

Chevrolet Volt

Tested Car: Opel/Vauxhall Ampera 1.4/electric, LHD

2011 ★★★★★



ADULT OCCUPANT



CHILD OCCUPANT



PEDESTRIAN



SAFETY ASSIST

ADULT OCCUPANT

Total 30 pts | 85%

FRONTAL IMPACT

11,6 pts



Driver



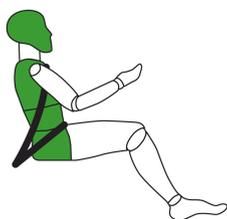
Passenger

SIDE IMPACT CAR

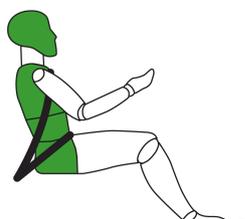
8 pts

SIDE IMPACT POLE

8 pts



Car



Pole

REAR IMPACT (WHIPLASH)

2,9 pts



FRONTAL IMPACT

HEAD

Driver airbag contact	stable
Passenger airbag contact	stable

CHEST

Passenger compartment	stable
Windscreen Pillar rearward	5mm
Steering wheel rearward	none
Steering wheel upward	none
Chest contact with steering wheel	none

UPPER LEGS, KNEES AND PELVIS

Stiff structures in dashboard	Airbag support bracket; steering column; glove box structure; facia close to console
Concentrated loads on knees	Airbag support bracket; steering column; glove box structure; facia close to console

LOWER LEGS AND FEET

Footwell Collapse	none
Rearward pedal movement	none
Upward pedal movement	none

SIDE IMPACT

Head protection airbag	Yes
Chest protection airbag	Yes

WHIPLASH

Seat description	Standard, 4 way manual
Head restraint type	Passive
Geometric assessment	0,8 pts

TESTS

- High severity	2,5 pts
- Medium severity	2,3 pts

- Low severity	2,4 pts
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TEST RESULTS

CHILD OCCUPANT

Total 38 pts | 78%

18 MONTH OLD CHILD

Restraint Britax Römer Baby Safe plus
Group 0+
Facing rearward
Installation Adult seatbelt



PERFORMANCE 10,2 pts
INSTRUCTIONS 4 pts
INSTALLATION 2 pts

FRONTAL IMPACT

Head forward movement protected
Head acceleration good
Chest load fair

SIDE IMPACT

Head containment protected
Head acceleration good

3 YEAR OLD CHILD

Restraint Britax Römer Duo plus
Group 1
Facing forward
Installation ISOFIX anchorages and top tether



PERFORMANCE 10,3 pts
INSTRUCTIONS 4 pts
INSTALLATION 2 pts

FRONTAL IMPACT

Head forward movement protected
Head acceleration good
Chest load fair

SIDE IMPACT

Head containment protected
Head acceleration good

VEHICLE BASED ASSESSMENT

6 pts

Airbag warning Label

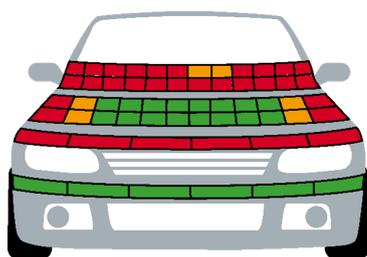
Text and pictogram permanently attached to the passenger sun visor

PEDESTRIAN

Total 15 pts | 41%

SAFETY ASSIST

Total 6 pts | 86%



GOOD
MARGINAL
POOR

HEAD 8,9 pts
PELVIS 0 pts
LEG 6 pts

SPEED LIMITATION ASSISTANCE

0 pts

Not assessed

ELECTRONIC STABILITY CONTROL (ESC)

3 pts

- ESP Pass
 Yaw rate ratio (1.00s) 1,79 %
 Yaw rate ratio (1.75s) 1,85 %
 Lateral displacement (1.07s) 3,02 m

SEATBELT REMINDER

3 pts

- driver Pass
 - passenger Pass
 - rear Pass

DETAILS OF TESTED CAR

SPECIFICATIONS

Tested model	Tested Car: Opel/Vauxhall Ampera 1.4/electric, LHD
Body type	4 door sedan
Year of publication	2011
Kerb weight	1732kg
VIN from which rating applies	applies to all Volts of the specification tested

SAFETY EQUIPMENT

Front seatbelt pretensioners	
Front seatbelt load limiters	
Driver frontal airbag	dual stage
Front passenger frontal airbag	dual stage
Side body airbags	
Side head airbags	
Driver knee airbag	
Electronic Stability Control	
Seatbelt Reminder	driver, passenger and rear seats

COMMENTS

The Chevrolet Volt has been scrutinised by Euro NCAP and the car is structurally identical to the Opel Ampera and has the same interior fittings. Chevrolet has informed Euro NCAP that the Volt also has the same levels of safety equipment as the Ampera. Accordingly, Euro NCAP believes that the star rating of the Ampera can also be applied to the Chevrolet Volt.

Adult occupant

The passenger cell remained stable in the frontal impact. The car has driver and passenger knee airbags as standard equipment and dummy readings indicated good protection of the knees and femurs of both front seat occupants. The car scored maximum points in the side barrier test. The car also scored maximum points in the more severe side pole impact with good protection of all body areas. The protection provided by the seat and head restraint against whiplash injuries in a rear-end collision was marginal. The electrical safety of the car was checked after all of the impact tests and no problems were found.

Child occupant

Forward movement of the head of the 3 year dummy, sat in a forward facing seat, was not excessive and both dummies were properly contained by their restraints in the side impact test. The passenger airbag can be disabled to allow a rearward facing child restraint to be used in that seating position. However, information provided to the driver regarding the status of the airbag is not sufficiently clear. The dangers of placing a rearward facing restraint in the passenger seat without first disabling the airbag are clearly explained in a permanently attached label.

Pedestrian

The bumper offered good protection to pedestrians' legs and the bonnet was mostly good in those areas likely to be struck by the head of a child. However, no points were scored by the front edge of the bonnet and the bonnet surface offered almost entirely poor protection to the head of a struck adult.

Safety assist

The Volt has electronic stability control as standard equipment and is fitted with a seatbelt reminder for the driver, front passenger and rear seats.