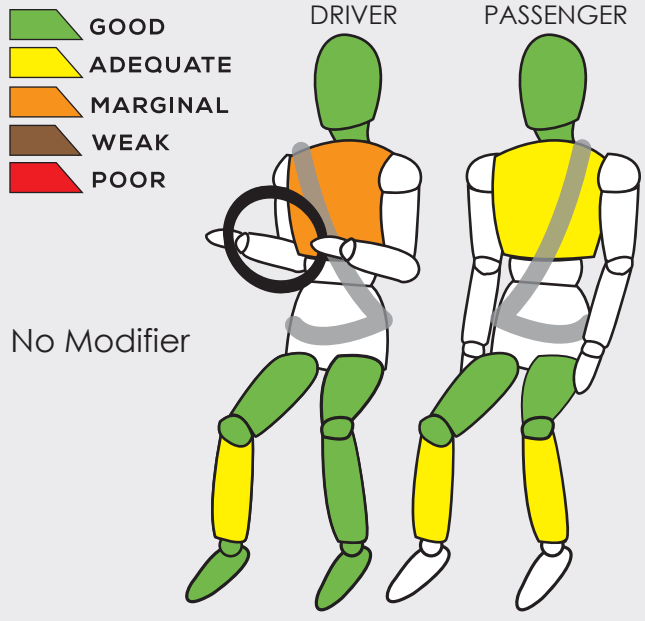
TOYOTA VELOZ

Variant	VELOZ LO
Year Built	2021
Model Year	2021
Vehicle Category	MPV
Engine Capacity	1.5 L
Kerb Mass	1135 kg
No. of Airbags	2
Test Lab	DARI

TESTED VARIANT ORIGIN	INDONESIA	FOR	INDONESIA
OTHER ASEAN PRODUCTION (ALL VARIANTS)	INDONESIA	FOR	BRUNEI, PHILIPPINES, THAILAND, VIETNAM

ADULT OCCUPANT PROTECTION	FRONTAL IMPACT	SIDE IMPACT	HEAD PROTECTION TECHNOLOGY	TOTAL
	14.11	6.59	7.20	27.90

FRONTAL IMPACT



Test data showed there were marginal protection to the driver's chest whilst both occupants' lower legs received adequate protection. Nevertheless, the MPV's frontal occupant compartment remained stable in the frontal offset test.

SIDE IMPACT

The driver received marginal protection to the chest during the side impact test and there was adequate protection to the dummy's abdomen.

SAFETY ITEMS (PASSIVE)

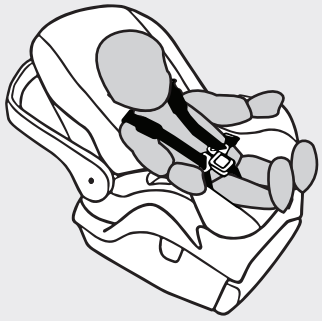
ITEMS	REGION	ASEAN
Airbags	Driver	Standard on all variants
	Passenger	Standard on all variants
	Side (2)	Available as standard or optional
	Curtain (2)	Available as standard or optional
	Knee	Not available
Seatbelts	Retractor Pre-tensioner & Load Limiter for Driver	Standard on all variants
	Retractor Pre-tensioner & Load Limiter for Passenger	Standard on all variants

CHILD OCCUPANT PROTECTION	DYNAMIC TEST	VEHICLE BASED	INSTALLATION	CHILD DETECTION	TOTAL
	24.00	9.00	10.78	0.00	43.78

DYNAMIC TEST ASSESSMENT

18-MONTH-OLD CHILD

Restraint : Joyson i-Size MIDI
Facing : Rearward Facing
Installation : ISOFIX & Supportleg



Frontal Impact	:	8.00
Side Impact	:	4.00
Total Performance	:	12.00

3-YEAR-OLD CHILD

Restraint : Joyson i-Size MIDI
Facing : Rearward Facing
Installation : ISOFIX & Supportleg

Frontal Impact	:	8.00
Side Impact	:	4.00
Total Performance	:	12.00

CRS INSTALLATION ASSESSMENT

CRS	DIRECTION	SEAT POSITION						
		FRONT	2ND ROW			3RD ROW		
		PASSENGER	LEFT	CENTRE	RIGHT	LEFT	CENTRE	RIGHT
Peg-Perego Primo Viaggo SL	Rwd	EXEMPT	PASS	FAIL	PASS	PASS	N/A	PASS
Joie Stages	Rwd	EXEMPT	PASS	FAIL	PASS	PASS	N/A	PASS
Joie Stages	Fwd	PASS	PASS	FAIL	PASS	PASS	N/A	PASS
Combi Buon Junior Air	Fwd	PASS	PASS	FAIL	PASS	PASS	N/A	PASS
Maxi Cosi Cabriofix + Family Fix	Rwd	EXEMPT	PASS	EXEMPT	PASS	EXEMPT	N/A	EXEMPT
Joie Every Stage Fx	Fwd	EXEMPT	PASS	EXEMPT	PASS	EXEMPT	N/A	EXEMPT
Joie Every Stage Fx	Rwd	EXEMPT	PASS	FAIL	PASS	PASS	N/A	PASS
Maxi Cosi Titan Pro	Fwd	EXEMPT	PASS	EXEMPT	PASS	N/A	N/A	N/A
Britax KidfFix 2 R	Fwd	PASS	PASS	FAIL	PASS	PASS	N/A	PASS
Joyson i-Size MIDI*	Rwd	EXEMPT	PASS	EXEMPT	PASS	N/A	N/A	N/A
Joyson i-Size MIDI*	Rwd	EXEMPT	PASS	EXEMPT	PASS	N/A	N/A	N/A

PASS : Install without problem, FAIL : Safety critical problem, EXEMPT : Installation not allowed, N/A : Not available
**Manufacturer's selection*

SAFETY ASSIST	EFFECTIVE BRAKING & AVOIDANCE	SEATBELT REMINDERS	AUTONOMOUS EMERGENCY BRAKING	ADVANCED SATs	TOTAL
	6.00	4.50	4.00	2.33	16.83

ITEMS	ASEAN
Effective Braking & Avoidance	
Anti-lock Braking System	Standard on all variants
Electronic Stability Control	Standard on all variants
Seatbelt Reminders	
Driver	Standard on all variants
Front Passengers	Standard on all variants
Rear Passengers	Standard on all variants
Rear Seat Occupant Detection	Not available
Autonomous Emergency Braking	
City	Available as standard or optional
Inter-Urban	Available as standard or optional
Pedestrian	Not available
Advanced Safety Assist Technologies	
Lane Departure Warning System	Available as standard or optional
Forward Collision Warning System	Available as standard or optional
Lane Keep Assist	Available as standard or optional

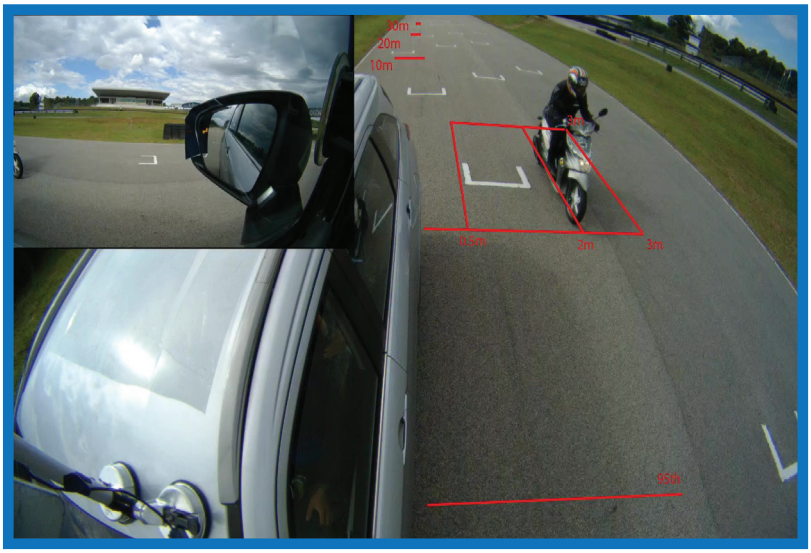
AUTONOMOUS EMERGENCY BRAKING ASSESSMENT

ASEAN NCAP is introducing the Autonomous Emergency Braking (AEB) system functionality assessment in its new 2021-2025 protocol. In the protocol, ASEAN NCAP assessed the functionality and effectiveness of AEB City and AEB Inter-Urban systems fitted inside the vehicle in performing emergency braking at several speeds against another preceeding vehicle. Both the AEB City and Inter-Urban systems are available in the new Toyota Veloz as standard or optional fitment accross all variants. In this assessment, ASEAN NCAP confirms the technologies have functioned according to ASEAN NCAP requirements.

MOTORCYCLIST SAFETY	BLIND SPOT DETECTION	REAR VISUALIZATION	HEADLIGHT	PEDESTRIAN	ADVANCED MST	TOTAL
	6.67	0.00	0.87	2.00	0.00	9.53

ITEMS	ASEAN
Blind Spot Detection	
Nearside	Available as standard or optional
Offside	Available as standard or optional
Rear Visualization	
Advanced Rear Visualization	Not available
Headlight	
Auto High Beam	Available as standard or optional
Pedestrian	
Pedestrian Protection	Standard on all variants
Advanced Motorcyclist Safety Technology	
Nil	–

BLIND SPOT DETECTION ASSESSMENT



Starting from the 2017-2020 protocol, ASEAN NCAP had introduced assessment on the functionality of Blind Spot Technology fitted inside the assessed vehicle. ASEAN NCAP continues the assessment under the new Motorcyclist Safety pillar for the new 2021-2025 protocol. The new Toyota Veloz is equipped with Blind Spot Detection (BSD) on the driver and passenger sides of the vehicle as standard or optional fitment. In this assessment, ASEAN NCAP confirms the technology has functioned according to ASEAN NCAP requirements on both the left and right sides area of the vehicle.

OVERALL RATING

The new Toyota Veloz is Toyota's first model to be assessed under the new ASEAN NCAP 2021-2025 assessment protocol. The new MPV offers standard 6 airbags in all available countries except for Indonesia that offers variants with 2 airbags. The 7-seater model is equipped with Anti-lock Braking System, Electronic Stability Control, Seat Belt Reminder system for both frontal and rear occupant seats and Pedestrian Protection technology as standard fitment across all its variants. Autonomous Emergency Braking (AEB) City and AEB Inter-Urban systems are available as standard for Brunei market. The Veloz is also equipped with Blind Spot Detection (BSD) as standard fitment for the market in Brunei, Thailand and Vietnam. It also offers other safety assist technologies namely Forward Collision Warning, Lane Departure Warning and Lane Keep Assist as optional. The new Toyota Veloz performed well in the test with a total score of 79.99 points from the AOP, COP, SA and MS categories. The score has placed the MPV to be eligible to receive 5-Star ASEAN NCAP rating.

AOP			COP			SAFETY ASSIST			MS			2021 - 2025 ASEAN NCAP RATING
Item	Point	Max	Item	Point	Max	Item	Point	Max	Item	Point	Max	
ODB	14.11	16.00	FRONTAL	16.00	16.00	EBA	6.00	6.00	BSD/BSV	6.67	8.00	5
SIDE	6.59	8.00	SIDE	8.00	8.00	SBR	4.50	6.00	ARV	-	4.00	
HPT Evaluation	7.20	8.00	Installation	10.78	12.00	AEB City	1.67	2.50	AHB	0.87	2.00	
			Vehicle Based	9.00	13.00	AEB Inter-Urban	2.33	3.50	Ped. Protection	2.00	2.00	
			CPD	-	2.00	Advanced SATs	2.33	3.00	Advanced MST*	-	2.00	
Score	27.90	32.00		43.78	51.00		16.83	21.00		9.53	16.00	
Normalized Score	0.87			0.86			0.80			0.60		
Weighting	40%			20%			20%			20%		OVERALL SCORE
Weighted Score	34.88			17.17			16.03			11.92		79.99
Maximum Star Rating	5			5			5			5		5

*Bonus Point