

ANCAP Safety Rating

MASERATI GIBLI (From 2014)



Test Vehicle(s).

Test Variant:	3.0 diesel TDS LHD
Kerb Mass:	1880 kg
Built:	2013
Engine:	3.0 diesel
Category:	Luxury Car
Variant Applicability*:	All



Frontal offset test at 64 km/h (Euro NCAP)

Airbags	ESC	Frontal Offset	Side Impact	Pole	Whiplash	Pedestrian	Seat Belt Reminders	Overall Score	ANCAP Safety Rating
Frontal + Side + Head + Knee	Standard	15.47 (out of 16)	16.00 (out of 16)	2 (out of 2)	GOOD	ACCEPTABLE	3 (out of 3)	36.47 (out of 37)	★★★★★

The Maserati Ghibli was introduced in Australia and New Zealand in 2014. This ANCAP safety rating applies to all variants.

Dual frontal, side chest and side head airbags (curtains) and a driver knee airbag are standard. Antilock brakes (ABS), electronic brake distribution (EBD) and electronic stability control (ESC) are also standard.

In the frontal offset crash test, driver and passenger leg protection was acceptable. There was good protection for the driver in the side impact test. Head protection in the side pole test was also good.

OCCUPANT PROTECTION

Frontal Offset Test.

Each body region is scored out of 4 points

Head / neck:	4.00 points
Chest:	4.00 points
Upper legs:	4.00 points
Lower legs:	3.47 points

The passenger compartment held its shape well in the frontal offset test. Pedal and steering wheel displacements were well controlled. Driver and passenger contact with the airbags was stable. All doors remained closed during the crash.

Side Impact Test.

Each body region is scored out of 4 points

Head:	4.00 points
Chest:	4.00 points
Abdomen:	4.00 points
Pelvis:	4.00 points

Good protection was provided for the driver in the side impact test. The side airbags performed well.

Pole Test.

Scored out of 2 points

The vehicle was eligible for a side pole test because it has side curtain airbags. The vehicle scored the maximum 2 points for head protection in this test.

Whiplash Protection Test.

Whiplash protection is assessed to the RCAR Protocol

Geometric test:	Good
Dynamic test:	Good

Overall whiplash rating: Good

Injury Outcomes.

Frontal Offset Driver



Passenger



Side Impact & Pole Driver



Whiplash



PEDESTRIAN PROTECTION

Pedestrian Test.

ACCEPTABLE - Scored 26.84 out of 36 points

Child head impacts:	14.84 points
Adult head impacts:	0.00 points
Upper leg impacts:	6.00 points
Lower leg impacts:	6.00 points

The bumper scored maximum points for its protection of pedestrians' legs, with good results in all areas tested. The front edge of the bonnet also scored maximum points in Euro NCAP's tests. The bonnet provided protection to the head that was largely good or adequate, with poor results recorded at the base of the windscreen and along the stiff windscreen pillars.

Tested by Euro NCAP v6.0.



Maserati Ghibli

SAFETY FEATURES

These specifications are subject to change. Please check with manufacturer for the latest specifications. For a description of these safety features and safety rating requirements see the ANCAP Rating Road Map.

Safety Assist Technology (SAT)	Availability
Front airbag - driver	S
Front airbag - passenger	S
Side airbags (chest protection) - front seats	S
Side airbags (head protection) - front seats	S
Side airbags (head protection) - 2nd row seats	S
Knee airbag - driver	S
Three-point seat belts for all forward facing seats	S
Seat belt pretensioners (front / rear outboard)	S / S
Intelligent seat belt reminder - driver	S
Intelligent seat belt reminder - front passenger	S
Intelligent seat belt reminder - 2nd row seats	S
Head restraints for all seats	S
Antilock brakes (ABS)	S
Electronic brake distribution (EBD)	S
Emergency brake assist (EBA)	S
Electronic stability control (ESC)	S
Adaptive cruise control (ACC)	X
Autonomous emergency braking (AEB)	X
Lane support system	X
Adaptive front lighting system	O
Reversing collision avoidance	S
Daytime running lights	S
Hill launch assist	S
Tyre pressure monitoring	S

S = Standard on all variants.
 O = Optional on base variant. May be standard on higher variants.
 V = Not available on base variant but standard or optional on higher variants.
 X = Not available on any variant.
 E = Available in Europe but not available on any Australasian variant.

INJURY MEASUREMENTS

Body Region	Frontal offset test at 64 km/h (v6.0)		Side impact test at 50 km/h (v6.0)
	Driver	Passenger	Driver
Head			
HIC	264.00	243.00	45.00
Acceleration (g for 3ms)	40.40	42.30	26.20
Neck			
Shear (kN)	0.54	0.60	-
Tension (kN)	0.87	1.17	-
Extension (Nm)	13.50	20.70	-
Chest			
Acceleration (g for 3ms)	-	-	-
Compression (mm)	18.53	20.82	8.62
Viscous criterion (m/s)	0.04	0.05	0.03
Abdomen			
Force (kN)	-	-	0.23
Pelvis			
Force (kN)	-	-	0.41
Upper legs			
Femur force left (kN)	0.85	0.24	
Femur force right (kN)	0.38	0.12	
Knee displacement left (mm)	1.09	0.94	
Knee displacement right (mm)	1.61	0.41	
Lower legs			
Force left (kN)	1.61	2.15	
Force right (kN)	0.91	1.66	
Index (upper / lower) left	0.38 / 0.35	0.43 / 0.23	
Index (upper / lower) right	0.52 / 0.26	0.33 / 0.23	

INTRUSION MEASUREMENTS

Steering Column

Forwards:	54mm
Downwards:	24mm
Sideways:	2mm

Pedals

Brake (rearwards):	55mm
Brake (upwards):	21mm

A-Pillar (rearwards):	4mm
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SCORE DEDUCTIONS

Deductions from frontal offset test scores

No deductions for frontal offset test.

Deductions from side impact test score

No deductions for side impact test.

Deductions from pole test score

No deductions for pole test.

* For information about the application of ANCAP ratings to model variants see the ANCAP Variant Policy. In brief, 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 extending a rating to additional variants of a model.

^ Refer ANCAP Rating Road Map (www.ancap.com.au/media).

DOCUMENT REF: GHIBLI14
 CREATED / REVISED: 11/8/2014