



Toyota Corolla Cross
Standard Safety Equipment

2022



Adult Occupant



85%

Child Occupant



83%

Vulnerable Road Users



87%

Safety Assist



82%

SPECIFICATION

Tested Model	Toyota Corolla Cross 2.0 hybrid, LHD
Body Type	- 5 door SUV
Year Of Publication	2022
Kerb Weight	1500kg
VIN From Which Rating Applies	- all Corolla Cross
Class	Small Off-Road

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	●	●	—

Version 141122

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	✗
AEB Vulnerable Road Users	●
AEB Pedestrian - Reverse	○
AEB Car-to-Car	●
Speed Assistance	●
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 32.6 Pts / 85%

GOOD

ADEQUATE

MARGINAL

WEAK

POOR

Frontal Impact

12.9 / 16 Pts



Mobile Progressive Deformable Barrier



Full Width Rigid Barrier

Lateral Impact

14.0 / 16 Pts



Side Mobile Barrier



Side Pole



Far-Side Excursion



Occupant Interaction

Rear Impact

3.7 / 4 Pts



Rear Seat



Front Seat



ADULT OCCUPANT

Total 32.6 Pts / 85%



GOOD



ADEQUATE



MARGINAL



WEAK



POOR

Rescue and Extrication

2.0 / 2 Pts

Rescue Sheet	Available, ISO compliant	
Advanced eCall	Available	
Multi Collision Brake	Available	

Comments

The passenger compartment of the Toyota Corolla Cross remained stable in the frontal offset test. Dummy readings indicated good protection of the knees and femurs of both the driver and passenger. Toyota demonstrated that a similar level of protection would be provided to occupants of different sizes and to those sitting in different positions. Dummy readings of compression indicated weak protection of the chest of the driver. Analysis of the deceleration of the impact trolley during the test, and analysis of the deformable barrier after the test, revealed that the car would be a moderately benign impact partner in a frontal collision. In the full-width rigid barrier test, protection of all critical body regions was good or adequate for both the driver and rear passenger. In both the side barrier impact and the more severe side pole test, protection of all critical body areas was good and the smart scored maximum points in this part of the assessment. Control of excursion (the extent to which a body is thrown to the other side of the vehicle when it is hit from the far side) was found to be marginal. The Corolla Cross has a counter-measure to mitigate against occupant to occupant injuries in such impacts. Dummy results indicated good protection of the occupants' heads in the crash test. However, Toyota did not demonstrate that the centre airbag would provide robust protection to occupants of different sizes. Tests on the front seats and head restraints demonstrated good protection against whiplash injuries in the event of a rear-end collision. A geometric analysis of the rear seats also indicated good whiplash protection. The Corolla Cross has an advanced eCall system which alerts the emergency services in the event of a crash and a 'Secondary Collision Brake' system which automatically applies the brakes to prevent secondary collisions.



CHILD OCCUPANT

Total 40.9 Pts / 83%

GOOD

ADEQUATE

MARGINAL

WEAK

POOR

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: *TOYOTA KIDFIX i-SIZE*Restraint for 10 year old child: *TOYOTA MAXI PLUS*

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 (i-Size)



Maxi Cosi 2way Pearl & 2wayFix (i-Size)



BeSafe iZi Kid X2 i-Size (i-Size)



Britax Römer TriFix2 i-Size (i-Size)



BeSafe iZi Flex FIX i-Size (i-Size)



■ ISOFIX CRS

BeSafe iZi Combi X4 ISOfix (ISOFIX)



Cybex Solution Z i-Fix (ISOFIX)





CHILD OCCUPANT

Total 40.9 Pts / 83%

■ Universal Belted CRS

Maxi Cosi Cabriofix (Belt)



Maxi Cosi Cabriofix & EasyFix (Belt)



Britax Römer King II LS (Belt)



Cybex Solution Z i-Fix (Belt)





CHILD OCCUPANT

Total 40.9 Pts / 83%

	Seat Position			
	Front	2nd row		
	PASSENGER	LEFT	CENTER	RIGHT
Maxi Cosi 2way Pearl & 2wayFix (i-Size)	—	●	—	●
Maxi Cosi 2way Pearl & 2wayFix (i-Size)	—	●	—	●
BeSafe iZi Kid X2 i-Size (i-Size)	—	●	—	●
Britax Römer TriFix2 i-Size (i-Size)	—	●	—	●
BeSafe iZi Flex FIX i-Size (i-Size)	—	●	—	●
BeSafe iZi Combi X4 ISOfix (ISOFIX)	—	●	—	●
Cybex Solution Z i-Fix (ISOFIX)	—	●	—	●
Maxi Cosi Cabriofix (Belt)	●	●	●	●
Maxi Cosi Cabriofix & EasyFix (Belt)	●	●	●	●
Britax Römer King II LS (Belt)	●	●	●	●
Cybex Solution Z i-Fix (Belt)	●	●	●	●

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

Comments

Apart from the neck of the 10 year dummy in the frontal offset test, protection of which was marginal, the car provided good protection of all critical body regions of both dummies in dynamic crash tests. The front passenger airbag can be disabled to allow a rearward-facing child restraint to be used in that seating position. With the exception of one universal restraint in the rear centre seat, all of the child restraint types for which the Corolla Cross is designed could be properly installed and accommodated.



VULNERABLE ROAD USERS

Total 47.0 Pts / 87%



GOOD



ADEQUATE



MARGINAL



WEAK



POOR

Pedestrian

31.3 / 36 Pts



Head Impact	19.3 Pts
Pelvis Impact	6.0 Pts
Leg Impact	6.0 Pts

Vulnerable Road Users

15.7 / 18 Pts

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



VULNERABLE ROAD USERS

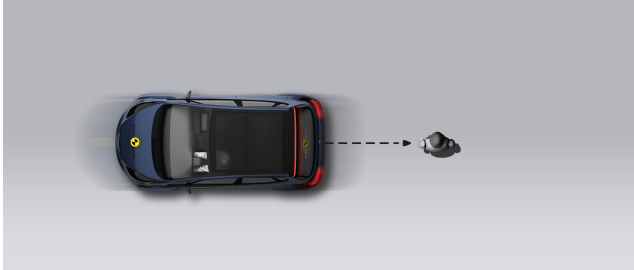
Total 47.0 Pts / 87%

AEB Pedestrian

7.0 / 9 Pts

■ Day time

Vehicle reversing into standing pedestrian



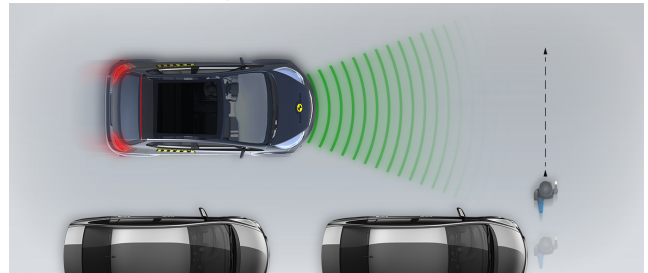
Pedestrian crossing a road into which a car is turning



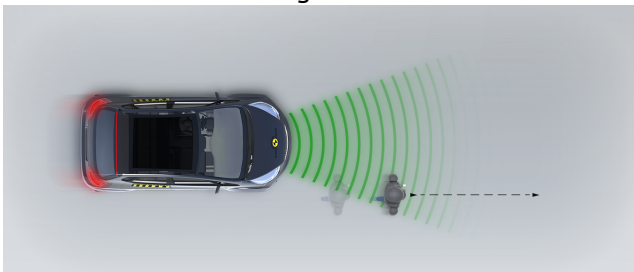
Adult crossing the road



Child running from behind parked vehicles



Adult along the roadside

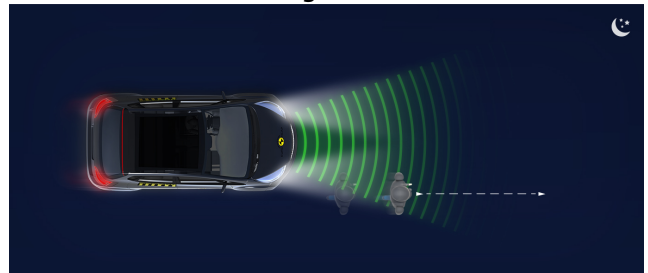


■ Night time

Adult crossing the road



Adult along the roadside





VULNERABLE ROAD USERS

Total 47.0 Pts / 87%

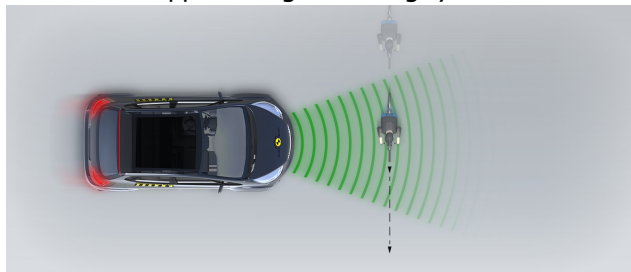
AEB Cyclist

8.7 / 9 Pts

Cyclist from nearside, obstructed view



Approaching a crossing cyclist



Cyclist along the roadside



Comments

Protection of the head of a struck pedestrian was almost completely good or adequate. The bumper offered good protection to pedestrians' legs at all test locations and protection of the pelvis was also good, scoring maximum points. The autonomous emergency braking (AEB) system of the Toyota can respond to vulnerable road users as well as to other vehicles. The system performed well in tests of its response to pedestrians and cyclists, with collisions avoided in most test scenarios.



SAFETY ASSIST

Total 13.2 Pts / 82%



GOOD



ADEQUATE



MARGINAL



WEAK



POOR

Speed Assistance



0.9 / 3 Pts

System Name	Camera-based
Speed Limit Information Function	Camera & Map, subsigns supported
Speed Limitation Function	System advised (accurate to 10km/h)

Occupant Status Monitoring



3.0 / 3 Pts



Seatbelt Reminder



2.0 / 2 Pts

Applies To	Front and rear seats		
Warning	Driver Seat	Front Passenger(s)	Rear Passenger(s)
Visual	●	●	●
Audible	●	●	●
Occupant Detection	—	●	●
● Pass ● Fail — Not available			



Driver Monitoring



1.0 / 1 Pts

System Name	Sway Warning System
Type	Steering input, lane position
Operational From	50 km/h



SAFETY ASSIST

Total 13.2 Pts / 82%



Lane Support 3.5 / 4 Pts

System Name	Lane Trace Assist (LTA)
Type	LKA and ELK
Operational From	0 km/h
PERFORMANCE	
Emergency Lane Keeping	 GOOD
Lane Keep Assist	 GOOD
Human Machine Interface	 GOOD

AEB Car-to-Car 5.8 / 6 Pts

System Name	Pre-Collision System
Type	Autonomous emergency braking and forward collision warning
Operational From	5 km/h
Sensor Used	camera and radar

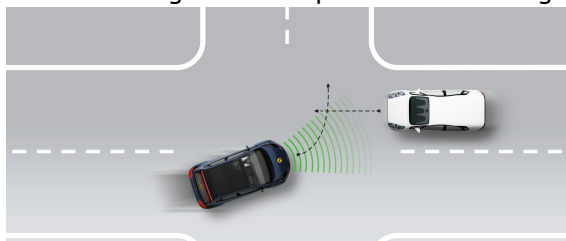


SAFETY ASSIST

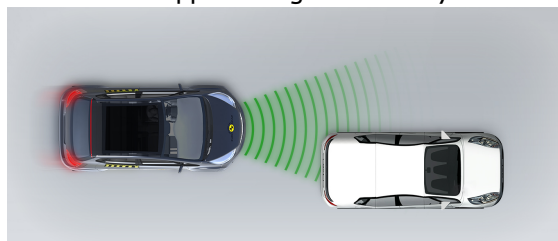
Total 13.2 Pts / 82%

■ Autobrake function only

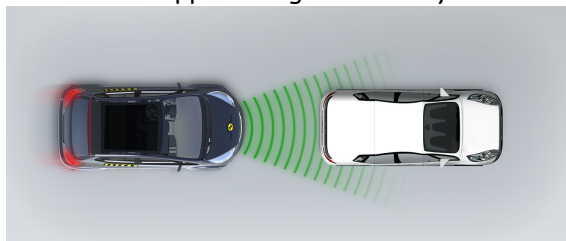
Car turning across the path of an oncoming car



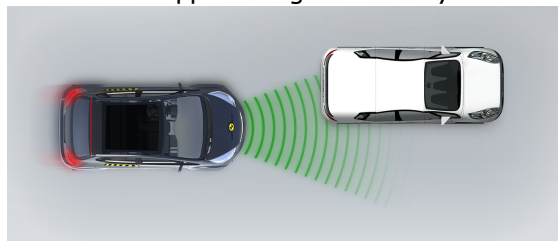
Approaching a stationary car



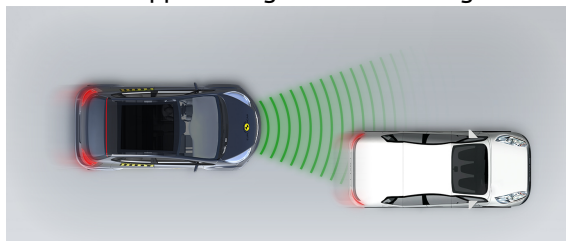
Approaching a stationary car



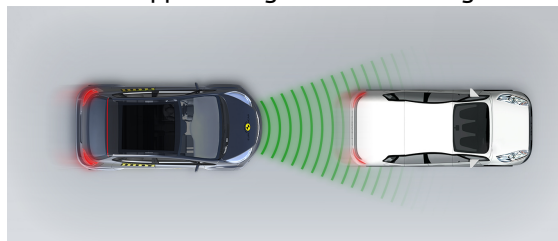
Approaching a stationary car



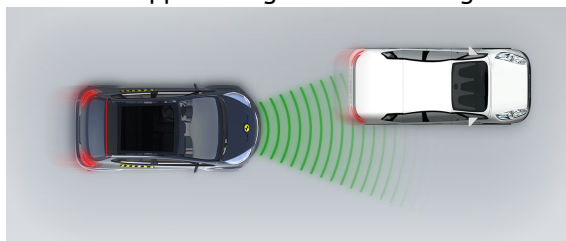
Approaching a slower moving car



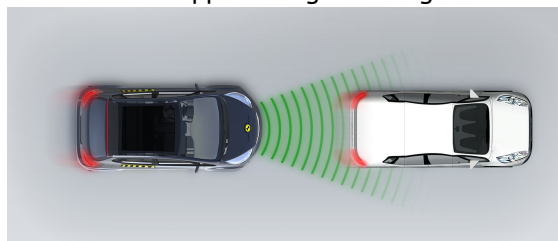
Approaching a slower moving car



Approaching a slower moving car



Approaching a braking car



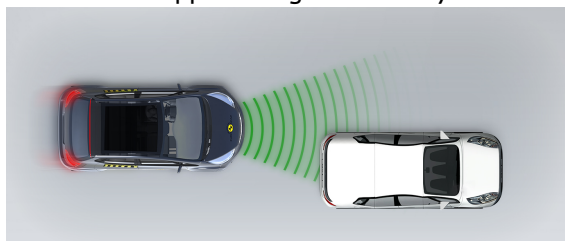


SAFETY ASSIST

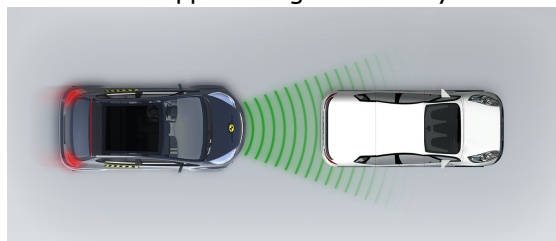
Total 13.2 Pts / 82%

■ Driver reacts to warning

Approaching a stationary car



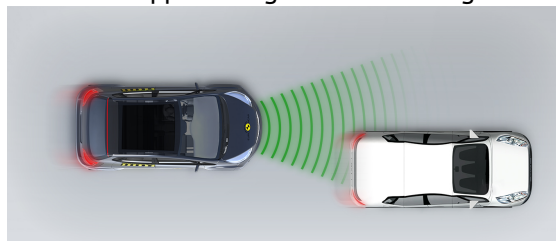
Approaching a stationary car



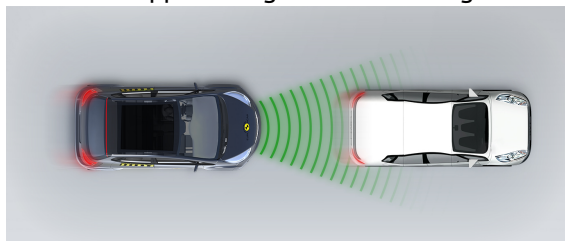
Approaching a stationary car



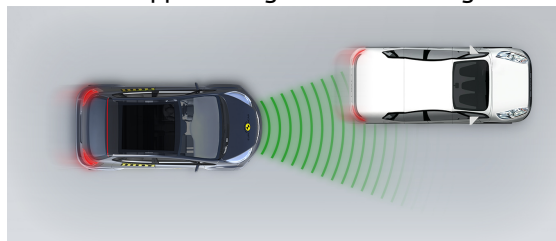
Approaching a slower moving car



Approaching a slower moving car



Approaching a slower moving car



Approaching a braking car





SAFETY ASSIST

Total 13.2 Pts / 82%

Comments

The autonomous emergency braking (AEB) system of the Corolla Cross performed well in tests of its reaction to other vehicles. A seatbelt reminder system is fitted as standard to the front and rear seats and the car is equipped with a system to detect driver fatigue. The lane support system gently corrects the vehicle's path if it is drifting out of lane, and also intervenes in some more critical situations. A speed assistance system detects the local speed limit and the driver can choose to set the limiter or let the system do so automatically.

RATING VALIDITY

Variants of Model Range

Body Type	Engine	Drivetrain	Rating Applies	
			LHD	RHD
5 door SUV	2.0 hybrid	4 x 4	✓	✓
5 door SUV	2.0 hybrid	4 x 2 *	✓	✓
5 door SUV	1.8 hybrid	4 x 2	✓	✓

* Tested variant

Annual Reviews and Facelifts

Date	Event	Outcome	
November 2022	Rating Published	2022 ★ ★ ★ ★ ★	✓