

Volvo V70

Volvo V70, 2.4 diesel auto 'Kinetic', LHD

2009



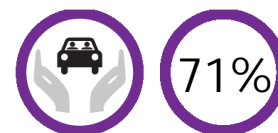
ADULT OCCUPANT



CHILD OCCUPANT



PEDESTRIAN



SAFETY ASSIST

ADULT OCCUPANT

Total 32 pts | 88%

FRONTAL IMPACT

15,2 pts



Driver



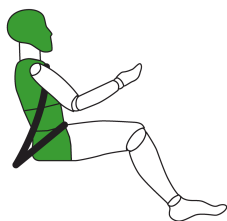
Passenger

SIDE IMPACT CAR

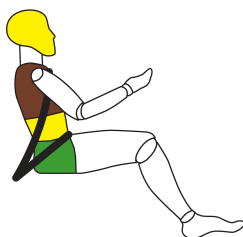
8 pts

SIDE IMPACT POLE

5,3 pts



Car



Pole

REAR IMPACT (WHIPLASH)

3,3 pts



FRONTAL IMPACT

HEAD

Driver airbag contact	stable
Passenger airbag contact	stable

CHEST

Passenger compartment	stable
Windscreen Pillar rearward	12mm
Steering wheel rearward	none
Steering wheel upward	none
Chest contact with steering wheel	none

UPPER LEGS, KNEES AND PELVIS

Stiff structures in dashboard	none
Concentrated loads on knees	none

LOWER LEGS AND FEET

Footwell Collapse	none
Rearward pedal movement	accelerator - 50mm
Upward pedal movement	brake - 27mm

SIDE IMPACT

Head protection airbag	Yes
Chest protection airbag	Yes

WHIPLASH

Seat description	Standard Seat, Leather, 6 way, Manual
Head restraint type	Fixed
Geometric assessment	0,6 pts

TESTS

- High severity	1,6 pts
- Medium severity	3 pts
- Low severity	2,8 pts

CHILD OCCUPANT

Total 41 pts | 84%

18 MONTH OLD CHILD

Restraint Volvo child restraint
Group 0, 0+, 1
Facing rearward
Installation Adult seatbelt and CRS support leg



PERFORMANCE **12 pts**
 INSTRUCTIONS **4 pts**
 INSTALLATION **2 pts**

FRONTAL IMPACT

Head forward movement protected
 Head acceleration good
 Chest load good

SIDE IMPACT

Head containment protected
 Head acceleration good

3 YEAR OLD CHILD

Restraint Volvo child restraint
Group 0, 0+, 1
Facing rearward
Installation Adult seatbelt and CRS support leg



PERFORMANCE **12 pts**
 INSTRUCTIONS **4 pts**
 INSTALLATION **2 pts**

FRONTAL IMPACT

Head forward movement protected
 Head acceleration good
 Chest load good

SIDE IMPACT

Head containment protected
 Head acceleration good

VEHICLE BASED ASSESSMENT

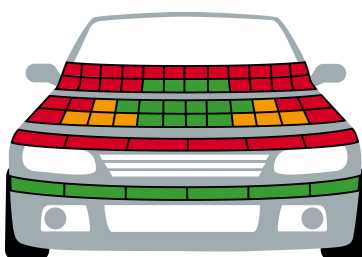
5 pts

Airbag warning Label

Non-permanent pictogram on end of fascia. Text label on A-pillar.

PEDESTRIAN

Total 16 pts | 43%



■ GOOD
■ MARGINAL
■ POOR

HEAD 9,6 pts
 PELVIS 0 pts
 LEG 6 pts

SAFETY ASSIST

Total 5 pts | 71%

SPEED LIMITATION ASSISTANCE 0 pts

- , not available

ELECTRONIC STABILITY CONTROL (ESC) 3 pts

- standard

SEATBELT REMINDER 2 pts

- driver 1 pts
 - passenger 1 pts

DETAILS OF TESTED CAR

SPECIFICATIONS

Tested model	Volvo V70, 2.4 diesel auto 'Kinetic', LHD
Body type	5 door estate
Year of publication	2009
Kerb weight	1725kg
VIN from which rating applies	applies to all V70s of the specification tested

SAFETY EQUIPMENT

Front seatbelt pretensioners	
Front seatbelt load limiters	
Driver frontal airbag	single stage
Front passenger frontal airbag	single stage
Side body airbags	
Side head airbags	
Driver knee airbag	

COMMENTS

The Volvo V70 was originally assessed by Euro NCAP in 2007. Whiplash tests have been done to supplement the original test data, and the results have been calculated according to the new rating scheme requirements of 2009. There is no change to specification of the car or its safety equipment from the one tested in 2007.

Adult occupant

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.

Child occupant

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.

Pedestrian

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.

Safety assist

Electronic Stability Control is standard across the model range, as is a seatbelt reminder system for the driver and front passenger seats.