



**Genesis GV80**  
Standard Safety Equipment

2021



Adult Occupant



91%

Child Occupant



87%

Vulnerable Road Users



66%

Safety Assist



88%

## SPECIFICATION

Tested Model	Genesis GV80 3.0CRDi GLS, LHD
Body Type	- 5 door SUV
Year Of Publication	2021
Kerb Weight	2070kg
VIN From Which Rating Applies	- all GV80s
Class	Large Off-Road

## SAFETY EQUIPMENT

	Driver	Passenger	Rear
<b>FRONTAL CRASH PROTECTION</b>			
Frontal airbag	●	●	—
Belt pretensioner	●	●	●
Belt loadlimiter	●	●	●
Knee airbag	●	✘	—
<b>LATERAL CRASH PROTECTION</b>			
Side head airbag	●	●	●
Side chest airbag	●	●	●
Side pelvis airbag	●	●	—
Centre Airbag	●	●	✘

Version 140521

## SAFETY EQUIPMENT (NEXT)

	Driver	Passenger	Rear
CHILD PROTECTION			
Isofix	—	✘	●
Integrated CRS	—	✘	✘
Airbag cut-off switch	—	●	—
SAFETY ASSIST			
Seat Belt Reminder	●	●	●

OTHER SYSTEMS	
Active Bonnet	✘
AEB Vulnerable Road Users	●
AEB Car-to-Car	●
AEB Pedestrian - Reverse	○
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 34.9 Pts / 91%

■ GOOD   
 ■ ADEQUATE   
 ■ MARGINAL   
 ■ WEAK   
 ■ POOR

Frontal Impact 13.6 / 16 Pts

Mobile Progressive Deformable Barrier      Full Width Rigid Barrier

Lateral Impact 16.0 / 16 Pts

Side Mobile Barrier      Side Pole      Far-Side Excursion      Occupant Interaction

Rear Impact 3.4 / 4 Pts

Rear Seat      Front Seat

 ADULT OCCUPANT

Total 34.9 Pts / 91%

■ 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 GV80 remained stable in the frontal offset test. Dummy readings indicated good protection of the knees and femurs of the driver and passenger. Genesis showed that a similar level of protection would be provided to the upper legs of occupants of different sizes and to those sitting in different positions. Analysis of the deceleration of the impact trolley during the test, and of the deformation of the barrier afterwards, revealed that the GV80 would be quite an aggressive crash partner to other vehicles. In the full width rigid barrier test, protection of both dummies was good or adequate. In both the side barrier and side pole tests, protection of all critical body areas was good and the GV80 scored maximum points. Limitation of occupant excursion - the extent to which the occupant is flung to the other side of the vehicle in a side impact - was rated as good. The GV80 is equipped with a centre airbag to protect against occupant to occupant injuries in side impacts. The airbag performed well in Euro NCAP's tests, with good protection of the dummies' heads. Tests on the front seats and head restraints demonstrated good protection against whiplash injuries in the event of a rear-end collision. A geometric assessment of the rear seats indicated marginal whiplash protection. The GV80 has an advanced eCall system which automatically alerts the emergency services in the event of a collision, and multi-collision braking to prevent secondary impacts.

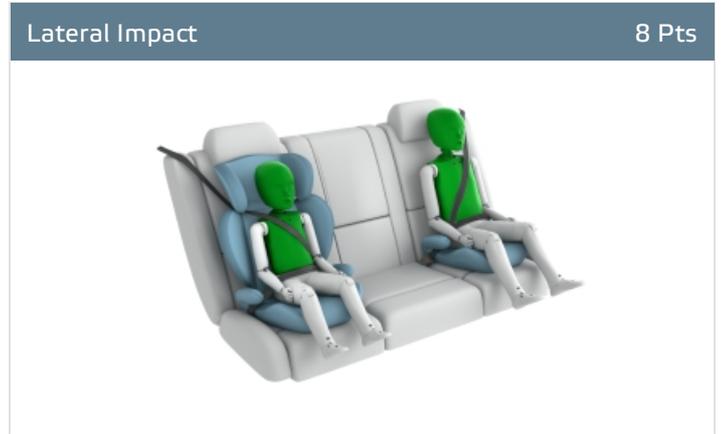
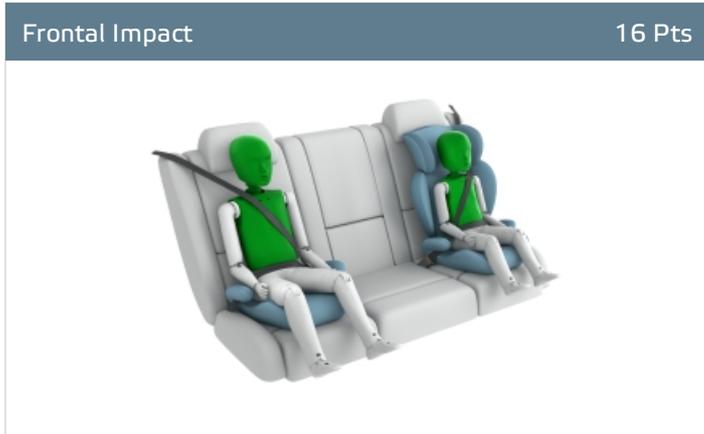
**CHILD OCCUPANT**

Total 43 Pts / 87%

■ GOOD   
 ■ ADEQUATE   
 ■ MARGINAL   
 ■ WEAK   
 ■ POOR

Crash Test Performance based on 6 & 10 year old children

24.0 / 24 Pts



Restraint for 6 year old child: *Britax Römer Kidfix 2R*  
 Restraint for 10 year old child: *Nania Dream*

**Safety Features**

7.0 / 13 Pts

	Front Passenger	2nd row outboard	2nd row center	3rd 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

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 (ISOFIX)



 CHILD OCCUPANT

Total 43 Pts / 87%

■ Universal Belted CRS

Maxi Cosi Cabriofix (Belt)



Maxi Cosi Cabriofix & EasyFix (Belt)



Britax Römer King II LS (Belt)



Cybex Solution Z (Belt)



## CHILD OCCUPANT

Total 43 Pts / 87%

	Seat Position					
	Front	2nd row			3rd row	
	PASSENGER	LEFT	CENTER	RIGHT	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 (ISOFIX)	—	●	—	●	—	—
Maxi Cosi Cabriofix (Belt)	●	●	●	●	●	●
Maxi Cosi Cabriofix & EasyFix (Belt)	●	●	✘	●	●	●
Britax Römer King II LS (Belt)	●	●	●	●	●	●
Cybex Solution Z (Belt)	●	●	●	●	●	●

● Install without problem    
 ● Install with care    
 ● Safety critical problem    
 ✘ Installation not allowed

— Not available

## Comments

In the frontal offset test and the side barrier impact, protection of all critical body areas was good for both the 6 and 10 year dummies and the GV80 scored maximum points in this part of the assessment. The front passenger airbag can be switched off to allow a rearward facing child restraint to be used in that seating position. All of the child restraint types for which the GV80 is designed could be properly installed and accommodated.

 **VULNERABLE ROAD USERS**

Total 36.0 Pts / 66%

GOOD
  ADEQUATE
  MARGINAL
  WEAK
  POOR

Pedestrian

22.9 / 36 Pts



Head Impact	15.6 Pts
Pelvis Impact	1.3 Pts
Leg Impact	6.0 Pts

Vulnerable Road Users

13.1 / 18 Pts

System Name	Forward Collision Avoidance (FCA)
Type	Auto-Brake with Forward Collision Warning
Operational From	5 km/h

 VULNERABLE ROAD USERS

Total 36.0 Pts / 66%

AEB Pedestrian

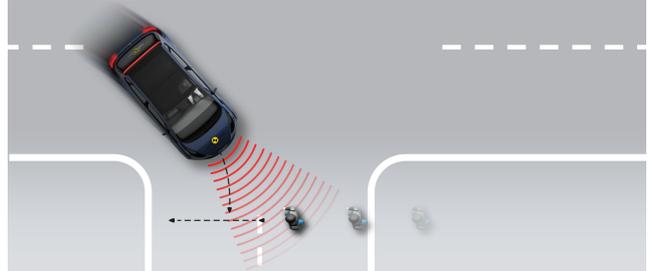
 6.0 / 9 Pts

■ Day time

Vehicle reversing into standing pedestrian



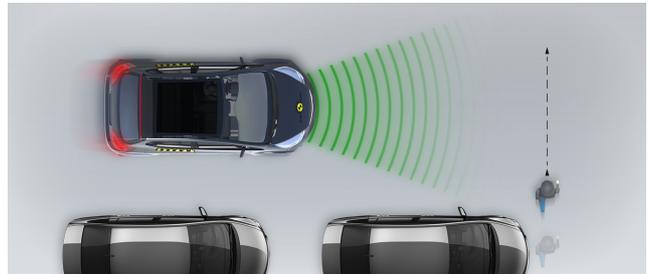
Pedestrian crossing a road into which a car is turning



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 36.0 Pts / 66%

**AEB Cyclist**
**7.1 / 9 Pts**

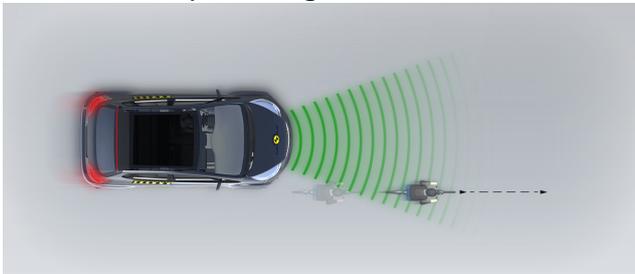
Cyclist from nearside, obstructed view



Cyclist crossing



Cyclist along the roadside

**Comments**

The bonnet provided protection that was predominantly good or adequate over most of its surface. The bumper provided good protection to pedestrian's legs at all test positions. However, protection of the pelvis was predominantly poor. The GV80's autonomous emergency braking (AEB) system detects vulnerable road users like pedestrians and cyclists, as well as other vehicles. In tests of the system's response to pedestrians, performance was rated as adequate. The system's response to cyclists was good, with collisions being avoided or mitigated in most test scenarios.

**SAFETY ASSIST**

Total 14.2 Pts / 88%

■ GOOD   
 ■ ADEQUATE   
 ■ MARGINAL   
 ■ WEAK   
 ■ POOR

**Speed Assistance**

■ 2.8 / 3 Pts

System Name	Speed Limiter
Speed Limit Information Function	Camera & Map, subsigns supported
Speed Limitation Function	System advised (accurate to 5km/h)

**Occupant Status Monitoring**

■ 2.8 / 3 Pts

> **Seatbelt Reminder**

■ 1.8 / 2 Pts

Applies To	Front and rear seats, including third row		
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	Driver Attention Warning (DAW)
Type	Steering input
Operational From	0 km/h

## SAFETY ASSIST

Total 14.2 Pts / 88%

## Lane Support

3.3 / 4 Pts

System Name	Lane Keep Assist (LKA)	
Type	LKA and ELK	
Operational From	60 km/h	
<b>PERFORMANCE</b>		
Emergency Lane Keeping		GOOD
Lane Keep Assist		GOOD
Human Machine Interface		GOOD

## AEB Car-to-Car

5.4 / 6 Pts

System Name	Forward Collision Avoidance (FCA)	
Type	Autonomous emergency braking and forward collision warning	
Operational From	5 km/h	
Sensor Used	camera and radar	

 SAFETY ASSIST

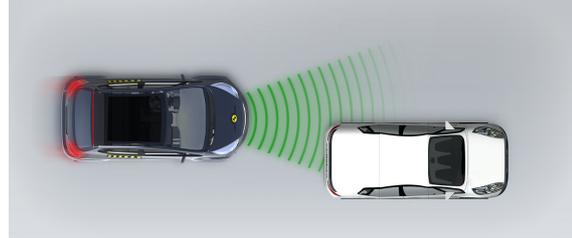
Total 14.2 Pts / 88%

■ Autobrake function only

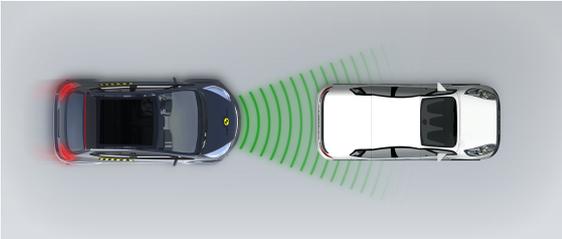
Test car turns across the path of an approaching car



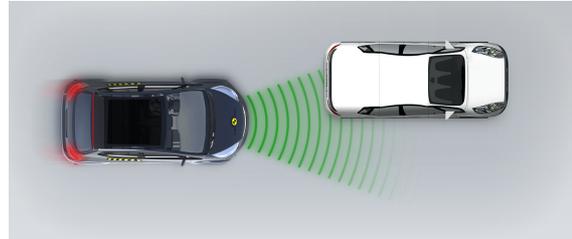
Approaching a stationary car



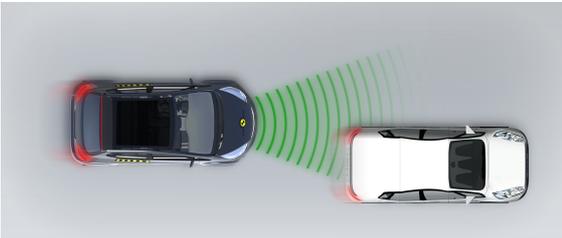
Approaching a stationary car



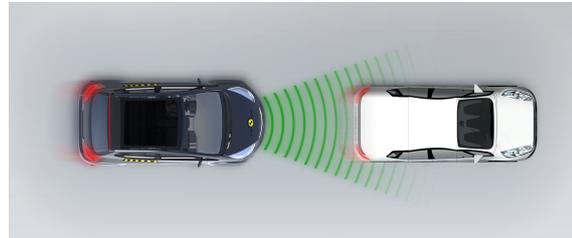
Approaching a stationary car



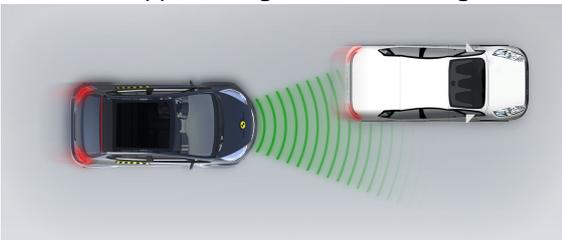
Approaching a slower moving car



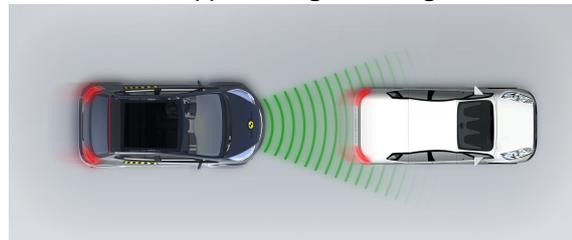
Approaching a slower moving car



Approaching a slower moving car



Approaching a braking car

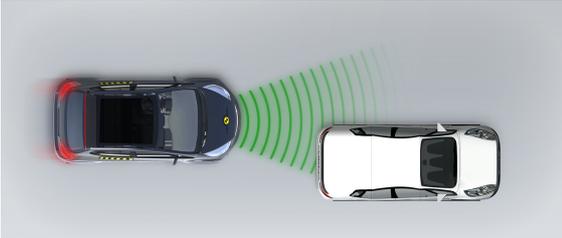


 SAFETY ASSIST

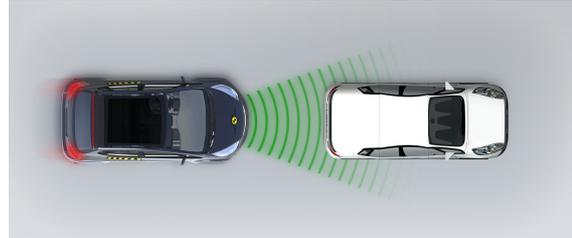
Total 14.2 Pts / 88%

■ Driver reacts to warning

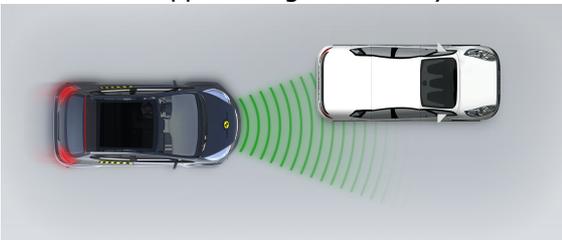
Approaching a stationary car



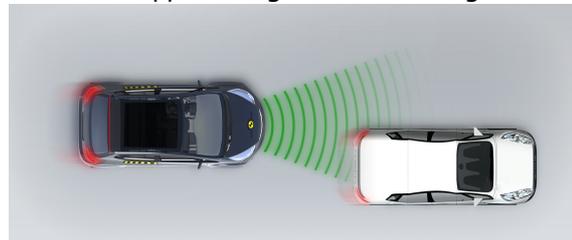
Approaching a stationary car



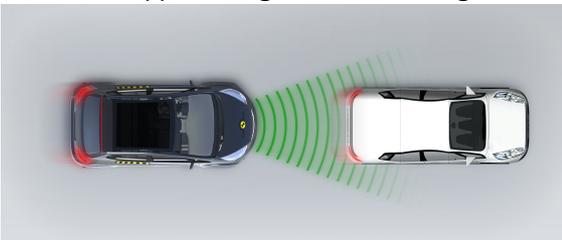
Approaching a stationary car



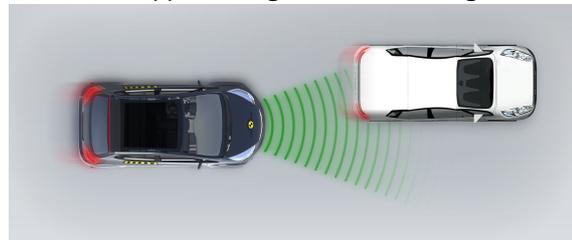
Approaching a slower moving car



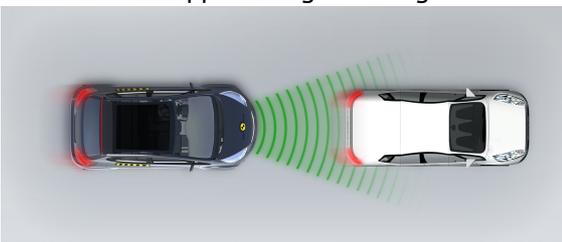
Approaching a slower moving car



Approaching a slower moving car



Approaching a braking car



 SAFETY ASSIST

Total 14.2 Pts / 88%

## Comments

The GV80's autonomous emergency braking (AEB) system performed well in tests of its reaction to other vehicles, with impacts avoided in almost all cases. A seatbelt reminder system is standard for all seats and the GV80 is also equipped with 'Driver Attention Warning', which monitors steering inputs for patterns which are characteristic of a fatigued or inattentive driver. Lane assistance is provided by 'Lane Keep Assist' which corrects the car's path if it is drifting out of lane and which also intervenes in some more critical situations. A speed limit information system uses a camera and digital mapping to identify local limits, allowing the driver to set the limiter appropriately.

## RATING VALIDITY

### Variants of Model Range

Body Type	Engine & Transmission	Model Name/Code	Drivetrain	Rating Applies	
				LHD	RHD
5 door SUV	3.0 litre diesel	3.0 CRDi*	4 x 4		
5 door SUV	2.5 litre petrol	2.5 T-GDI	4 x 4		

\* Tested variant

### Annual Reviews and Facelifts

Date	Event	Outcome
May 2021	Rating Published	2021