

**Volvo V70**

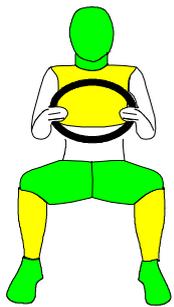


**2009**

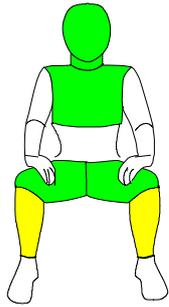
	Adult Occupant	Child Occupant	Pedestrian	Safety Assist	
Score	31.805	41.000	15.625	5.000	
Max Points available	36	49	36	7	
Normalised Score (%)	<b>88</b>	<b>84</b>	<b>43</b>	<b>71</b>	
Weighting (%)	50	20	20	10	TOTAL
Weighted Percentage Score	44.0	16.8	8.6	7.1	<b>77</b>

**Rating Requirements (2009)**

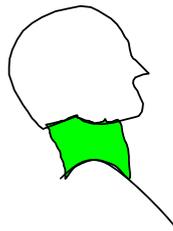
	Normalised Score (%)				TOTAL
★★★★★★	75	70	25	60	70
★★★★★	60	55	15	40	55
★★★★	30	30	10	25	45
★★★	25	25	5	15	35
★★	15	15	0	5	20



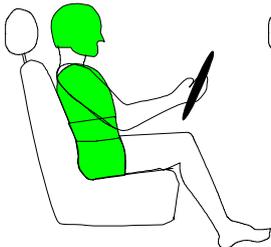
**Driver**



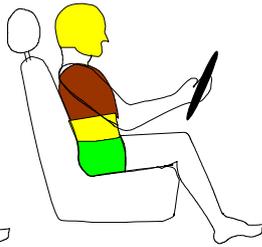
**Passenger**



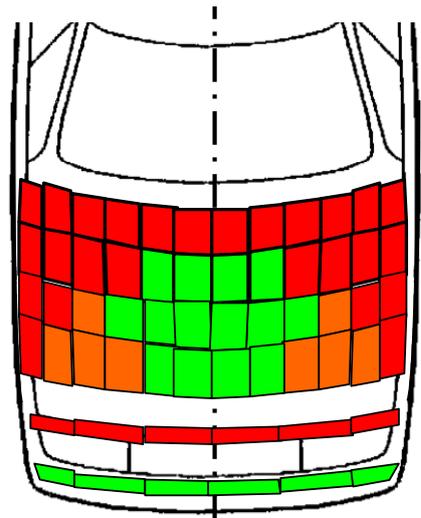
**Rear Impact (Whiplash)**



**Side**



**Pole**



TEST RESULTS IN FULL	
<b>FRONTAL IMPACT HEAD</b>	
Driver airbag contact	stable
Passenger airbag contact	stable
<b>Steering Wheel</b>	
rearward displacement	none
upward displacement	none
lateral displacement	3mm to the right
<b>FRONTAL IMPACT CHEST</b>	
Contact with steering wheel	none
Screen pillar rearward	12mm
Passenger compartment integrity	stable
<b>FRONTAL IMPACT UPPER LEGS, KNEES AND PELVIS</b>	
Stiffer structures present	none
Concentrated knee loading	none
<b>FRONTAL IMPACT LOWER LEGS, FEET AND ANKLES</b>	
Rearward pedal displacement	accelerator - 50mm
Upward pedal displacement	brake - 27mm
Footwell rupture	none
<b>SIDE IMPACT AIRBAGS</b>	
Head protection airbag	yes
Torso protection airbag	yes
<b>CHILD PROTECTION</b>	
Restraints used	
18 month old	Volvo child restraint, rearward facing, using adult seatbelt and support leg.
3 year old	Volvo child restraint, rearward facing, using adult seatbelt and support leg.
<b>CHILD RESTRAINTS FRONTAL IMPACT</b>	
Airbag disabling/warning label	Non-permanent pictogram on end of facia. Text label on A-pillar.
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
<b>CHILD RESTRAINTS SIDE IMPACT</b>	
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



<b>Make, model and hand of drive</b>	Volvo V70, 2.4 diesel auto 'Kinetic', LHD
<b>Body type</b>	5 door estate
<b>Year tested</b>	2009
<b>Kerb weight</b>	1725kg
<b>Chassis number from which Euro NCAP rating applies</b>	Applies to all V70s
<b>Safety Equipment</b>	Driver and passenger dual stage frontal airbags; side impact airbag; head-protecting curtain airbag; horizontally stroking steering column; front seatbelt pretensioners and load-limiters; rear seatbelt pre-tensioners; ISOFIX and top-tether anchorages in rear seats; front and rear seatbelt reminder system; WHIPS (whiplash protection), ABS with emergency brake assist, DTSC (electronic stability control).



## COMMENTS

<b>ADULT OCCUPANT</b>	The passenger compartment remained stable during the impact. The steering column and steering wheel moved forward, creating more space for the driver dummy's head and chest. Dummy results showed that the knees and femur of the driver and passenger were well protected. Volvo were able to demonstrate that the car would provide similar levels of upper leg protection to occupants of different sizes and to those in different seating positions. The car scored maximum points for its performance in the side impact test. However, in the first pole test, the side airbags fired late which prevented the side curtain airbag from fully deploying, and the car was penalised. Volvo were dissatisfied with the performance of the car in that test and developed a fix for the airbag deployment problem. Euro NCAP agreed to a re-test on the condition that all cars were modified. Volvo have implemented the fix in all production vehicles and have recalled cars, telling owners to get their cars updated by their dealers. Unfortunately, the same problem occurred in the re-test and again the airbag failed to deploy correctly.
<b>CHILD PROTECTION</b>	The V70 scored maximum points for its protection of both the 18 month and the 3 year old, based on dummy readings from the frontal and side impact tests. The passenger airbag can be disconnected by a Volvo dealer, allowing a rearward facing child restraint to be used in that seating position. The label warning of the dangers of doing so without first disabling the airbag was not clear. The presence of ISOFIX anchorages in the rear seats was not clearly marked.
<b>PEDESTRIAN PROTECTION</b>	The bumper scores maximum points for its protection of pedestrians' legs and the bonnet provided predominantly fair protection to children's heads. However, the part of the bonnet likely to be struck by an adult's head provided predominantly poor protection, as did the front edge of the bonnet.
<b>SAFETY ASSIST</b>	Electronic Stability Control is standard across the model range, as is a seatbelt reminder system for the driver and front passenger seats.

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.

