

New overall evaluation for vehicle safety

**★★★★★** 184.1 \* points

Test vehicle

Manufacture

Displacement

Vehicle weight Specification

Test Vehicle Weight :

Sold

Type

Tire

N-BOX

2017.9

890kg

DBA-JF3 658cc

Honda Motor Co., Ltd.

155/65R14 75S

Offset: 1,090kg

Side: 970kg

Full-wrap: 1,091kg

Length  $\times$  Width  $\times$  Height: 3,395  $\times$  1,475  $\times$  1,790mm 5-door hatchback, CVT, FF, Seating Capacity:4

Occupants protection **Pedestrian Protection** 

88.8 points 83.67 points 6.0 points



\* As the evaluation method for the pedestrian protection performance was changed, it was multiplied by the correction coefficient so that it would be equal to the collision safety performance evaluations for FY 2011 to 2015.)

# **Collision Tests**

**PSBR** 

#### Full-wrap frontal collision test

				Head		Neck			Chest				Le	gs				Body det	formation	
Pas	senger prote	ction perfo	mance	Injury load	Shearing load	Tensile load	Moment of extension	upper	econdary ontact of upper chest		Femu [k	r load N]	Right	t leg	Left leg		Steering column deformation[mm]		Brake pedal deformation[mm]	
	Evaluation	Overall points	Score rate	[HIC]	[kN]	[kN]]	[Nm]	and steering wheel	[m/s²- 3ms]	[mm]	Right leg	Left leg	Upper TI	Lower TI	Upper TI	Lower TI	Rear displacem ent	Upper displacem ent	Rear displacem ent	Upper displacem ent
Driver's seat	Level4	9.61	80.2%	391.4	0.64	1.63	14.67	None		31.91	4.65	3.33	0.50	0.55	0.67	0.41	0	17	37	0
Front passeng er's seat	Level5	10.57	88.2%	479.1	0.94	1.43	24.41			29.26	3.24	2.36	0.38	0.31	0.44	0.28				

				Door op	enability					Rescu	uability
Fron_		Driver side				Front pass	enger side		Fuel		
Driver' Front passe	Door op	enability	Door I	Door locked		enability	Door	locked	leakage after	Driver's	Front passenger
s seat	First row (1st row)	Second row (2nd row)	collision	seat	s seat						
seat	One hand	One hand	None	None	One hand	One hand	None	None	None	Hand	Hand

## Offset frontal collision test

				Н	ead		Neck			Chest					Legs					Body de	formation	
1	Passenger pro	tection perfe		Secondary	Injury load	Shearing load	Tensile load			Resultant	Chest displacem ent	Riding up of wrap belt	Femu [k	r load N]	Righ	t leg	Left	t leg	Steering deforma		Brake deformat	
	Evaluation	n 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 TI	Lower TI	Rear displacem ent	Upper displacem ent	Rear displacem ent	Upper displacem ent
seat	0	10.58	88.2%		625.2	0.77	1.50	11.93	None		29.65		5.35	2.38	0.40	0.30	0.27	0.18	3	10	31	0
er's seat	Rear Level4	9.23	77.0%	None			3.01				38.32	None	0.15	0.16								

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

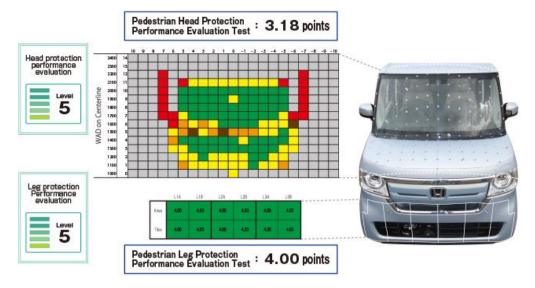
#### Side collision test

				Head	Chest				Door op	enability			Resucuabil ity	
Pass	senger prote	ction perfo	rmance	injury	displacem ent	Abdomen load	Pubis load		Front pass	enger side		Fuel leakage		Vehicle turned
								Door op	Door openability		locked	-6	Front passenger'	sideways after
	Evaluation	Overall points	Score rate	[HPC]	[mm]	[kN]	[kN]	First row (1st row)	Second row (2nd row)	First row (1st row)	Second row (2nd row)	collision	s seat	impact
Driver's	Level5	11.81	98.4%	86.8	22.95	0.87	2.92	One hand	One hand	None	None	None	Hand	None

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

	Pass	enger protection perform	nance	NIC		Upper	r neck		Lower 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	11.32	94.4%	11.4	32.1	416.1	12.2	2.1	304.9	200.1	1.7	5.0		
Front passen er's sea	1	1	1	1	1	1	1	1	1	1	1	1		

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



### **PSBR**

	F	t Condition							Det	ails						
Evaluation		Condition			Front	passenger's	s seat					Rear	passenger's	seat		
	Front	Rear passenger'	A	Auditory aları	n		Visual	alarm		A	uditory aları	m		Visual	alarm	
	s seat	s seat	Sound	Range	Score	Display	Position	Range	Score	Sound	Range	Score	Display	Position	Range	Score
Level4	0	0	0	В	40	0	Α	Α	10	-	1	ı	0	G	В	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 only, "B" means driver's seat and the passenger's seat concerned, 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 friver's seat. "C" means the center console area, "D" means in front of the rear seat on the window side, "E" means close to the center area of the rear seat, "F" means near the central ceiling area, "G" means room mirror part, "H" means Indicator area, and "Z" refers to other area.

# Rear passenger's Seat Belt Usability Evaluation Test

Radar	abaut		Seat belt accessibility		Insertabilit	Seat belt wearing	comfortability [N]		Rear seat
Radar	cnart			Buckle	y of tongue	50mm position	25mm position		
Front passenger seat side	Driver's seat side		Design standard position Forward most seat position	on	into buckle	Design standard position Forward most seat position	Design standard position Forward most seat position	Center seat	Remarks
Accessible  Instrument  Instru	Accordity  Liseraday  Liseraday	2nd row [Driver's seat side]	Ţ	ļ	ļ	Ţ	ļ	_	
Contradio	Contradio	2nd row [Front passeng er side]	330/395	b	f&g	8.2/9.0	1.7/1.9		

## **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
Seat Type	Driver's seat:Passive seat Front passenger seat:Passive seat
Seatbelt pretensioner	First row:Driver's seat:Provided/Front passenger seat:Provided Second row:Driver's 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's side:Provided/Front passenger side:Provided
Seatbelt Reminder	Front passenger seat:Provided Rear passenger seat:Provided