

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 two crash safety ratings: one which rates the vehicle's ability to protect its own driver in the event of a crash and one which rates the vehicle's impact on unprotected road users and drivers of other vehicles in a crash. If you are serious about reducing road trauma you need to consider how your vehicle protects other road users as well as 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 174 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 174 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.

Each of the driver protection ratings in the 2010 update has been recalculated based on the most recent crash data available so they are not necessarily comparable with the ratings in previous years' brochures. Some makes and models of vehicles in this brochure are not rated for harm to other road users due to insufficient data.

This update features 174 vehicle models. The scores for each individual make/model are compared against the ratings for all other vehicles. 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.

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 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.howsafeyourcar.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

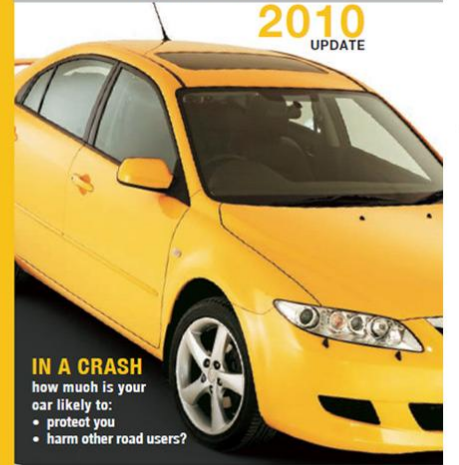
South Australia
RAA: www.raa.com.au Phone 08 8202 4689

Used Car Safety Ratings

BUYER'S GUIDE

Passenger vehicles built 1996–2008

2010 UPDATE



IN A CRASH
how much is your car likely to:
• protect you
• harm other road users?



09/2010

Buyers Guide to Used Car Safety Ratings 2010

KEY

Crashworthiness

How seriously is your vehicle likely to harm another road user?

Excellent	✓✓	Significantly less harm to other road users than average
Good	✓	Less harm than average
Marginal	0	Average
Poor	✗	More harm than average
Very Poor	✗✗	Significantly more harm than average

Where no rating is included, there was insufficient data available for that particular vehicle.

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Where no rating is included, there was insufficient data available for that particular vehicle.

SMALL CARS

Make	Model	Year	Crashworthiness	How seriously is your vehicle likely to harm another road user?
Volkswagen	Golf/Bora	99-04	✓✓	
Volvo	S40/V40	97-04	✓✓	
Volkswagen	Golf/Jetta	04-08	✓	
Ford	Focus LR	02-05	✓	
Mazda	3/Azela	03-08	✓	
Peugeot	306	94-01	✓	
Subaru	Impreza	01-07	✓	
Ford	Focus LS<	05-08	✓	
Holden	Astra AH	04-08	✓	
Volkswagen	Golf	95-98	✓	
Holden	Astra TR	96-98	✓	
Honda	Civic	01-05	✓	
Honda	Integra	93-01	✓	
Suzuki	Baleno/Cultus Crescent	95-02	✓	
Daewoo	Nubira	97-03	✓	
Holden	Astra TS	98-06	✓	
Hyundai	Elantra	00-06	✓	
Ford/Mazda	Laser/323	99-03	✓	
Honda	Civic	96-00	✓	
Toyota	Corolla/Alex	98-01	✓	
Toyota	Corolla	02-07	✓	
Hyundai	S Coupe	90-96	✓	
Daihatsu	Applause	89-99	✓	
Daewoo	Cielo	95-97	✓	
Ford	Laser	95-97	✓	
Mitsubishi	Lancer/Mirage CE	96-03	✓	
Mazda	323/Familia/Lantis	95-98	✓	
Nissan	Pulsar/Vector/Seatra	96-99	✓	
Nissan	Pulsar	00-05	✓	
Toyota/Holden	Corolla/Nova	94-97	✓	
Toyota	Paseo/Cynos	91-99	✓	
Daewoo	Lanos	97-03	0	
Hyundai	Excel/Accent	95-00	0	
Hyundai	Lastra	96-00	0	
Hyundai	Accent	00-06	0	
Mitsubishi	Lancer CH/CJ	03-08	0	
Kia	Rio	00-05	0	
Subaru	Impreza	93-00	0	
Hyundai	Coupe	96-00	0	
Nissan	NX/NX-R	91-96	0	
Proton	Wira	95-96	0	

PEOPLE MOVERS

Make	Model	Year	Crashworthiness	How seriously is your vehicle likely to harm another road user?
Kia	Carnival	99-06	✓✓	
Honda	Odyssey	95-00	✓	
Toyota	Tarago/Previa/Estima	00-06	✓	
Toyota	Tarago/Previa/Estima	91-99	✓	
Mitsubishi	Starwagon/Delica Spacegear	95-98	✗	
Mitsubishi	Starwagon/Delica Starwagon	98-03	✗✗	

COMMERCIAL VEHICLES - VANS

Make	Model	Year	Crashworthiness	How seriously is your vehicle likely to harm another road user?
Volkswagen	Caravelle/Transporter	95-04	✓✓	
Ford	Transit	01-08	✓	
Ford	Transit	95-00	✓	
Toyota	Hiace/Liteace	96-04	✓	
Holden/Suzuki	Scurry/Carry	82-00	✗	

COMMERCIAL VEHICLES - UTES

Make	Model	Year	Crashworthiness	How seriously is your vehicle likely to harm another road user?
Mitsubishi	Triton MK	96-06	✓✓	
Ford/Mazda	Courier/Bravo/Bounty	03-06	0	
Ford	Falcon Ute BA/BF	03-08	✓	
Holden	Rodeo	03-08	✗	
Toyota	Hilux	05-08	✓	
Nissan	Navara	97-05	✗	
Toyota	Hilux	03-04	✗	
Ford	Falcon Ute	96-99	✗	
Holden	Commodore Ute VU	00-02	✗	
Ford/Mazda	Courier/B-Series/Bounty	98-02	✗	
Ford	Falcon Ute AU	00-02	✗	
Holden	Commodore Ute VY/VZ	02-07	✗	
Toyota	Hilux	98-02	✗	
Holden	Rodeo	96-98	✗	
Holden	Rodeo	99-02	✗	
Nissan	Navara	92-96	✗	
Holden	Commodore Ute VR/VS	94-00	✗	
Toyota	4Runner/Hilux	89-97	✗	
Kia	Ceres	92-00	✗	

MEDIUM CARS

Make	Model	Year	Crashworthiness	How seriously is your vehicle likely to harm another road user?
Mazda	6	02-07	✓✓	
Saab	900/9-3	94-02	✓✓	
Saab	9000	86-97	✓✓	
BMW	5 Series E39	96-03	✓	
Honda	Accord	03-07	✓	
Honda	Accord	99-02	✓	
Mercedes Benz	C-Class W202	95-00	✓	
Honda	Accord Euro	03-08	✓	
Subaru	Liberty/Legacy/Outback	03-08	✓	
Subaru	Liberty/Legacy/Outback	99-03	✓	
Audi	A4	95-01	✓	
BMW	3 Series E46	99-06	✓	
Ford	Mondeo	95-01	0	
Holden	Vectra	97-03	0	
Mazda	626	98-02	0	
Nissan	200SX/Silvia	94-02	0	
Nissan	Bluebird	93-97	0	
Toyota	Celica	94-99	0	
BMW	3 Series E36	92-98	0	
Honda	Accord	94-98	0	
Subaru	Liberty/Legacy/Outback	94-98	✗	
Mitsubishi	Galant	95-96	✗	
Ford/Mazda	Telstar/626/MX6/Capella/Cronos	92-97	✗	
Honda	Prelude	92-96	✗	
Holden/Toyota	Apollo JM/JP/Canby/Scepter	93-97	✗	
Daewoo	Espero	95-97	✗	
Daewoo	Tacuma	00-04	✗	

COMPACT 4-WHEEL DRIVE VEHICLES

Make	Model	Year	Crashworthiness	How seriously is your vehicle likely to harm another road user?
Honda	CR-V	02-06	✓✓	
Subaru	Forester	97-02	✓✓	
Honda	CR-V	97-01	✓	
Subaru	Forester	02-08	✓	
Kia	Sportage	98-03	✓	
Suzuki	Grand Vitara	99-05	✓	
Ford/Mazda	Escape/Tribute	01-06	0	
Nissan	X-Trail	01-07	0	
Toyota	RAV4	01-06	✗	
Toyota	RAV4	94-00	✗	
Suzuki	Vitara/Escondo	88-98	0	
Holden/Suzuki	Drover/Sierra/Samura/SJ410/SJ413	82-99	0	
Daihatsu	Feroza/Rocky	89-97	✗	
Daihatsu	Rocky/Rugger	85-98	✗	
Daihatsu	Terios	97-05	✗	
Holden	Cruze	02-06	✗	
Land Rover	Freelander	98-06	✗	

LARGE CARS

Make	Model	Year	Crashworthiness	How seriously is your vehicle likely to harm another road user?
Mercedes Benz	E-Class W210	96-02	✓✓	
Toyota	Camry	06-08	✓	
Ford	Fairlane & LTD AU	99-02	✓	
Holden	Commodore VE	06-08	✗	
Holden	Statesman/Caprice WH	99-03	✗	
Holden	Monaro	01-05	0	
Mitsubishi	Magna TL/TW/Verada KL/KW	03-05	0	
Holden	Commodore VY/VZ	02-07	0	
Toyota	Camry	02-06	0	
Ford	Falcon BA/BF	02-08	✗	
Volvo	S80/S70/V70/C70	92-99	✗	
Toyota	Avalon	00-05	✗	
Nissan	Maxima/Cefiro	95-99	✗	
Holden	Statesman/Caprice VR/VS	94-98	0	
Ford	Fairlane N & LTD D	95-98	✗	
Ford	Falcon EF/EL	94-98	✗	
Ford	Falcon AU	98-02	✗	
Hyundai	Sonata	89-97	✗	
Mitsubishi	Magna TE/TF/TH/TA/Verada KE/KF/KH/KJ/Diamante	96-03	✗	
Toyota	Camry	98-02	✗	
Holden	Commodore VT/VX	97-02	✗	
Holden/Toyota	Commodore VR/VS/Lexcen	93-97	✗	
Mitsubishi	Magna TR/TS/Verada KR/KS/V3000/Diamante	91-96	✗	

MEDIUM 4-WHEEL DRIVE VEHICLES

Make	Model	Year	Crashworthiness	How seriously is your vehicle likely to harm another road user?
Nissan	Pathfinder/Terrano/Regulus	95-05	✓	
Toyota	Landcruiser Prado	96-03	✗	
Toyota	Landcruiser Prado	03-08	✗	
Ford	Territory SX/SY	04-08	✗	
Mitsubishi	Pajero NM/NP/NS	00-06	✗	
Jeep	Cherokee XJ	96-00	✗	
Holden/Isuzu	Jackaroo/Big Horn	98-02	✗	
Mitsubishi	Pajero	92-99	✗	
Holden/Isuzu	Jackaroo/Big Horn	92-97	✗	

LARGE 4-WHEEL DRIVE VEHICLES

Make	Model	Year	Crashworthiness	How seriously is your vehicle likely to harm another road user?
Land Rover	Discovery	91-02	0	
Nissan	Patrol/Safari	98-08	✗	
Nissan/Ford	Patrol/Maverick/Safari	88-97	✗	
Toyota	Landcruiser	98-07	✗	
Toyota	Landcruiser	90-97	✗	

NOTES

LIGHT CARS

Make	Model	Year	Crashworthiness	How seriously is your vehicle likely to harm another road user?
Toyota	Yaris	05-08	✓✓	
Mazda	2	02-07	✓	
Honda	Jazz/Fit	02-08	✓	
Holden	Barina XC	01-06	✓	
Suzuki	Swift	05-08	✓	
Daihatsu	Sirion/Storia	98-04	✓	
Daihatsu	Mira	99-06	✓	
Daewoo	Matiz	99-04	✓	
Mazda	121/Autozam Review	94-96	✓	
Mazda	121 Metro/Demio	97-02	✓	
Toyota	Starlet	96-99	✓	
Daihatsu	Charade	93-00	✓	
Ford	Festiva WD/WH/WF	94-01	✓	
Holden	Barina SB	95-00	✓	
Holden/Suzuki	Barina/Swift/Cultus	89-99	✓	
Toyota	Echo	99-05	✓	
Hyundai	Getz/TB	02-08	✗	
Daihatsu	Pyzar	97-01	✗	
Daewoo	Kalos	03-04	✗	
Nissan	Micra	95-97	✗	
Suzuki	Alto	85-00	✗	
Suzuki	Ignis	00-02	✗	