

2020





# Adult Occupant



86%

# Child Occupant



81%

Vulnerable Road Users



78%



Safety Assist

85%

## **SPECIFICATION**

Tested Model	Toyota Yaris Hybrid
Body Type	- 5 door hatchback
Year Of Publication	2020
Kerb Weight	1175kg
VIN From Which Rating Applies	- all Yaris variants
Class	Small 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
CHILD PROTECTION			
Isofix		×	
Integrated CRS	_	×	×
Airbag cut-off switch	_	•	_
SAFETY ASSIST			
Seat Belt Reminder	•	•	

OTHER SYSTEMS	
Active Bonnet	×
AEB Vulnerable Road Users	•
AEB Car-to-Car incl. Turn Across Path	•
AEB Reverse	×
Speed Assistance	•
Lane Assist System	

Mate.	O+b	 - 4bb:- - b4	as not considered in	. 46- 44

Fitted to the vehicle as standard	Fitted to the vehicle as part of the safety pack

C	Not fitted to the test vehicle but available as option or as part of the safety pack	🗶 Not available	— Not applicable
`	,	•	

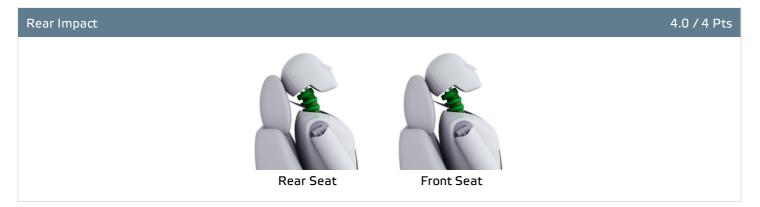




Total 33.0 Pts / 86%











Total 33.0 Pts / 86%

GOOD	ADEQUATE	MARGINAI	L WEAK	POOR	
Rescue and Extricati	on				2.0 / 2 Pts
		Rescue Sheet	ISO Compliant		PDF
		Advanced eCall	Available		
		Multi Collision Brake	Available		

#### Comments

The passenger compartment remained stable in the offset frontal test. Protection of the driver's chest was rated as marginal, based on dummy measurements of compression. Measurements in the knees and femurs of both driver and passenger dummies indicated a marginal level of protection and the scores for these regions were penalised owing to potentially injurious structures in the dashboard. The Yaris's modest weight and benign front structure did not pose a high risk to the occupants of a colliding vehicle in a frontal offset impact. In the full-width, rigid wall test, protection was good or adequate for all body critical body regions for both the driver and the rear seat passenger. In the side barrier test, representing a collision by another vehicle, protection of all critical body areas was good. Similarly, in the more severe side pole impact, protection was good all-round. In an assessment of protection in far-side impact, dummy excursion (its movement towards the other side of the vehicle) was rated as marginal and, as a consequence, protection of critical body areas was rated as adequate, even though dummy measurements were good. The Yaris is equipped with centre airbags to protect against occupant-tooccupant interaction in side impacts. This system worked well in Euro NCAP's test, with good protection of the head for both front seat occupants. 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 Yaris is equipped as standard with a multi-collision braking system, which applies the brakes immediately after an impact to prevent the vehicle from being involved in secondary impacts. The car also has an advanced e-Call system which, in the event of an accident, automatically sends a message to the emergency services, giving the car's location.



Total 40.0 Pts / 81%



Crash Test Performance based on 6 & 10 year old children

23.0 / 24 Pts





Restraint for 6 year old child: Britax Römer KIDFIX  ${\mathbb D}$  S Restraint for 10 year old child: Booster Cushion

Safety Features 7.0 / 13 Pts

	Front Passenger	2nd row outboard	2nd row center
Isofix	×	•	×
i-Size	×	•	×
Integrated CRS	×	×	×

Fitted to test car as standard

O Not on test car but available as option

🗶 Not available



CRS Installation Check 10.0 / 12 Pts



#### i-Size CRS









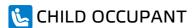


#### ISOFIX CRS









Total 40.0 Pts / 81%

#### Universal Belted CRS











Total 40.0 Pts / 81%

	Seat Position			
	Front		2nd row	
	PASSENGER	LEFT	CENTER	RIGHT
Maxi Cosi 2way Pearl & 2wayFix (i-Size)	_	•	<del>_</del>	
Maxi Cosi 2way Pearl & 2wayFix (i-Size)	_	•	_	
BeSafe iZi Kid X2 i-Size (i-Size)	_	•	<u> </u>	•
Britax Römer TriFix2 i-Size (i-Size)	_	•	_	•
BeSafe iZi Flex FIX i-Size (i-Size)	_	•	_	•
BeSafe iZi Combi X4 ISOfix (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

— Not available

#### Comments

In the frontal offset test, protection of both child dummies was good or adequate for all critical parts of the body. In the side barrier test, protection of all critical body regions was good and the Yaris scored maximum points for 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. Unclear information in the user manual resulted in the installation check of some child restraints being classed as a fail. Otherwise, the restraints for which the Yaris is designed could be properly installed and accommodated.



# ★ VULNERABLE ROAD USERS

Total 42.3 Pts / 78%

GOOD	ADEQUATE	MARGINAL	WEAK	POOR	

Pedestrian 29.9 / 36 Pts



Head Impact	18.7 Pts
Pelvis Impact	5.2 Pts
Leg Impact	6.0 Pts

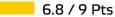
Vulnerable Road Users 12.4 / 18 Pts

System Name	Pre-Collision System as part of Toyota Safety Sense
Туре	Auto-Brake with Forward Collision Warning
Operational From	10 km/h



Total 42.3 Pts / 78%

#### **AEB Pedestrian**





Vehicle reversing into standing pedestrian



Pedestrian crossing a road into which a car is turning

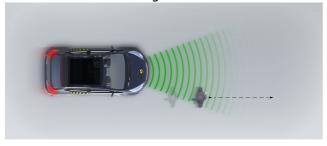
Adult crossing the road



Child running from behind parked vehicles



Adult along the roadside



Night time

Adult crossing the road



Adult along the roadside

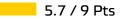






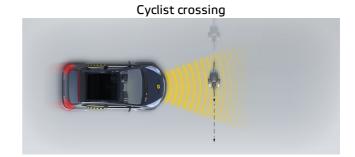
Total 42.3 Pts / 78%

### **AEB Cyclist**

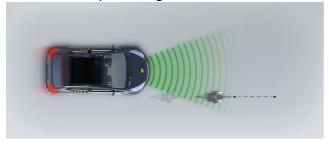








Cyclist along the roadside

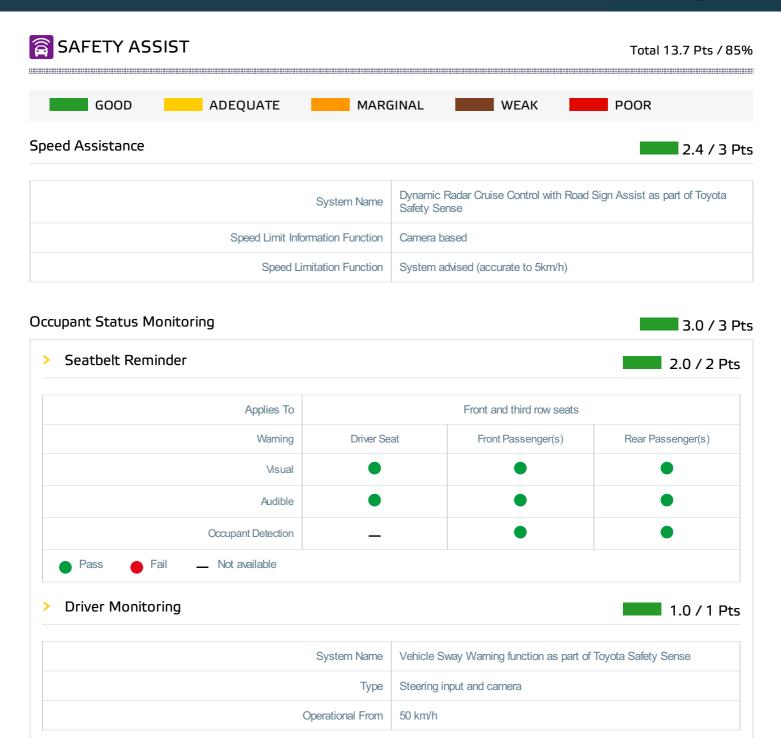


#### Comments

The bonnet provided predominantly good or adequate protection to the head of a struck pedestrian, with some poor results recorded on the stiff windscreen pillars. The bumper provided good protection to pedestrians' legs and protection of the pelvis was good at most test positions. The Yaris's autonomous emergency braking (AEB) system can detect vulnerable road users like pedestrians and cyclists, as well as other vehicles. In tests, the system's response to such road users was adequate, with collisions avoided or mitigated in most cases.

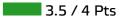
The system does not detect pedestrians to the rear of the car, and reversing tests were not performed.







### Lane Support



System Name	Lane Departure Alert with steering control as part of Toyota Safety Sense
Туре	LKA and ELK
Operational From	50 km/h
PERFORMANCE	
Emergency Lane Keeping	GOOD
Lane Keep Assist	GOOD
Human Machine Interface	GOOD

### AEB Car-to-Car

4.8 / 6 Pts

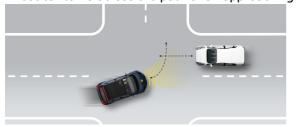
System Name	Pre-Collision System as part of Toyota Safety Sense
Туре	Autonomous emergency braking and forward collision warning
Operational From	10 km/h
Sensor Used	camera and radar



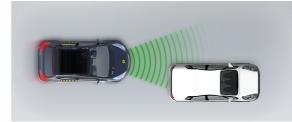


### Autobrake function only

Test car turns across the path of an approaching car



Approaching a stationary car



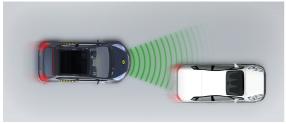
Approaching a stationary car



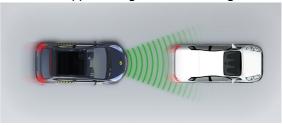
Approaching a stationary car



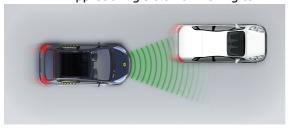
Approaching a slower moving car



Approaching a slower moving car



Approaching a slower moving car



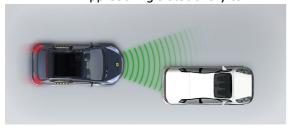
Approaching a braking car



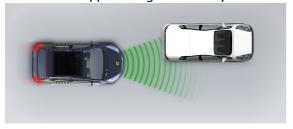


### Driver reacts to warning

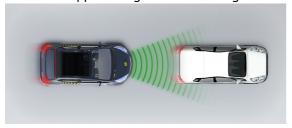
Approaching a stationary car



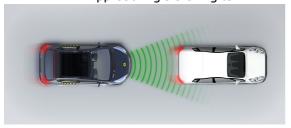
Approaching a stationary car



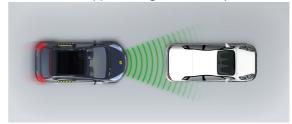
Approaching a slower moving car



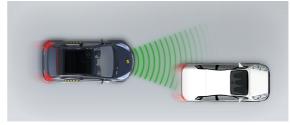
Approaching a braking car



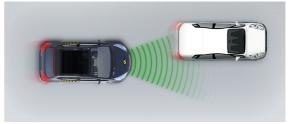
Approaching a stationary car



Approaching a slower moving car



Approaching a slower moving car







#### Comments

Autonomous emergency braking (AEB) is fitted as standard. The system performed well in tests of its detection and reaction to other vehicles, with impacts being avoided or mitigated in most cases. As well as a seatbelt reminder for front and rear seats, the Yaris has a driver monitoring system which uses steering and camera inputs to identify whether the driver is alert and focussed on the driving task or is impaired through fatigue or other factors. The system warns the driver if impaired driving is detected. The lane support system gently corrects the steering of the car if it is drifting out of lane and also intervenes much more aggressively in some critical situations. A speed assistance system uses a camera to detect the local speed limit. This information is presented to the driver who can then set the speed limiter appropriately.



# **RATING VALIDITY**

## Variants of Model Range

Body Type	Engine	Drivetrain	Rating Applies	
			LHD	RHD
5 door hatchback	1.0 petrol	4 x 2	✓	✓
5 door hatchback	1.5 petrol	4 x 2	✓	✓
5 door hatchback	1.5 hybrid*	4 x 2	✓	✓

<sup>\*</sup> Tested variant

### **Annual Reviews and Facelifts**

Date	Event	Outcome	
September 2020	Rating Published	2020 🖈 🖈 🖈 🛧	<b>✓</b>