TEST RESULTS





Volvo C40 Recharge Standard Safety Equipment





SPECIFICATION

Tested Model	Volvo C40 Recharge
Body Type	- 5 door hatchback
Year Of Publication	2022
Kerb Weight	2149kg
VIN From Which Rating Applies	- all C40 Recharge
Class	Small Off-Road



SAFETY EQUIPMENT

	Driver	Passenger	Rear
FRONTAL CRASH PROTECTION			
Frontal airbag	•	•	×
Belt pretensioner			٠
Belt loadlimiter	•		٠
Knee airbag	•	×	×
LATERAL CRASH PROTECTION			
Side head airbag	•		٠
Side chest airbag	•		×
Side pelvis airbag	•	•	×
Centre Airbag	•	•	_

Euro NCAP © Volvo C40 Recharge May 2022 2/18



SAFETY EQUIPMENT (NEXT)

	Driver	Passenger	Rear
CHILD PROTECTION			
Isofix/i-Size	_		•
Integrated CRS		×	×
Airbag cut-off switch	<u> </u>		_
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				

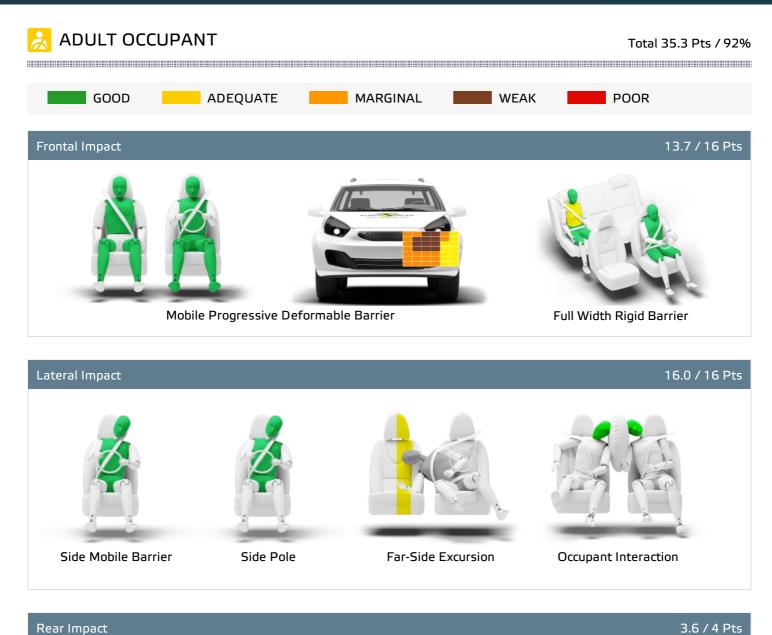
Note: Other equipment may be available on the vehicle but was not considered in the test year.

Fitted to the vehicle as standard

○ Not fitted to the test vehicle but available as option or as part of the safety pack

🗙 Not available 🛛 — Not applicable





Rear Impact



Rear Seat



Front Seat

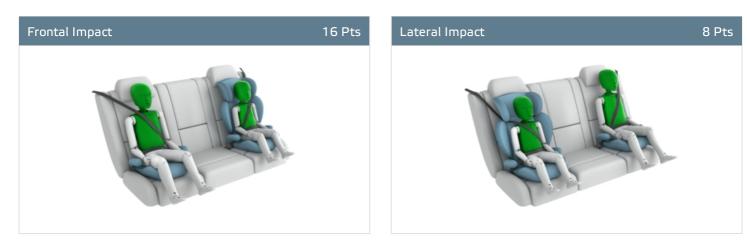




Comments

The passenger compartment of the C40 Recharge remained stable in the frontal offset test. Protection of all critical body areas was good for both driver and front passenger and the C40 Recharge scored maximum points in this part of the assessment. Volvo showed that a similar level of protection would be provided to the knees and femurs of occupants of different sizes and to those sitting in different positions. Analysis of the deceleration of the impact trolley during the test, and analysis of the deformable barrier after the test, revealed that the C40 Recharge would be an aggressive impact partner in a frontal collision. With the exception of the chest of the rear passenger, protection of which was adequate, all critical body areas of both the driver and rear seat passenger were well protected. In both the side barrier test and the more severe pole impact, protection of all critical body areas was good and the car scored maximum points. 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 adequate. The C40 Recharge has a counter-measure to mitigate against occupant to occupant injuries in such impacts and this performed well in Euro NCAP's test. Tests on the front seats and head restraints demonstrated good protection. The C40 Recharge has an advanced eCall system which alerts the emergency services in the event of a crash. The car also has a system which applies the brakes after an impact, to avoid secondary collisions.





Restraint for 6 year old child: *Volvo KidFix SL* Restraint for 10 year old child: *Graco booster*

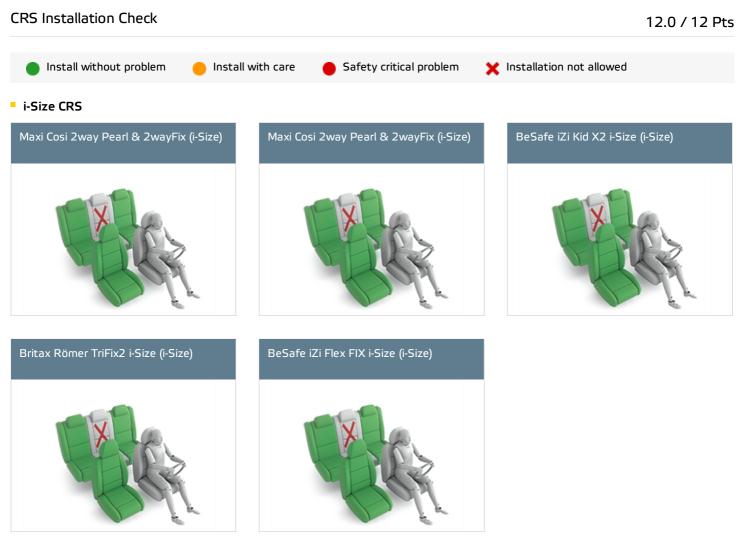
Safety Features

8.0 / 13 Pts

	Front Passenger	2nd row outboard	2nd row center
Isofix		•	×
i-Size	•	•	×
Integrated CRS	×	×	×
	Not available	•	







ISOFIX CRS





🔄 CHILD OCCUPANT

Total 44 Pts / 89%

Universal Belted CRS



Cybex Solution Z i-Fix (Belt)



Maxi Cosi Cabriofix & EasyFix (Belt)







🔄 CHILD OCCUPANT

Total 44 Pts / 89%

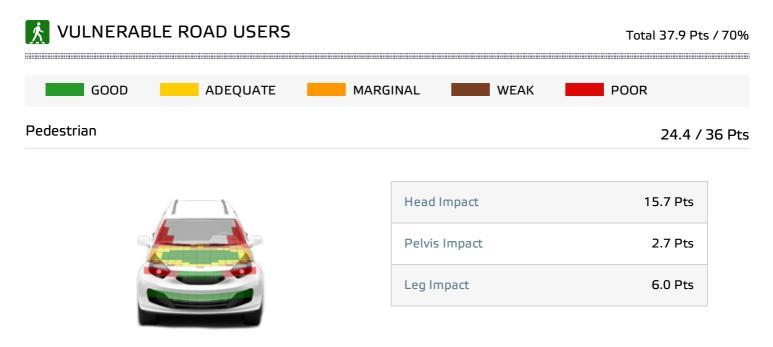
		Seat Position			
	Front	Front 2nd row			
	PASSENGER	LEFT	CENTER	RIGHT	
Maxi Cosi 2way Pearl & 2wayFix (i-Size)	•	•	_		
Maxi Cosi 2way Pearl & 2wayFix (i-Size)		•			
BeSafe iZi Kid X2 i-Size (i-Size)	•				
Britax Römer TriFix2 i-Size (i-Size)	•				
BeSafe iZi Flex FIXi-Size (i-Size)	•				
BeSafe iZi Combi 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)					

Not available

Comments

In both the frontal offset test and the side barrier impact, protection of all critical body areas was rated as good, for both the 6 and 10 year dummies and the car scored maximum points. 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 child restraint types for which the car is designed could be properly installed and accommodated.





Vulnerable Road Users

13.5 / 18 Pts

System Name	Safety Assistance
Туре	Auto-Brake with Forward Collision Warning
Operational From	4 km/h



K VULNERABLE ROAD USERS

Total 37.9 Pts / 70%

AEB Pedestrian 6.0 / 9 Pts

Day time

Vehicle reversing into standing pedestrian



Adult crossing the road



Adult along the roadside



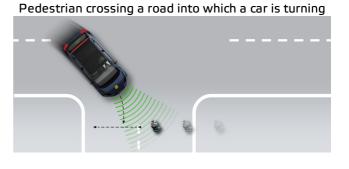
Night time



Adult along the roadside



Version 160522



Child running from behind parked vehicles

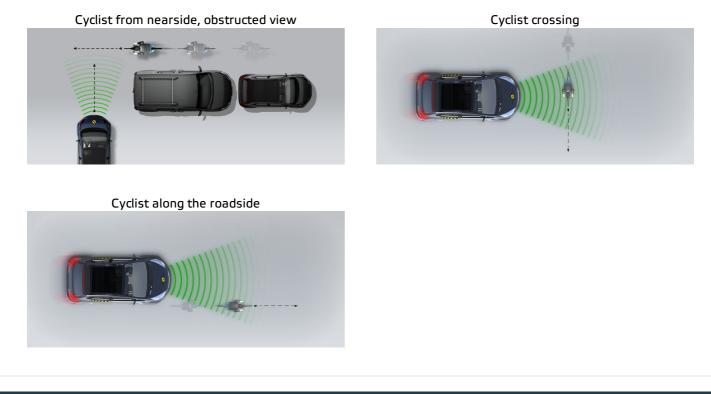




K VULNERABLE ROAD USERS

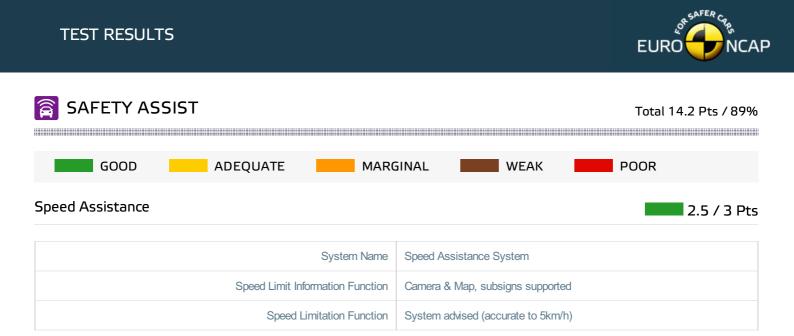
Total 37.9 Pts / 70%

AEB Cyclist 7.5 / 9 Pts



Comments

The protection offered by the bonnet to the head of a struck pedestrian was predominantly good or adequate. The bumper provided good protection to pedestrians' legs at all test points but the protection provided to the pelvis by the front edge of the bonnet was mixed, with areas of good and poor performance. The C40 Recharge has an autonomous emergency braking (AEB) system which can respond to vulnerable road users as well as to other vehicles. The system performed adequately in tests of its response to pedestrians. The system's response to cyclists was good, with collisions avoided in many test scenarios.



Occupant Status Monitoring

2.0 / 3 Pts

Applies To		Front	and rear seats	
Warning	Driver Se	eat Front	Passenger(s)	Rear Passenger(s)
Visual	٠		•	•
Audible	٠		•	•
Occupant Detection	_		•	
Pass Fail Not available		1		
Driver Monitoring				1.0 / 1
	System Name	Driver Alert Control		
	Туре	Lane position		
	perational From	65 km/h		



SAFETY ASSIST

Total 14.2 Pts / 89%

Lane Support	4.0 / 4 Pts
System Name	Safety Assistance
Туре	LKA and ELK
Operational From	65 km/h
PERFORMANCE	
Emergency Lane Keeping	GOOD
Lane Keep Assist	GOOD
Human Machine Interface	GOOD

AEB Car-to-Car

5.7 / 6 Pts

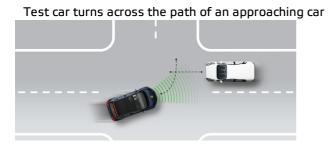
System Name	Safety Assistance
Туре	Autonomous emergency braking and forward collision warning
Operational From	4 km/h
Sensor Used	camera and radar





Total 14.2 Pts / 89%

Autobrake function only



Approaching a stationary car

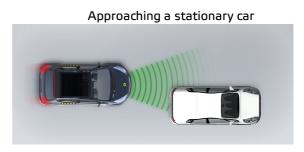


Approaching a slower moving car



Approaching a slower moving car

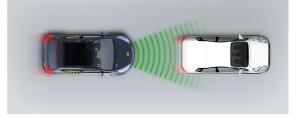




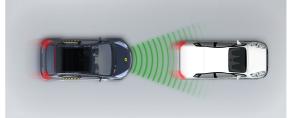
Approaching a stationary car



Approaching a slower moving car



Approaching a braking car

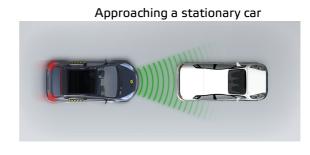






SAFETY ASSIST

Driver reacts to warning

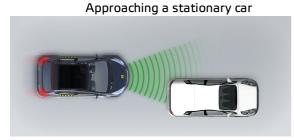


Approaching a slower moving car



Approaching a slower moving car

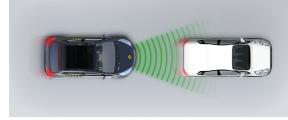




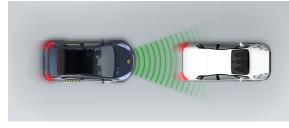
Approaching a stationary car



Approaching a slower moving car



Approaching a braking car





🛜 SAFETY ASSIST

Total 14.2 Pts / 89%

Comments

The C40 Recharge has a seatbelt reminder system on the front and rear seating positions. The AEB system performed well in tests of its response to other vehicles, with impacts avoided in most test scenarios. A speed assistance system combines camera information with digital mapping to identify local speed limits and presents this information to the driver, allowing the limiter to be set appropriately. A lane support system gently corrects the vehicle's path if it is drifting out of lane and intervenes more aggressively in some more critical situations.



RATING VALIDITY

Variants of Model Range

Body Type	Engine & Transmission	Model Name/Code	Drivetrain	Rating Applies	
				LHD	RHD
5 door hatchback	Electric (twin motor)	Volvo C40 Recharge	4 x 4*	\checkmark	~
5 door hatchback	Electric (single motor)	Volvo C40 Recharge	4 x 2	\checkmark	~

* Tested variant

Annual Reviews and Facelifts

	Date	Event	Outcome	
May 20	022	Rating Published	2022 ★ ★ ★ ★	~