

# 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



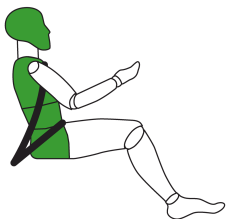
Passenger

### SIDE IMPACT CAR

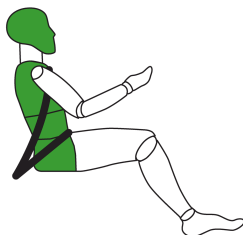
8 pts

### 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

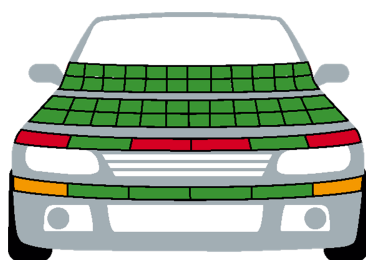
## Airbag warning Label

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

## PEDESTRIAN

Total 32 pts | 88%

SAFETY ASSIST Total 7 pts | 100%



GOOD  
 MARGINAL  
 POOR

HEAD 24 pts  
 PELVIS 2 pts  
 LEG 5,8 pts

## 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. 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, and scoring maximum points in this area. The front edge of the bonnet did provide poor protection in most areas tested while the bumper was predominantly good.

### 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.