

Crash Test Results

New Car Safety

CHERY J1

From 2011

Dual front airbags*



Offset crash test at 64km/h

FRONTAL OFFSET CRASH TEST

Body region scores out of 4 points each: Head/neck 3 pts, chest zero pts, upper legs 2 pts, lower legs 0.23 pts.

The passenger compartment lost structural integrity in the offset crash test. The brake pedal moved rearwards by 169 mm and upwards 62 mm. The steering wheel hub moved 151 mm rearward, 15mm downward and 21 mm sideways. The front ("A") pillar moved 75 mm rearwards. All doors remained closed during the crash. After the crash the driver's door could be opened with high manual effort. The exhaust pipe shield contacted a fuel tank bracket but there was no damage to the fuel tank.

The airbag cushioned the head of the driver and contact was stable. The passenger's head was cushioned by the airbag. The edge of the centre console was a potential source of knee injury for the driver and passenger. Steering column components were also a potential source of knee injury for the driver.

SIDE IMPACT CRASH TEST

Body region scores out of 4 points each: Head 4 pts, chest zero pts, abdomen 3.73 pts, pelvis 4 pts.

The vehicle was not eligible for a Pole Impact Test. This test can earn eligible vehicles an extra two points.

PEDESTRIAN PROTECTION: Pending



Occupant Protection Score 16.97* out of 37

* High risk of life-threatening chest injury in side impact.

Variant: 5 door hatch

Eng: 1.3 litre

Kerb mass: 1040 kg

Category: CAR - LIGHT

Vehicles built: 2011

Model History and Safety Features

The tested model of Chery J1 was introduced in Australia during 2011.

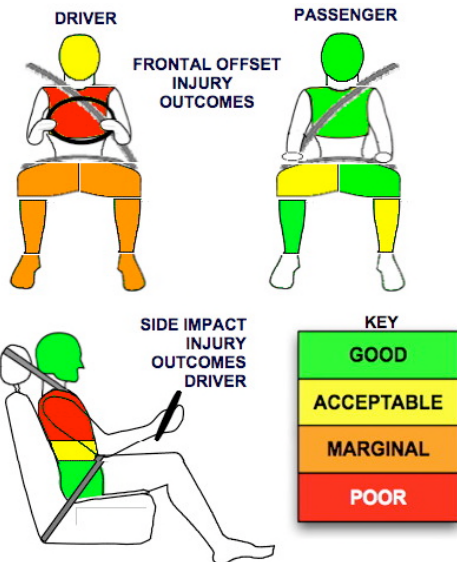
Dual front airbags are standard equipment. Antilock brakes (ABS) electronic brake distribution (EBD) are also standard. Electronic stability control (ESC) is not available.

A three point seat belt is fitted to the centre rear seat. This provides better protection than a two point (lap) seat belt. The roof bars are for cosmetic purposes and are not designed for carrying loads.

OCCUPANT PROTECTION: 3 Stars

The Chery J1 scored 5.233 out of 16 in the offset crash test. The passenger compartment lost structural integrity. Protection from serious chest injury was poor for the driver.

The vehicle scored 11.733 out of 16 in the side impact crash test. There was a high risk of a life-threatening chest injury for the driver.



MAY 2011

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TECHNICAL DATA - CHERY J1 - From 2011

INJURY MEASUREMENTS

Body region	Offset Crash Test at 64km/h (v4.1)		Side Impact Crash Test at 50km/h (v4.1)
	Driver	Passenger	Driver
Head HIC	620	544	226
Acceleration (g for 3ms)	67.5	56.8	68.1
Neck - Shear (kN)	0.37	0.47	-
Tension (kN)	2.02	1.23	-
Extension (Nm)	6.4	6.3	-
Chest Accln (g for 3ms)	46.900	30.600	-
Compression (mm)	47.40	19.80	41.20
Viscous criterion (m/s)	0.54	0.05	1.12
Abdomen - Force (kN)	-	-	1.100
Pelvis - Force (kN)	-	-	1.960
Upper legs Force (kN)	Left	0.52	1.01
	Right	1.89	1.74
Knee displ (mm)	Left	0.35	0.13
	Right	4.71	0.03
Lower legs Force (kN)	Left	2.99	2.69
	Right	3.99	2.00
Index (Upper/Low)	Left	0.74 /0.62	0.55 /0.54
	Right	0.86 /0.91	0.37/0.26

Bonus points (maximum 5)

Pole Test: Not eligible

Seat belt reminders: None eligible

Modifiers - deductions from offset test scores

Head	Steer column displacement	1 pt deduction
Chest	Loss of structure	1 pt deduction
Upper leg	Variable & conc. loading	driver 2 pt deduction left & right
	Variable contact	passn 1 pt deduction right
Lower leg		No deduction
Foot score	Footwell rupture & pedal displacement	Score 0.23 points

Note: Steering column and pedal movements are measured relative to the driver's seat.

Modifiers - deductions from side impact test scores

Chest	Backplate load	0.32 pt deduction
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Safety features

These specifications are subject to change. Please check with manufacturer for the latest specifications.

Driver airbag	S	Antilock (ABS) brakes / Electronic brake distribution / Brake Assist	S/S/X
Passenger front airbag	S	Electronic stability control (ESC, VSC, DSC, ESP, VSA)	X#
Side airbags, front seats - chest protection	X	3 point centre rear seat belt	S
Side airbags, front seats - head protection	X	Whiplash rating (RCAR protocol)	Pending
Side airbags, rear seats - head protection	X	Intelligent seat belt reminder - driver	X*
Driver knee airbag	X	Intelligent seat belt reminder - front passenger	X
Seat belt pretensioners (Front/rear outboard)	X/X	Intelligent seat belt reminder - rear seats	X

Key: * Driver seat belt alarm does not meet ANCAP requirements

S = standard on all variants

O = optional on base variant. May be standard on higher variants

V= not available on base variant but standard or optional on higher variants

X = not available on any variant

ESC required by ANCAP for 5 star rating from 2008

