

**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 the 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.

For the first time this year, the 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 we are serious about reducing road trauma we need to consider how our vehicle protects all road users, not just its own occupants.

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

**Records** from over 3 million police-reported road crashes in New Zealand and Australia between 1987 and 2006 were analysed by Monash University's Accident Research Centre.

Ratings on combined protection to drivers and harm to other road users were calculated using an internationally reviewed method<sup>1</sup>. The ratings are influenced by the vehicle mass, the structural design of the vehicle body, and the safety features, such as airbags and types of seat belts, in the vehicle. There are 349 vehicle models with ratings for combined protection to drivers and other road users. These cover most of the popular vehicles in the Australian and New Zealand vehicle fleets.

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.

<sup>1</sup> 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/muarc](http://www.monash.edu.au/muarc)

#### 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 349 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 if you're speeding or 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.



#### HOW THESE SAFETY RATINGS ARE CALCULATED

**Revised rating system**  
The vehicle ratings in the 2008 update are based on a new rating system and are not comparable with the ratings in previous years' brochures. 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. If you wish to see vehicles rated as they have been in previous years, visit one of the websites listed in this brochure.

The ratings are about the risk of injury related to vehicle design 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 349 vehicles. New makes and models of used vehicles, as well as an additional year of crash data, have been added for this update. The scores for each individual make/model are compared against the 'average' for all 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.

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

#### HOW THESE SAFETY RATINGS ARE CALCULATED

While average vehicle safety levels have improved over time, there is significant variation between vehicle models of the same age. Furthermore, some vehicle models, including recent models, provide good protection of their own occupants 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 the crash. The Used Car Safety Ratings assist buyers to select vehicle models that provide the best protection for all road users including themselves.

#### 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 was analysed. The rating factors out the effect, as much as possible, of who was driving the vehicle – and where.

#### 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. Research shows that the two ratings systems correlate well overall. However, the results should not be compared directly because the different sources of the ratings can lead to differences in the assessment of some vehicles.

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 occupants with stronger protection in a crash. These improvements come from better structural designs, as well as an increase in the fitment of safety features such as front, side and curtain airbags, more advanced seat belt systems and even vehicle interiors built with plastics instead of steel that provide padding when struck by a human occupant.

However, while vehicle safety levels have improved over time on average, the Used Car Safety Ratings allow buyers to select the individual models that provide the best protection for them and other road users.

#### 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**  
Land Transport New Zealand: [www.landtransport.govt.nz](http://www.landtransport.govt.nz)  
Phone 0800 699 000

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

**Australia**  
Department of Infrastructure, Transport, Regional Development and Local Government: [www.infrastructure.gov.au](http://www.infrastructure.gov.au)

**Victoria**  
RACV: [www.racv.com.au](http://www.racv.com.au) Phone 03 9790 2190  
VicRoads: [www.vicroads.vic.gov.au](http://www.vicroads.vic.gov.au)  
Transport Accident Commission: [www.howsafeisyourcar.com.au](http://www.howsafeisyourcar.com.au)

**New South Wales**  
RTA: [www.rta.nsw.gov.au](http://www.rta.nsw.gov.au) Phone 1800 042 865  
NRMA: [www.mynrma.com.au](http://www.mynrma.com.au) Phone 1300 655 443

**Western Australia**  
RAC: [www.rac.com.au](http://www.rac.com.au) Phone 1800 502 328

Office of Road Safety: [www.officeofroadsafety.wa.gov.au](http://www.officeofroadsafety.wa.gov.au)  
Phone 08 9222 9922

**Queensland**  
Queensland Transport: [www.transport.qld.gov.au](http://www.transport.qld.gov.au)  
RACQ Technical Advisory Service: [www.racq.com](http://www.racq.com)  
Phone 07 3666 9148 or 1800 623 456

**South Australia**  
RAA: [www.raa.net.au](http://www.raa.net.au) Phone 08 8202 4689

## Used Car Safety Ratings

BUYER'S GUIDE

Passenger vehicles built 1982–2006

2008  
UPDATE



**IN A CRASH**  
how much is your car likely to:

- protect you
- harm other road users?

Land Transport NZ

Ikiki Whenua Aotearoa

Australian Government

Department of Infrastructure, Transport, Regional Development and Local Government

NRMA

MOTORING + SERVICES

RACV

AA

New Zealand

RTA

RAA

vic roads

TAC

Queensland Government

Queensland Transport

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Buyers Guide to used Car Safety Ratings 2008

KEY			
Crash Safety Rating			
Significantly better than average			
Better than average			
Average			
Worse than average			
Significantly worse than average			

KEY			
Crash Safety Rating			
Significantly better than average			
Better than average			
Average			
Worse than average			
Significantly worse than average			

SMALL CARS

Make	Model	Year	Crash Safety Rating
Volkswagen	Golf/Bora	99-04	
Mazda	3	03-06	
Peugeot	306	94-01	
Volkswagen	Golf/Jetta	04-06	
Peugeot	307	01-06	
Subaru	Impreza	01-06	
Mazda	MX5/Eunos Roadster	98-05	
Citroen	BX	86-94	
Volkswagen	New Beetle	00-06	
Ford/Mazda	Laser/323	99-03	
Holden	Astra TS	98-06	
Toyota	Corolla	98-01	
Toyota	Corolla	02-06	
Ford	Focus LR	02-05	
Toyota/Holden	Corolla/Nova	94-97	
Honda	Civic	96-00	
Mazda	323/Familia/Lantis	90-93	
Suzuki	Baleno/Cultus Crescent	95-02	
Chrysler	Neon	96-99	
Daewoo	Nubira	97-03	
Holden	Astra TR	96-98	
Audi	A4	01-06	
Holden	Astra AH	04-06	
Alfa Romeo	33	83-92	
Mazda	323/Familia/Lantis	95-98	
Mitsubishi	Lancer/Mirage CA	89-90	
Honda	Civic	92-95	
Nissan	Pulsar	00-05	
Honda	Civic	01-05	
Honda	Concerto	89-93	
Honda	Integra	90-92	
Honda	Integra	93-01	
Hyundai	Coupe	96-00	
Kia	Rio	00-05	
Mitsubishi	Lancer CH	03-06	
Nissan	Pulsar/Vector/Sentra	92-95	
Proton	Wira	95-96	
Toyota	Paseo/Cynos	91-99	
Volkswagen	Golf	95-98	
Volvo	S40/V40	97-04	
Mazda	Eunos 30X/Presso/MX-3/ Autozam A2-3	90-97	
Rover	Quintet	82-86	
Mazda	MX5/Eunos Roadster	89-97	
Toyota	Tercel	83-88	
Audi	A3/S3	97-04	
Mercedes Benz	A-Class W168	98-04	
MG	MGF/MG TF	99-05	
Renault	19	91-96	
Toyota	Corolla 4WD Wagon	92-96	
Ford	Focus LS	05-05	
Mini	Mini Cooper	02-06	
Toyota	MR2	91-00	
Mitsubishi	Lancer/Mirage CC	93-95	
Mitsubishi	Lancer/Mirage CE	96-03	
Daewoo	Cielo	95-97	
Daihatsu	Applause	89-99	
Ford	Laser	91-94	
Ford	Laser	95-97	
Honda	Civic/Shuttle	88-91	
Honda	Integra	86-88	
Hyundai	S Coupe	90-96	
Nissan	Pulsar/Vector/Sentra	96-99	
Toyota/Holden	Corolla/Nova	89-93	
Hyundai	Accent	00-06	
Daewoo	Lanos	97-03	
Mitsubishi	Lancer/Mirage CB	91-92	
Subaru	Impreza	93-00	
Ford	Capri	89-94	
Holden	Gemini RB	86-87	
Holden/Nissan	Astra/Pulsar/Vector/Sentra	88-90	
Hyundai	Excel	90-94	
Hyundai	Excel/Accent	95-00	
Toyota	Corolla	86-88	
Honda	CRX	87-91	
Nissan	Gazelle/Silvia	84-86	
Toyota	MR2	87-90	
Ford/Mazda	Laser/323/Familia	82-88	
Holden/Nissan	Astra/Pulsar/Langley	84-86	
Honda	Civic/Ballade/Shuttle	84-87	
Hyundai	Excel	86-90	
Nissan	NX/NX-R	91-96	
Nissan	Exa	83-86	
Mitsubishi	Cordia	83-87	

MEDIUM CARS

Mazda	6	02-06	
Subaru	Liberty/Legacy/Outback	99-03	
BMW	5 Series E39	96-03	
Saab	9000	86-97	
Saab	900/9-3	94-02	
Peugeot	406	96-04	
Honda	Accord Euro	03-06	
Mercedes Benz	C-Class W203	00-06	
BMW	3 Series E46	99-04	
Ford	Mondeo	95-01	
Volkswagen	Passat	98-06	
Honda	Accord	91-93	
Mercedes Benz	C-Class W202	95-00	
Audi	A4	95-01	
BMW	3 Series E36	92-98	
Holden	Vectra	97-03	
Honda	Accord	99-02	
Peugeot	505	82-93	
Subaru	Liberty/Legacy/Outback	94-98	
Ford/Mazda	Telstar/626/MX6/Capella/Cronos	92-97	
BMW	3 Series E30	82-91	
Nissan	Bluebird	93-97	
Subaru	Liberty/Legacy	89-93	
Peugeot	405	89-97	
Volvo	200 Series	82-93	
Subaru	Liberty/Legacy/Outback	03-06	
Lexus	IS200/IS300	99-04	
Saab	9-5	98-05	
Holden	Vectra ZC	03-05	
Mercedes Benz	E-Class W124	86-94	
Mercedes Benz	E-Class W210	96-02	
Subaru	1800/Leone/Omega/4WD Wagon	82-93	
Ford/Mazda	Telstar/626/MX6/Capella	83-86	
Daewoo	Espero	95-97	
Honda	Prelude	83-91	
Hyundai	Lantra	91-95	
Nissan	Pintara	86-88	
Toyota	Camry	83-86	
Saab	900 Series	82-92	
BMW	5 Series E28	82-88	
BMW	5 Series E34	89-95	
Daewoo	Leganza	97-02	
Ford/Mazda	Telstar/626/MX6/Capella	88-91	
Holden/Toyota	Apollo JK/JL/Camry/Vista	88-92	
Holden/Toyota	Apollo JM/JP/Camry/Sceptor	93-97	
Honda	Accord	86-90	
Honda	Accord	94-98	
Honda	Prelude	92-96	
Honda	Prelude	97-02	
Hyundai	Elantra	00-06	
Hyundai	Lantra	96-00	
Mazda	626	98-02	
Mercedes Benz	C-Class W201	87-93	
Mitsubishi	Galant	95-96	
Nissan	200SX/Silvia	94-02	
Toyota	Celica	86-89	
Toyota	Celica	90-93	
Toyota	Celica	94-99	
Holden	Calibra	94-97	
Mazda	RX7	86-91	
Renault	Feugo	82-87	
Alfa Romeo	156	99-06	
Ford	Cougar	99-03	
Mazda	Eunos 500	93-99	
Toyota	Celica	00-05	
Mitsubishi	Sigma/Galant/Sapporo/Lambda	82-84	
Nissan/Ford	Pintara/Corsair/Bluebird	89-92	
Nissan	Bluebird	82-86	
Toyota	Corona	82-88	
Holden	Camira	82-89	
Mitsubishi	Starion	82-87	

LARGE CARS

Holden	Commodore VY/VZ	02-06	
Ford	Falcon AU	98-02	
Ford	Falcon BA/BF	02-06	
Holden	Commodore VT/VX	97-02	
Holden	Statesman/Caprice WH	99-03	
Mitsubishi	Magna TL/TW/Verada KL/KW	03-05	
Toyota	Camry	02-06	
Volvo	700/900 Series	84-92	
Toyota	Cressida/Mark II	89-93	
Ford	Fairlane N & LTD AU	99-02	
Ford	Fairlane N & LTD D	88-94	
Holden/Toyota	Commodore VR/VS/Lexcen	93-97	
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	
Ford	Falcon EF/EL	94-98	
Hyundai	Grandeaur/XG	99-00	
Holden	Statesman/Caprice VR/VS	94-98	
Toyota	Avalon	00-05	
Ford	Falcon EB Series II/Falcon ED	Apr 92-94	
Honda	Legend	86-95	
Volvo	850/S70/V70/C70	92-04	
Jaguar	XJ6	87-94	
Ford	Fairlane N & LTD D	95-98	
Ford	Fairlane Z & LTD F	82-87	
Holden	Statesman/Caprice VQ	90-93	
Hyundai	Sonata	98-01	
Hyundai	Sonata	89-97	
Lexus	ES300/Windom	92-01	
Mercedes Benz	S-Class W126	82-92	
Nissan	Maxima	90-94	
Nissan	Maxima/Cefiro	95-99	
Toyota	Crown/Cressida/Mark II	86-88	
Ford	Falcon EA/Falcon EB Series I	88-Mar 92	
Ford	Taurus	96-98	
Holden	Monaro	01-06	
Nissan	Maxima	00-02	
Nissan	300ZX/Fairlady Z	90-95	
BMW	7 Series E23	82-88	
Holden	Statesman/Caprice WK/WL	03-06	
Lexus	LS400/Celsior	90-00	
Nissan	Maxima	03-06	
Mercedes Benz	S-Class C140	93-98	
Mazda	929/Luce	82-90	
Holden/Toyota	Commodore VN/VP/Lexcen	89-93	
Mitsubishi	Magna TM/TN/TP/Sigma/V3000	85-90	
Nissan	Skyline	83-88	
Ford	Falcon XE/XF	82-88	
Holden	Commodore VB-VL	82-88	
Toyota	Supra	82-90	

PEOPLE MOVERS

Make	Model	Year	Crash Safety Rating
Mitsubishi	Nimbus	99-03	
Kia	Carnival	99-06	
Toyota	Tarago/Prevvia/Estima	91-99	
Honda	Odyssey	95-00	
Nissan	Serena	92-95	
Mitsubishi	Nimbus/Chariot/Spacewagon	85-91	
Mitsubishi	Nimbus/Chariot	92-98	
Mitsubishi	Starwagon/Delica Spacegear	98-03	
Nissan	Prairie	84-86	
Chrysler	Voyager	97-06	
Toyota	Tarago/Prevvia/Estima	00-06	
Mitsubishi	Starwagon/Delica Spacegear	95-98	
Mazda	MPV	94-99	
Mitsubishi	Starwagon/Delica Starwagon	87-93	
Toyota	Tarago	83-89	
Mitsubishi	Starwagon/L300	83-86	

LIGHT CARS

Mazda	121 Metro/Demio	97-02	
Holden	Barina XC	01-06	
Volkswagen	Polo	96-00	
Daihatsu	Sirion/Storia	98-04	
Toyota	Echo	99-05	
Honda	Jazz	02-06	
Daihatsu	Pyzar	97-01	
Suzuki	Ignis	00-02	
Ford	Ka	99-02	
Mazda	2	02-06	
Peugeot	206	99-06	
Peugeot	205	87-94	
Toyota	Yaris	05-06	
Mazda	121/Autozam Review	94-96	
Holden	Barina S8	95-00	
Daewoo	Matiz	99-04	
Toyota	Starlet	96-99	
Daihatsu	Charade	88-92	
Ford	Festiva WD/WH/WF	94-01	
Ford/Mazda	Festiva WA/121	87-90	
Holden/Suzuki	Barina/Swift/Cultus	89-99	
Daihatsu	Charade	93-00	
Nissan	Micra	95-97	
Holden/Suzuki	Barina/Swift/Cultus	86-88	
Daihatsu	Charade	82-86	
Honda	City	83-86	
Mitsubishi	Mirage/Colt	82-88	
Subaru	Sherpa/Fiori/700/Rex	89-92	
Daihatsu	Mira	90-96	
Hyundai	Getz	02-06	
Suzuki	Alto	85-00	

COMMERCIAL VEHICLES - VANS

Ford	Transit	01-06	
Volkswagen	Caravelle/Transporter	95-04	
Mercedes Benz	Vito/Viano	99-06	
Toyota	Hiace/Liteace	96-04	
Ford	Falcon Panel Van	96-99	
Ford	Falcon Panel Van	82-95	
Ford	Transit	95-00	
Mercedes Benz	Sprinter	98-04	
Honda	Acty	83-86	
Kia	Pregio	02-06	
Mercedes Benz	MB100/MB140	99-04	
Holden	Shuttle/WFR Van	82-87	
Toyota	Hiace/Liteace	87-89	
Toyota	Hiace/Liteace	90-95	
Daihatsu	Handivan	82-90	
Holden/Suzuki	Scurry/Carry	82-00	
Toyota	Hiace/Liteace	82-86	
Daihatsu	Hi-Jet	82-90	

COMMERCIAL VEHICLES - UTES

Ford	Falcon Ute BA/BF	03-06	
Holden	Rodeo	03-06	
Holden	Commodore Ute VY/VZ	02-06	
Mitsubishi	Triton MK	96-06	
Nissan	Navara	97-05	
Ford	Falcon Ute AU	00-02	
Toyota	Hilux	98-02	
Ford	Falcon Ute	96-99	
Ford/Mazda	Courier/B-Series/Bounty	98-02	
Ford	Ford F-Series	82-92	
Holden	Rodeo	99-02	
Toyota	Hilux	03-04	
Ford/Mazda	Courier/Bravo/Bounty	03-06	
Holden	Commodore Ute VG/VP	90-93	
Holden	Commodore Ute VU	00-02	
Nissan	Navara	92-96	
Holden	Rodeo	96-98	
Nissan	Navara	86-91	
Holden/Isuzu	Rodeo/Pickup	86-88	
Toyota	Hilux	05-06	
Ford/Nissan	Falcon Ute/XFN Ute	82-95	
Holden	Commodore Ute VR/VS	94-00	
Toyota	4Runner/Hilux	89-97	
Toyota	4Runner/Hilux	86-88	
Kia	Ceres	92-00	
Holden/Isuzu	Rodeo/Pickup	89-95	
Subaru	Brumby	82-92	
Suzuki	Mighty Boy	85-88	

COMPACT 4-WHEEL DRIVE VEHICLES

Subaru	Forester	97-02	
Honda	CR-V	97-01	
Honda	CR-V	02-06	
Kia	Sportage	98-03	
Subaru	Forester	02-06	
Suzuki	Grand Vitara	99-05	
Ford/Mazda	Escape/Tribute	01-06	
Toyota	RAV4	94-00	
Daihatsu	Feroza/Rocky	89-97	
Nissan	X-Trail	01-06	
Toyota	RAV4	01-06	
Holden	Cruze	02-06	
Honda	HR-V	99-02	
Lada	Niva	84-99	
Daihatsu	Terios	97-05	
Suzuki	Vitara/Escudo	88-98	
Holden/Suzuki	Drover/Sierra/Samurai/SJ410 /SJ413	82-99	
Daihatsu	Rocky/Rugger	85-98	

MEDIUM 4-WHEEL DRIVE VEHICLES

Mitsubishi	Pajero NM/NP/NS	00-06	<div><div></div></div>
Jeep	Cherokee KJ	01-04	<div><div></div></div>
Toyota	Landcruiser Prado	03-06	<div><div></div></div>
Land Rover	Discovery	91-02	<div><div></div></div>
Nissan	Pathfinder/Terrano/Regulus	95-05	<div><div></div></div>
Mitsubishi	Pajero	92-99	<div><div></div></div>
Toyota	Landcruiser Prado	96-03	<div><div></div></div>
Jeep	Cherokee XJ	96-00	<div><div></div></div>
Mitsubishi	Challenger	98-06	<div><div></div></div>
Holden/Isuzu	Jackaroo/Bighorn	92-97	<div><div></div></div>
Holden/Isuzu	Jackaroo/Bighorn	82-91	<div><div></div></div>
Holden/Isuzu	Jackaroo/Bighorn	98-02	<div><div></div></div>
Nissan	Pathfinder/Terrano	88-94	<div><div></div></div>
Ford	Territory SX/SY	04-06	<div><div></div></div>
Land Rover	Defender	92-06	<div><div></div></div>
Daewoo/ Ssangong	Musso	98-02	<div><div></div></div>
Holden	Frontera/Mu	95-03	<div><div></div></div>
Hyundai	Santa Fe	00-06	<div><div></div></div>
Jeep	Wrangler	96-04	<div><div></div></div>
Toyota	Kluger	03-06	<div><div></div></div>
Mitsubishi	Pajero	82-90	<div><div></div></div>