

Buyers Guide to Used Car Safety Ratings 2010

KEY				
Crash Safety Rating				
Excellent		★	★	★
Good		★	★	★
Marginal		★	★	
Poor		★	★	
Very Poor		★		

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Crash Safety Rating				
Excellent		★	★	★
Good		★	★	★
Marginal		★	★	
Poor		★	★	
Very Poor		★		

SMALL CARS

Make	Model	Year	Crash Safety Rating
Chrysler	Neon	96-99	★ ★ ★ ★ ★
Mazda	MX5/Eunos Roadster	98-05	★ ★ ★ ★ ★
Peugeot	307	01-08	★ ★ ★ ★ ★
Volvo	S40/V40	97-04	★ ★ ★ ★ ★
Volkswagen	Golf/Jetta	04-08	★ ★ ★ ★ ★
Ford	Focus LR	02-05	★ ★ ★ ★
Ford	Focus LS/LT	05-08	★ ★ ★ ★
Holden	Astra AH	04-08	★ ★ ★ ★
Holden	Viva JF	05-08	★ ★ ★ ★
Mazda	3/Axela	03-08	★ ★ ★ ★
Peugeot	306	94-01	★ ★ ★ ★
Subaru	Impreza	01-07	★ ★ ★ ★
Suzuki	Baleno/Cultus Crescent	95-02	★ ★ ★ ★
Volkswagen	Golf	95-98	★ ★ ★ ★
Volkswagen	Golf/Bora	99-04	★ ★ ★ ★
Daewoo	Nubira	97-03	★ ★ ★
Holden	Astra TR	96-98	★ ★ ★
Holden	Astra TS	98-06	★ ★ ★
Hyundai	Elantra	00-06	★ ★ ★
Mazda	323/Familia/Lantis	95-98	★ ★ ★
Ford/Mazda	Laser/323	99-03	★ ★ ★
Nissan	Pulsar	00-05	★ ★ ★
Honda	Civic	96-00	★ ★ ★
Honda	Civic	01-05	★ ★ ★
Honda	Integra	93-01	★ ★ ★
Toyota	Corolla/Allex	98-01	★ ★ ★
Toyota	Corolla	02-07	★ ★ ★
Daihatsu	Applause	89-99	★ ★
Daewoo	Cielo	95-97	★ ★
Daewoo	Lanos	97-03	★ ★
Ford	Laser	95-97	★ ★
Hyundai	S Coupe	90-96	★ ★
Hyundai	Lantra	96-00	★ ★
Hyundai	Coupe	96-00	★ ★
Hyundai	Accent	00-06	★ ★
Mitsubishi	Lancer/Mirage CE	96-03	★ ★
Mitsubishi	Lancer CH/CJ	03-08	★ ★
Kia	Rio	00-05	★ ★
Nissan	Pulsar/Vector/Sentra	96-99	★ ★
Toyota/Holden	Corolla/Nova	94-97	★ ★
Toyota	Paseo/Cynos	91-99	★ ★
Hyundai	Excel/Accent	95-00	★
Nissan	NX/NX-R	91-96	★
Proton	Wira	95-96	★
Subaru	Impreza	93-00	★

MEDIUM CARS

Audi	A4	01-08	★ ★ ★ ★ ★
BMW	5 Series E39	96-03	★ ★ ★ ★ ★
Mazda	6	02-07	★ ★ ★ ★ ★
Mercedes Benz	C-Class W203	00-07	★ ★ ★ ★ ★
Honda	Accord	03-07	★ ★ ★ ★ ★
Peugeot	406	96-04	★ ★ ★ ★ ★
Saab	900/9-3	94-02	★ ★ ★ ★ ★
Saab	9000	86-97	★ ★ ★ ★ ★
Subaru	Liberty/Legacy/Outback	03-08	★ ★ ★ ★ ★
Audi	A4	95-01	★ ★ ★ ★
BMW	3 Series E46	99-06	★ ★ ★ ★
Ford	Cougar	99-03	★ ★ ★ ★
Mercedes Benz	C-Class W202	95-00	★ ★ ★ ★
Honda	Accord Euro	03-08	★ ★ ★ ★
Honda	Accord	99-02	★ ★ ★ ★
Honda	Prelude	97-02	★ ★ ★ ★
Peugeot	405	89-97	★ ★ ★ ★
Subaru	Liberty/Legacy/Outback	99-03	★ ★ ★ ★
Volkswagen	Passat	98-06	★ ★ ★ ★
BMW	3 Series E36	92-98	★ ★ ★
Daewoo	Leganza	97-02	★ ★ ★
Ford	Mondeo	95-01	★ ★ ★
Holden	Calibra	94-97	★ ★ ★
Holden	Vectra	97-03	★ ★ ★
Hyundai	Sonata	98-01	★ ★ ★
Mitsubishi	Galant	95-96	★ ★ ★
Ford/Mazda	Telstar/626/MX6/Capella/Cronos	92-97	★ ★ ★
Mazda	626	98-02	★ ★ ★
Nissan	Bluebird	93-97	★ ★ ★
Nissan	200SX/Silvia	94-02	★ ★ ★
Honda	Accord	94-98	★ ★ ★
Honda	Prelude	92-96	★ ★ ★
Subaru	Liberty/Legacy/Outback	94-98	★ ★ ★
Toyota	Celica	94-99	★ ★ ★
Holden/Toyota	Apollo JM/JP/Camry/Sceptor	93-97	★ ★
Daewoo	Espero	95-97	★
Daewoo	Tacuma	00-04	★

LARGE CARS

Toyota	Aurion	06-08	★ ★ ★ ★ ★
Toyota	Camry	06-08	★ ★ ★ ★ ★
Ford	Fairlane & LTD AU	99-02	★ ★ ★ ★
Holden	Statesman/Caprice WH	99-03	★ ★ ★ ★
Mitsubishi	Magna TL/TW/Verada KL/KW	03-05	★ ★ ★ ★
Mercedes Benz	E-Class W210	96-02	★ ★ ★ ★
Ford	Falcon BA/BF	02-08	★ ★ ★
Holden	Statesman/Caprice VR/VS	94-98	★ ★ ★
Holden	Commodore VY/VZ	02-07	★ ★ ★
Holden	Monaro	01-05	★ ★ ★
Holden	Commodore VE	06-08	★ ★ ★
Nissan	Maxima/Cefiro	95-99	★ ★ ★
Nissan	Maxima	00-02	★ ★ ★
Lexus	ES300/Window	92-01	★ ★ ★
Toyota	Camry	02-06	★ ★ ★
Volvo	850/S70/V70/C70	92-99	★ ★ ★
Ford	Fairlane N & LTD D	95-98	★ ★ ★
Ford	Falcon EF/EL	94-98	★ ★
Ford	Falcon AU	98-02	★ ★
Holden/Toyota	Commodore VR/VS/Lexcen	93-97	★ ★
Holden	Commodore VT/VX	97-02	★ ★
Hyundai	Sonata	89-97	★ ★
Mitsubishi	Magna TE/TF/TH/TJ/Verada KE/KF/KH/KJ/Diamante	96-03	★ ★
Mitsubishi	Magna TR/TS/Verada KR/KS/V3000/Diamante	91-96	★ ★
Toyota	Camry	98-02	★ ★
Toyota	Avalon	00-05	★ ★

LIGHT CARS

Volkswagen	Polo	96-00	★ ★ ★ ★ ★
Holden	Barina TK	05-08	★ ★ ★ ★
Mazda	2	02-07	★ ★ ★ ★
Peugeot	206	99-07	★ ★ ★ ★
Suzuki	Swift	05-08	★ ★ ★ ★
Toyota	Yaris	05-08	★ ★ ★ ★
Daihatsu	Sirion/Storia	98-04	★ ★ ★
Holden	Barina XC	01-06	★ ★ ★
Mazda	121 Metro/Demio	97-02	★ ★ ★
Honda	Jazz/Fit	02-08	★ ★ ★
Daewoo	Matiz	99-04	★ ★
Holden	Barina SB	95-00	★ ★
Mazda	121/Autozam Review	94-96	★ ★
Toyota	Starlet	96-99	★ ★
Toyota	Echo	99-05	★ ★
Daihatsu	Charade	93-00	★
Daihatsu	Mira	90-96	★
Ford	Festiva WD/WH/WF	94-01	★
Hyundai	Getz/TB	02-08	★
Nissan	Micra	95-97	★
Holden/Suzuki	Barina/Swift/Cultus	89-99	★
Suzuki	Alto	85-00	★

PEOPLE MOVERS

Make	Model	Year	Crash Safety Rating
Mitsubishi	Nimbus	99-03	★ ★ ★ ★ ★
Honda	Odyssey	95-00	★ ★ ★ ★
Toyota	Tarago/Prevvia/Estima	00-06	★ ★ ★ ★
Mitsubishi	Starwagon/Delica Spacegear	98-03	★ ★ ★
Kia	Carnival	99-06	★ ★ ★
Toyota	Tarago/Prevvia/Estima	91-99	★ ★ ★
Mitsubishi	Nimbus/Chariot	92-98	★ ★
Mitsubishi	Starwagon/Delica Spacegear	95-98	★ ★

COMMERCIAL VEHICLES - VANS

Ford	Transit	01-08	★ ★ ★ ★ ★
Mercedes Benz	Vito/Viano	99-08	★ ★ ★ ★
Ford	Transit	95-00	★ ★ ★
Toyota	Hiace	05-08	★ ★ ★
Volkswagen	Caravelle/Transporter	95-04	★ ★ ★
Toyota	Hiace/Liteace	96-04	★ ★
Holden/Suzuki	Scurry/Carry	82-00	★

COMMERCIAL VEHICLES - UTES

Mitsubishi	Triton MK	96-06	★ ★ ★ ★
Ford/Mazda	Courier/Bravo/Bounty	03-06	★ ★ ★ ★
Toyota	Hilux	05-08	★ ★ ★ ★
Ford	Falcon Ute	96-99	★ ★ ★
Ford	Falcon Ute AU	00-02	★ ★ ★
Ford	Falcon Ute BA/BF	03-08	★ ★ ★
Holden	Commodore Ute VU	00-02	★ ★ ★
Holden	Commodore Ute VY/VZ	02-07	★ ★ ★
Holden	Rodeo	03-08	★ ★ ★
Ford/Mazda	Courier/B-Series/Bounty	98-02	★ ★ ★
Nissan	Navara	97-05	★ ★ ★
Toyota	Hilux	03-04	★ ★ ★
Holden	Rodeo	96-98	★ ★
Holden	Rodeo	99-02	★ ★
Nissan	Navara	92-96	★ ★
Toyota	Hilux	98-02	★ ★
Holden	Commodore Ute VR/VS	94-00	★
Kia	Ceres	92-00	★
Toyota	4Runner/Hilux	89-97	★

COMPACT 4-WHEEL DRIVE VEHICLES

Subaru	Forester	97-02	★ ★ ★ ★ ★
Kia	Sportage	98-03	★ ★ ★ ★
Ford/Mazda	Escape/Tribute	01-06	★ ★ ★ ★
Honda	CR-V	97-01	★ ★ ★ ★
Honda	CR-V	02-06	★ ★ ★ ★
Subaru	Forester	02-08	★ ★ ★ ★
Suzuki	Grand Vitara	99-05	★ ★ ★ ★
Toyota	RAV4	06-08	★ ★ ★ ★
Nissan	X-Trail	01-07	★ ★ ★
Toyota	RAV4	94-00	★ ★ ★
Toyota	RAV4	01-06	★ ★ ★
Daihatsu	Terios	97-05	★ ★
Daihatsu	Feroza/Rocky	89-97	★
Daihatsu	Rocky/Rugger	85-98	★
Suzuki	Vitara/Escudo	88-98	★
Holden/Suzuki	Drover/Sierra/Samurai/SJ410/SJ413	82-99	★

MEDIUM 4-WHEEL DRIVE VEHICLES

Mitsubishi	Pajero NM/NP/NS	00-06	★ ★ ★ ★ ★
Ford	Territory SX/SY	04-08	★ ★ ★ ★
Mitsubishi	Challenger	98-06	★ ★ ★ ★
Nissan	Pathfinder/Terrano/Regulus	95-05	★ ★ ★ ★
Toyota	Kluger	03-07	★ ★ ★ ★
Toyota	Landcruiser Prado	03-08	★ ★ ★ ★
Holden/Isuzu	Jackaroo/Bighorn	92-97	★ ★ ★
Mitsubishi	Pajero	92-99	★ ★ ★
Jeep	Cherokee XJ	96-00	★ ★
Toyota	Landcruiser Prado	96-03	★ ★ ★
Holden/Isuzu	Jackaroo/Bighorn	98-02	★ ★

LARGE 4-WHEEL DRIVE VEHICLES

BMW	X5	01-08	★ ★ ★ ★ ★
Ford	Explorer	01-05	★ ★ ★ ★ ★
Mercedes Benz	M-Class W163	98-05	★ ★ ★ ★ ★
Land Rover	Discovery	91-02	★ ★ ★ ★
Nissan	Patrol/Safari	98-08	★ ★ ★
Nissan/Ford	Patrol/Maverick/Safari	88-97	★ ★
Toyota	Landcruiser	98-07	★ ★
Toyota	Landcruiser	90-97	★

NOTES

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You've got your sights set on that car. It's the right price, looks good, and it's the perfect size for what you need. But there are two important factors you may not have thought about. It is important that your vehicle offers you good protection from injury in a crash

– but it is also important that your vehicle offers good protection to other road users, such as pedestrians, cyclists, motorcyclists or the drivers of other vehicles, who may also be involved in a crash. For example, the crash statistics analysed by Monash University indicate that large 4WDs are more likely to cause serious injuries to other road users in a crash than most other vehicle types.

The Used Car Safety Ratings charts on the reverse of this brochure provide you with an overall crash safety rating which includes a model's impact on unprotected road users and drivers of other vehicles. If you are serious about reducing road trauma you need to consider how your vehicle protects all road users, not just its own driver.

IF YOU CARE ABOUT THE SAFETY OF BOTH YOURSELF AND OTHERS, CONSIDER CHOOSING ONE OF THE BEST-RATED MODELS.

This brochure gives ratings for 199 vehicle models which cover most of the popular vehicles in the Australian and New Zealand vehicle fleets manufactured from 1996 to 2008.

It's worth taking a few minutes to read this brochure and find out how the vehicle you are considering purchasing compares. Those few minutes could save a life – your own, your passenger's or that of another road user.



PROTECTING YOU IN A CRASH

If all vehicle designs were equivalent to the safest model, the number of fatal and disabling crash injuries could be significantly reduced.

Safety design features that may significantly reduce the risk of death or injury include:

- crumple zones
- collapsible steering columns
- reinforced door frames
- front, side and curtain airbags
- seat belts designed to work with airbags.

The charts in this brochure show safety ratings for 199 vehicle models.

MYTHS ABOUT VEHICLE SAFETY

MYTH: You can take more risks if you've got a vehicle with safety features – they will save you in a crash. **FACT:** While safety features are more likely to increase your chances of surviving a crash, they don't make you indestructible. Safety features won't necessarily save you from death or serious injury, particularly at higher speeds or if you're not wearing your seat belt.

MYTH: A safe vehicle is more expensive. **FACT:** Many reasonably priced makes and models score very well in the safety ratings and better than some of the more expensive models.

MYTH: Older vehicles tend to be bigger and heavier, and therefore safer. **FACT:** Older vehicles have been shown from crash records to be less safe on average than newer vehicles, due to fewer safety features and less sophisticated design.

HOW THESE SAFETY RATINGS ARE CALCULATED

Records from over 3 million vehicles in police-reported road crashes in New Zealand and Australia between 1996 and 2008 were analysed by Monash University's Accident Research Centre. The ratings were calculated using an internationally reviewed method¹ and are influenced by the vehicle's mass, the structural design of the body, and the safety features, such as airbags and types of seat belts, in the vehicle.

The ratings on the reverse of this brochure reflect how well individual models protect ALL road users from injury in the event of a crash, including cyclists, pedestrians and drivers of other vehicles. This is a better guide to the total community impact of vehicle safety than looking only at how each vehicle protects its own driver. If you wish to see separate ratings for how a vehicle protects its driver and how it protects other road users, visit one of the websites listed in this brochure.

The ratings are about the risk of injury related to the vehicle in the event of a crash. They are not about the risk of being involved in the crash in the first place, which is generally determined by a range of factors including driver behaviour and crash environment.

This update features 199 vehicle models. New makes and models of used vehicles, as well as an additional year of crash data, have been added for this update meaning these ratings are not necessarily comparable with ratings in previous years' brochures. The scores for each individual make/model are compared against the ratings for all other vehicles. Because the ratings reflect the overall crash safety performance of a vehicle, a vehicle can only score well if it provides good protection from serious injury for its own driver, as well as for other drivers, pedestrians, cyclists and motorcyclists in the event of a crash.

¹ Full technical details on how the ratings are calculated can be found in a downloadable report on the Monash University Accident Research Centre website www.monash.edu.au/maarc

WON'T CERTAIN KINDS OF VEHICLES SCORE A GOOD RATING BECAUSE OF THE TYPES OF PEOPLE WHO DRIVE THEM OR WHERE THEY ARE DRIVEN?

These factors were taken into account as much as possible when the data were analysed. The ratings were adjusted for factors such as: driver gender and age, type of road user involved, speed limit at the crash location, number of vehicles involved, crash configuration and year of crash.

WHAT'S THE DIFFERENCE BETWEEN THESE RATINGS AND NEW CAR SAFETY RATINGS?

New car safety ratings (eg ANCAP) are determined by crash testing vehicles in a controlled laboratory setting while the used car safety ratings in this brochure are calculated using data from police reports on actual crashes. Occupants of heavier vehicles in real-world two-vehicle crashes typically fare better than those in lighter vehicles. This is why ANCAP crash test results should not be compared among vehicles with large weight differences. In many single-vehicle crashes, weight offers no safety advantage. ANCAP crash test ratings relate to occupant protection and the ability of the car to avoid a crash. ANCAP has a separate rating for a vehicle's ability to protect a pedestrian in a crash. The Used Car ratings listed in this brochure can be compared across all categories as they are derived from reports of actual on-road crashes. Used car ratings represent both the ability of the car to protect its occupant and how likely it is to injure another road user in a crash.

Any vehicle safety rating system can only provide an indication of the relative levels of protection between vehicles you can expect in the event of a crash. Whether or not you die or are seriously injured in a crash also depends on how safely you drive your vehicle.

NEWER VEHICLES ARE SAFER

An important finding of the Used Car Safety Ratings is that on average newer models provide their drivers with better protection from injury in a crash. These improvements come from better structural designs, as well as an increase in the fitting of safety features such as front, side and curtain airbags, more advanced seat belt systems and vehicle interiors built with plastics instead of steel, so that they provide padding when struck by a human occupant.

While average vehicle safety levels have improved over time, there is significant variation even between vehicle models of the same age. Furthermore, some vehicle models, including recent ones, provide good protection for their own drivers in a crash but do not score well in these overall safety ratings because they present a relatively high risk of injury to other road users in a crash. The Used Car Safety Ratings assist buyers to select vehicle models that provide the best protection for all road users including themselves.

FEATURES TO ASSIST AVOIDING A CRASH

An increasing number of vehicles are being equipped with safety features that help drivers avoid a crash and these should be considered when purchasing a used car. Some of these features are:

- Electronic Stability Control (ESC)
- Anti-lock Brake System (ABS)
- Traction Control
- Brake Assist

WHERE TO FIND OUT MORE

For more information or answers to frequently asked questions, visit the website of the organisation nearest to you:

New Zealand
New Zealand Transport Agency: www.rightcar.govt.nz
Phone 0800 699 000

New Zealand Automobile Association: www.aa.co.nz
Phone 0800 500 333 (option 5)

Australia
Department of Infrastructure, Transport, Regional Development and Local Government: www.infrastructure.gov.au

Victoria
RACV: www.racv.com.au Phone 03 9790 2190
VicRoads: www.vicroads.vic.gov.au
Transport Accident Commission: www.howsafeisyourcar.com.au

New South Wales
RTA: www.rta.nsw.gov.au Phone 1800 042 865
NRMA: www.mynrma.com.au/ucsr Phone 13 11 22

Western Australia
RAC: www.rac.com.au Phone 1800 502 328

Office of Road Safety: www.officeofroadsafety.wa.gov.au
Phone 08 9222 9922

Queensland
Queensland Transport: www.transport.qld.gov.au
RACQ Technical Advisory Service: www.racq.com
Phone 07 3666 9148 or 1800 623 456

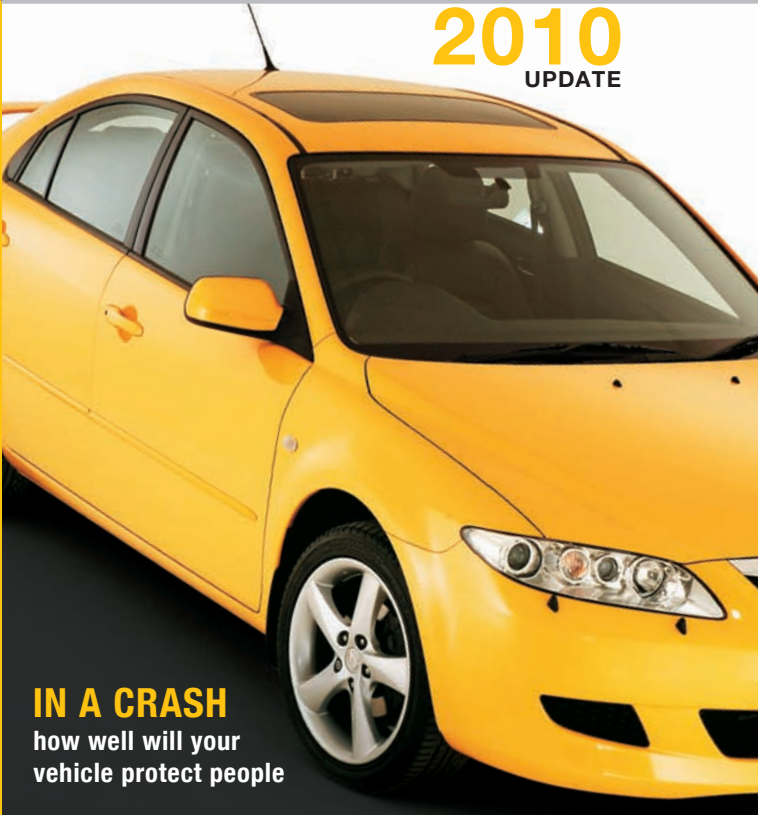
South Australia
RAA: www.raa.com.au Phone 08 8202 4689

Used Car Safety Ratings

BUYER'S GUIDE

Passenger vehicles built 1996–2008

2010
UPDATE



IN A CRASH
how well will your vehicle protect people