

2013 EyeSight



Quick Reference Guide



What is EyeSight?

EyeSight is a driving support system that uses a range of functions to assist the driver in making decisions in order to provide for more safe and comfortable driving and to reduce driver fatigue. It is designed to help assist drivers, not replace them.

How Does EyeSight Work?

EyeSight uses stereo cameras to process stereo images and identify the vehicle in front, obstacles, traffic lanes and other items. Under the right circumstances, it will apply the brakes or decrease the throttle to help reduce the severity of, or help avoid a collision.

EyeSight Functions

Adaptive Cruise Control and Lead Vehicle Start Alert

This function combines the benefits of Cruise Control with active monitoring of the road ahead by EyeSight, and it issues warnings and activates automatic braking when needed. Adaptive Cruise Control can regulate vehicle speed in order to keep a safe following distance from the car ahead. It does not replace Conventional Cruise Control, which can still be used when desired. Lead Vehicle Start Alert notifies the driver when the vehicle in front has started moving but the EyeSight driver's vehicle has not.

Pre-Collision Braking System

This function can recognize an impending collision with the vehicle or obstacle in front of the EyeSight vehicle, alert the driver and even automatically apply the brakes to help avoid a collision or minimize the impact when a collision is inevitable

Pre-Collision Brake Assist

If EyeSight recognizes an impending collision with the vehicle or obstacle in front of the EyeSight vehicle, and the driver is applying the brakes but not with enough brake pedal force, Pre-Collision Brake Assist automatically applies up to full braking pressure in order to try to shorten braking distances.

Pre-Collision Throttle Management

This function is designed to help prevent drivers from accelerating into a stopped vehicle or other obstacle in front of them. It warns the driver and reduces engine power until he or she applies the brakes to avoid an impact.

Pre-Collision Throttle Management is helpful when:

- The driver inadvertently selects Drive instead of Reverse and starts to accelerate toward a parked car, wall or parking structure.
- Starting to merge onto another road when the vehicle ahead accelerates, but then stops.

Lane Departure Warning and Lane Sway Warning

Lane Departure Warning alerts drivers when they unintentionally move out of their travel lane. It takes no corrective vehicle action other than issuing visual and audible warnings.

Lane Sway Warning acts in a similar way, detecting unusual back and forth vehicle movement within the driver's lane of travel that is usually indicative of a drowsy driver.

Steering Wheel Controls



INFO/SET switch

Use the arrows above and below to set or view information on various functions in the multi information display.

Cruise Control switch

Press to turn Adaptive Cruise Control on or off.

RES/+ switch

Press to resume set speed or to increase set speed while in either Adaptive or Conventional Cruise Control.

SET/- switch

Press to set the current speed or to reduce set speed while in either Adaptive or Conventional Cruise Control.

CANCEL switch

Press to cancel the Cruise Control.

Following Distance Setting switch

- Press to change the following distance setting while using Adaptive Cruise Control.
- Press and hold to turn off Adaptive Cruise Control and to switch to Conventional Cruise Control.

Lane Departure Warning and Pre-Collision Braking System OFF Switches



Lane Departure Warning OFF switch

Press and hold this switch to turn off the Lane Departure Warning and the Lane Sway Warning functions.

When these functions are off, the indicator light on the instrument panel illuminates (see below).

Press and hold the button again to turn the functions back on.

Pre-Collision Braking System OFF switch

Press and hold this switch to turn off the Pre-Collision Braking System and the Pre-Collision Throttle Management.

When these systems are off, the indicator light on the instrument panel illuminates (see below).

Press and hold the button again to turn the systems back on.

Indicator OFF Light

When either or both of these indicator lights is illuminated, the function(s) will not be operable.



EyeSight Limitations*

- EyeSight needs time to recognize an object or potential obstacle. When the speed differential with an obstacle in front is greater than approximately 20 mph, it may not be possible to avoid a collision.
- Sun glare, inclement weather or a dirty windshield will hinder EyeSight operation. A cracked windshield, oil film on the glass or reflections may impede EyeSight performance. In these conditions, EyeSight may not operate properly and EyeSight may temporarily stop operating.
- EyeSight may not recognize low-contrast objects, those with regularly spaced patterns, no pattern, horizontal lines, backlit objects, very small objects (less than 3 feet tall) or non-standard shaped vehicles, such as cement mixers or car-carrier trucks.
- Non-approved aftermarket vehicle accessories, such as hood protectors, and water-repellent glass coatings should not be used with EyeSight-equipped vehicles. EyeSight may not operate properly and EyeSight may temporarily stop operating.

*Please refer to the disclaimer information on the back cover.

Stereo Cameras Precautions

The stereo camera lenses are precision components. When the system detects that the stereo camera lenses are dirty, no EyeSight functions will be activated.

Always observe the following precautions when handling them:

- Do not touch or try to clean the EyeSight camera lenses inside the vehicle. Extra precaution should be used when cleaning the inside of the windshield. Over-spray from cleaners may impair or even damage the cameras' lenses.
- Do not remove or disassemble the stereo cameras.
- Do not change the positions where the stereo cameras are installed or modify any of the surrounding structures.
- Do not install any interior rearview mirror other than a genuine SUBARU rearview mirror (such as a wide-type mirror). Also, use the rearview mirror so it does not obstruct the stereo cameras. Failure to do so may affect the stereo cameras' field of vision and could prevent the EyeSight system from functioning properly.

For more detailed information please consult your EyeSight Owner's Manual.

EyeSight™ is a driver assist system that may not operate optimally under all driving conditions. The driver is always responsible for safe and attentive driving. System effectiveness depends on many factors such as vehicle maintenance, tire condition, and weather and road conditions. See the Owner's Manual for complete details on system operation and limitations.

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MSA5B1315A
Printed in USA 06/12

