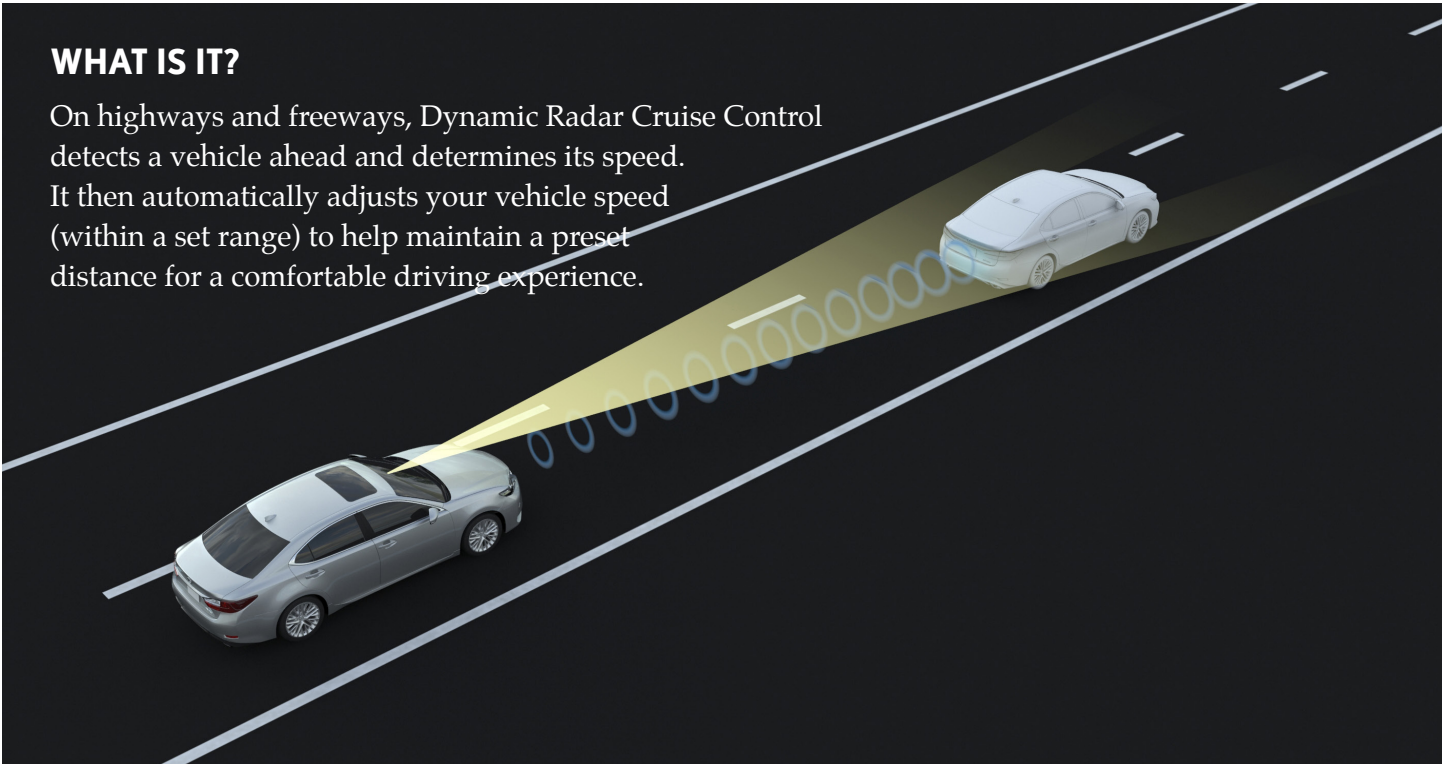


## LEXUS SAFETY SYSTEM + DYNAMIC RADAR CRUISE CONTROL (DRCC)

### WHAT IS IT?

On highways and freeways, Dynamic Radar Cruise Control detects a vehicle ahead and determines its speed. It then automatically adjusts your vehicle speed (within a set range) to help maintain a preset distance for a comfortable driving experience.



### WHAT DOES IT DO?

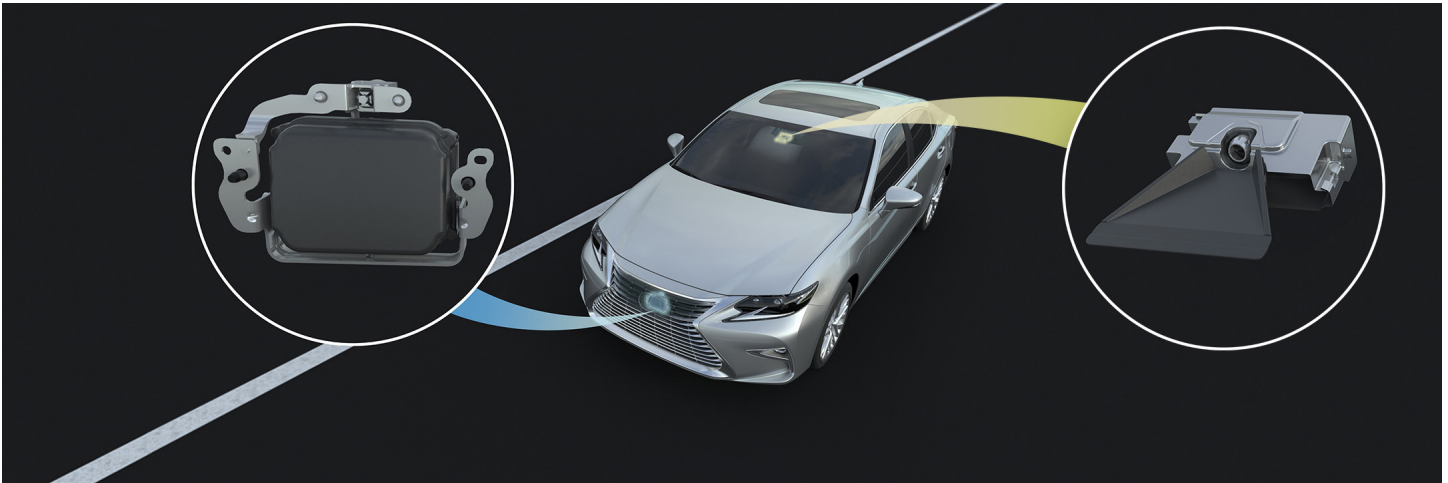
Beyond the functionality of a conventional cruise control system, this system also provides a vehicle-to-vehicle distance control mode. The vehicle automatically accelerates and decelerates to match the speed changes of the vehicle ahead, even if you are not pressing on the accelerator. In constant speed control mode, the system helps the vehicle run at a fixed speed.

### HOW DOES IT WORK?

This mode utilizes a millimeter-wave radar sensor mounted in the grille of the vehicle along with a monocular camera mounted above the rear view mirror. Together, these two precision devices are able to identify and accurately calculate the presence of a vehicle up to approximately 400 ft. ahead under many conditions. The Engine Control Unit (ECU) processes this information, along with the driver's selection of speed and gap, to help maintain a preset distance between vehicles.

*continued...*

## LEXUS SAFETY SYSTEM + DYNAMIC RADAR CRUISE CONTROL (DRCC)



### HOW IS IT CONTROLLED?

- Enable – The system becomes active when cruise control is turned on. Once the system is enabled, the driver will accelerate or decelerate to the desired vehicle speed and push the lever down to set the speed. Cruise control “SET” indicator will come on. The vehicle speed at the moment the lever is released becomes the set speed. Holding the ON/OFF button for 1.5 seconds or more will turn on constant speed control mode.
- Disable –Applying the brakes or pressing the cruise control button will deactivate cruise control.
- Adjustments – Beyond conventional speed adjustments, the vehicle-to-vehicle distance can be adjusted by the selection of a preferred range: Long (default), Medium and Short.

### DRCC HIGH-SPEED

- In vehicle-to-vehicle distance control mode, the vehicle automatically accelerates and decelerates (above approximately 30mph) to match the speed changes of the preceding vehicle even if the accelerator pedal is not depressed. In constant speed control mode, the vehicle runs at a fixed speed under certain conditions.

### DRCC ALL-SPEED

- An all-speed following function has been added to the dynamic radar cruise control system on some models.
- The vehicle is capable of low speed following which includes stop-start driving at speeds between 0-25 mph.
- Since the vehicle can stop under certain conditions, the system reduces driver burden when driving in congested highway traffic.
- When there is no vehicle traveling ahead, the vehicle travels at a constant speed in accordance with the speed setting.
- By implementing following control at a wide variety of vehicle speeds, the system helps alleviate driving fatigue and supports efforts to maintain a calculated distance between vehicles.