

# ANCAP Safety Rating

## JEEP RENEGADE (May 2016 - onwards)



Jeep Renegade

### This ANCAP safety rating applies to:

Make / Model	Jeep Renegade
Year Range	May 2016 - onwards
Variant(s)*	All front-wheel-drive variants
Vehicle Type	Compact SUV

The Jeep Renegade was introduced in Australia and New Zealand in 2015. This rating is based on tests conducted by Euro NCAP in 2014 and applies to front-wheel-drive Renegade models built from May 2016 when rear seat belt reminders became standard. Other variants are unrated.

Dual frontal, side chest and side head airbags (curtains) and a driver knee airbag are standard in Australia. There was no knee airbag on the vehicle tested by Euro NCAP however this does not affect the rating. Advanced seat belt reminders are fitted to all seats. A full list of safety features and technologies can be viewed within the *Safety Features & Technologies* table on page 2 of this report.

### Injury Outcomes.

#### Frontal Offset



#### Passenger



#### Side Impact & Pole#



#### Whiplash Protection



# Head protection only.

### Test Results Summary.

Airbags	Dual Frontal, Side, Head, Knee
Frontal Offset Test	15.41 (out of 16)
Side Impact Test	16.00 (out of 16)
Pole Test	2.00 (out of 2)
Whiplash Protection	Good
Pedestrian Protection	Acceptable
ESC	Standard
Seat Belt Reminders	3.00 (out of 3)
Overall Score	36.41 (out of 37)
ANCAP Safety Rating	★★★★★
Rating Year^	2016

### Occupant Protection.

#### Frontal Offset Test

Each body region is scored out of 4 points

Head / neck:	4.00 points
Chest:	3.94 points
Upper legs:	4.00 points
Lower legs:	3.47 points

The passenger compartment held its shape well in the frontal offset test. Pedal and steering wheel displacements were well controlled. Driver and passenger contact with the airbags was stable. All doors remained closed during the crash.

#### 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

Good protection was provided for the driver in the side impact test. The side airbags performed well.

#### Pole Test

Scored out of 2 points

Score:	2.00 points
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The Renegade was eligible for a pole test as it has side curtain airbags. Head protection was good in this test.

#### Whiplash Protection Test

Whiplash protection is assessed to the RCAR Protocol

Geometric test:	Good
Dynamic test:	Good
Overall whiplash rating:	Good

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### Pedestrian Protection.

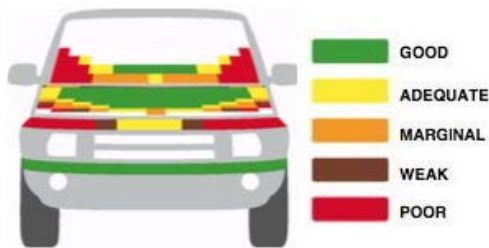
#### Pedestrian Test

Scored out of 36 points

Adult & child head impacts: 16.13 points  
 Upper leg impacts: 1.48 points  
 Lower leg impacts: 6.00 points

This vehicle scored 23.61 out of 36 points (Acceptable). The bumper scored maximum points, showing good protection of pedestrians' legs at all test locations. However, the protection provided by the front edge of the bonnet to the pelvis was predominantly weak or poor. The bonnet showed good protection of a pedestrian's head over most of its surface and was adequate elsewhere. Only on the stiff windscreen pillars were poor results recorded.

(Tested by Euro NCAP v7)



### Score Deductions.

#### Deductions from frontal offset test scores

Head / neck: No deductions  
 Chest: No deductions  
 Upper legs: No deductions  
 Lower legs: No deductions

#### Deductions from side impact test score

Head / neck: No deductions  
 Chest: No deductions  
 Abdomen: No deductions  
 Pelvis: No deductions

#### Deductions from pole test score

Head: No deductions

### Safety Features & Technologies.

Descriptions of each of these safety features and safety assist technologies (SAT) and detail on fitting requirements for each star rating level can be found at [ancap.com.au](http://ancap.com.au).

Safety Feature / Safety Assist Technology	Availability
Seat belts (three-point, lap/sash) for all forward-facing seats	S
Seat belt pretensioners (front)	S
Seat belt pretensioners (rear outboard)	X
Intelligent seat belt reminder (driver)	S
Intelligent seat belt reminder (front passenger)	S
Intelligent seat belt reminder (2 <sup>nd</sup> row seats)*	S
Airbag - Frontal (driver)	S
Airbag - Frontal (passenger)	S
Airbag - Side, chest protection (front seats)	S
Airbag - Side, chest protection (2 <sup>nd</sup> row seats)	X
Airbag - Side, head protection (front seats)	S
Airbag - Side, head protection (2 <sup>nd</sup> row seats)	S
Airbag - Knee (driver)	S
Airbag - Knee (front passenger)	X
Head restraints for all seats	S
Adaptive cruise control (ACC)	X
Antilock braking system (ABS)	S
Autonomous emergency braking (AEB)	
- City	V
- Interurban	V
- Vulnerable road user	X
Automatic headlights	V
Automatic high beam	E
Blind spot monitoring (BSM)	V
Daytime running lights (DRL)	S
Electronic brakeforce distribution (EBD)	S
Electronic stability control (ESC)	S
Emergency brake assist (EBA)	S
Hill launch assist	S
Lane support system (LSS)	V
Rain-sensing wipers	V
Reversing collision avoidance	S
Roll stability system	S
Speed assistance - automatic/intelligent speed limiting (ISA)	X
Speed assistance - manual speed limiting	S
Speed assistance - speed sign recognition & warning	X
Trailer stability control	S
Tyre pressure monitoring system (TPMS)	S

**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.

**E** = Available in Europe / USA but not available on any Australasian variant.

\* = Rear seat belt reminders are standard on vehicles built from May 2016.

These specifications are subject to change. Please check with the manufacturer for the latest specifications.

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### Injury Values & Measurements.

Body Region	Frontal offset test at 64 km/h (v7)		Side impact test at 50 km/h (v7)
	Driver	Passenger	Driver
<b>Head</b>			
HIC	191.00	377.00	41.00
Acceleration (g for 3ms)	37.70	51.80	21.60
<b>Neck</b>			
Shear (kN)	0.54	0.36	-
Tension (kN)	1.13	0.75	-
Extension (Nm)	8.70	17.60	-
<b>Chest</b>			
Acceleration (g for 3ms)	-	-	-
Compression (mm)	22.39	18.71	10.43
Viscous criterion (m/s)	0.10	0.07	0.04
<b>Abdomen</b>			
Force (kN)	-	-	0.38
<b>Pelvis</b>			
Force (kN)	-	-	0.90
<b>Upper legs</b>			
Femur force left (kN)	0.19	0.05	
Femur force right (kN)	0.33	0.25	
Knee displacement left (mm)	0.15	0.73	
Knee displacement right (mm)	0.95	0.68	
<b>Lower legs</b>			
Force left (kN)	2.46	1.23	
Force right (kN)	1.03	1.58	
Index (upper / lower) left	0.41 / 0.25	0.25 / 0.11	
Index (upper / lower) right	0.43 / 0.52	0.29 / 0.14	
<b>Intrusion Measurements</b>			
<b>Steering column</b>			
Forward (mm)	68		
Downward (mm)	27		
Sideways (mm)	1		
<b>Pedals</b>			
Clutch - rearward (mm)	23		
Accelerator - downward (mm)	22		
<b>A-Pillar</b>			
Rearward (mm)	0		

\* **Model Variants:** ANCAP safety 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. For further information about the application of ANCAP safety ratings to model variants, see the ANCAP Variant Policy.

^ **Rating Year:** The Rating Year denotes the year requirements against which a vehicle has been assessed. The Rating Year is determined by ANCAP and may be based on the year in which a new vehicle model is first launched into the Australian and/or New Zealand markets; the year in which the vehicle was tested (if tested by Euro NCAP); or, for vehicles which hold an existing ANCAP safety rating, the year in which the rating was updated (or earlier applicable year).

### Assessment Details.

Tested Make / Model	Jeep Renegade Limited FWD LHD
Tested Vehicle(s) Built	2014
Tested Body Type	Wagon
Tested Vehicle Kerb Weight	1390 kg
Tested Vehicle Engine	1.6 litre diesel
Tested By	Euro NCAP
Assessed By	ANCAP
Document Reference	RENEGADE16
Document Created / Revised	3 October 2016
Rating Published	October 2016
Rating Updated	n/a



Frontal offset test at 64km/h