



## Subaru Outback

Standard Safety Equipment

2021



### Adult Occupant



88%

### Child Occupant



89%

### Vulnerable Road Users



84%

### Safety Assist



95%

## SPECIFICATION

Tested Model	Subaru Outback 2.5i-L EyeSight 4x4, LHD
Body Type	- 5 door estate
Year Of Publication	2021
Kerb Weight	1649kg
VIN From Which Rating Applies	- all Outbacks
Class	Large Family Car

## SAFETY EQUIPMENT

	Driver	Passenger	Rear
FRONTAL CRASH PROTECTION			
Frontal airbag	●	●	—
Belt pretensioner	●	●	●
Belt loadlimiter	●	●	●
Knee airbag	●	✘	—
LATERAL CRASH PROTECTION			
Side head airbag	●	●	●
Side chest airbag	●	●	✘
Side pelvis airbag	●	●	✘
Centre Airbag	✘	✘	✘

## SAFETY EQUIPMENT (NEXT)

	Driver	Passenger	Rear
<b>CHILD PROTECTION</b>			
Isofix	—	✗	●
Integrated CRS	—	✗	✗
Airbag cut-off switch	—	●	—
<b>SAFETY ASSIST</b>			
Seat Belt Reminder	●	●	●

<b>OTHER SYSTEMS</b>	
Active Bonnet	✗
AEB Vulnerable Road Users	●
AEB Pedestrian - Reverse	●
AEB Car-to-Car	●
Speed Assistance	●
Lane Assist System	●

**Note: Other equipment may be available on the vehicle but was not considered in the test year.**

- Fitted to the vehicle as standard   
 ○ Fitted to the vehicle as part of the safety pack  
○ Not fitted to the test vehicle but available as option or as part of the safety pack   
 ✗ Not available   
 — Not applicable

**ADULT OCCUPANT**

Total 33.6 Pts / 88%

■ GOOD   
 ■ ADEQUATE   
 ■ MARGINAL   
 ■ WEAK   
 ■ POOR

Frontal Impact 13.8 / 16 Pts

Mobile Progressive Deformable Barrier      Full Width Rigid Barrier

Lateral Impact 14.0 / 16 Pts

Side Mobile Barrier      Side Pole      Far-Side Excursion      Occupant Interaction

Rear Impact 3.8 / 4 Pts

Rear Seat      Front Seat

## ADULT OCCUPANT

Total 33.6 Pts / 88%

■ GOOD   
 ■ ADEQUATE   
 ■ MARGINAL   
 ■ WEAK   
 ■ POOR

Rescue and Extrication		2.0 / 2 Pts
Rescue Sheet	Available, ISO compliant	
Advanced eCall	Available	
Multi Collision Brake	Available	

## Comments

The passenger compartment of the Outback remained stable in the frontal offset test. Dummy numbers showed good protection of the knees and femurs of both the driver and passenger. Subaru showed that a similar level of protection would be provided to occupants of different sizes and to those sitting in different positions. Dummy readings of the driver's chest compression indicated marginal protection for this body area. Analysis of the deceleration of the impact trolley during the test, and analysis of the deformable barrier after the test, revealed that the Outback would be a moderately benign impact partner in a frontal collision. Apart from the rear passenger's chest, protection of which was marginal, all critical body regions of both occupants were well protected. In the side barrier test, protection of all critical body areas was good and the car scored maximum points in this part of the assessment. In the more severe side pole impact, protection of all critical body areas was good and the car scored maximum points. The Outback is not equipped with a far-side counter-measure such as a centre airbag. Tests showed excursion (the extent to which an occupant is thrown to the other side of the car in a side impact) was adequately controlled. Tests on the front seats and head restraints demonstrated good protection against whiplash injuries in the event of a rear-end collision. A geometric analysis of the rear seats also indicated good whiplash protection. The Outback has a post-collision braking system, designed to prevent secondary impacts, and an advanced eCall which automatically alerts the emergency services in the event of a serious accident.

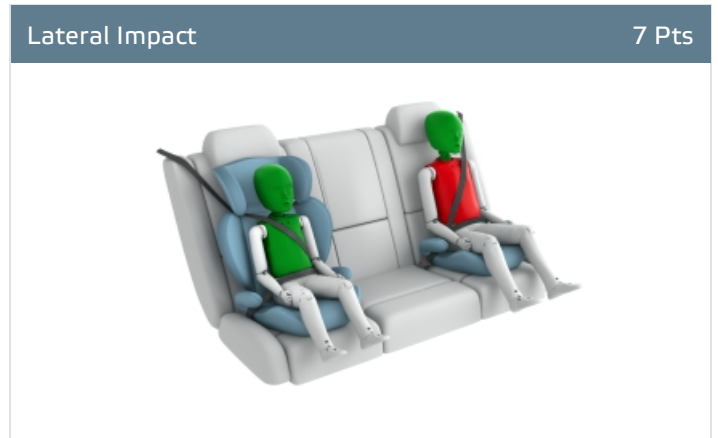
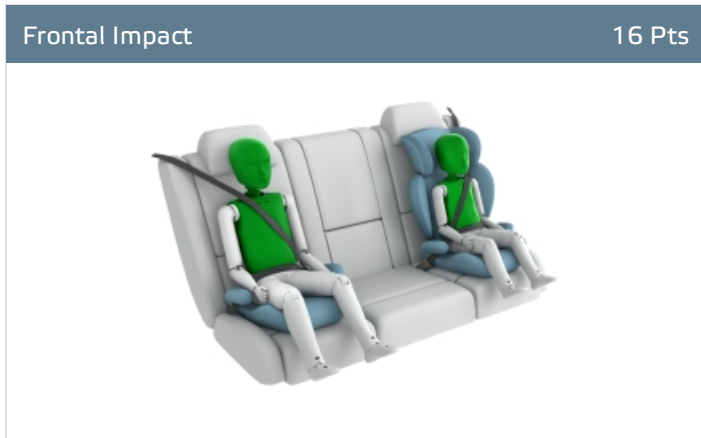
**CHILD OCCUPANT**

Total 44 Pts / 89%

GOOD
  ADEQUATE
  MARGINAL
  WEAK
  POOR

Crash Test Performance based on 6 & 10 year old children

23.0 / 24 Pts



Restraint for 6 year old child: *Britax Römer Kidfix*  
 Restraint for 10 year old child: *GRACO Booster*

**Safety Features**

9.0 / 13 Pts

	Front Passenger	2nd row outboard	2nd row center
Isofix	✘	●	✘
i-Size	✘	●	✘
Integrated CRS	✘	✘	✘

Fitted to test car as standard
  Not on test car but available as option
 ✘ Not available

CRS Installation Check

12.0 / 12 Pts

- Install without problem
- Install with care
- Safety critical problem
- ✗ Installation not allowed

■ i-Size CRS

Maxi Cosi 2way Pearl & 2wayFix (i-Size)



Maxi Cosi 2way Pearl & 2wayFix (i-Size)



BeSafe iZi Kid X2 i-Size (i-Size)



Britax Römer TriFix2 i-Size (i-Size)



BeSafe iZi Flex FIX i-Size (i-Size)



■ ISOFIX CRS

BeSafe iZi Combi X4 ISOfix (ISOFIX)



Cybex Solution Z i-Fix (ISOFIX)



 CHILD OCCUPANT

Total 44 Pts / 89%

■ Universal Belted CRS

Maxi Cosi Cabriofix (Belt)



Maxi Cosi Cabriofix & EasyFix (Belt)



Britax Römer King II LS (Belt)



Cybex Solution Z i-Fix (Belt)





## CHILD OCCUPANT

Total 44 Pts / 89%

	Seat Position			
	Front	2nd row		
	PASSENGER	LEFT	CENTER	RIGHT
Maxi Cosi 2way Pearl & 2wayFix (i-Size)	—	●	—	●
Maxi Cosi 2way Pearl & 2wayFix (i-Size)	—	●	—	●
BeSafe iZi Kid X2 i-Size (i-Size)	—	●	—	●
Britax Römer TriFix2 i-Size (i-Size)	—	●	—	●
BeSafe iZi Flex FIX i-Size (i-Size)	—	●	—	●
BeSafe iZi Combi X4 ISOfix (ISOFIX)	—	●	—	●
Cybex Solution Z i-Fix (ISOFIX)	—	●	—	●
Maxi Cosi Cabriofix (Belt)	●	●	●	●
Maxi Cosi Cabriofix & EasyFix (Belt)	●	●	✘	●
Britax Römer King II LS (Belt)	●	●	●	●
Cybex Solution Z i-Fix (Belt)	●	●	●	●

● Install without problem    
 ● Install with care    
 ● Safety critical problem    
 ✘ Installation not allowed

— Not available

## Comments

In the frontal offset test, the Outback provided good protection to all critical body regions of both the 6 and 10 year dummies. However, in the side barrier test, protection of the chest of the 10-year dummy was rated as poor, based on high decelerations recorded during the impact, although all other body regions were well protected. The Outback is equipped with an automatic passenger airbag disabling system. Sensors detect whether a person is sitting in the seat, and leave the airbag enabled, or a CRS is fitted, in which the airbag is disabled. The system was shown to work robustly and was rewarded. All of the restraint types for which the Outback is designed could be properly installed and accommodated in the car.

 **VULNERABLE ROAD USERS**

Total 45.4 Pts / 84%

GOOD
  ADEQUATE
  MARGINAL
  WEAK
  POOR

Pedestrian

30.7 / 36 Pts



Head Impact	18.7 Pts
Pelvis Impact	6.0 Pts
Leg Impact	6.0 Pts

Vulnerable Road Users


14.7 / 18 Pts

System Name	EyeSight
Type	Auto-Brake with Forward Collision Warning
Operational From	1 km/h

 VULNERABLE ROAD USERS

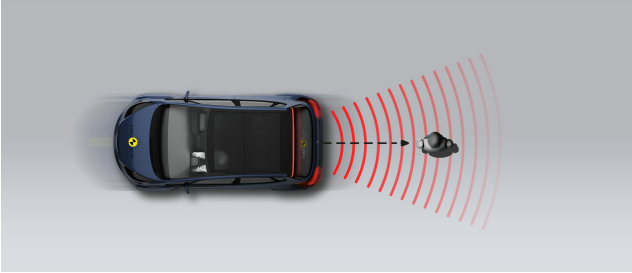
Total 45.4 Pts / 84%

AEB Pedestrian

 7.0 / 9 Pts

■ Day time

Vehicle reversing into standing pedestrian



Pedestrian crossing a road into which a car is turning



Adult crossing the road



Child running from behind parked vehicles



Adult along the roadside

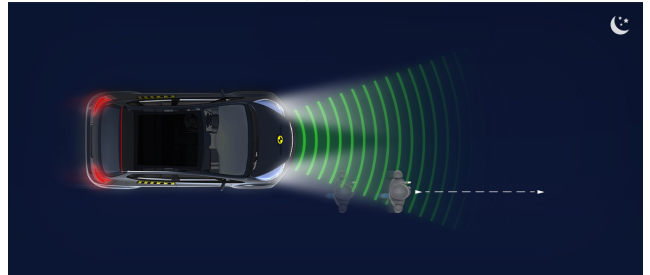


■ Night time

Adult crossing the road




Adult along the roadside

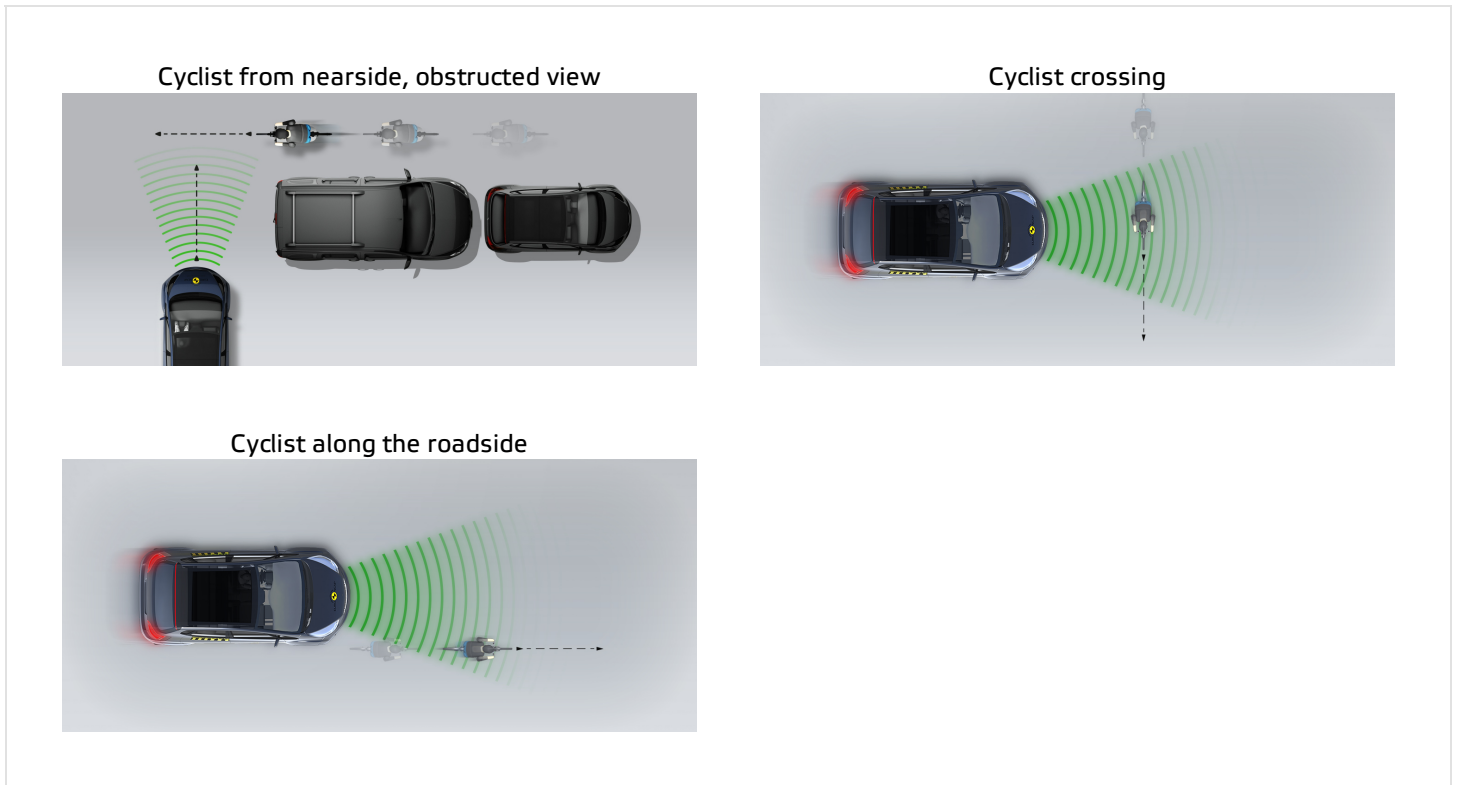


 VULNERABLE ROAD USERS

Total 45.4 Pts / 84%

AEB Cyclist

 7.7 / 9 Pts



Comments

The bonnet provided predominantly good protection to the head of a struck pedestrian, with areas of poor protection recorded only on the stiff windscreen pillars. The bumper offered good protection at all test locations to a pedestrians' legs and protection of the pelvis was also good across the width of the car. The Outback has an autonomous emergency braking (AEB) system which can detect vulnerable road users such as pedestrians and cyclists, as well as other vehicles. In Euro NCAP's tests, the system worked very well, with collisions avoided in most test scenarios. However, the system to avoid reversing collisions with pedestrians did not perform well, and was rated as poor.

SAFETY ASSIST

Total 15.3 Pts / 95%

■ GOOD   
 ■ ADEQUATE   
 ■ MARGINAL   
 ■ WEAK   
 ■ POOR

Speed Assistance

■ 2.5 / 3 Pts

System Name	EyeSight
Speed Limit Information Function	Camera based, subsigns supported
Speed Limitation Function	System advised (accurate to 5km/h)

Occupant Status Monitoring

■ 3.0 / 3 Pts

> Seatbelt Reminder

■ 2.0 / 2 Pts

Applies To	Front and rear seats		
	Driver Seat	Front Passenger(s)	Rear Passenger(s)
Warning			
Visual	●	●	●
Audible	●	●	●
Occupant Detection	—	●	●

● Pass   
 ● Fail   
 — Not available

> Driver Monitoring


■ 1.0 / 1 Pts




System Name	Driver Monitoring System (DMS)
Type	Direct eye monitoring and steering inputs
Operational From	10 km/h

 SAFETY ASSIST


Total 15.3 Pts / 95%

Lane Support

 4.0 / 4 Pts

System Name	EyeSight	
Type	LKA and ELK	
Operational From	50 km/h	
<b>PERFORMANCE</b>		
Emergency Lane Keeping		GOOD
Lane Keep Assist		GOOD
Human Machine Interface		GOOD

AEB Car-to-Car

 5.8 / 6 Pts

System Name	EyeSight	
Type	Autonomous emergency braking and forward collision warning	
Operational From	1 km/h	
Sensor Used	Camera	

 SAFETY ASSIST

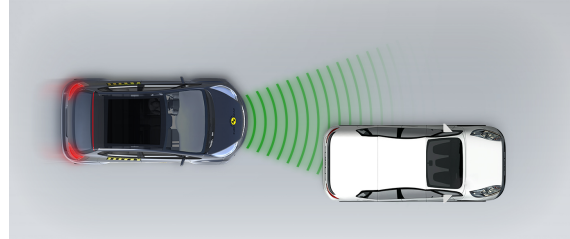
Total 15.3 Pts / 95%

■ Autobrake function only

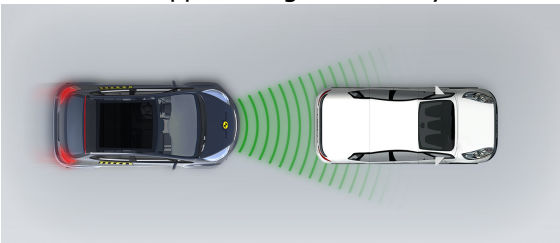
Test car turns across the path of an approaching car



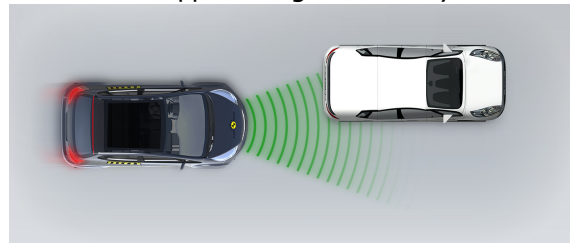
Approaching a stationary car



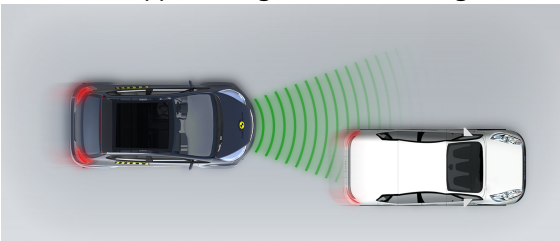
Approaching a stationary car



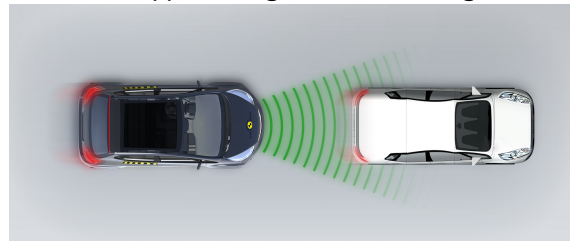
Approaching a stationary car



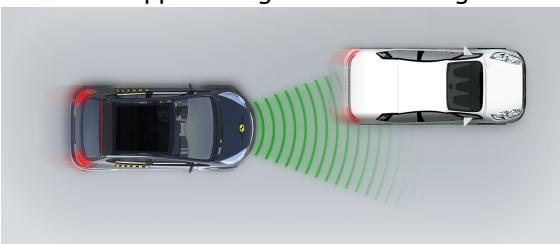
Approaching a slower moving car



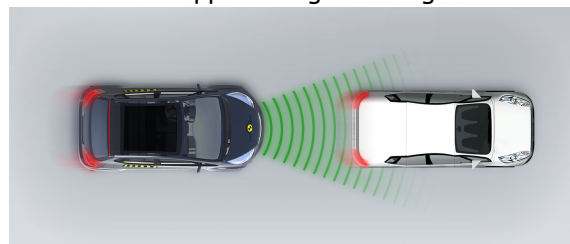
Approaching a slower moving car



Approaching a slower moving car



Approaching a braking car



 SAFETY ASSIST

Total 15.3 Pts / 95%

■ Driver reacts to warning

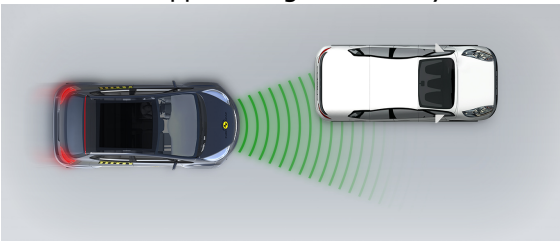
Approaching a stationary car



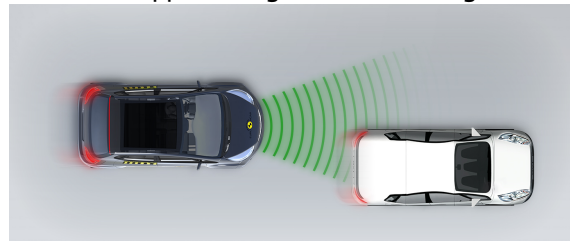
Approaching a stationary car



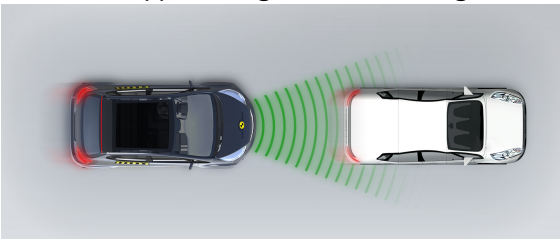
Approaching a stationary car



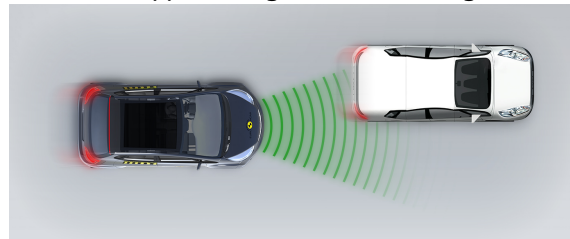
Approaching a slower moving car



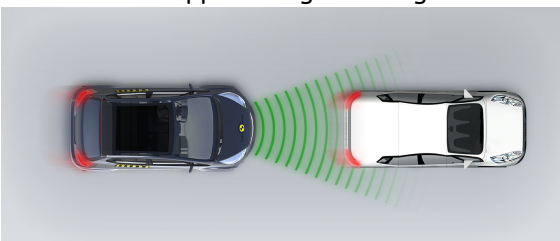
Approaching a slower moving car



Approaching a slower moving car



Approaching a braking car







## SAFETY ASSIST

Total 15.3 Pts / 95%

## Comments

The 2021 Outback has a seatbelt reminder system, including occupant detection in all seating positions, as standard. It is also equipped with a system which monitors the driver's state of alertness, directly, by assessing eye movement, and indirectly, from steering inputs which can provide indications of fatigued or impaired driving. A camera-based lane support system gently corrects the car's path if it is veering out of lane, and also intervenes in some more critical situations. The same camera is used for the speed assistance system, which recognises the local speed limits, allowing the driver to set the limiter appropriately. The AEB system worked well in Euro NCAP's tests, with collisions with other vehicles avoided in most test scenarios.

## RATING VALIDITY

### Variants of Model Range

Body Type	Engine	Model Name/Code	Drivetrain	Rating Applies	
				LHD	RHD
5 door estate	2.5 petrol	2.5i-L EyeSight*	4 x 4	✓	✓
5 door estate	2.5 petrol	2.5i-F EyeSight	4 x 4	✓	✓
5 door estate	2.5 petrol	2.5i-T EyeSight	4 x 4	✓	✓

\*Tested variant

### Annual Reviews and Facelifts

Date	Event	Outcome
September 2021	Rating Published	2021 ★★★★★ ✓