Conventional Cruise Control

About Conventional Cruise Control

Conventional Cruise Control is a driving support system intended to allow more comfortable driving on expressways, freeways and interstate highways. It can be used to travel at a constant speed by maintaining the vehicle speed that was set by the driver. Please remember that you should not exceed posted speed limits.

**WARNING**

- When Conventional Cruise Control is functioning, the system does not perform tracking control to maintain following distance, as when using Adaptive Cruise Control.
- Strive for safe driving and operate the brake pedal to decelerate the vehicle as necessary in order to ensure a safe following distance from the vehicle in front.
- Under the following conditions, do not use the Conventional Cruise Control. Doing so may result in an accident.
  - Roads with heavy traffic or roads with sharp curves
    You may fail to drive at a speed that is appropriate for the road conditions, possibly resulting in an accident.
  - Frozen roads, snow-covered roads or slippery road surfaces
    The tires may spin, causing loss of control of the vehicle.
  - Steep downhill grades
    The set vehicle speed may be exceeded.
  - On a steep continuous downhill grade
    The brakes may overheat.

**CAUTION**

When using Cruise Control, be sure to check the EyeSight display area to confirm which Cruise Control mode is selected: Adaptive Cruise Control or Conventional Cruise Control.

- If Adaptive Cruise Control is selected, " " (Adaptive Cruise Control indicator) illuminates.
- If Conventional Cruise Control is selected, " " (Conventional Cruise Control indicator) illuminates.

**NOTE**

- When the (CRUISE) switch is first turned on, the Adaptive Cruise Control is set.
- To change the Cruise Control mode, press and hold the / (following distance setting) switch for approximately 2 seconds or longer. (This is effective only when the main Cruise Control is on and neither Adaptive Cruise Control nor Conventional Cruise Control are set.)
- Conventional Cruise Control can be used even when EyeSight is temporarily turned off.
How to use the Conventional Cruise Control

Conventional Cruise Control can be set when the following conditions are met.
- The selector lever is in the position and the paddle shift is not operated.
- The brake pedal is released.
- The vehicle speed is between approximately 25 MPH (40 km/h) and 90 MPH (145 km/h).

Setting Conventional Cruise Control

(1) Setting the Conventional Cruise Control to standby status.
Press the (CRUISE) switch. At this time, (Adaptive Cruise Control) and the "following distance setting" are displayed on the EyeSight display area of the multi information display. The set vehicle speed display will read "- - MPH".
When the (CRUISE) switch is pressed, the initial cruise control mode is always Adaptive Cruise Control.

If the switch is pressed once more, the EyeSight display will turn off. It will also automatically turn off when the engine is stopped.
(2) Switch to Conventional Cruise Control.
Press and hold the / (following distance setting) switch for approximately 2 seconds or longer to switch from Adaptive Cruise Control to Conventional Cruise Control. A buzzer sounds 1 short beep.
At this time, the following distance setting indicator on the EyeSight display area of the multi information display turns off and \( \text{(Conventional Cruise Control)} \) is displayed.

To set the ready status:
Conventional Cruise Control can be set when all of the following conditions are met and \( \text{READY} \) is displayed on the EyeSight display area.
- All doors (except the rear gate/trunk) are closed.
- The driver’s seatbelt is fastened.
- The electronic parking brake is not engaged (The brake system warning light is turned off.).
- The selector lever is in the \( \text{P} \) position, and the paddle shift is not operated.
- The brake pedal is not depressed.
- EyeSight operation is not temporarily stopped.
\( \Rightarrow \) Refer to page 87.
- The road is not on a steep slope.
- The steering wheel has not been turned significantly in either direction.
- The X-mode is not turned on.
- The vehicle speed is between approximately 25 MPH (40 km/h) and 90 MPH (145 km/h).

(3) Control the accelerator pedal to reach the desired speed.
(4) When the vehicle speed is between approximately 25 MPH (40 km/h) and 90 MPH (145 km/h), press the RES/SET switch to the "SET/-". The vehicle speed at the time the switch is pressed becomes the set vehicle speed, and constant-speed driving is engaged. SET and the set vehicle speed are displayed on the EyeSight display area.

**WARNING**

The “brake more” warning will not activate while Conventional Cruise Control is functioning.

**CAUTION**

During Conventional Cruise Control use, accelerator and brake control to track the vehicle in front is not performed. Operate the accelerator and brake pedals as necessary.

**NOTE**

- On a downhill grade, automatic braking may operate in order to maintain the set vehicle speed.
- When driving on a curve, the vehicle may not accelerate, or may decelerate, even if the set speed is higher than the current vehicle speed.
- To return to Adaptive Cruise Control use, cancel the Conventional Cruise Control and then briefly press the / (following distance setting) switch.
Increasing the set vehicle speed

The following two methods can be used to increase the set vehicle speed.

- Using the RES/SET switch
  Push the RES/SET switch in the following way while you are driving with Conventional Cruise Control on:
  - Push the RES/+ switch towards the position (1) briefly: the set vehicle speed will increase in increments of 1 MPH (1 km/h) every time the button is pushed.
  - Push the RES/+ switch towards the position (1) for longer: the set vehicle speed will increase in increments of 1 MPH (1 km/h) while the button is being pushed.
  - Push the RES/+ switch towards the position (2) briefly: the set vehicle speed will increase to the next 5 MPH (5 km/h) increment every time the button is pushed.
  - Push the RES/+ switch towards the position (2) for longer: the set vehicle speed will increase to the next 5 MPH (5 km/h) increment while the button is being pushed and will continue to advance target speed in 5 MPH (5 km/h) increments as long as the button is pushed.

  The set vehicle speed is shown on the EyeSight display area.

- Using the accelerator pedal
  Operate the accelerator pedal to increase the vehicle speed.
  When the desired speed is reached, press the RES/SET switch to the "SET/−". When the switch is released, the new vehicle speed is set.
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■ Decreasing the set vehicle speed

● Using the RES/SET switch

Push the RES/SET switch in the following way while you are driving with Conventional Cruise Control on:

- Push the SET/- switch towards the position (1) briefly: the set vehicle speed will decrease in increments of 1 MPH (1 km/h) every time the button is pushed.
- Push the SET/- switch towards the position (1) for longer: the set vehicle speed will decrease in increments of 1 MPH (1 km/h) while the button is being pushed.
- Push the SET/- switch towards the position (2) briefly: the set vehicle speed will decrease to the next 5 MPH (5 km/h) decrement every time the button is pushed.
- Push the SET/- switch towards the position (2) for longer: the set vehicle speed will decrease to the next 5 MPH (5 km/h) decrement while the button is being pushed and will continue to lower target speed in 5 MPH (5 km/h) decrements as long as the button is pushed.

The set vehicle speed is shown on the EyeSight display area.

● Using the brake pedal

(1) Depress the brake pedal to decrease the vehicle speed. (Conventional Cruise Control will be canceled and will be turned off.)

(2) When the desired speed is reached, press the RES/SET switch to the “SET/-”. The speed at the time of pressing the switch will be set as the new vehicle speed, and it appears in the EyeSight display area.

■ Accelerating temporarily

Depress the accelerator pedal to accelerate temporarily.

When the accelerator pedal is released, the vehicle returns to the set vehicle speed.
■ Decelerating temporarily

Depress the brake pedal to decelerate temporarily. When the brake pedal is depressed, Conventional Cruise Control will be canceled. While the set vehicle target speed remains displayed on the EyeSight display area, SET will be turned off.

Release the brake pedal and press the RES/SET switch for “RES/+” to reset the set vehicle target speed.

■ Canceling Conventional Cruise Control

○ Manual Cancellation by the driver

Any of the following operations will cancel Conventional Cruise Control.

- Depress the brake pedal. SET will be turned off while the set vehicle target speed remains displayed on the EyeSight display area.
- Press the CRUISE switch. SET will be turned off while the set vehicle target speed remains displayed on the EyeSight display area.

When the CRUISE switch is pressed again, the will be turned off and Conventional Cruise Control will be turned off.
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**Automatic cancellation by the system**

In the following cases, a buzzer sounds a single long beep and the Cruise control function is automatically canceled (OFF is displayed on the EyeSight display area.). After the conditions listed below have been eliminated, perform the cruise control set operation again to reactivate cruise control.

- The select lever was moved to a position other than.
  The cruise control function can be used again after the lever is returned to the position.
- A paddle shift switch was operated during driving with the lever in the position.
  The cruise control function can be used again after the shift indicator returns to.
- Vehicle speed drops to approximately 20 MPH (30 km/h) or less (due to a steep uphill grade or some other reason).
- The X-mode is turned on (the X-mode indicator light illuminates).
  - Cruise control can be resumed after the X-mode is turned off.
- Vehicle speed rises to approximately 100 MPH (160 km/h) or more.
- The ABS, Vehicle Dynamics Control or Traction Control functions activate.
- Any door (except the rear gate/trunk) was opened.
- The driver’s seatbelt is unfastened.
- The Electronic Parking Brake is engaged (When the brake system warning light is illuminated or flashing).
- When the EyeSight system has a malfunction. (EyeSight Warning indicator: Yellow) is turned on.)
- The steering wheel is turned significantly in either direction.
- The grade of the road is steep.
- The Pre-Collision secondary braking has activated.

**WARNING**

Do not use Conventional Cruise Control on slippery roads. Doing so may result in an accident.
CAUTION

When shifting the selector lever to the \textbf{N} position, Adaptive Cruise Control will be automatically canceled. Do not shift the lever to the \textbf{N} position unless it is an emergency. Otherwise the engine brake may not operate, which could cause an accident.

NOTE

• If EyeSight is malfunctioning, the EyeSight warning indicator is displayed on the multi information display and the Pre-Collision Braking System OFF indicator light and Lane Departure Warning OFF indicator light illuminate. If this occurs, stop the vehicle in a safe location and then stop the engine and restart it. If the indicators remain illuminated after restarting the engine, Conventional Cruise Control cannot be used. This will not interfere with ordinary driving; however the system should be inspected by a SUBARU dealer as soon as possible.

⇒ Refer to page 86.

• When operation of Conventional Cruise Control has been automatically canceled, perform the set operation again after the condition that caused the cancellation has been eliminated. If cruise control cannot be set even after the condition has been corrected, EyeSight may be malfunctioning. This will not interfere with ordinary driving; however the system should be inspected by a SUBARU dealer as soon as possible.
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■ Resuming a vehicle speed that was previously stored

A vehicle speed that has been previously set is stored in memory*. To recall and set that vehicle speed, press the RES/SET switch to the "RES/+". (The EyeSight display area shows the set condition again.)
Resume is possible when a vehicle speed was previously set, and the current vehicle speed is approximately 20 MPH (30 km/h) or more.

NOTE

* The vehicle speed stored in memory is erased at the following times:
  - The cruise control is turned off by pressing the CRUISE switch.
  - Either vehicle Dynamics Control or Traction Control Function has been activated.
  - The cruise control mode was switched from Conventional Cruise Control to Adaptive Cruise Control.

• The vehicle will drive at a constant speed that was set between approximately 25 MPH (40 km/h) and 90 MPH (145 km/h).
• If there is no vehicle speed in the memory (a previously set vehicle speed), the vehicle speed cannot be resumed by depressing the RES/+ switch.