VOLVO XC40

APRIL 2018 - ONWARDS ALL-WHEEL-DRIVE (AWD) VARIANTS





97%
ADULT OCCUPANT PROTECTION



84%
CHILD OCCUPANT PROTECTION





78%

ASS



VOLVO XC40

OVERVIEW

The Volvo XC40 was introduced in Australia and New Zealand in April 2018.

Dual frontal, side chest-protecting and side head-protecting (curtain) airbags and a driver knee airbag are standard.

All three grades of autonomous emergency braking (City, Interurban & Vulnerable Road User) as well as lane keep assist (LKA) with lane departure warning (LDW) are standard on all variants.

ANCAP SAFETY RATING RATING YEAR (DATESTAMP) VEHICLE TYPE AIRBAGS ****

2018

Small SUV

Dual frontal, side chest, side head, driver knee

RATING APPLICABILITY

VARIANT	BODY TYPE	ENGINE	DRIVETRAIN	AUS	NZ
Volvo XC40 D4 Momentum ◆	5 door SUV	2.0 litre diesel	AWD	\checkmark	\checkmark
Volvo XC40 T5 R-Design	5 door SUV	2.0 litre petrol	AWD	\checkmark	\checkmark
Volvo XC40 T5 Momentum	5 door SUV	2.0 litre petrol	AWD	\checkmark	\checkmark
Volvo XC40 T4 Momentum	5 door SUV	2.0 litre petrol	2WD	×	×
Volvo XC40 T4 Inscription	5 door SUV	2.0 litre petrol	AWD	\checkmark	\checkmark

✓ COVERED BY THIS RATING

× NOT COVERED BY THIS RATING

TESTED VARIANT

ADULT OCCUPANT PROTECTION



The passenger compartment remained stable in the frontal offset test. Dummy readings indicated ADEQUATE protection of the lower leg of the front passenger, while protection was GOOD for all other critical body regions for both the driver and front passenger.

In the full width frontal test, protection was MARGINAL for the chest of the rear passenger and GOOD for all other critical body regions for both the driver and rear passenger.

In the side impact test and the oblique pole test, protection offered to all critical body regions was GOOD and the Volvo XC40 scored maximum points in these tests.

The low-speed autonomous emergency braking system (AEB - City) showed GOOD performance across all test scenarios.

OBLIQUE POLE# 8.00 ((out of 8) (out of 8)
OBLIQUE POLE# 8.00 (WHIPLASH PROTECTION 1.79 (,,

^{*}Scaled scores. Total test scored out of 16.00 points.

FRONTAL OFFSET TEST (64 KM/H)



Driver

Head / neck: 4.00 points
Chest: 4.00 points
Upper legs: 4.00 points
Lower legs: 4.00 points
Deductions: Nil



Front Passenger

Head / neck: 4.00 points
Chest: 4.00 points
Upper legs: 4.00 points
Lower legs: 3.96 points
Deductions: Nil

SIDE IMPACT TEST (50 KM/H)



Driver

Head: 4.00 points
Chest: 4.00 points
Abdomen: 4.00 points
Pelvis: 4.00 points
Deductions: Nil

WHIPLASH (REAR IMPACT) PROTECTION TEST



Rear Passenger



Driver / Front Passenger

Rear: 0.50 points Front: 1.29 points

FULL WIDTH FRONTAL TEST (50 KM/H)



Driver

Head:	4.00 points
Neck:	4.00 points
Chest:	4.00 points
Upper legs:	4.00 points
Deductions:	Nil .



Rear Passenger

Head:	4.00 points
Neck:	4.00 points
Chest:	1.70 points
Upper legs:	4.00 points
Deductions:	Nil

OBLIQUE POLE TEST (32 KM/H)



Driver

Head: 4.00 points
Chest: 4.00 points
Abdomen: 4.00 points
Pelvis: 4.00 points
Deductions: Nil

AEB - CITY (10-50 KM/H)

Score: 4.00 points

OVERLAP	-50%	-75%	100%	75%	50%
DEDECOMANCE					
PERFORMANCE			GOOD		

CHILD OCCUPANT PROTECTION



In the frontal offset and side impact tests, protection of the 10 year and 6 year dummies was GOOD and the Volvo XC40 scored maximum points in these tests.

The Volvo XC40 is fitted with lower ISOFix anchorages on the rear outboard seats and top tether anchorages on all rear seats. Installation of typical child restraints available in Australia and New Zealand showed that most child restraints could be accommodated in most rear seating positions, with the centre rear seat failing two of ANCAP's installation assessments.

16.00	(out of 16)
8.00	(out of 8)
11.62	(out of 12)
6.00	(out of 13)
	8.00 11.62

FRONTAL OFFSET TEST (64 KM/H)



6 year old 10 year old

SIDE IMPACT TEST (50 KM/H)



10 year old 6 year old

× NOT AVAILABLE

ON-BOARD SAFETY FEATURES

FITTED TO TEST CAR AS STANDARD

FEATURE	FRONT Passenger	2nd ROW OUTBOARD	2nd ROW CENTRE	3rd ROW OUTBOARD	3rd ROW CENTRE
ISOFix	-	•	×	-	-
Integrated child restraints	-	×	×	-	-
Top tether anchorage	×	•	•	-	-
Airbag disabling	×	-	-	-	-

NOT FITTED TO TEST CAR BUT AVAILABLE AS AN OPTION

NOTE: The child restraints fitted to vehicles tested by Euro NCAP are relevant to the European market. For Australasian consumers, this information should be used as a guide to vehicle features only. For more detailed information about Australian child restraints visit www.childcarseats.com.au.

- NOT APPLICABLE

CHILD OCCUPANT PROTECTION



CHILD RESTRAINT INSTALLATION*

		CHILD RESTRAINT (CRS) TYPE [^]	FRONT ROW		2nd ROW			3rd ROW	
	OHILD RESTRAINT (GRS) TITE		PASSENGER	LEFT	CENTRE	RIGHT	LEFT	CENTRE	RIGHT
		Rearward facing capsule	×	•	•	•	-	-	-
	TYPE A	Rearward facing with harness - convertible (Model A)	×	•	•	•	-	-	-
		Rearward facing with harness - convertible (Model B)	×	•	•	•	-	-	-
BELTED	TYPE B	Forward facing with harness - convertible (Model A)	×	•	•	•	-	-	-
2	ITPE D	Forward facing with harness - convertible (Model B)	×	•	•	•	-	_	-
	TYPE E	Booster - 4 to 8 years	×	•	•	•	-	_	-
	TYPE F	Booster - 4 to 10 years	×		•		-	-	-
		Rearward facing capsule	×		-	•	-	-	-
×	TYPE A	Rearward facing with harness - convertible (Model A)	×		-	•	-	_	-
ISOFIX		Rearward facing with harness - convertible (Model B)	×		-	•	-	-	-
	TYPE B	Forward facing with harness - convertible (Model A)	×	•	-	•	-	_	_
	IIFED	Forward facing with harness - convertible (Model B)	×		-	•	-	-	-

^{*} Installation of each child restraint is assessed separately in each position. Installation of multiple restraints has not been assessed and may not be possible.

INSTALL WITHOUT PROBLEM
 INSTALL WITH CARE
 CANNOT BE FITTED SAFELY
 INSTALLATION NOT ALLOWED
 NOT APPLICABLE

NOTE: The above list of child restraints has been selected to provide a general indication of the rated vehicle's ability to accommodate various CRS types. ANCAP does not endorse or recommend any one CRS brand or model, nor does it rate the safety of child restraints.

The Child Restraint Evaluation Program (CREP) provides an independent assessment on the safety of Australasian child restraints - see www.childcarseats.com.au.

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VULNERABLE ROAD USER PROTECTION



The bonnet of the Volvo XC40 provided GOOD or ADEQUATE protection to the head of a struck pedestrian over most of its surface, with POOR results recorded only on the stiff windscreen pillars. The bumper scored maximum points for its protection of pedestrians' legs, with GOOD results at all test locations. Protection of the pelvis was mixed, with areas of GOOD and POOR performance.

The autonomous emergency braking system is capable of detecting and reacting to vulnerable road users including pedestrians and cyclists. The AEB system offered ADEQUATE performance in tests of its effectiveness in pedestrian test scenarios, with GOOD performance recorded in daylight scenarios and MARGINAL / WEAK performance in some night-time scenarios. In cyclist test scenarios, the AEB system offered ADEQUATE performance.

HEAD IMPACTS	17.06 (out of 24)
UPPER LEG IMPACTS	3.14 (out of 6)
LOWER LEG IMPACTS	6.00 (out of 6)
AEB - Pedestrian	4.18 (out of 6)
AEB - Cyclist	4.11 (out of 6)

PEDESTRIAN IMPACT TEST (40 KM/H)



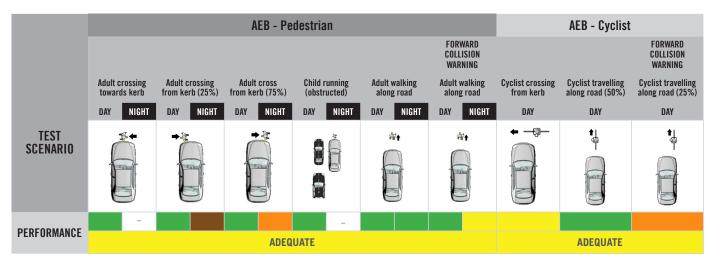
AUTONOMOUS EMERGENCY BRAKING (PEDESTRIAN & CYCLIST)

SYSTEM NAME: IntelliSafe Assist

TYPE: Autonomous emergency braking with forward collision warning

OPERATIONAL FROM: 4 km/h to 210 km/h

DESCRIPTION: Defaults ON for every journey. System detects pedestrians and cyclists in daytime and night.



SAFETY ASSIST



The Volvo XC40 is fitted as standard with a range of safety assist features including autonomous emergency braking (AEB), lane keep assist (LKA) - which warns the driver when the car is drifting out of lane and gently applies steering to correct the path, and emergency lane keeping (ELK) - which intervenes much more aggressively in emergency situations to keep the car on the road or from hitting another vehicle. Tests of its AEB system showed GOOD performance in highway speed scenarios.

A standard-fit speed assistance system (SAS) is also provided which identifies the local speed limit and allows the driver to set the speed accordingly.

A seatbelt reminder system is fitted for all front and rear seating positions.

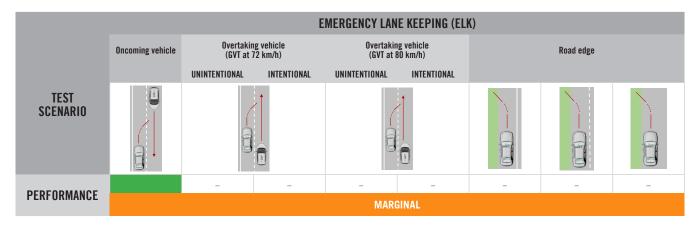
SPEED ASSISTANCE SYSTEMS	2.50 (out of 3)	
SEAT BELT REMINDERS	2.50 (out of 3)	
LANE SUPPORT SYSTEMS	2.50 (out of 4)	
AEB - Interurban	2.73 (out of 3)	

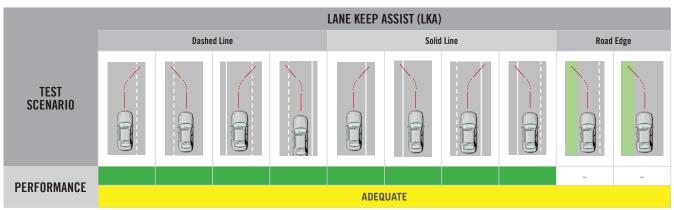
LANE SUPPORT SYSTEMS (LSS)

SYSTEM NAME: Lane Departure Warning with Lane Keeping Aid

OPERATIONAL FROM: 65 km/h to 200 km/h

OVERALL PERFORMANCE: ADEQUATE





HUMAN MACHINE INTERFACE (HMI)			
FUNCTION	Lane Departure Warning (LDW)	PASS	
FUNCTION	Blind Spot Monitoring (BSM)	PASS	
PERFORMANCE	GOOD		

SAFETY ASSIST



AUTONOMOUS EMERGENCY BRAKING (INTERURBAN)

SYSTEM NAME: Intellisafe Assist

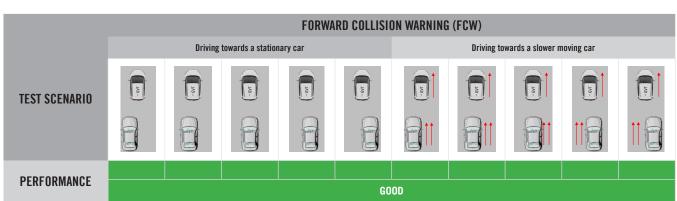
TYPE: Autonomous emergency braking with forward collision warning

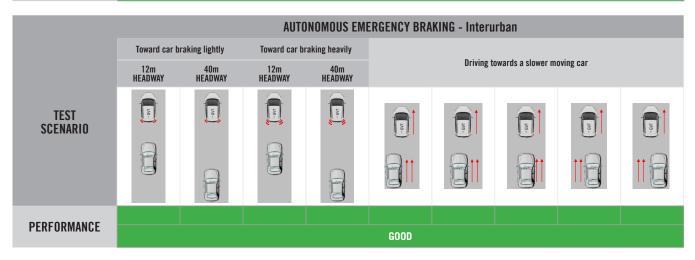
OPERATIONAL FROM: 4 km/h to 210 km/h

DESCRIPTION: Defaults ON for every journey.

OVERALL PERFORMANCE: GOOD

HUMAN MACHINE INTERFACE (HMI) PERFORMANCE MARGINAL





SPEED ASSISTANCE SYSTEMS (SAS) -

SYSTEM NAME: Road sign information & speed limiter

SAS FEATURE	DESCRIPTION
Speed Limit Information Function (SLIF)	Camera & map
Speed Limitation Function	System advised

SEAT BELT REMINDERS (SBR)

WARNING TYPE	DRIVER	FRONT PASSENGER	REAR PASSENGERS
Occupant Detection	-	•	•
Visual	•	•	•
Audible	•	•	•
• PASS • FAIL ×	NOT AVAILAE	LE - NOT APP	LICABLE
GOOD ADEQUATE	MARG	INAL WEA	K POOR

SAFETY FEATURES & TECHNOLOGIES

FFATURE / TECHNOLOGY		AVAILABILITY	
FEATURE / TECHNOLOGY~	AUS	NZ	
Seat belts (three-point) for all forward-facing seats	•	•	
Seat belt pre-tensioners (front)			
Seat belt pre-tensioners (rear outboard)			
Seat belt pre-tensioners (rear centre)	×	×	
Intelligent seat belt reminder (driver)			
Intelligent seat belt reminder (front passenger)			
Intelligent seat belt reminder (2nd row seats)			
Intelligent seat belt reminder (3rd row seats)	_	_	
Airbag - frontal (driver)			
Airbag - frontal (passenger)			
Airbags - side, chest protection (front seats)			
Airbags - side, chest protection (2nd row seats)	×	×	
Airbags - side, chest protection (3rd row seats)	-	_	
Airbags - side, head protection (front seats)			
Airbags - side, head protection (2nd row seats)			
Airbags - side, head protection (3rd row seats)	_	_	
Airbag - knee (driver)			
Airbag - knee (front passenger)	×	×	
Airbag disabling switch - automatic (front passenger)	×	×	
Airbag disabling switch - manual (front passenger)	×	×	
Head restraints for all seats			
Active bonnet	×	×	
Adaptive cruise control (ACC)	0	0	
Adaptive headlights	0	0	
Anti-lock braking system (ABS)			
Autonomous emergency braking (AEB) - City			
Autonomous emergency braking (AEB) - Interurban			
Autonomous emergency braking (AEB) - VRU			
Automatic emergency call (eCall)		×	
Automatic headlights			
Automatic high beam			

FFATURE / TEQUNOLOGY		AVAILABILITY	
FEATURE / TECHNOLOGY~	AUS	NZ	
Blind spot monitor (BSM)	•	•	
Child presence alert	×	×	
Daytime running lights (DRL)			
Electronic brakeforce distribution (EBD)			
Electronic data recorder (EDR)			
Electronic stability control (ESC)			
Emergency brake assist (EBA)			
Emergency stop signal (ESS)			
Fatigue reminder			
Fatigue detection	•		
Forward collision warning (FCW)			
Hill launch assist			
Integrated child seat / restraint	×	×	
ISOFix			
Lane departure warning (LDW)			
Lane keep assist (LKA)			
Pre-crash systems			
Rear cross-traffic alert (RCTA)			
Reversing collision avoidance (camera)			
Reversing collision avoidance (auto brake)			
Roll stability system			
Secondary / multi-collision brake			
Speed assistance - auto / intelligent speed limiter			
Speed assistance - manual speed limiter			
Speed assistance - speed sign recognition & warning			
Smart (intelligent) key	×	×	
Trailer stability control			
Tyre pressure monitoring system (TPMS)			
Vehicle-to-infrastructure communication (V2I)	×	×	
Vehicle-to-vehicle communication (V2V)	×	×	

[~] Specifications & availability subject to change. Please check with the vehicle manufacturer for confirmation of vehicle specification.

● STANDARD ● NOT AVAILABLE ON BASE VARIANT BUT STANDARD OR OPTIONAL ON HIGHER VARIANTS ○ OPTIONAL × NOT AVAILABLE

MODEL VARIANTS:

ANCAP safety ratings do not automatically extend to variants that have different body styles, engine configurations, driven wheels or occupant restraint systems (e.g. fewer airbags). In these cases, ANCAP considers technical evidence submitted by manufacturers before deciding on the extension of a rating to additional variants of a model.

RATING YEAR (DATESTAMP):

The Rating Year denotes the year requirements against which a vehicle has been assessed. The Rating Year is determined by ANCAP and, for vehicles rated from 2018, the Rating Year is the year in which the vehicle was tested.

ASSESSMENT DETAILS

TESTED MAKE / MODEL
TESTED VEHICLE(S) BUILT
TESTED BODY TYPE
TESTED VEHICLE ENGINE
RATING PUBLISHED
RATING UPDATED

Volvo XC40 D4 Momentum LHD 2018 5 door SUV 2.0 litre diesel July 2018