

Crash Test Results

New Car Safety

INFINITI FX

From 2012 Front+side+head airbags



Offset crash test at 64km/h (Euro NCAP)



ANCAP
Safety ★★★★★

Safety Rating

Occupant Protection Score 33.48 out of 37

Tested variant: FX37 LHD Eng: 3.7 V6 petrol

Kerb mass 2000 kg Category: SUV - LARGE

Vehicles built: 2009 Tested by Euro NCAP

Important note: The *left-hand-drive* European FX37 model was tested by Euro NCAP. Australasian specifications may vary and therefore models sold in Australasia might provide different levels of protection to those described on this page.

Model History and Safety Features

The tested model of Infiniti FX was introduced in Australia during 2012. This ANCAP rating applies to the FX37 variant.

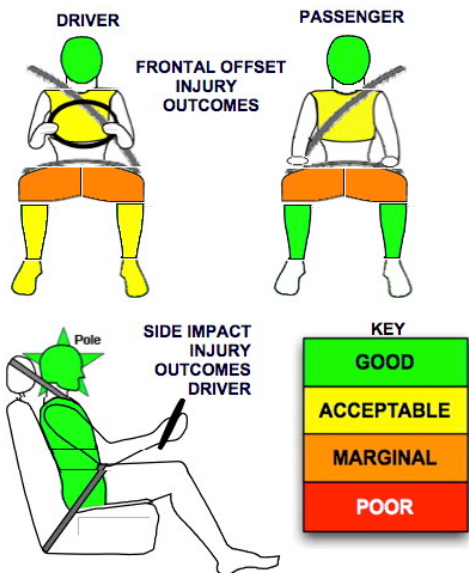
Dual front airbags, side airbags and head-protecting side curtains are standard equipment. Antilock brakes (ABS), electronic brakeforce distribution (EBD) and electronic stability control (ESC) are also standard. Intelligent seat belt reminders are fitted to all seats. Autonomous Emergency Braking is available on the Premium variant.

Pretensioners are fitted to the front seat belts to reduce slack in the event of a crash.

OCCUPANT PROTECTION: 5 Stars

The FX scored 12.5 out of 16 in the offset crash test. The passenger compartment held its shape well but there was too much brake pedal rearward displacement. Protection from serious leg injury was marginal for the driver and passenger.

The vehicle scored 16 out of 16 in the side impact crash test and a further two points in the pole test.



FRONTAL OFFSET CRASH TEST

Body region scores out of 4 points each: Head/neck 4 pts, chest 3.7 pts, upper legs 2 pts, lower legs 2.8 pts.

The passenger compartment held its shape well in the offset crash test. The brake pedal moved rearwards by 131 mm. The steering wheel hub moved 9 mm rearward, 14 mm upward and 5 mm sideways. The front ("A") pillar moved 12 mm rearwards. All doors remained closed during the crash. After the crash all doors could be opened with normal effort.

The airbag cushioned the head of the driver and contact was stable. Dash components were a potential source of injury for the knees of the driver and passenger. The passenger's head was cushioned by the airbag.

SIDE IMPACT CRASH TEST

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

The side impact test simulates a small car striking the driver's door of the vehicle under test. It is based on a regulation test but the regulation does not apply to vehicles with a high seat height like the FX. Experience shows that such vehicles can be expected to perform well in this test and the FX scored full marks.

The vehicle was eligible for a pole impact test, since it had head-protecting side airbags. The vehicle earned the maximum two points in this test.

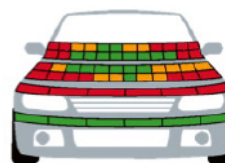
PEDESTRIAN PROTECTION: Marginal

The bumper provided predominantly marginal protection for pedestrian's legs and the front edge of the bonnet mostly poor. In most areas likely to be struck by the head of a child, protection was poor but in those areas most likely to be struck by an adult, good protection was provided.

PEDESTRIAN PROTECTION	Child head impacts	1.36
MARGINAL	Adult head impacts	8.83
	Upper leg impacts	1.60
	Lower leg impacts	4.15
	Total (out of 36)	15.94

Tested by Euro NCAP v5.1

Whiplash Protection (RCAR Protocol)



■ PASS
■ MARGINAL
■ FAIL

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TECHNICAL DATA - INFINITI FX - From 2012

INJURY MEASUREMENTS

Body region	Offset Crash Test at 64km/h (v5.1)		Side Impact Crash Test at 50km/h (v5.1)
	Driver	Passenger	Driver
Head HIC	248	197	17
Acceleration (g for 3ms)	38.5	38.8	14.6
Neck - Shear (kN)	0.34	0.43	-
Tension (kN)	1.32	1.42	-
Extension (Nm)	23.9	12.9	-
Chest Accln (g for 3ms)	-	-	-
Compression (mm)	23.99	22.26	11.15
Viscous criterion (m/s)	0.09	0.07	0.05
Abdomen - Force (kN)	-	-	0.300
Pelvis - Force (kN)	-	-	1.010
Upper legs Force (kN)			
Left	0.46	1.80	
Right	1.00	0.70	
Knee displ (mm)			
Left	0.40	5.50	
Right	0.60	5.70	
Lower legs Force (kN)			
Left	1.81	1.71	
Right	2.62	1.39	
Index (Upper/Low)			
Left	0.41 /0.30	0.28 /0.33	
Right	0.50 /0.19	0.37/0.32	

Bonus points (maximum 5)

Pole Test: 2 pts

Seat belt reminders: 3 (see table below for details)

Modifiers - deductions from offset test scores

Head	No deduction
Chest	No deduction
Upper leg Variable & conc. loading for driver & passenger	2 pt deduction Left & Right
Lower leg	No deduction
Foot score Brake pedal displacement	Score 2.76 points

Modifiers - deductions from side impact test scores

Chest	No 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/S
Passenger front airbag	S	Electronic stability control (ESC, VSC, DSC, ESP, VSA)	S#
Side airbags, front seats - chest protection	S	3 point seat belt for all forward-facing seats	S
Side airbags, front seats - head protection	S	Whiplash protection (RCAR protocol)	Good
Side airbags, rear seats - head protection	S	Intelligent seat belt reminder - driver	S
Driver knee airbag	X	Intelligent seat belt reminder - front passenger	S
Seat belt pretensioners (Front/Rear outboard)	S/X	Intelligent seat belt reminder - rear seats	S

Key:

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



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