

# Delphi Smart Cruise Control with Headway Alert & Stop-and-Go

### ► Description

Smart Cruise Control with Headway Alert and Stop-and-Go helps to reduce the need for drivers to manually adjust speed, manually apply brakes or disengage cruise control when encountering slower or stopping traffic. The system can also alert drivers when slower traffic is detected in the vehicle's path.



Smart Cruise Control uses a mechanically-scanning, 76 GHz FMCW, long range radar sensor to detect objects in the vehicle's path up to 500 feet (152 meters) ahead. Using the vehicle's braking and throttle systems, Smart Cruise Control automatically manages vehicle speed to maintain a time gap (following distance) set by the driver. Driver information displays indicate the cruising speed and driver-selected gap. With the Stop-and-Go feature, Smart Cruise Control manages speed to a fully stopped condition and automatically resumes the set speed when the driver touches the gas pedal. When the Headway Alert system is active, audible and visual alerts warn the driver when braking is necessary to avoid slower moving vehicles ahead. Drivers can adjust system sensitivity to their preferred driving style.

### ► Benefits

- Makes cruise control more useable in most traffic conditions resulting in a more relaxed driving experience
- Helps relieve driver fatigue induced by congested and stop-and-go traffic
- Manages vehicle speed and headway gap using throttle control and limited braking (up to 0.3 g), including fully stopped conditions
- Conveniently manages vehicle speed and headway gap
- Complements vehicle styling
- Operates under a wide range of environmental conditions (dirt, ice, daylight, darkness, rain, and fog)

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### ► Features

- Mechanically-scanning, 76 GHz FMCW radar-based sensing provides best-in-class performance in crowded, multi-vehicle traffic situations
- Best available detection and tracking performance
- Sensor hidden behind front grille or fascia
- Automatic blocked sensor message
- Driver-adjustable system sensitivity
- Self-alignment – simplifies service requirements

Delphi's active safety products are designed to supplement other safety practices by enhancing the driver's awareness of the area in the path of the vehicle. Responsibility for safe operation of the vehicle remains with the driver.