



Toyota Aygo X
Standard Safety Equipment

2022



Adult Occupant



78%

Child Occupant



78%

Vulnerable Road Users



74%

Safety Assist



81%

SPECIFICATION

Tested Model	Toyota Aygo X, 1.0 petrol 'Play', LHD
Body Type	- 5 door hatchback
Year Of Publication	2022
Kerb Weight	990kg
VIN From Which Rating Applies	- all Aygo X's
Class	Supermini

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 240622

SAFETY EQUIPMENT (NEXT)

	Driver	Passenger	Rear
CHILD PROTECTION			
Isifix/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 29.9 Pts / 78%

■ GOOD
 ■ ADEQUATE
 ■ MARGINAL
 ■ WEAK
 ■ POOR

Frontal Impact 11.6 / 16 Pts

Mobile Progressive Deformable Barrier Full Width Rigid Barrier

Lateral Impact 12.3 / 16 Pts

Side Mobile Barrier Side Pole Far-Side Excursion Occupant Interaction

Rear Impact 3.9 / 4 Pts

Rear Seat Front Seat

ADULT OCCUPANT

Total 29.9 Pts / 78%

■ 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 Aygo X remained stable in the frontal offset test. Dummy numbers demonstrated good protection for the knees and femurs, apart from the driver's left femur. As a result a penalty was applied to the score of this body region because of structure in the dashboard which could present a risk of injury to 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 Aygo X would be a benign impact partner in a frontal collision. In the full width rigid-barrier impact, protection of all critical body areas was good for the driver, apart from the chest, protection of which was rated as marginal. In both the side barrier test and the more severe side pole impact, protection of all critical body areas was good and maximum points were scored. 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 weak. The Aygo X does not have a counter-measure to mitigate against occupant to occupant injuries in such impacts. 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 Aygo X has an advanced eCall system which alerts the emergency services in the event of a crash and the car also has a system which applies the brakes after an impact to avoid secondary collisions.

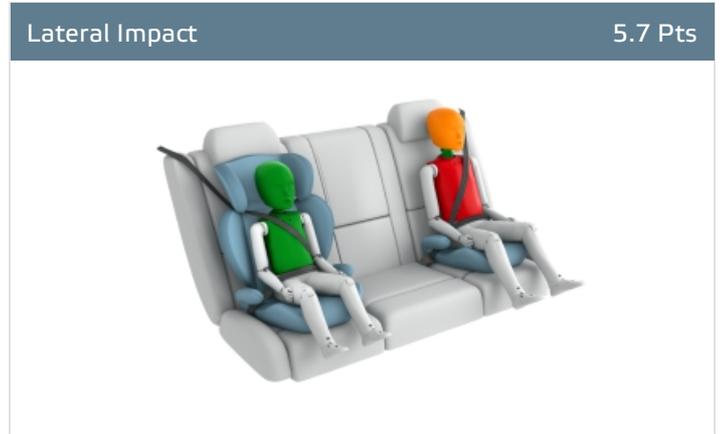
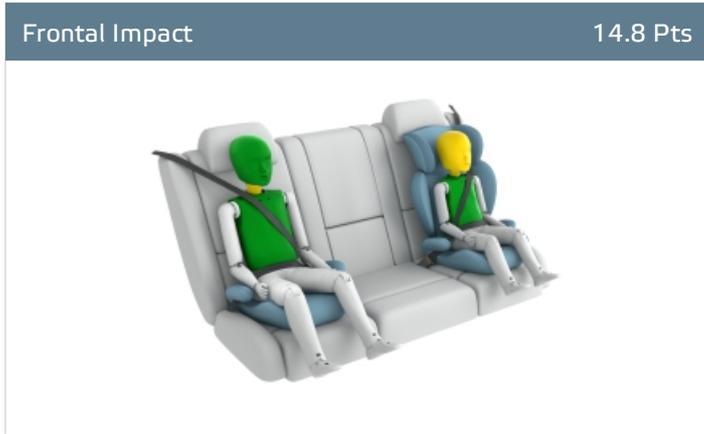
CHILD OCCUPANT

Total 38.5 Pts / 78%

■ GOOD
 ■ ADEQUATE
 ■ MARGINAL
 ■ WEAK
 ■ POOR

Crash Test Performance based on 6 & 10 year old children

20.5 / 24 Pts



Restraint for 6 year old child: *Toyota KidFix IIS*
 Restraint for 10 year old child: *Toyota MAXI PLUS*

Safety Features

6.0 / 13 Pts

	Front Passenger	2nd row outboard
Isofix	✘	●
i-Size	✘	●
Integrated CRS	✘	✘

● Fitted to test car as standard
 ○ Not on test car but available as option
 ✘ Not available

CRS Installation Check

12.0 / 12 Pts

- Install without problem
- Install with care
- Safety critical problem
- ✗ Installation not allowed

■ i-Size CRS

<p>Maxi Cosi 2way Pearl & 2wayFix (i-Size)</p> 	<p>Maxi Cosi 2way Pearl & 2wayFix (i-Size)</p> 	<p>BeSafe iZi Kid X2 i-Size (i-Size)</p> 
<p>Britax Römer TriFix2 i-Size (i-Size)</p> 	<p>BeSafe iZi Flex FIX i-Size (i-Size)</p> 	
<p>BeSafe iZi Combi X4 ISOfix (ISOfix)</p> 	<p>Cybex Solution Z i-Fix (ISOfix)</p> 	

■ ISOfix CRS

 CHILD OCCUPANT

Total 38.5 Pts / 78%

■ 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 38.5 Pts / 78%

	Seat Position		
	Front	2nd row	
	PASSENGER	LEFT	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

In both the frontal offset test, protection of all critical body areas was good or adequate for all critical body areas, for both the 6 and 10 year dummy. However, in the side barrier impact, dummy measurements of accelerations in the head and chest of the 10 year dummy indicated marginal and poor protection, respectively. The front passenger airbag can be disabled to allow a rear-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**

Total 40.3 Pts / 74%

GOOD
 ADEQUATE
 MARGINAL
 WEAK
 POOR

Pedestrian

27.0 / 36 Pts



Head Impact	17.9 Pts
Pelvis Impact	3.1 Pts
Leg Impact	6.0 Pts

Vulnerable Road Users

13.3 / 18 Pts

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

 VULNERABLE ROAD USERS

Total 40.3 Pts / 74%

AEB Pedestrian

 6.9 / 9 Pts

■ Day time

Vehicle reversing into standing pedestrian



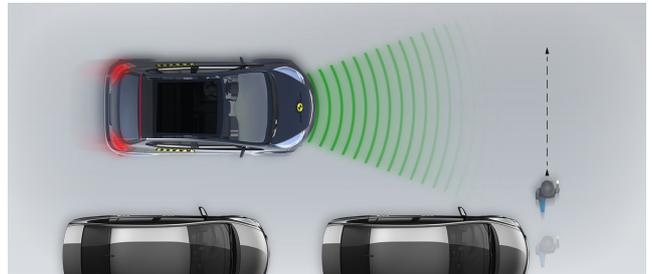
Pedestrian crossing a road into which a car is turning



Adult crossing the road



Child running from behind parked vehicles



Adult along the roadside

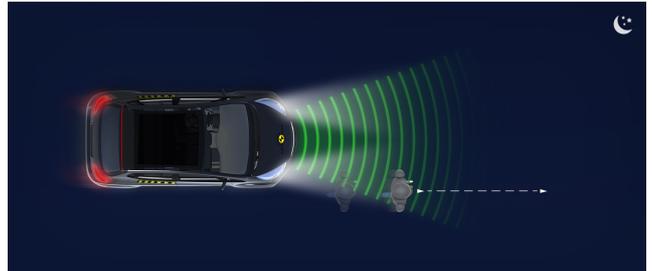


■ Night time

Adult crossing the road



Adult along the roadside

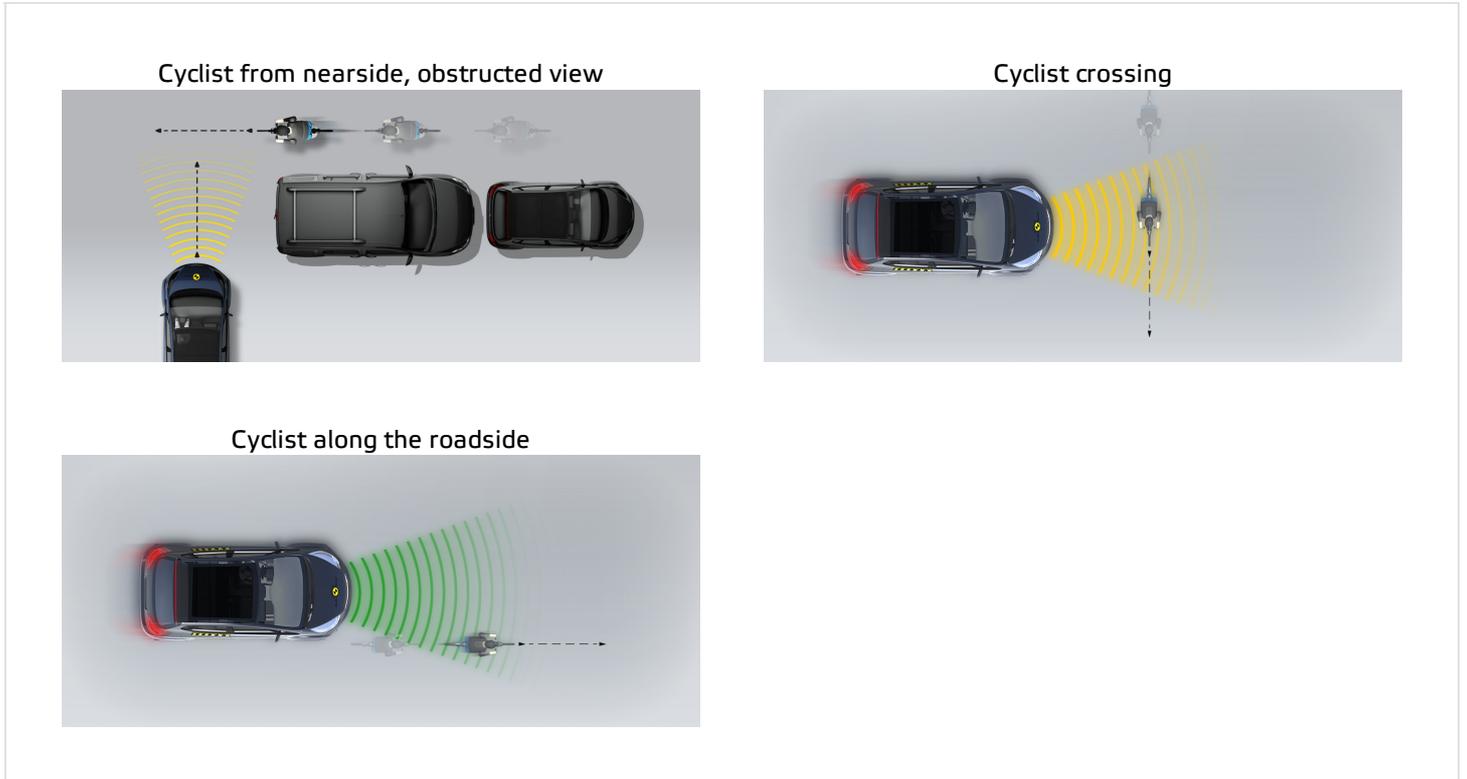


 VULNERABLE ROAD USERS

Total 40.3 Pts / 74%

AEB Cyclist

 6.4 / 9 Pts



Comments

The protection offered by the bonnet to the head of a struck pedestrian was predominantly good or adequate, with some areas of poor protection on the stiff windscreen pillars. The bumper provided good protection to pedestrians' legs at all test locations but protection of the pelvis was mixed. The autonomous emergency braking (AEB) system of the Aygo X can detect vulnerable road users, as well as other vehicles. The system performed well in tests of its response to pedestrian and adequately in tests of its response to cyclists.

SAFETY ASSIST

Total 13.0 Pts / 81%

■ GOOD
 ■ ADEQUATE
 ■ MARGINAL
 ■ WEAK
 ■ POOR

Speed Assistance

■ 2.4 / 3 Pts

System Name	Dynamic Radar Cruise Control with Road Sign Assist as part of Toyota Safety Sense
Speed Limit Information Function	Camera based, subsigns supported
Speed Limitation Function	System advised (accurate to 5km/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 wheel input, lane position
Operational From	50 km/h

SAFETY ASSIST

Total 13.0 Pts / 81%

Lane Support

2.8 / 4 Pts

System Name	Lane Departure Alert with Steering Control (part of Toyota Safety Sense)	
Type	LKA and ELK	
Operational From	50 km/h	
PERFORMANCE		
Emergency Lane Keeping		GOOD
Lane Keep Assist		GOOD
Human Machine Interface		POOR

AEB Car-to-Car

4.8 / 6 Pts

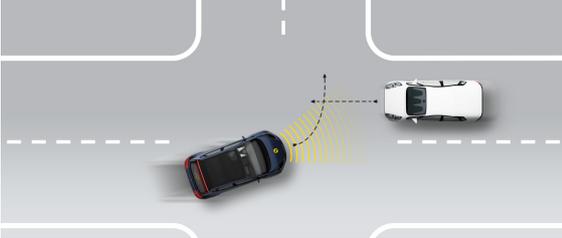
Type	Autonomous emergency braking and forward collision warning	
Operational From	10 km/h	
Sensor Used	camera and radar	

 SAFETY ASSIST

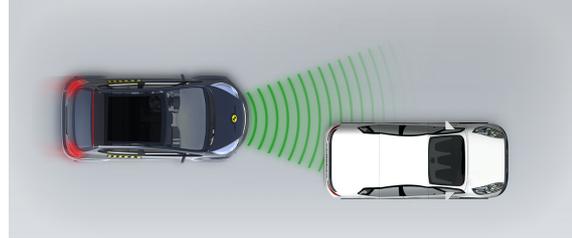
Total 13.0 Pts / 81%

■ Autobrake function only

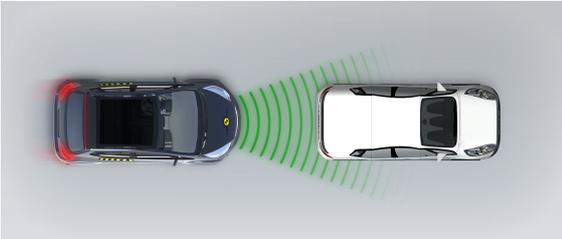
Test car turns across the path of an approaching car



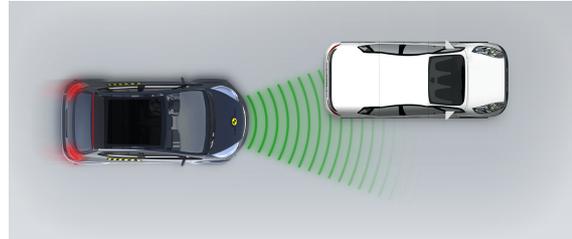
Approaching a stationary car



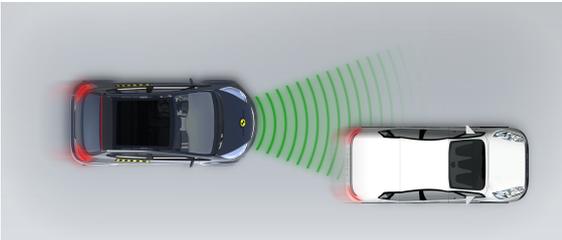
Approaching a stationary car



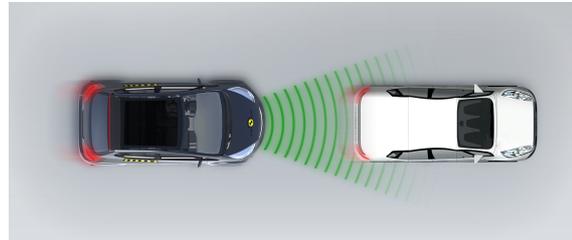
Approaching a stationary car



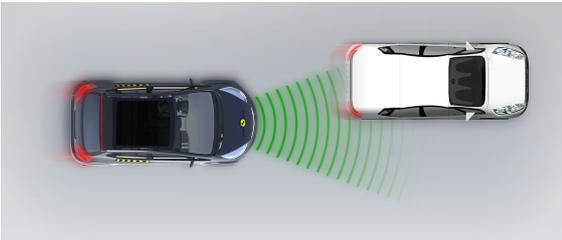
Approaching a slower moving car



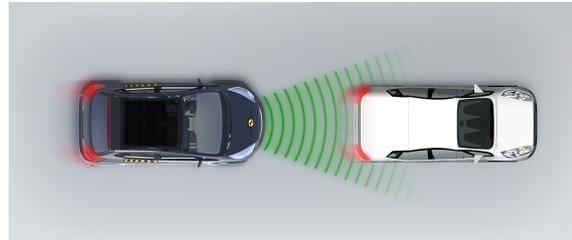
Approaching a slower moving car



Approaching a slower moving car



Approaching a braking car

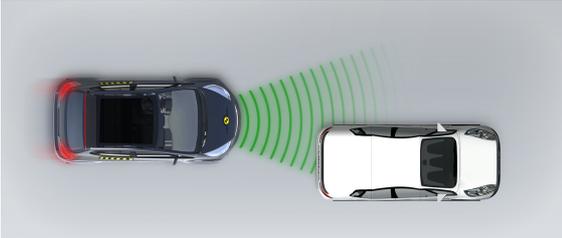


 SAFETY ASSIST

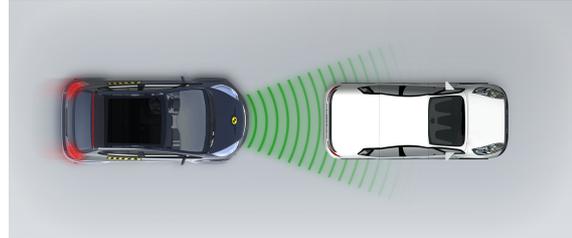
Total 13.0 Pts / 81%

■ Driver reacts to warning

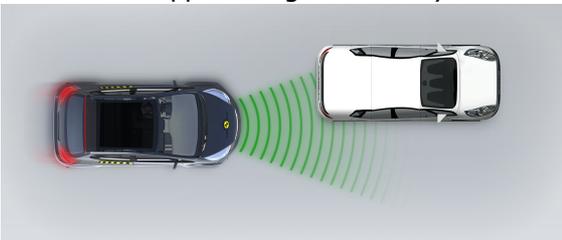
Approaching a stationary car



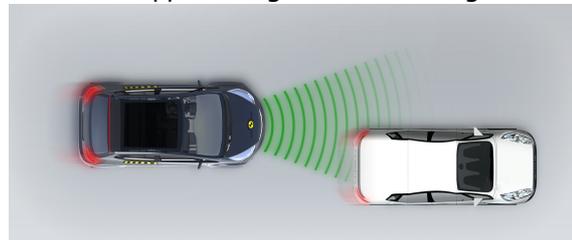
Approaching a stationary car



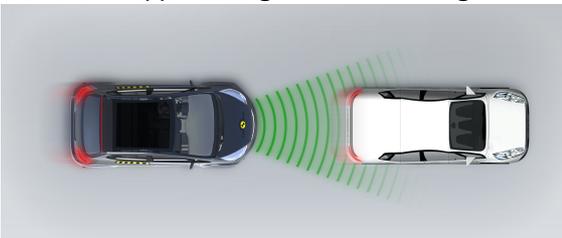
Approaching a stationary car



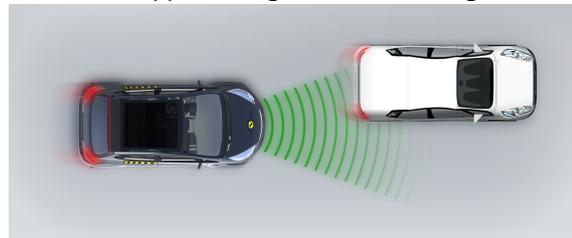
Approaching a slower moving car



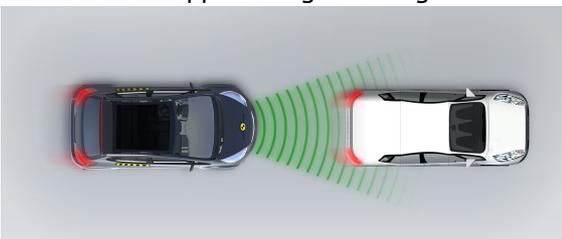
Approaching a slower moving car



Approaching a slower moving car



Approaching a braking car





SAFETY ASSIST

Total 13.0 Pts / 81%

Comments

The AEB system performed well in tests of its response to other vehicles, with impacts avoided or mitigated in most test scenarios. A seatbelt reminder system is standard and the car is equipped with a system which monitors steering inputs and issues a warning when a pattern characteristic of drowsy or impaired driving is detected. A driver-set speed limiter is standard equipment. If the car is drifting out of lane, a lane keep assist system gently corrects the vehicle's path. The system also intervenes in some more critical situations, to avoid road departure for example.

RATING VALIDITY

Variants of Model Range

Body Type	Engine	Grade	Drivetrain	Rating Applies	
				LHD	RHD
5 door hatchback	1.0 petrol	Envy Pulse* Play Limited	4 x 2	✓	✓

* Tested variant

Annual Reviews and Facelifts

Date	Event	Outcome
July 2022	Rating Published	2022 ★★☆☆☆ ✓