



Toyota Prius
Standard Safety Equipment

2016



Adult Occupant



92%

Child Occupant



82%

Pedestrian



77%

Safety Assist



85%

SPECIFICATION

Tested Model	Prius Hybrid
Body Type	5 door hatchback
Year Of Publication	2016
Kerb Weight	1387kg
VIN From Which Rating Applies	- all Prius
Class	Large Family Car

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 110416

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 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 35.0 Pts / 92%

■ GOOD
 ■ ADEQUATE
 ■ MARGINAL
 ■ WEAK
 ■ POOR

Frontal Offset Deformable Barrier 7 Pts

Passenger Driver

Frontal Full Width 7.8 Pts

Rear Passenger Driver

Whiplash Rear Impact 2.6 Pts

Front seat Rear seat

Lateral Impact 14.6 Pts

Car Pole

AEB City 3

Performance: ■ Good

 ADULT OCCUPANT

Total 35.0 Pts / 92%

Comments

The passenger compartment of the Prius remained stable in the frontal offset test. Dummy readings showed good protection of the knees and femurs of the driver and passenger. Toyota showed that a similar level of protection would be provided to occupants of different sizes and to those sat in different positions. Driver chest protection was rated as marginal, based on dummy readings of compression. In the full-width rigid barrier frontal impact, protection of both the driver and rear passenger dummies was rated as good, except for the chest, protection of which was adequate. In the side barrier test, the Prius scored maximum points with good protection of all critical body areas. However, in the more severe side pole test, dummy readings of lateral rib compression indicated weak protection for the chest, all other body areas being well protected. The front seats and head restraints demonstrated good protection against whiplash injury in the event of a rear-end collision and a geometric assessment of the rear seats also indicated protection for those occupants. The Prius is equipped as standard with Toyota Safety Sense which includes a low speed autonomous braking system. Euro NCAP's tests revealed good performance of that system, the car scoring maximum points.

CHILD OCCUPANT

Total 40.3 Pts / 82%

■ GOOD
 ■ ADEQUATE
 ■ MARGINAL
 ■ WEAK
 ■ POOR

Crash Test Performance based on 6 & 10 year old children

23.1 Pts

Frontal Impact 15.1 Pts



Lateral Impact 8 Pts



Restraint for 6 year old child: *Römer KidFix SICT*

Restraint for 10 year old child: *Graco*

Safety Features

6 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

11.3 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 X1 i-Size (iSize)



CHILD OCCUPANT

Total 40.3 Pts / 82%

■ **ISOFIX CRS**

Maxi Cosi Cabriofix & FamilyFix (ISOFIX)



BeSafe iZi Kid X3 ISOfix (ISOFIX)



Römer Duo Plus (ISOFIX)



Römer KidFix XP (ISOFIX)



■ **Universal Belted CRS**

Maxi Cosi Cabriofix (Belt)



Maxi Cosi Cabriofix & EasyBase2 (Belt)



Römer King II LS (Belt)



Römer KidFix XP (Belt)



CHILD OCCUPANT

Total 40.3 Pts / 82%

	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 X1 i-Size (iSize)	✗	●	✗	●
Maxi Cosi Cabriofix & FamilyFix (ISOFIX)	✗	●	✗	●
BeSafe iZi Kid X3 ISOfix (ISOFIX)	✗	●	✗	●
Römer Duo Plus (ISOFIX)	✗	●	✗	●
Römer KidFix XP (ISOFIX)	✗	●	✗	●
Maxi Cosi Cabriofix (Belt)	●	●	●	●
Maxi Cosi Cabriofix & EasyBase2 (Belt)	●	●	✗	●
Römer King II LS (Belt)	●	●	●	●
Römer KidFix XP (Belt)	●	●	●	●

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

Comments

In the frontal offset test, the Prius showed good protection of all body areas for the 10 year dummy, and all apart from the chest for the 6 year dummy. Chest accelerations were marginally elevated for the 6 year old's chest. In the side impact, maximum points were scored for both the 6 and the 10 year dummy, with good protection of all critical body areas. 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.

PEDESTRIAN PROTECTION

Total 32.7 Pts / 77%

■ GOOD
 ■ ADEQUATE
 ■ MARGINAL
 ■ WEAK
 ■ POOR

Pedestrian Protection	32.7 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;">16.9 Pts</td> </tr> <tr> <td style="padding: 5px;">Pelvis Impact</td> <td style="text-align: right; padding: 5px;">4.8 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	16.9 Pts	Pelvis Impact	4.8 Pts	Leg Impact	6 Pts
Head Impact	16.9 Pts						
Pelvis Impact	4.8 Pts						
Leg Impact	6 Pts						

AEB Pedestrian		4.9 Pts
System Name	Pre-Collision System with Pedestrian Detection as a part of Toyota Safety Sense	
Type	Auto-Brake with Forward Collision Warning	
Operational From	10 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 60 km/h	
Walking Adult crossing from Nearside -25%	Collision avoided up to 40 km/h	Impact mitigated up to 60 km/h
Walking Adult crossing from Nearside -75%	Collision avoided up to 60 km/h	
Running Child from behind parked vehicles	Collision avoided up to 20 km/h	Impact mitigated up to 40 km/h

Comments

The protection offered by the bonnet to the head of a struck pedestrian was predominantly good or adequate with poor results recorded only at the base of the windscreen and on the stiff windscreen pillars. The bumper scored maximum points, with good results at all test locations. Protection of the pelvis was mostly good with some areas of weak protection at the outboard edges. The Prius's autonomous emergency braking system is able to detect pedestrians. In Euro NCAP's tests, the system performed well, managing to avoid a collision or mitigate the severity in the great majority of cases.

SAFETY ASSIST

Total 10.2 Pts / 85%

■ GOOD
 ■ ADEQUATE
 ■ MARGINAL
 ■ WEAK
 ■ POOR

Speed Assistance

2 Pts

System Name	Road Sign Assist as a part of Toyota Safety Sense
Speed Limit Information Function	Camera based, subsigns supported
Warning Function	Manually set
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

2.5 Pts

System Name	Lane Departure Alert with Steering Control as a part of Toyota Safety Sense
Type	Lane Keep Assist and Lane Departure Warning
Operational From	50 km/h
Warning	Audible

PERFORMANCE	
LKA Confirmation Test	Pass (4/5)
LDW Confirmation Test	Pass

SAFETY ASSIST

Total 10.2 Pts / 85%

AEB Interurban

2.8 Pts

System Name	Pre-Collision System with Pedestrian Detection as a part of Toyota Safety Sense
Type	Forward Collision Warning with Auto-Brake
Operational From	10 Km/h
Additional Information	Default On

PERFORMANCE		
Operational Speed	10-180 Km/h	10-180 Km/h
	Autobrake Function Only	Driver reacts to warning
Approaching a stationary car	See AEB City	Crash avoided up to 80km/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	Avoidance
FOLLOWING A CAR AT LONG DISTANCE		
Car in front brakes gently	Avoidance	Avoidance
Car in front brakes harshly	Avoidance	Avoidance

Comments

Toyota Safety Sense is standard equipment. It includes an autonomous braking system which operates at highway speeds and showed good performance in Euro NCAP's tests; a lane assistance system which warns the driver if he is drifting out of lane, and helps to correct the departure; and a camera-based speed assistance system which informs the driver of the appropriate limit, allowing him to set the speed limiter as appropriate.