

ANCAP Safety Rating SUBARU FORESTER (From 2013)



Test Variant:	Subaru Forester 2.0i
Variant Applicability*:	All variants
Kerb Mass:	1500 kg
Vehicles Built:	2012 (MY2013)
Engine:	2.0 litre petrol
Category:	Compact SUV



Frontal offset test at 64 km/h

Airbags	ESC	Frontal Offset	Side Impact	Pole	Whiplash	Pedestrian	Seat Belt Reminders	Overall Score	ANCAP Safety Rating
Frontal + side + head + knee	Standard	14.64 (out of 16)	16.00 (out of 16)	2 (out of 2)	GOOD	ACCEPTABLE	3 (out of 3)	35.64 (out of 37)	★★★★★

The tested model of Subaru Forester was introduced in Australia and New Zealand during 2013. This rating applies to all variants.

Dual front airbags, driver knee airbag, side airbags and head-protecting side curtains are standard equipment. Antilock brakes (ABS), electronic brake distribution (EBD) and electronic stability control (ESC) are also standard. The Eyesight system with many crash avoidance functions is available as an option. Advanced seat belt reminders are fitted to both front seats. Pretensioners are fitted to the front seat belts to reduce slack in the event of a crash.

OCCUPANT PROTECTION

Frontal Offset Test.

Each body region is scored out of 4 points

Head / neck:	4.00 points
Chest:	3.21 points
Upper legs:	4.00 points
Lower legs:	3.43 points

The passenger compartment held its shape well in the frontal offset test. There was a slight risk of serious chest and leg injury for the driver and passenger. The accelerator pedal moved rearwards by 43mm and upwards 36mm. The steering wheel hub moved 48mm forward, 6mm downward and 23mm sideways. The front ("A") pillar moved 4mm 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. The passenger's head was cushioned by the airbag. There were no knee hazards.

Side Impact Test.

Each body region is scored out of 4 points

Head:	4.00 points
Chest:	4.00 points
Abdomen:	4.00 points
Pelvis:	4.00 points

Pole Test.

Scored out of 2 points

Vehicles are eligible for a pole test if fitted with head-protecting side airbags. The Subaru Forester was eligible and earned the maximum two points in this test.

Whiplash Protection Test.

Whiplash protection is assessed to the RCAR Protocol

Geometric test:	GOOD
Dynamic test:	GOOD

Injury Outcomes.

Frontal Offset
Driver



Passenger



Side Impact
Driver



Whiplash



PEDESTRIAN PROTECTION

Pedestrian Test.

Scored out of 36 points

Child head impacts: 10.69 points
 Adult head impacts: 9.64 points
 Upper leg impacts: 0.00 points
 Lower leg impacts: 6.00 points

The bumper scored maximum points for the protection it provided to pedestrians' legs. However, the front edge of the bonnet was poor in all areas tested and scored no points. In most areas where the bonnet would be struck by the head of an adult or that of a child, the bonnet provided good protection against serious injury.



(Tested by Euro NCAP v5.3)



Subaru Forester

SAFETY FEATURES

These specifications are subject to change. Please check with manufacturer for the latest specifications. For a description of these safety features and safety rating requirements see the ANCAP Road Map.

Safety Assist Technology (SAT)	Availability
Front airbag - driver	S
Front airbag - passenger	S
Side airbags (chest protection) - front seats	S
Side airbags (head protection) - front seats	S
Side airbags (head protection) - 2nd row seats	S
Knee airbag - driver	S
Three-point seat belts for all forward facing seats	S
Seat belt pretensioners (front / rear outboard)	S / X
Intelligent seat belt reminder - driver	S
Intelligent seat belt reminder - front passenger	S
Intelligent seat belt reminder - 2nd row seats	S
Head restraints for all seats	S
Antilock brakes (ABS)	S
Electronic brake distribution (EBD)	S
Emergency brake assist (EBA)	S
Electronic stability control (ESC)	S
Adaptive cruise control (ACC)	O
Autonomous emergency braking (AEB)	O
Lane support system	O

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.

INJURY MEASUREMENTS

Body Region	Frontal offset test at 64 km/h (v5.1)		Side impact test at 50 km/h (v5.1)
	Driver	Passenger	Driver
Head			
HIC	391	252	18
Acceleration (g for 3ms)	50.3	41.2	15.2
Neck			
Shear (kN)	0.41	0.70	-
Tension (kN)	1.76	1.32	-
Extension (Nm)	15.8	19.8	-
Chest			
Acceleration (g for 3ms)	41.400	44.600	-
Compression (mm)	27.50	24.50	8.00
Viscous criterion (m/s)	0.09	0.10	0.05
Abdomen			
Force (kN)	-	-	0.440
Pelvis			
Force (kN)	-	-	0.650
Upper legs			
Force left (kN)	0.84	0.64	
Force right (kN)	1.02	1.34	
Knee displacement left (mm)	0.89	1.31	
Knee displacement right (mm)	2.73	0.09	
Lower legs			
Force left (kN)	2.30	1.65	
Force right (kN)	2.86	2.36	
Index (upper / lower) left	0.34 / 0.44	0.23 / 0.17	
Index (upper / lower) right	0.47 / 0.46	0.33 / 0.24	

MODIFIERS

Deductions from frontal offset test scores

Head:	No deduction
Chest:	No deduction
Upper leg:	No deduction
Lower leg:	No deduction
Foot score:	Score 4 points

Deductions from side impact test scores

Chest:	No deduction
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Note: Steering column and pedal movements are measured relative to the driver's seat.

* For information about the application of ANCAP ratings to model variants see the ANCAP Variant Policy. In brief, ratings do not automatically extend to variants that have different body styles, engine configurations, driven wheels or occupant restraint systems (e.g. fewer airbags). In these cases ANCAP considers technical evidence submitted by manufacturers before deciding on extending a rating to additional variants of a model.

^ Refer ANCAP Rating Road Map (www.ancap.com.au/media).

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