

LANE DEPARTURE WARNING (LDW)

WARNING

The Lane Departure Warning (LDW) system is a driving aid only. It remains the driver's responsibility to drive with due care and attention, in a manner which is safe for the vehicle, its occupants and the other road users. The driver should still observe all other road signs, road markings and situations that are not detected or recognized by the LDW system.



The LDW switch is located in the lower switch panel at the driver's side of the facia. Press to disable/enable the LDW system. See **268, DRIVER CONTROLS**.

When enabled, an indicator lamp will illuminate in the Message center to confirm. The vehicle's position within the lane is displayed graphically, in the indicator lamp, with changes to the icon lane colors and to the vehicle's direction.

The LDW system can also be switched off/on via the Instrument panel menu. See **47, INSTRUMENT PANEL MENU**.

Note: When the ignition is switched off and on again, the LDW system settings remain as previously set.

The LDW system uses the forward-facing camera, located in the base of the rear-view mirror.

Note: Make sure the windshield area in front of the rear-view mirror is kept clean and free of obstructions, for example, stickers, debris, mud, snow, ice, etc.

If the vehicle crosses either of the lane markings that it is traveling within, without activation of the appropriate turn signal, the LDW system alerts the driver via the following methods:

- Steering wheel vibration.

- Graphical displays in the Message center.

Note: The LDW system only provides warnings to the driver. It will not assist in changing the direction of the vehicle or operate any of the vehicle's systems.

Note: The LDW system will not detect unmarked edges of the road.

The sensitivity of the LDW system can be adjusted between **High Sensitivity** or **Normal Sensitivity** via **Driving Assistance** in the Instrument panel menu. See **47, INSTRUMENT PANEL**.

When set at **Normal Sensitivity**, the LDW system suppresses any warnings, if driver intervention is detected, as follows:

- Operation of the accelerator pedal.
- Significant movement of the steering wheel.
- Operation of the brakes.
- Activation of the appropriate turn signal.

When set at **High Sensitivity**, the LDW system does not suppress any warnings, if driver intervention is detected (unless the appropriate turn signal is activated).

If the LDW system detects a fault or is not available, then the General warning/information message (amber) is displayed in the Message center. See **55, GENERAL WARNING/INFORMATION MESSAGE (AMBER)**.

Lane Departure Warning limitations

- When set at **High Sensitivity**, LDW is active between 30 mph (50 km/h) and 112 mph (180 km/h).
- When set at **Normal Sensitivity**, LDW is active between 40 mph (60 km/h) and 112 mph (180 km/h).
- The lane in use must be wider than 8.2 ft (2.5 m).
- No warning given if the correct turn signal is active.
- Not active in off-road conditions.

The performance of the LDW system may also be affected in the following conditions:

- Driving in adverse conditions. For example, heavy fog, rain, snow, etc.
- Driving over worn, damaged or temporary lane markings, for example, road works, etc.
- Driving towards very bright lights/lamps.
- Driving very close to another vehicle.
- Tight deviations of the roads and their gradients.

LANE KEEPING ASSIST (LKA)

WARNING

Lane Keeping Assist (LKA) is a driving aid only. It remains the driver's responsibility to drive with due care and attention, in a manner which is safe for the vehicle, its occupants and the other road users. The driver should still observe all road markings.

LKA is an enhancement of the Lane Departure Warning (LDW) system and is available only if LDW is fitted. It helps to keep the vehicle in the current roadway lane, e.g., while driving on a highway. When the vehicle drifts too close to lane markings on either side, without the turn signals being used, a gentle rotational force is automatically applied to the steering wheel. This can be felt by the driver and it indicates that a steering correction should be made. The rotational force can be overridden to make a lane change without use of the turn signals. When an override is made, and a lane change is taken without use of the turn signals, LDW alerts will be triggered. See **96, LANE DEPARTURE WARNING (LDW)**.

When LDW is switched on, LKA can be selected via **Driver Assistance** in the Instrument panel menu. The sensitivity of the steering wheel rotational force can be adjusted via **LKA Settings, Sensitivity**, then select **High Sensitivity** or **Normal Sensitivity**.

When the ignition is switched off and on again, the last choice of LDW/LKA is reinstated.

NOTICE

Low tire pressure and/or steering tracking out of alignment will affect LKA, as both of these conditions may apply a condition where constant steering adjustment is required.

LKA is disabled when a fault is detected. A message is displayed in the Message center. If the fault does not clear after the ignition is switched off and on again, consult a Retailer/Authorized Repairer.

DRIVER CONDITION MONITORING

The purpose of the Driver Condition Monitoring (DCM) is to evaluate driving technique for signs of driver fatigue. If the system determines the driver is fatigued, the vehicle displays the warning, **Take a break!**, in the Instrument panel for one minute, along with an audible chime. If driving continues for more than 15 minutes after the first warning, without taking a break, a further warning is given. The warning continues until the **OK** button on the steering wheel menu control is pressed.

DCM is always active at vehicle speeds between 37 mph (60 km/h) and 112 mph (180 km/h). DCM can be switched off via **Driver Assistance** in the Instrument panel menu. See **47**, **INSTRUMENT PANEL MENU**.

If the DCM system develops a fault, a double warning icon displays in the Message center. DCM is then unavailable until the problem is rectified. If the fault does not clear after the ignition is switched off and on again, consult a Retailer/Authorized Repairer.

TRAFFIC SIGN RECOGNITION

WARNING

The Traffic sign recognition system is a driving aid only. It remains the driver's responsibility to drive with due care and attention, in a manner which is safe for the vehicle, its occupants and the other road users. The driver should still observe all road signs and road markings.

The Traffic sign recognition system uses the forward-facing camera, located in the base of the rear-view mirror. This detects speed signs, no passing signs and variable overhead speed signs, and displays symbols of the detected signs in the Message center. Traffic signs with extra information (for example, reduced speed limits for wet road conditions) are also detected and compared with the vehicle's systems (for example, rain sensor, wipers, etc.) and may also be displayed in the Message center. Speed limit information from the Navigation system is displayed for roads with no signage.

Note: *If the standard road navigation is not available, the Traffic sign recognition system uses the camera only.*

Note: *Make sure that the windshield area in front of the rear-view mirror is kept clean and free of obstructions, for example, stickers, debris, mud, snow, ice, etc.*

The Traffic sign recognition system can be switched on and off via **Driver Assistance** in the Instrument panel menu. See **47**, **INSTRUMENT PANEL MENU**. The system operates up to a maximum speed of 155 mph (250 km/h).

The 3 basic functions of the Traffic sign recognition system are, as follows:

- **Speed limit detection:** A corresponding sign is displayed in the Message center.
- **Speed alert:** When the vehicle's speed is greater than (or equal to) the detected speed limit, a flashing red ring, around the displayed speed limit sign, is displayed in the Message center.
Speed alert can be switched on/off, or the settings can be adjusted to display three different settings:
 - When the vehicle's speed equals the detected speed limit.

- When the vehicle's speed is 5 mph (10 km/h) above the detected speed limit.
- When the vehicle's speed is 10 mph (20 km/h) above the detected speed limit.
- No passing zone: When a no passing sign is detected, the system also displays a corresponding sign in the Message center.

Note: *The Traffic sign recognition system does not detect road markings or situations with no signage, for example, railway crossings, etc.*

Traffic sign recognition limitations

The system may provide false information or function incorrectly in the following conditions:

- The windshield area in front of the camera is covered by a sticker, fogged over, dirty, covered in snow or mud, etc.
- Traveling in adverse weather conditions. For example, heavy fog, rain, snow, etc.
- Traveling in an area not covered by the Navigation system.
- Driving towards very bright lights/lamps.
- Concealed or covered signage.
- Non-conforming road signs.
- Navigation information incorrect.