

Volvo V40

Volvo V40 1.6 diesel 'Kinetic', LHD

2012



98%

ADULT OCCUPANT



75%

CHILD OCCUPANT



88%

PEDESTRIAN



100%

SAFETY ASSIST

ADULT OCCUPANT

Total 35 pts | 98%

FRONTAL IMPACT

15,7 pts



Driver



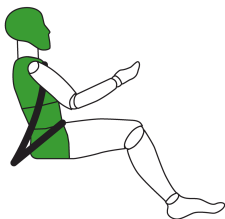
Passenger

SIDE IMPACT CAR

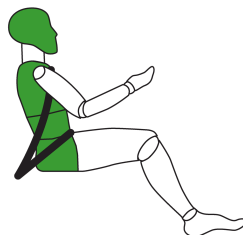
8 pts

SIDE IMPACT POLE

8 pts



Car



Pole

REAR IMPACT (WHIPLASH)

3,5 pts



GOOD



ADEQUATE



MARGINAL



WEAK



POOR

FRONTAL IMPACT

HEAD

Driver airbag contact stable

Passenger airbag contact stable

CHEST

Passenger compartment stable

Windscreen Pillar rearward 1mm

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 - 19mm

Upward pedal movement brake - 15mm

SIDE IMPACT

Head protection airbag Yes

Chest protection airbag Yes

WHIPLASH

Seat description Standard textile, 6 way manual

Head restraint type Passive

Geometric assessment 1 pts

TESTS

- High severity 1,6 pts

- Medium severity 2,9 pts

- Low severity 3 pts

CHILD OCCUPANT

Total 37 pts | 75%

18 MONTH OLD CHILD

Restraint Volvo Child Restraint
Group 0, 1
Facing rearward
Installation Adult seatbelt



PERFORMANCE **8 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 Volvo Child Restraint
Group 0, 1
Facing rearward
Installation Adult seatbelt



PERFORMANCE **9,6 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 fair

VEHICLE BASED ASSESSMENT

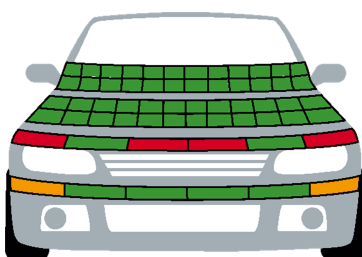
7 pts

Airbag warning Label

Test and pictogram label permanently attached to both sides of the passenger sun visor

PEDESTRIAN

Total 32 pts | 88%



GOOD
 MARGINAL
 POOR

HEAD 24 pts
PELVIS 2 pts
LEG 5,8 pts

SAFETY ASSIST Total 7 pts | 100%

SPEED LIMITATION ASSISTANCE 1 pts

- Active, Standard Pass

ELECTRONIC STABILITY CONTROL (ESC) 3 pts

- DSTC Pass

Yaw rate ratio (1.00s) 1,04 %

Yaw rate ratio (1.75s) 1,38 %

Lateral displacement (1.07s) 3,12 m

SEATBELT REMINDER 3 pts

- driver Pass

- passenger Pass

- rear Pass

DETAILS OF TESTED CAR

SPECIFICATIONS

Tested model	Volvo V40 1.6 diesel 'Kinetic', LHD
Body type	5 door estate
Year of publication	2012
Kerb weight	1377kg
VIN from which rating applies	applies to all V40s of the specification tested

SAFETY EQUIPMENT

Front seatbelt pretensioners	
Front seatbelt load limiters	
Driver frontal airbag	
Front passenger frontal airbag	
Side body airbags	
Side head airbags	
Driver knee airbag	
Speed Limitation Assistance	active
Electronic Stability Control	
Seatbelt Reminder	driver, passenger and rear

COMMENTS

Adult occupant

The passenger compartment remained stable in the frontal impact. Dummy readings in the frontal test indicated good protection of the knees and femurs of the front seat occupants. Volvo showed that a similar level of protection would be provided for occupants of different sizes and to those sat in different positions. In the side barrier impact, good protection was provided to all body areas and the car scored maximum points. Even in the more severe side pole test, maximum points were scored. The seat and head restraint provided good protection against whiplash injury in the event of a rear-end collision.

Child occupant

Both child dummies were sat in rearward-facing, Volvo-branded child restraints. In the side impact, both dummies were properly contained by the shells of their restraints, minimising the risk of contact with parts of the car interior. The passenger airbag can be disabled by a Volvo dealer to allow a rearward-facing restraint to be used in that seating position. Alternatively, an airbag switch is available as an option, with clear information being provided to the driver about the status of the airbag. The dangers of using a rearward-facing restraint in the passenger seat without first disabling the airbag are clearly explained in the car.

Pedestrian

The V40 is equipped with an under-bonnet airbag system. This detects when a pedestrian has been struck and lifts the bonnet to provide greater protection to the head. The airbag also covers the windscreen pillars to provide better protection in those areas. Volvo demonstrated that the system would operate over a range of speeds and would detect different pedestrian statures. The system worked well, the bonnet offering good protection in all areas likely to be struck by a pedestrian's head, making the V40 the first car to score maximum points in this area. The front edge of the bonnet provided poor protection in most areas tested while the bumper was predominantly good. The V40 is equipped with a pedestrian-detection AEB system as an option. This system applies the brakes independently of the driver if a pedestrian is likely to be struck by the car.

Safety assist

Electronic stability control is standard equipment on the V40 and met Euro NCAP's test requirements. A driver-set speed limitation device is also standard and was rewarded. A seatbelt reminder system is standard for the driver, passenger and rear seats.