



Porsche Taycan
Standard Safety Equipment

2019



Adult Occupant



85%

Child Occupant



83%

Vulnerable Road Users



70%

Safety Assist



73%

SPECIFICATION

Tested Model	Porsche Taycan 4S Performance Battery, LHD
Body Type	- 4 door saloon
Year Of Publication	2019
Kerb Weight	2162kg
VIN From Which Rating Applies	- all Taycans
Class	Executive Car

 Rating Expired

SAFETY EQUIPMENT

	Driver	Passenger	Rear
FRONTAL CRASH PROTECTION			
Frontal airbag	●	●	✗
Belt pretensioner	●	●	●
Belt loadlimiter	●	●	●
Knee airbag	●	●	✗
SIDE CRASH PROTECTION			
Side head airbag	●	●	●
Side chest airbag	●	●	○
Side pelvis airbag	✗	✗	✗

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

SAFETY EQUIPMENT (NEXT)

	Driver	Passenger	Rear
CHILD PROTECTION			
Isofix/i-Size	—	✗	●
Integrated CRS	—	✗	✗
Airbag cut-off switch	—	●	—
SAFETY ASSIST			
Seat Belt Reminder	●	●	●
OTHER SYSTEMS			
Active Bonnet (Hood)	●		
AEB Pedestrian	●		
AEB City	●		
AEB Cyclist	●		
AEB Inter-Urban	●		
Speed Assistance System	●		
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 32.3 Pts / 85%

GOOD

ADEQUATE

MARGINAL

WEAK

POOR

Frontal Offset Deformable Barrier 7.8 / 8 Pts



Passenger



Driver

Frontal Full Width



Rear Passenger



Driver

Whiplash Rear Impact 1.2 / 2 Pts



Front seat



Rear seat

Lateral Impact



Car



Pole

 ADULT OCCUPANT

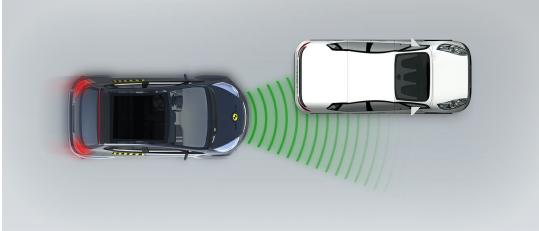
Total 32.3 Pts / 85%

 GOOD ADEQUATE MARGINAL WEAK POOR

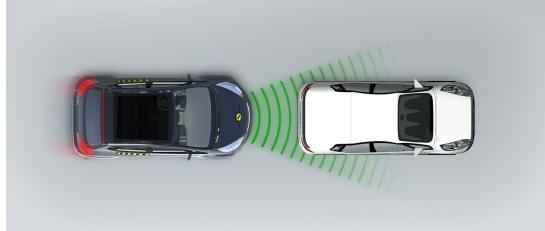
AEB City

 0.0 / 4 Pts

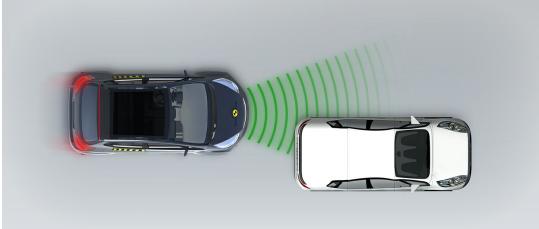
Approaching a stationary car: Left Offset



Approaching a stationary car: No Offset



Approaching a stationary car: Right Offset





ADULT OCCUPANT

Total 32.3 Pts / 85%

Comments

The passenger compartment of the Taycan remained stable in the frontal offset test. Dummy readings indicated good protection of the knees and femurs of the driver and passenger. Porsche showed that a similar level of protection would be provided to occupants of different sizes and to those sitting in different positions. In the full-width rigid barrier test, protection of all critical body areas was good or adequate for both occupants, with the exception of the rear passenger's chest, for which dummy readings of compression indicated a marginal level of protection. In the side barrier impact, protection of all critical body areas was good and the car scored full points in this tests. In the more severe side pole test, protection of the chest was adequate and that of other body areas was good. Tests on the front seats and head restraints demonstrated marginal protection against whiplash injuries in the event of a rear-end collision. A geometric assessment of the rear seats also indicated marginal whiplash protection. The standard-fit autonomous emergency braking (AEB) system performed well in tests of its functionality at the low speeds at which many whiplash injuries occur. However, the Taycan was not awarded the points for these tests as good dynamic performance in the front seats is a prerequisite for AEB scoring.

 CHILD OCCUPANT

Total 41.0 Pts / 83%



Crash Test Performance based on 6 & 10 year old children

23.2 / 24 Pts

Frontal Impact	15.2 Pts	Lateral Impact	8 Pts
			

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

Safety Features 6.0 / 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

11.8 / 12 Pts

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

■ i-Size CRS

Maxi Cosi 2way Pearl & 2wayFix (rearward) (iSize)



Maxi Cosi 2way Pearl & 2wayFix (forward) (iSize)



BeSafe iZi Kid X2 i-Size (iSize)



BeSafe iZi Flex FIT i-Size (iSize)



■ ISOFIX CRS

Maxi Cosi Cabriofix & FamilyFix (ISOFIX)



BeSafe iZi Kid X4 ISOfix (ISOFIX)



Britax Römer Duo Plus (ISOFIX)



Britax Römer KidFix XP (ISOFIX)



 **CHILD OCCUPANT**

Total 41.0 Pts / 83%

■ Universal Belted CRS

Maxi Cosi Cabriofix (Belt)



Maxi Cosi Cabriofix & EasyBase2 (Belt)



Britax Römer King II LS (Belt)



Britax Römer KidFix XP (Belt)


Comments

In the frontal offset test, protection of all critical body areas was good for both dummies except the neck of the 6 year dummy, protection of which was rated as marginal on the basis of tensile forces measured in the dummy. In the side barrier test, protection of all critical body areas was good and the Taycan scored maximum points in this part of the assessment. The front passenger airbag can be disabled to allow a rearward-facing child restraint to be used in that seating position. Clear information is provided to the driver regarding the status of the airbag and the system was rewarded. One universal child restraint could not be positioned stably in the rear centre seat. Otherwise, all of the restraint types for which the Taycan is designed could be properly installed and accommodated in the car.

 CHILD OCCUPANT

Total 41.0 Pts / 83%

	Seat Position			
	Front		2nd row	
	PASSENGER	LEFT	CENTER	RIGHT
Maxi Cosi 2way Pearl & 2wayFix (rearward) (iSize)	—	●	—	●
Maxi Cosi 2way Pearl & 2wayFix (forward) (iSize)	—	●	—	●
BeSafe iZi Kid X2 i-Size (iSize)	—	●	—	●
BeSafe iZi Flex FIT i-Size (iSize)	—	●	—	●
Maxi Cosi Cabriofix & FamilyFix (ISOFIX)	—	●	—	●
BeSafe iZi Kid X4 ISOfix (ISOFIX)	—	●	—	●
Britax Römer Duo Plus (ISOFIX)	—	●	—	●
Britax Römer KidFix XP (ISOFIX)	—	●	—	●
Maxi Cosi Cabriofix (Belt)	●	●	●	●
Maxi Cosi Cabriofix & EasyBase2 (Belt)	●	●	✗	●
Britax Römer King II LS (Belt)	●	●	●	●
Britax Römer KidFix XP (Belt)	●	●	●	●

 Easy

 Difficult

 Safety critical

 Not allowed

 Not available

Comments

In the frontal offset test, protection of all critical body areas was good for both dummies except the neck of the 6 year dummy, protection of which was rated as marginal on the basis of tensile forces measured in the dummy. In the side barrier test, protection of all critical body areas was good and the Taycan scored maximum points in this part of the assessment. The front passenger airbag can be disabled to allow a rearward-facing child restraint to be used in that seating position. Clear information is provided to the driver regarding the status of the airbag and the system was rewarded. One universal child restraint could not be positioned stably in the rear centre seat. Otherwise, all of the restraint types for which the Taycan is designed could be properly installed and accommodated in the car.



VULNERABLE ROAD USERS

Total 33.8 Pts / 70%



VRU Impact Protection

25.1 / 36 Pts



Head Impact	13.1 Pts
Pelvis Impact	6.0 Pts
Leg Impact	6.0 Pts

Vulnerable Road Users

8.8 / 12 Pts

System Name	Warning and Brake Assist
Type	Auto-Brake with Forward Collision Warning
Operational From	10 km/h

Comments

The Taycan has an active, deployable bonnet. Sensors in the bumper detect when a pedestrian has been struck and actuators lift the bonnet surface to provide greater clearance to the stiff structures in the engine compartment. Porsche showed that the system worked robustly for different pedestrian statures and across a wide range of speeds, so tests were performed with the bonnet in the raised position. Protection was good or adequate at almost all test locations on the bonnet. The bumper provided good protection to pedestrians' legs and protection of the pelvis was also good. The Taycan's AEB system can detect vulnerable road users like pedestrians and cyclists, as well as other vehicles. In tests, the system's response to cyclists was good, with collisions avoided or mitigated in most cases, and its response to pedestrians was adequate.



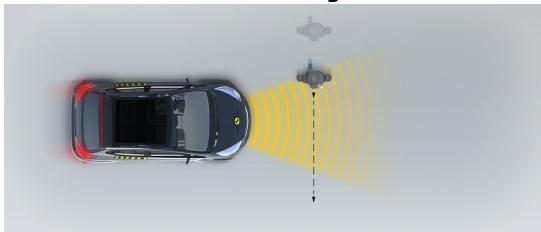
VULNERABLE ROAD USERS

Total 33.8 Pts / 70%

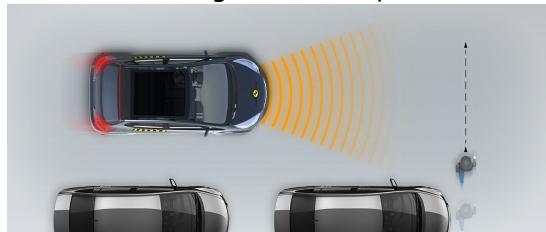
AEB Pedestrian

■ Day time

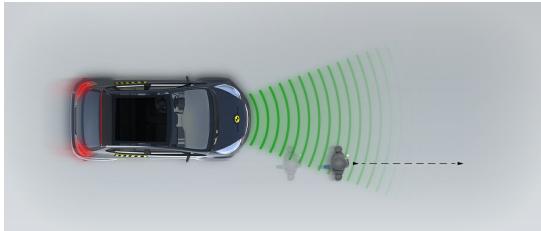
Adult crossing the road



Child running from behind parked vehicles



Adult along the roadside

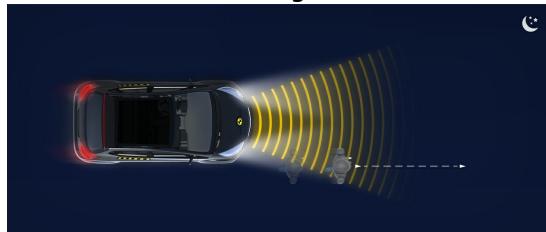


■ Night time

Adult crossing the road



Adult along the roadside

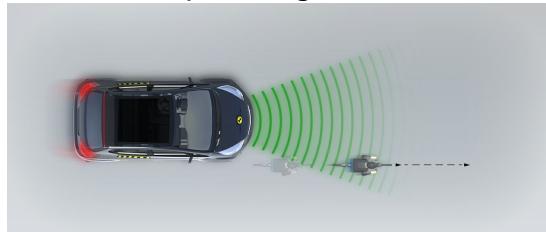


AEB Cyclist

Approaching a crossing cyclist



Cyclist along the roadside



 **SAFETY ASSIST**

Total 9.5 Pts / 73%

 GOOD
 ADEQUATE
 MARGINAL
 WEAK
 POOR
Speed Assistance
 2.7 / 3 Pts

System Name	Traffic Sign Detection
Speed Limit Information Function	Camera & Map
Speed Limitation Function	System advised (accurate to 5km/h)

Seatbelt Reminder
 2.5 / 3 Pts

Applies To	All Seats		
	Driver Seat	Front Passenger(s)	Rear Passenger(s)
Warning			
Visual	●	●	●
Audible	●	●	●
Occupant Detection	—	●	—

● Pass
 ● Fail
 — Not available
Lane Support
 2.3 / 4 Pts

System Name	Lane Keep Assist
Type	LKA (including LDW)
Operational From	65 km/h

PERFORMANCE

Lane Keep Assist	 GOOD
Human Machine Interface	 ADEQUATE

 SAFETY ASSIST

Total 9.5 Pts / 73%

AEB Inter-Urban

 2.1 / 3 Pts

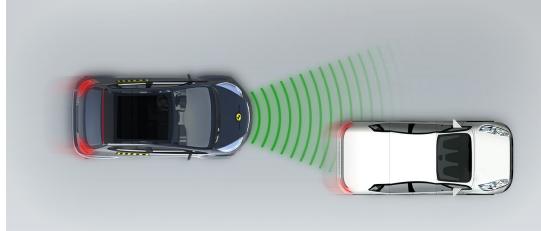
System Name	Warning and Brake Assist
Type	Autonomous Emergency Braking and Forward Collision Warning
Operational From	10 km/h
Additional Information	Supplementary warning

Comments

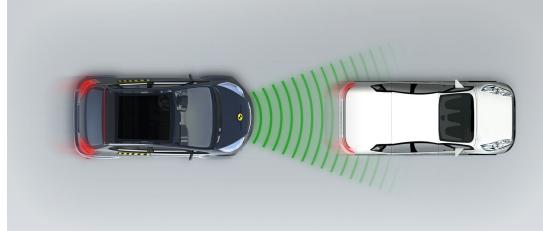
The Taycan has a seatbelt reminder system for the front and rear seats. The AEB system performed adequately in tests of its response to other vehicles at highway speeds. A lane support system helps prevent inadvertent drifting out of lane. A speed assistance system uses a camera and digital mapping to determine the local limit, and presents this information to the driver who can allow the system to adapt the limiter as appropriate.

 Autobrake function only

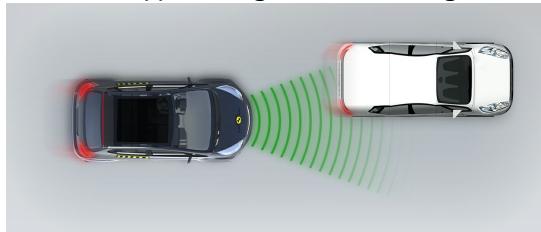
Approaching a slower moving car



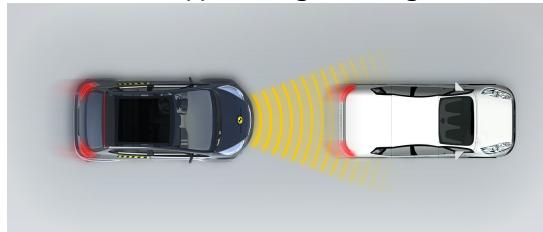
Approaching a slower moving car



Approaching a slower moving car



Approaching a braking car

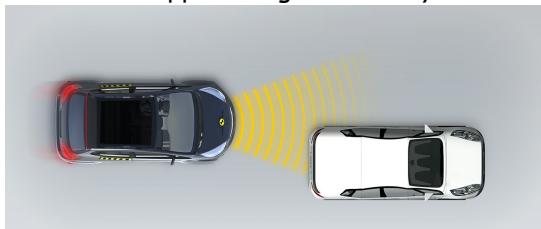


 SAFETY ASSIST

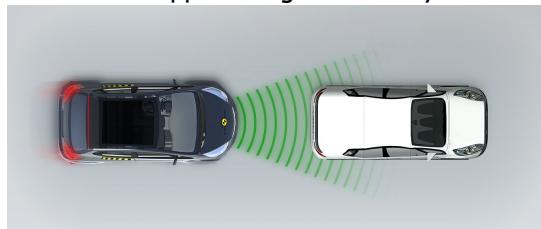
Total 9.5 Pts / 73%

■ Driver reacts to warning

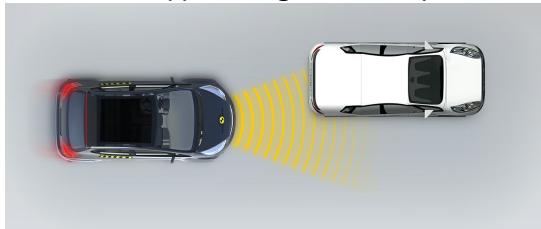
Approaching a stationary car



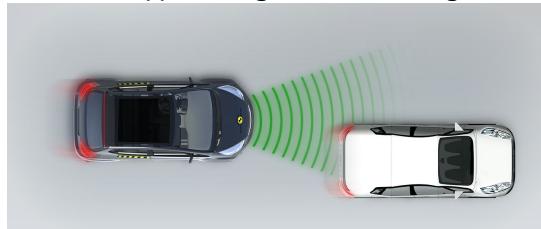
Approaching a stationary car



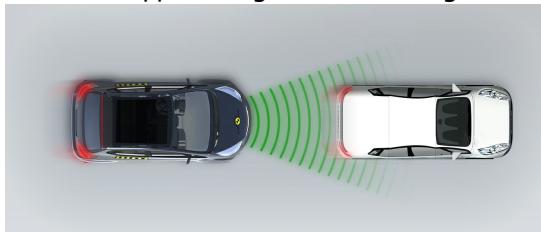
Approaching a stationary car



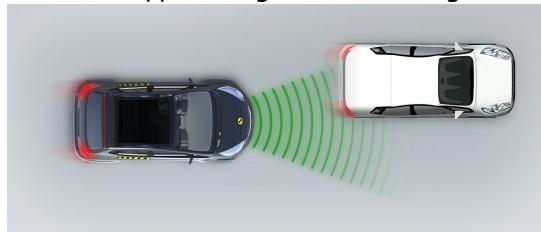
Approaching a slower moving car



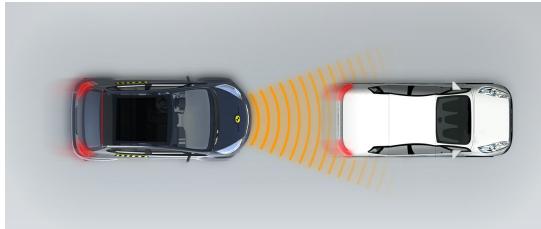
Approaching a slower moving car



Approaching a slower moving car



Approaching a braking car



RATING VALIDITY

Variants of Model Range

Body Type	Engine	Model Name/Code	Drivetrain	Rating Applies	
				LHD	RHD
4 door saloon	Electric	Taycan 4S Performance Battery*	4 x 4	✓	✓
4 door saloon	Electric	Taycan 4S Performance Plus Battery	4 x 4	✓	✓
4 door saloon	Electric	Taycan Turbo	4 x 4	✓	✓
4 door saloon	Electric	Taycan Turbo S	4 x 4	✓	✓

* Tested variant

Annual Reviews and Facelifts

Date	Event	Outcome
December 2019	Rating Published	2019  ✓
December 2020	Annual Review	2019  ✓
December 2021	Annual Review	2019  ✓