

Crash Tests

New Car Safety

HONDA CRV

2002 on

Dual front airbags

Overall Evaluation



Overall score

26.62 out of 37

Variant: CR-V

Eng: 4 cyl 2 litre (Europe).

Kerb weight: 1500 kg

Category: Compact 4WD

Vehicles built: 2001 (offset), 2002 (side) & 2004 (pole)

Important note: The European model was used for the offset test conducted by Euro NCAP. In 2002 ANCAP was advised by Honda Australia that the vehicle sold in Australia is the same specification as the European model, apart from side airbags.

Model History and Safety Features

The tested model of Honda CR-V was introduced in Australia late in 2001. Dual front airbags are standard equipment on all variants. Side (thorax) airbags became standard on the Sport variant during 2004 but are not available on the base model. Electronic stability control is not available in Australia but is available in Europe and North America.

The front seat belt buckles are mounted on the seats and the upper anchorages are adjustable. These features improve the fit of the seat belt. Pretensioners are fitted to the front seat belts to reduce slack in the event of a crash. These seat belts also have load limiters.

A three point seat belt is fitted to the centre rear seat. This provides better protection than a two point seat belt.

OVERALL EVALUATION : 4 Stars

The Honda CR-V scored 10.62 out of 16 in the offset crash test conducted by Euro NCAP. The passenger compartment held its shape well. There was some risk of chest and leg injury for the driver.

The Australian vehicle (without side airbags) scored 16 out of 16 in the side impact crash test. The European vehicle with side (thorax) airbags also scored 16 points. Zero points were scored in the Australian pole test.

FRONTAL OFFSET CRASH TEST

Body region scores out of 4 points each: Head/neck 3pts, chest 2.5pts, upper legs 2pts, lower legs 3.12pts.

The passenger compartment held its shape well in the offset crash test. The brake pedal moved rearwards by 89mm and upwards 25mm. The steering wheel hub moved rearwards 2mm, downwards 33mm and sideways 12mm. The front ("A") pillar moved 13mm rearwards. All doors remained closed during the crash.

The airbag cushioned the head of the driver but was found to have bottomed out. Components behind the dash were potential sources of knee injury for both the driver and passenger.

SIDE IMPACT CRASH TEST

Body region scores out of 4 points each: Head 4pts, chest 4pts, abdomen 4pts, pelvis 4pts.

This test simulates a small car striking the driver's door of the vehicle under test. High seat vehicles like the CR-V can be expected to perform relatively well in this particular side impact test.



Offset crash test at 64km/h

ANCAP chose to conduct a pole test as part of a research program. This is usually an optional test for vehicles with head-protecting side airbags such as curtains. The tested vehicle did not have these and head protection was poor so it scored zero points out of a maximum of two points for the pole test.

INJURY MEASUREMENTS

Refer to the information sheet "How the test are done"	Offset Crash Test at 64km/h (EuroNCAP v3.0)		Side Impact Crash Test at 50km/h (v3.0)
	Driver	Passn	Driver
Head HIC	392.7	279	74
Acceleration (g for 3ms)	51.8	45.8	44.3
Neck - Shear (kN)	0.37	0.57	-
Tension (kN)	2.33	1.39	-
Extension (Nm)	17.26	23.42	-
Chest Accln (g for 3ms)	-	-	-
Compression (mm)	32.5	25.6	1.2
Viscous criterion (m/s)	0.13	0.1	0
Abdomen - Force (kN)	-	-	0.551
Pelvis - Force (kN)	-	-	0.74
Upper legs Force Left (kN)	2.77	2.16	
Right (kN)	2.8	1.48	
Knee displ (mm) Left	2.54	1.74	
Right	0.33	5	
Lower legs Force Left (kN)	3.32	2.44	
Right (kN)	2.87	1.71	
Index (Upper/Low) Left	0.33/0.4	0.28/0.43	
Right	0.54/0.34	0.47/0.46	

Bonus points

Pole Test (v4.0): Zero

Seat belt reminders: None

Modifiers for offset test scores

Head Unstable contact
Chest
Upper leg Variable & Conc. loading
Lower leg
Foot score

1pt deduction
1pt deduction
2pt deduction L&R
No deduction
Score 4 points

Pedestrian rating (v3.0)

18.66 points out of 36 (51.8%)



Child head impacts 6.2pts; adult head impacts 7.92pts; upper leg zero pts and lower leg impacts 4.54pts.

September 2005

Published by
New Car Assessment Program
PO Box 1555
Canberra ACT Australia 2601
crv_02x.doc issued 19-Sep-05

