic Locking Retractor (ALR) feature of the safety belt retractor must be checked by a qualified technician to verify that the ALR feature for a child seat is functioning correctly, in addition to other checks for correct safety belt system function. A new belt and retractor assembly must be installed if the safety belt assembly's "automatic locking retractor" feature, or any other safety belt function, is not operating correctly when inspected according to the functional inspection procedures in the workshop manual. Failure to install a new belt and retractor assembly could increase the risk of injury in collisions.

 **WARNING:** Each seating position in the vehicle has a specific safety belt assembly which consists of one buckle and one tongue. The safety belt assembly is designed to be used as a pair and is not to be used across seating positions.

 **WARNING:** Never put a rear-facing child seat on the front seat of a vehicle with a passenger airbag. If the airbag deploys, it can hit the back of the child seat with enough force to cause severe personal injury or death to the infant.

 **WARNING:** A forward-facing child safety seat should only be placed in the front seat when it is unavoidable. If you must place a forward-facing child seat in the front, always move the seat as far back as possible, because the force of the deploying front passenger air bag could cause death or serious injury to the infant. If the vehicle is equipped with a passenger airbag deactivation switch, the passenger airbag must be deactivated.

When any new active occupant restraint components are installed, use only the replacement parts specified in the Ford Customer Service Division Master Parts Catalog.

The active restraint system consists of the following:

- Front safety belt buckles, attached to the inboard side of the seats
- Front safety belt retractors and pretensioners, located behind the lower B-pillar trim panels
- Belt tension sensor (BTS), located at the passenger front safety belt anchor point
- Rear safety belt retractors, mounted to the rear package tray (coupe only)
- Rear safety belt retractors, mounted to a stanchion behind the rear seat backrest (convertible only)
- Rear safety belt buckle assemblies, attached to the floor pan
- Rear child safety seat tether anchors, at both seating positions, welded to the underside of the package tray (coupe only)
- Rear lower anchors and tethers for children (LATCH) at both seating positions, attached to the floor pan

Safety Belt Retractor and Pretensioner

The front outboard safety belt retractors use a safety belt pretensioner system. This works in conjunction with the front air bag system and, if equipped, side air bag system. The pretensioner is a pyrotechnic device that removes excess webbing slack from the safety belt. When activated by the restraints control module (RCM), the pretensioner deploys in the retractor, removing excess slack from the lap and shoulder safety belt. The pretensioners are activated when the RCM detects an impact force exceeding a programmed limit.

If the vehicle is involved in a collision that results in deployment of the safety belt pretensioners, a new driver and passenger seat belt system (including safety belt buckle and pretensioners or safety belt retractor and pretensioners, safety belt retractors, safety belts, buckles and height adjusters) must be installed.

For safety belt retractor pretensioner diagnostic information, refer to [Section 501-20B](#).

For safety belt retractor and pretensioner disposal information, refer to [Section 501-20B](#).

Belt Tension Sensor (BTS)

The safety belt tension sensor is part of the passenger front outboard safety belt and retractor assembly and is not serviced separately. The safety belt tension sensor is located at the safety belt anchor point and is used in conjunction with the occupant classification sensor (OCS) system. For additional information, refer to [Section 501-20B](#).

Dual Locking Mode Retractors

⚠️ WARNING: After any vehicle collision, the safety belt system at all outboard seating positions (except driver, which has no automatic locking retractor feature) must be checked by a qualified technician to verify that the automatic locking retractor feature for child seats is still functioning correctly, in addition to other checks for correct safety belt system function. A new belt and retractor assembly must be installed if the safety belt assembly's automatic locking retractor feature or any other safety belt function is not operating correctly when checked according to the procedures in the workshop manual. Failure to install a new belt and retractor assembly could increase the risk of injury in collisions.

NOTE: When replacing a dual locking mode retractor, the retractor should be checked to make sure it is not in the automatic locking retractor (ALR) mode after installation in the stowed position.

All outboard continuous-loop, 3-point retractor systems, except the driver position, are equipped with the dual locking mode system.

The emergency locking retractor (ELR) mode will allow the occupant freedom of movement, locking tight only on hard braking, hard cornering or an impact of approximately 8 km/h (5 mph). The ELR mode helps to reduce the forward movement of the driver and passengers. The ELR mode is continuously in operation at all seating positions.

The ALR portion of this system does not allow the occupant freedom of movement. The ALR mode is used when locking a child seat in an outboard seating position or when a tight belt fit is desired. The ALR mode is automatically engaged when the webbing is fully extracted from the retractor and then allowed to retract. As the webbing is retracted back onto the spool, an audible clicking sound is made indicating the retractor is in ALR mode and the webbing will not pull back out of the retractor. To disengage the ALR mode, let the webbing retract back onto the spool. The ALR mode is disengaged when the webbing is free to move out and back into the retractor.

The automatic locking mode must be used when installing a child safety seat in the front or rear passenger seating positions where dual locking mode retractors are provided.

Energy Management Retractor

This vehicle has a safety belt system with an energy management feature at the front seating positions to help further reduce the risk of injury in the event of a head-on collision.

The energy management retractor feature is designed to pay out webbing in a controlled manner. This feature is designed to help reduce the belt force acting on an occupant's chest.

Safety Belt Warning System

The driver safety belt warning indicator illuminates and a chime sounds to remind the occupants to fasten their safety belts.

The conditions of operation for the driver safety belt warning indicator and chime are as follows:

- If the driver safety belt is not buckled before the ignition switch is turned to ON, then the safety belt warning indicator illuminates for 1 to 2 minutes and the warning chime sounds for 4- to 8-seconds.
- If the driver safety belt is buckled while the warning indicator is illuminated and the warning chime is sounding, then the safety belt warning indicator and warning chime turn off.
- If the driver safety belt is buckled before the ignition switch is turned to ON, the safety belt warning indicator and warning chime will remain off.

Belt Minder

The Belt Minder feature is a supplemental warning to the safety belt warning function. This feature provides an additional reminder to the driver that the driver and/or passenger safety belt is unbuckled by intermittently sounding a chime and illuminating the safety belt warning indicator in the instrument cluster.

The passenger safety Belt Minder feature is activated only when the occupant classification sensor (OCS) system detects a passenger in the right front seat and the passenger weight exceeds a programmed limit. For additional information on the OCS system, refer to [Section 501-20B](#).

To activate or deactivate the Belt Minder feature, refer to [Section 413-01](#).

If...	Then...
The driver and/or passenger safety belt is buckled before the ignition switch is turned to the ON position or less than 1-2 minutes have elapsed since the ignition switch has been turned ON...	The Belt Minder feature will not activate.

If...	Then...
The driver and/or passenger safety belt is not buckled before the vehicle has reached at least 5 km/h (3 mph) and 1-2 minutes have elapsed since the ignition switch has been turned to ON...	The Belt Minder feature is activated — the safety belt warning indicator illuminates and the warning chime sounds for 6 seconds every 30 seconds, repeating for approximately 5 minutes or until the safety belt(s) is buckled.
The driver's or front passenger's safety belt becomes unbuckled for approximately 1 minute while the vehicle is traveling at least 3 mph (5 km/h) and more than 1-2 minutes have elapsed since the ignition switch has been turned to ON...	The Belt Minder feature is activated — the safety belt warning indicator illuminates and the warning chime sounds for 6 seconds every 30 seconds, repeating for approximately 5 minutes or until safety belt(s) is buckled.

Safety Belt Extension

A safety belt that is too short even when fully extended can be lengthened. The safety belt extension (611C22) is available. This assembly will add approximately 20 cm (8 inches) to the length of the safety belt. Use the safety belt extension only if the safety belt is too short when fully extended. Do not use the safety belt extension to alter the fit of the shoulder belt across the torso. Safety belt extensions are available at no cost from any authorized Ford or Lincoln-Mercury dealer.

Lower Anchors and Tethers for Children (LATCH)

The lower anchors and tethers for children (LATCH) system is a standardized and uniform attachment system for installing child safety seats in passenger vehicles. LATCH-equipped child safety seats have 2 lower attachments that connect to the vehicle portion of the LATCH system.

The vehicle portion of the system consists of 2 attachment points (6-mm wires) bolted to the floor pan at both rear seating positions. The attachment points protrude from the bight-line between the seat cushion and seat backrest.

If a child safety seat was in use during a collision, inspect the vehicle portion of the system for damage. If any of the attachment points (6-mm wires) are damaged, a new one must be installed. For additional information, refer to [Child Safety Seat Tether Anchor — LATCH](#) in this section.

Child Safety Seat Tether Anchors

The child safety seat tether anchors on the coupe are located in the rear at both seating locations and are welded to the underside of the package tray.

If the child safety seat tether anchors were in use during a collision, inspect and return the vehicle structure to its original production configuration.

Attaching Safety Seats with Tether Straps

Some manufacturers make child safety seats that include a tether strap that goes over the back of the vehicle seat and attaches to an anchoring point. Other manufacturers offer the tether strap as an accessory. Contact the manufacturer of the child safety seat for information about ordering a tether strap.

Instructions for installing the child safety belt anchor tether kit are included in the kit with the tether attachment.

