



Porsche Cayenne
Standard Safety Equipment

2017 ★★★★★



Adult Occupant



95%

Child Occupant



80%

Pedestrian Impact Protection



73%

Safety Assist



62%

SPECIFICATION

Tested Model	Porsche Cayenne 3.0 diesel, LHD
Body Type	- 5 door SUV
Year Of Publication	2017
Kerb Weight	2169kg
VIN From Which Rating Applies	- all Cayennes
Class	Large Off-Road

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	✘	✘	✘

Version 300419

SAFETY EQUIPMENT (NEXT)

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

OTHER SYSTEMS	
Active Bonnet (Hood)	●
AEB Pedestrian	●
AEB City	●
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 36.2 Pts / 95%

■ GOOD
 ■ ADEQUATE
 ■ MARGINAL
 ■ WEAK
 ■ POOR

Frontal Offset Deformable Barrier 7.2 Pts




Passenger Driver

Frontal Full Width 7.5 Pts




Rear Passenger Driver

Whiplash Rear Impact 2.6 Pts



Front seat Rear seat

Lateral Impact 16 Pts



Car Pole

AEB City 3

Performance: ■ Good

 ADULT OCCUPANT

Total 36.2 Pts / 95%



 GOOD	 ADEQUATE	 MARGINAL	 WEAK	 POOR
--	--	--	--	--

 ADULT OCCUPANT

Total 36.2 Pts / 95%

Comments

The passenger compartment of the Cayenne 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 sat in different positions. In the full-width rigid barrier test, protection was good or adequate for all critical body regions of both dummies except the chest of the rear passenger, protection of which was rated as marginal based on readings of chest compression. In the side barrier test, protection of all critical body areas was good and the Cayenne scored maximum points. Even in the more severe side pole test, protection of the chest was adequate and that of other critical body areas was good. Tests on the front seats and head restraints demonstrated good protection against whiplash injury in the event of a rear-end collision. A geometric assessment of the rear seats also indicated good whiplash protection. The Cayenne has a standard-fit autonomous emergency braking system. Tests of its performance at the low speeds, typical of city driving, at which many whiplash injuries are caused revealed good performance, with impacts avoided at all test speeds.

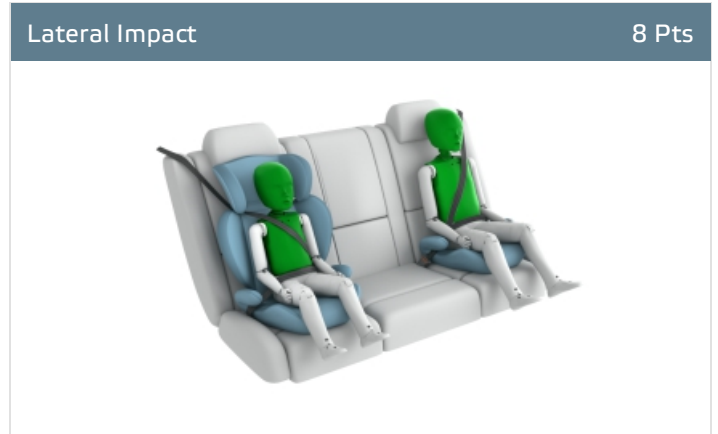
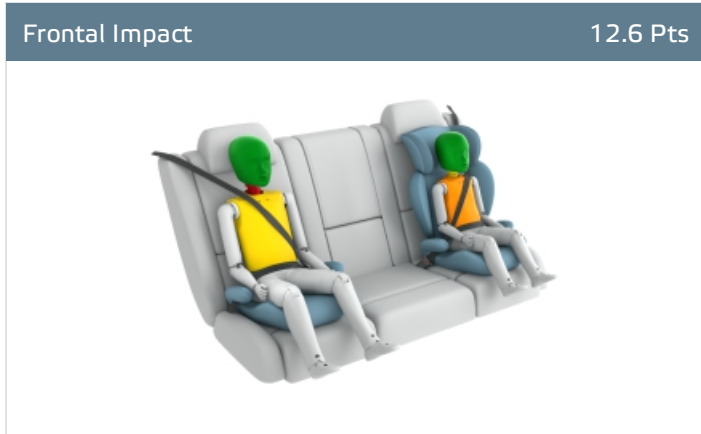
CHILD OCCUPANT

Total 39.6 Pts / 80%

■ GOOD
 ■ ADEQUATE
 ■ MARGINAL
 ■ WEAK
 ■ POOR

Crash Test Performance based on 6 & 10 year old children

20.6 Pts



Restraint for 6 year old child: *Porsche Junior Plus Seat ISOFIX*
 Restraint for 10 year old child: *Osann/Nania Dream*

Safety Features

7 Pts

	Front Passenger	2nd row outboard	2nd row center
Isfix	✗	●	✗
i-Size	✗	●	✗
Integrated CRS	✗	✗	✗

● Fitted to test car as standard
 ○ Not on test car but available as option
 ✗ Not available

CRS Installation Check

12 Pts

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

■ i-Size CRS



CHILD OCCUPANT

Total 39.6 Pts / 80%

ISOFIX CRS

Maxi Cosi Cabriofix & FamilyFix (ISOFIX)



BeSafe iZi Kid X4 ISOfix (ISOFIX)



Britax Römer Duo Plus (ISOFIX)



Britax Römer KidFix XP (ISOFIX)



Universal Belted CRS

Maxi Cosi Cabriofix (Belt)



Maxi Cosi Cabriofix & EasyBase2 (Belt)



Britax Römer King II LS (Belt)



Britax Römer KidFix XP (Belt)



CHILD OCCUPANT

Total 39.6 Pts / 80%

	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)	□	●	□	●
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)	●	●	●	●

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

Comments

In the frontal offset test, protection of the neck of the 10 year dummy was rated as poor, based on dummy readings of tensile forces. In the 6 year dummy, readings of decelerations in the chest of the 6 year dummy led to protection of that body region being rated as marginal. 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. All of the restraint types for which the Cayenne is designed could be properly installed and accommodated in the car.

PEDESTRIAN IMPACT PROTECTION

Total 30.8 Pts / 73%

■ GOOD
 ■ ADEQUATE
 ■ MARGINAL
 ■ WEAK
 ■ POOR

Pedestrian Impact Protection	25.2 Pts						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;">Head Impact</td> <td style="text-align: right; padding: 5px;">19.2 Pts</td> </tr> <tr> <td style="padding: 5px;">Pelvis Impact</td> <td style="text-align: right; padding: 5px;">0 Pts</td> </tr> <tr> <td style="padding: 5px;">Leg Impact</td> <td style="text-align: right; padding: 5px;">6 Pts</td> </tr> </table>	Head Impact	19.2 Pts	Pelvis Impact	0 Pts	Leg Impact	6 Pts
Head Impact	19.2 Pts						
Pelvis Impact	0 Pts						
Leg Impact	6 Pts						

AEB Pedestrian		5.6 Pts
System Name	Porsche Active Safe	
Type	Auto-Brake with Forward Collision Warning	
Operational From	5 km/h	
Additional Information	Defaults on for every journey; operates above 40km/h and in low ambient light	

PERFORMANCE		
	Autobrake Function	
	Avoidance	Mitigation
Running Adult crossing from Farside	Collision avoided up to 40 km/h	Impact mitigated up to 60 km/h
Walking Adult crossing from Nearside -25%	Collision avoided up to 35 km/h	Impact mitigated up to 60 km/h
Walking Adult crossing from Nearside -75%	Collision avoided up to 45 km/h	Impact mitigated up to 60 km/h
Running Child from behind parked vehicles	Collision avoided up to 35 km/h	Impact mitigated up to 50 km/h

Comments

The Cayenne has a deployable, 'active' bonnet. Sensors detect when a pedestrian has been struck and actuators lift the bonnet to provide greater clearance to the hard structures in the engine bay. Porsche demonstrated that the system worked robustly for different pedestrian statures and over a wide range of speeds. Accordingly, the system was tested in the deployed position and good or adequate results were recorded over almost the entire bonnet surface. The protection provided by the bumper to pedestrians' legs was good at all test locations and maximum points were scored. However, protection of the pelvis was poor at all test points. The autonomous emergency braking system performed well in tests of its pedestrian detection, with impacts mostly avoided or mitigated.

SAFETY ASSIST

Total 7.5 Pts / 62%

■ GOOD
 ■ ADEQUATE
 ■ MARGINAL
 ■ WEAK
 ■ POOR

Speed Assistance

1.8 Pts

System Name	Cruise control including speed limiter
Speed Limit Information Function	Map based
Warning Function	Active braking (no warning necessary)
Speed Limitation Function	Manually set (accurate to 5km/h)

Seat Belt Reminder

3 Pts

Applies To	All seats		
	Driver Seat	front passenger(s)	rear passenger(s)
Warning			
Visual	●	●	●
Audible	●	●	●

● Pass
 ● Fail
 — Not available

Lane Support

0 Pts

SAFETY ASSIST

Total 7.5 Pts / 62%

AEB Interurban

2.8 Pts

System Name	Porsche Active Safe
Type	Forward Collision Warning with Auto-Brake
Operational From	10 km/h
Additional Information	Default On; Supplementary Warning

PERFORMANCE |

	Autobrake Function Only	Driver reacts to warning
Operational Speed	10-250 km/h	10-250 km/h
Approaching a stationary car	See AEB City	Crash avoided up to 40km/h. Crash speed reduced up to 70km/h.
Approaching a slower moving car	Crash avoided up to 70km/h.	Crash avoided up to 80km/h.
FOLLOWING A CAR AT SHORT DISTANCE		
Car in front brakes gently	Avoidance	Avoidance
Car in front brakes harshly	Avoidance	Mitigation
FOLLOWING A CAR AT LONG DISTANCE		
Car in front brakes gently	Avoidance	Avoidance
Car in front brakes harshly	Avoidance	Avoidance

Comments

The Cayenne has, as standard, a seatbelt reminder system for the front and rear seats. The speed assistance system recognises local speed limits and informs the driver, who can then set the limiter appropriately. Tests of the autonomous emergency braking system at highway speeds demonstrated good performance with most collisions avoided or mitigated. A lane assistance system is available as an option but is not included in this assessment.

RATING VALIDITY

Variants of Model Range

Body Type	Engine & Transmission	Model Name/Code	Drivetrain	Rating Applies	
				LHD	RHD
5 door SUV	3.0 diesel	Cayenne Diesel*	4 x 4	✓	✓
5 door SUV	3.0 petrol	Cayenne	4 x 4	✓	✓
5 door SUV	2.9 petrol	Cayenne S	4 x 4	✓	✓
5 door SUV	4.0 petrol	Cayenne Turbo	4 x 4	✓	✓

* Tested variant

Annual Reviews and Facelifts

Date	Event	Outcome
November 2017	Rating Published	2017 ★★★★★ ✓