

New overall evaluation for vehicle safety

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81.4 points

Occupants protection Pedestrian Protection PSBR 53.71 points 23.7 points

4.0 points

Test vehicle : Jimny Sold : 2018.7

Manufacture : SUZUKI MOTOR CORPORATION

Type : 3BA-JB64W Displacement : 658cc

Displacement : 658cc Vehicle weight : 1,040kg

 $Specification : Length \times Width \times Height: 3,395 \times 1,475 \times 1,725 mm$ 

SUV, 4AT, 4WD, Seating Capacity: 4

Tire : 175/80R16 91S
Test Vehicle Weight: Full-wrap:1,251kg

Offset: 1,248kg Side: 1,147kg

## Collision Tests

#### Full-wrap frontal collision test

				Head		Neck			Chest							Legs							Body det	ormation	
Pa	ssenger prote	ection perfo	rmance	Injury load	Shearing load	Tensile load	Moment of extension	Secondary contact of upper chest	Resultant accelerati on	Chest displacem ent	Riding up of wrap belt	Femu [k	r load N]		Righ	t leg			Lef	t leg		Steering deforma			e pedal stion[mm]
	Evaluation	Overall points	Score rate	[HIC]	[kN]	[kN]]	[Nm]	and steering wheel	[m/s²- 3ms]	[mm]	from pelvis	Right leg	Left leg	Upper TI	Lower TI	Upper Tibia load [kN]	Lower Tibia load [kN]	Upper TI	Lower TI	Upper Tibia load [kN]	Lower Tibia load [kN]	Rear displacem ent	Upper displacem ent	Rear displacem ent	Upper displacem ent
Driver's seat	Level4	10.39	86.6%	320.3	0.48	1.68	28.24	None		26.88		0.60	3.75	0.46	0.74	1.84	2.20	0.73	0.34	1.99	2.62	0	32	0	0
passenge r's seat	Level5	11.66	97.2%	431.0	0.44	0.87	31.48			20.48	None	1.06	0.58												

				Door op	enability					Rescuability		
Front		Drive	r side			Front pass	enger side		Fuel			
Drive nt pas	Door op	enability	Door	Door locked		enability	Door	ocked	leakage after	Driver's	Front passenger	
river's seat/ passenger's	First row (1st row)	Second row (2nd row)	collision	seat	's seat							
seat	One hand		None		One hand		None		None	Hand	Hand	

#### Offset frontal collision test

				He	ad		Neck			Chest							Legs							Body def	ormation	
	Passenger prote	ection perfo		Secondary	Injury load	Shearing load	Tensile load	Moment of extension	Secondary contact of upper chest	Resultant accelerati on	Chest displacem ent	Riding up of wrap belt	Femu [k			Righ	t leg			Left	t leg		Steering deformat		Brake deforma	pedal tion[mm]
	Evaluation	Overall points	Score rate	collision	[HIC]	[kN]	[kN]	[Nm]	and steering wheel	[m/s²= 3ms]	[mm]	from pelvis	Right leg	Left leg	Upper TI	Lower TI	Upper Tibia load [kN]	Lower Tibia load [kN]	Upper TI	Lower TI	Upper Tibia load [kN]	Lower Tibia load [kN]	Rear displacem ent	Upper displacem ent	Rear displacem ent	Upper displacem ent
seat	Level4	10.07	83.9%		371.9	0.42	1.89	19.08	None		31.53		0.89	1.22	0.48	0.22	1.31	1.90	0.43	0.24	0.95	1.28	1	35	70	0
r's seat	Rear Level4	10.02	83.5%	None			1.98				36.53	None	0.12	0.01												

				Door op	enability					Rescu	ability	Ì
Rear		Driver side				Front pass	enger side		Fuel			Ì
Drive ar pas	Door op	enability	Door I	ocked	Door op	enability	Door	locked	leakage after	Driver's	Front passenger	ĺ
driver's seat/ passenger's	First row (1st row)	Second row (2nd row)	collision	seat	's seat	1						
seat	One hand※		None		One hand		None		None	Hand	Hand	Ì

<sup>\*\*</sup> Door was able to open by releasing inner-door handle latch,but was not able to open by releasing outer-door handle latch.

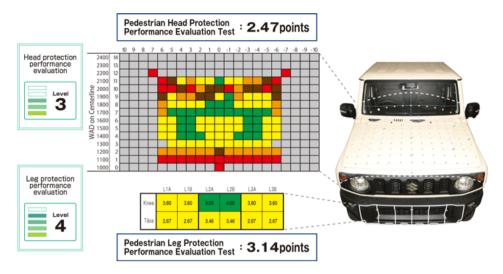
#### Side collision test

				Head		Chest	Abdomen			Door op	enability			Resucuabi lity	
Pass	senger prote	ction perfo	rmance	injury value	Shoulder load	displacem ent	displacem ent	Lumbar load		Front pass	enger side		Fuel leakage		Vehicle turned
									Door op	enability	Door	ocked	after collision	Front passenger	sideways after
	Evaluation	Overall points	Score rate	[HIC]	[kN]	[mm]	[mm]	[kN]	First row (1st row)	Second row (2nd row)	First row (1st row)	Second row (2nd row)	Collision	's seat	impact
Driver's seat	Level5	12.00	100.0%	121.5	0.63	7.30	32.71	1.16	One hand		None		None	Hand	None

### Neck Injury Protection Rear-end Collision Performance Test

	Passenger protection performance			NIC		Upper	r neck			Lowe	r neck	
	Evaluation	Overall points	Score rate	[m²/s²]	Shearing load [N]	Axial force load [N]	Horizontal axial moment (Flexion) [Nm]	Horizontal axial moment (Extension) [Nm]	Shearing load [N]	Axial force load [N]	Horizontal axial moment (Flexion) [Nm]	Horizontal axial moment (Extension) [Nm]
Driver's seat	Level5	10.90	90.8%	14.0	4.7	381.3	11.6	7.8	239.1	100.3	1.8	6.2
Front passenge r's seat	1	1	1	1	1	1	1	1	1	1	1	1

# Pedestrian Protection (Head Protection Performance Test / Leg Protection Performance Test)



## **PSBR**

		Carriamant	Candition							Det	ails							
	Evaluation		Equipment Condition Fr					seat			Rear passenger's seat							
ľ		Front	Rear passenger	А	uditory alan	m		Visual	alarm		А	uditory alar	m		Visual	alarm		
		's seat	's seat	Sound	Range	Score	Display	Position	Range	Score	Sound	Range	Score	Display	Position	Range	Score	
	Level5	0	0	0	Α	40	0	Α	В	10	0	Α	25	0	G	Α	25	

X1 [ O] indicates that the vehicle has equipment with proper functions. [-] indicates that the vehicle does not have such equipment.

X2 In the "Range" column, "A" means driver's seat and the passenger's seat concerned, "B" means driver's seat only, and "C" means the passenger's seat concerned only.

X3 In the "Position" column, "A" means in front of the driver's seat. "B" means in front of the front passenger's seat. "C" means the center console area, "D" means in front of the rear seat on the window side, "E" ceiling area, "G" means room introp part, and "H" refers to other areas.

## Installation Conditions Of Safety Devices

ABS	Provided
Air bag	Driver's seat:Provided/Front passenger seat:Provided
Side air bag	Provided
Side curtain Air bag	Provided
Stability Contorol System	Provided
Damage Mitigation Brake System	Provided
Seatbelt pretensioner	First row:Driver's seat:Provided/Front passenger seat:Provided Second row:Driver side:Not provided/Front passenger side:Not provided
Seat belt force (load) limiter	First row:Driver's seat:Provided/Front passenger seat:Provided Second row:Driver side:Provided/Front passenger side:Provided
Seatbelt Reminder	Front passenger seat:Provided Rear passenger seat:Provided