



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 171116

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



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



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.