

Crash Test Results

New Car Safety

SUZUKI APV

2007 on

Dual front airbags



Offset crash test at 64km/h



Occupant Protection Score 23.54 out of 37

Variants: -

Eng: 1.6 litre

Kerb weight: 1140 kg

Category: Small Van

Vehicles built: 2008

Model History and Safety Features

The tested model of Suzuki APV van was introduced in Australia during 2007.

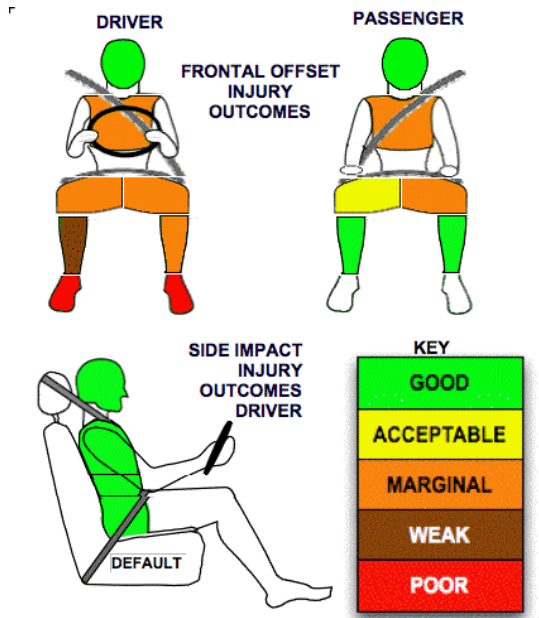
Dual front airbags are standard equipment. Antilock brakes (ABS) and electronic stability control (ESC) are not available.

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

OCCUPANT PROTECTION: 3 Stars

The APV scored 7.54 out of 16 in the offset crash test. The passenger compartment held its shape reasonably well, except for the footwell. Protection from serious leg injury was poor for the driver. There was a moderate risk of serious chest injury for the driver and passenger.

The vehicle was awarded a default score of 16 out of 16 in the side impact crash test.



FRONTAL OFFSET CRASH TEST (v4.1)

Body region scores out of 4 points each: Head/neck 4 pts, chest 1.54 pts, upper legs 2 pts, lower legs zero pts.

The passenger compartment held its shape reasonably well in the offset crash test, except for the footwell and pedals. The brake pedal moved rearwards by 347 mm, to a position where it posed a hazard to the groin of the dummy. The clutch pedal moved upwards 153 mm. The steering wheel hub moved 11 mm rearward, 46 mm upward and 17 mm sideways. The front ("A") pillar moved 73 mm rearwards. All doors remained closed during the crash. After the crash the driver's door could be opened with high manual effort.

The airbag cushioned the head of the driver and contact was stable. Steering column and dash components were a potential source of injury for the driver's knees. The passenger's head was cushioned by the airbag. A supporting bracket for the glove box was a potential source of knee injury.

SIDE IMPACT CRASH TEST (v4.1)

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

The side impact test normally used by ANCAP 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 APV. Experience shows that such vehicles can be expected to perform well in this test so ANCAP has decided to award full score for these vehicles instead of conducting a crash test.

PEDESTRIAN PROTECTION 2 Stars

PEDESTRIAN PROTECTION		Child head impacts	Zero
 v4.1	Adult head impacts	5	
	Upper leg impacts	1	
	Lower leg impacts	6	
	Total (out of 36)	12	

[No image of pedestrian protection]

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apv08.doc

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TECHNICAL DATA - SUZUKI APV - 2007 on

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	386	294	Default score awarded
Acceleration (g for 3ms)	47.8	47.4	
Neck - Shear (kN)	0.36	0.83	
Tension (kN)	1.57	1.56	
Extension (Nm)	21.2	13.9	
Chest Accln (g for 3ms)	35.200	28.100	
Compression (mm)	39.20	38.70	
Viscous criterion (m/s)	0.16	0.13	
Abdomen - Force (kN)	-	-	
Pelvis - Force (kN)	-	-	
Upper legs Force (kN)			
Left	0.78	0.22	
Right	0.78	1.37	
Knee displ (mm)			
Left	3.42	0.53	
Right	3.05	4.23	
Lower legs Force (kN)			
Left	2.02	0.97	
Right	4.77	1.21	
Index (Upper/Low)			
Left	0.37 /0.64	0.17 /0.19	
Right	0.99 /0.75	0.25/0.19	

Bonus points (maximum 5)

Pole Test: Not eligible

Seat belt reminders: None

Modifiers - deductions from offset test scores

Head	No deduction
Chest	No deduction
Upper leg	Variable & conc. loading 2 pt deduction Drv L & R 2 pt deduction Passn L, 1 pt deduction Passn R
Lower leg	Pedal upward movement 1 pt deduction
Foot score	Pedal rearward movement & footwell rupture Score zero points

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

Modifiers - deductions from side impact test scores

Chest	Default score awarded
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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	X/X/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	-
Side airbags, front seats - head protection	X	Active head restraints - front seats	X
Side airbags, rear seats - head protection	-	Intelligent seat belt reminder - driver	X
Driver knee airbag	X	Intelligent seat belt reminder - front passenger	X
Seat belt pretensioners (Front/rear outboard)	S/-	Rear seat belt status indicator	-

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