

Pedestrian Protection Test Results

Eighteen percent of all road fatalities in Australia and New Zealand are pedestrians. The pedestrian impact test estimates injuries to pedestrians struck by a vehicle travelling at 40km/h. It consists of dummy components projected at the vehicle front and bonnet to evaluate injury risk for the head of an adult and child, upper leg and knee.

To simplify the crash test results ANCAP has assigned a pedestrian protection rating based on an overall score, which is portrayed as a star rating out of 4 – **the more stars the better.**

Occupant Protection Test Results

The occupant protection rating considers the injury measures to the vehicle occupant's head, neck, chest, abdomen, pelvis, upper and lower legs and the deformation of the vehicle's structure. The vehicles purchased for the test program are typical of those vehicles available to new car purchasers.

A star rating is assigned on the basis of crash test results from an offset and side impact crash and include any additional points awarded where advanced seatbelt reminders are fitted or a pole test is conducted.

To simplify the crash test results ANCAP has assigned an occupant protection rating based on an overall score, which is portrayed as a star rating out of 5 – **the more stars the better.**



ANCAP
Crash testing for safety
**AUSTRALASIAN
NEW CAR ASSESSMENT
PROGRAM**

The assistance of EuroNCAP is gratefully acknowledged.
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Published by Australasian New Car Assessment Program
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ANCAP
Crash testing for safety
**AUSTRALASIAN
NEW CAR ASSESSMENT
PROGRAM**

CRASH TEST

AUGUST

4WD's

- UTES
- LARGE CARS
- SMALL CARS
- SPORTS CARS
- MEDIUM CARS
- COMMERCIAL VANS

2006 RESULTS



Who is ANCAP?

The Australasian New Car Assessment Program (ANCAP) gives consumers consistent information on the level of occupant protection provided by vehicles in serious front and side crashes.

The program is supported by Australian and New Zealand automobile clubs, the State governments of NSW, Victoria, South Australia, Queensland, Western Australia and Tasmania, the New Zealand Government and the FIA Foundation.

Making Comparisons

ANCAP results are intended to be used to compare the crash protection provided by vehicles in severe crashes. Occupants of heavier vehicles in real-world two-vehicle crashes typically fare better than occupants in lighter vehicles. This is why crash test results shouldn't be compared among vehicles with large weight differences. However in many single-vehicle crashes, weight offers no safety advantage. In Australia, 44% of fatal crashes are single-vehicle crashes.

The Results

These crash tests are essential to determine how much protection these individual vehicles afford their occupants and pedestrians. The results in this report are based on a series of crash tests conducted in Australia and Europe. Vehicle manufacturers were given the opportunity to examine their vehicles before and after the tests and to view the crash tests and data.

The test results indicate the relative protection provided to front seat occupants when seat belts are used. The results may not be representative for models that have different safety equipment fitted.

EuroNCAP Testing Procedures

European NCAP (EuroNCAP) testing procedures are substantially the same as ANCAP testing procedures.

However, the EuroNCAP results are to be used as a guide only, as the structure and equipment of the European specification model may differ materially from that of the Australian or New Zealand vehicle of the same name.

What is ESC? And why does ANCAP recommend it?

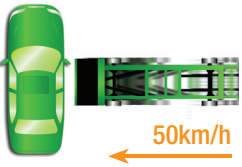
Recent evidence from international research organisations shows that Electronic Stability Control (ESC) can dramatically reduce the chances of being involved in certain types of crashes. ESC senses when a driver is about to lose control by detecting differences between a vehicle's course and the driver's intended direction. By selectively applying the brakes to individual wheels, ESC helps the driver to maintain control of the vehicle and to steer safely. This can make the difference between a crash and a near-miss. Vehicles fitted with ESC are significantly less likely to be involved in single vehicle crashes than those that are not.

There are many different names for ESC. Some examples are :

- Electronic Stability Program (ESP)
- Vehicle Stability Control (VSC)
- Dynamic Stability Control (DSC)
- Vehicle Stability Assist (VSA)

ANCAP Crash Test Procedures

Side Impact



The side impact test consists of running a 950kg trolley into the driver's side of the test vehicle at 50km/h. The trolley has a crushable aluminium face to simulate the front of another vehicle.

A dummy measures the likely injuries in this type of crash.

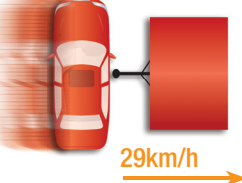
Frontal Offset



The offset frontal crash test simulates colliding with another vehicle. In this test, 40% of the test vehicle, on the driver's side, initially makes contact with a crushable aluminium barrier at 64km/h.

A dummy measures the likely injuries in this type of crash.

Pole Test



The pole test consists of running the test vehicle sideways into a pole 250mm in diameter, lined up with the drivers head, at 29km/h. This test is optional at the manufacturer's cost if the vehicle performs well in the side impact test and is fitted with head protection side airbags.

It simulates a collision with stationary objects such as a power pole or a tree. A dummy measures the likely injuries in this type of crash.



CRASH TEST RESULTS

AUGUST 2006 RESULTS

ANCAP Occupant Protection Test Results

Vehicle Make & Model	Occupant Rating				
	★	★	★	★	★
4WD					
Ford Territory					
2006 on, Dual Front & Curtain Airbags					
Ford Territory					
2006 on, Dual Front Airbags					
Large					
Mitsubishi 380					
2005 on, Front & Side Airbags					
Small					
Toyota Yaris					
2005 on, Dual Front Airbags					
Nissan Tiida					
2006 on, Dual Front Airbags					
Holden Barina					
December 2005 on, Dual Front Airbags					
Commercial Van					
Toyota Hiace					
December 2005 on, Dual Front Airbags					

ANCAP Occupant Protection Test Results

Vehicle Make & Model	Occupant Rating				
	★	★	★	★	★
Utes					
Toyota Hilux 4X2					
2005 on, Dual Front airbags					
Toyota Hilux 4x4					
2005 on, Dual Front Airbags					
Ford Falcon BA Utility					
2004 on, Driver Airbag					
Holden Rodeo 4x2					
2004 on, Dual Front Airbags					
Holden Rodeo 4x4					
2004 on, Dual Front Airbags					
Ford Courier / Mazda Bravo 4x4					
1999 on, No Airbags					
Mitsubishi Triton 4x2					
2002 on, No Airbags					

EuroNCAP Occupant Protection Test Results

Vehicle Make & Model	Occupant Rating				
	★	★	★	★	★
4WD					
Nissan Pathfinder (LHD)					
2005 on, Front, Side & Head Airbags					
Hyundai Tucson (LHD)					
2006 on, Front, Side & Head Airbags					
Large					
Citroen C6 (LHD)					
2006 on, Front, Side & Head Airbags					
VW Passat (LHD)					
2006 on, Front, Side & Head Airbags					
Small					
Toyota Yaris (LHD)					
2005 on, Front, Side & Head Airbags					
Fiat Punto (LHD)					
2005 on, Front, Side & Head Airbags					
Citroen C3 (LHD)					
2006 on, Front & Side Airbags					

EuroNCAP Occupant Protection Test Results

Vehicle Make & Model	Occupant Rating				
	★	★	★	★	★
Medium					
Peugeot 407 Coupe (LHD)					
2006 on, Front, Side & Head Airbags					
Alfa Romeo 159 (LHD)					
2006 on, Front, Side & Head Airbags					
Sports					
Renault Megane CC (LHD)					
2004 on, Front, Side & Head Airbags					

★ THE MORE STARS THE BETTER THE VEHICLE PERFORMED IN THE TESTS

P AN OPTIONAL POLE TEST WAS CARRIED OUT ON THIS VEHICLE. SEE 'ABOUT THE TESTS' FOR MORE INFORMATION.

PEDESTRIAN RESULTS

ANCAP & EuroNCAP Pedestrian Impact Test Results

Vehicle Make & Model	Pedestrian Rating			
	★	★	★	★
4WD				
Nissan Pathfinder (LHD)				
Hyundai Tucson (LHD)				
Large				
Citroen C6 (LHD)				
VW Passat (LHD)				
Mitsubishi 380				
Small				
Fiat Punto (LHD)				
Toyota Yaris				
Toyota Yaris (LHD)				
Nissan Tiida				
Citroen C3 (LHD)				
Holden Barina				

ANCAP & EuroNCAP Pedestrian Impact Test Results

Vehicle Make & Model	Pedestrian Rating			
				
Medium				
Peugeot 407 Coupe (LHD)				
Alfa Romeo 159 (LHD)				
Commercial Van				
Toyota Hiace				
Sports				
Renault Megane CC (LHD)				
Utes				
Holden Rodeo 4x4				
Toyota Hilux 4x4				
Ford Falcon BA			Sedan Result	
Ford Courier / Mazda Bravo 4x4				