

EUROPEAN NEW CAR
 ASSESSMENT PROGRAMME
CHEVROLET SPARK

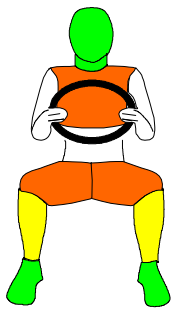


2009

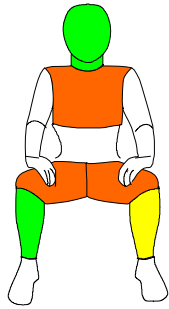
	Adult Occupant	Child Occupant	Pedestrian	Safety Assist	
Score	29.201	38.000	15.623	3.000	
Max Points available	36	49	36	7	
Normalised Score (%)	81	78	43	43	
Weighting (%)	50	20	20	10	TOTAL
Weighted Percentage Score	40.5	15.6	8.6	4.3	69

Rating Requirements (2009)

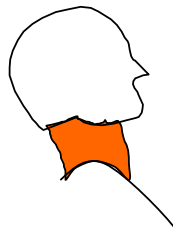
	Normalised Score (%)				TOTAL
★★★★★★	75	70	25	60	70
★★★★★	60	55	15	40	55
★★★★	30	30	10	25	45
★★★	25	25	5	15	35
★★	15	15	0	5	20



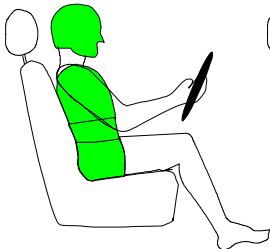
Driver



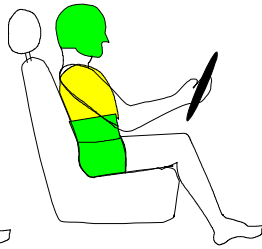
Passenger



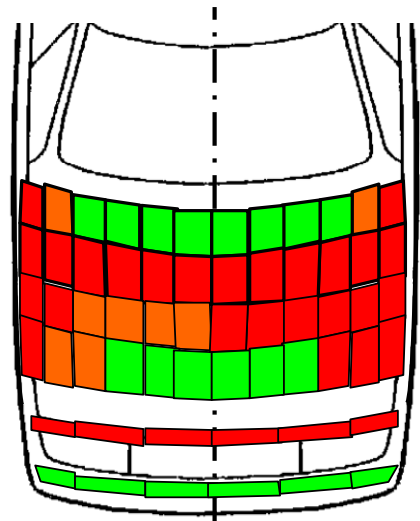
Rear Impact (Whiplash)



Side



Pole



TEST RESULTS IN FULL	
FRONTAL IMPACT HEAD	
Driver airbag contact	stable
Passenger airbag contact	stable
Steering Wheel	
rearward displacement	none
upward displacement	none
lateral displacement	12mm to the right
FRONTAL IMPACT CHEST	
Contact with steering wheel	none
Screen pillar rearward	2mm
Passenger compartment integrity	stable
FRONTAL IMPACT UPPER LEGS, KNEES AND PELVIS	
Stiffer structures present	yes: steering column and ignition barrel; facia ends; centre console; glovebox bracket
Concentrated knee loading	yes: steering column and ignition barrel; facia ends; centre console; glovebox bracket
FRONTAL IMPACT LOWER LEGS, FEET AND ANKLES	
Rearward pedal displacement	accelerator - 31mm
Upward pedal displacement	clutch - 4mm
Footwell rupture	none
SIDE IMPACT AIRBAGS	
Head protection airbag	yes
Torso protection airbag	yes
CHILD PROTECTION	
Restraints used	
18 month old	Britax Römer Duo, forward facing using ISOFIX anchorages and top tethers
3 year old	Britax Römer Duo, forward facing using ISOFIX anchorages and top tethers
CHILD RESTRAINTS FRONTAL IMPACT	
Airbag disabling/warning label	Text and pictogram warning label premanently attached to both sides of the passenger sun visor
Forward head movement	
18 mth old (behind passenger)	protected
3 year old (behind driver)	protected
Chest Protection	
18 mth old: total load	good
vertical load	good
3-year-old: total load	good
vertical load	good
CHILD RESTRAINTS SIDE IMPACT	
Head protection	
18 mth old (struck side)	protected
3 year old (non-struck side)	protected
Head acceleration	
18 mth old	good
3 year old	good

CAR TESTED



Make, model and hand of drive	Chevrolet Spark/Matiz 1.0 base grade,
Body type	5 door hatchback
Year tested	2009
Kerb weight	978kg
Chassis number from which Euro NCAP rating applies	applies to all Sparks of the specification tested
Safety Equipment	Driver and passenger single stage frontal airbags; side impact chest airbag; side impact head airbag; front seatbelt pretensioners and load limiters; ISOFIX and top tether anchorages in rear outboard seats; driver, front passenger and rear seatbelt reminder.



COMMENTS	
ADULT OCCUPANT	The passenger compartment remained stable in the frontal impact. Dummy readings indicated good protection of the head and neck but deflection of the chest indicated marginal protection for the chest of both driver and passenger. Structures in the dashboard posed a risk of injury to the knees and femurs of both the driver and the passenger. The Spark scored maximum points in the side barrier impact. In the more severe side pole test, protection of the chest was adequate and that of other body regions was good. Marginal protection was provided against whiplash injuries in the event of rear impact.
CHILD PROTECTION	Based on dummy readings in the frontal and side barrier tests, the Spark scored maximum points for its protection of the 3 year dummy. Both dummies were sat in forward facing child restraints. Forward movement of the head was well controlled in each case. In the side impact, the dummies' were properly contained by the protective shell of their restraints. The passenger airbag can be disabled to allow a rearward facing restraint to be used in that seating position. However, information provided to the driver regarding the status of the airbag is not clear. A permanently attached label warns of the dangers of using a rearward facing child seat in that position without first disabling the airbag.
PEDESTRIAN PROTECTION	The bumper scored maximum points for its protection of pedestrians' legs. However, the front edge of the bonnet offered poor protection and scored no points. In those areas likely to be struck by the head of an adult, the bonnet offered predominantly poor protection.
SAFETY ASSIST	The Spark is equipped as standard with a seatbelt reminder for the driver, front passenger and rear seats. Electronic Stability Control (ESC) is not currently available on any variant. Chevrolet advises Euro NCAP that ESC will become available on some variants during the course of 2010.

Euro NCAP's rating applies fully only to the model with the specifications detailed here. Some equipment may not be fitted as standard to all versions in all countries. You should ensure that your car is fitted with the safety equipment you require.

