

Buyers Guide to Used Car Safety Ratings 2009

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

SMALL CARS			
Make	Model	Year	Crash Safety Rating
Chrysler	Neon	96-99	★ ★ ★ ★ ★
Ford	Focus LS/LT	05-07	★ ★ ★ ★ ★
Mazda	MX5/Eunos Roadster	98-05	★ ★ ★ ★ ★
Peugeot	307	01-07	★ ★ ★ ★ ★
Volkswagen	Golf/Jetta	04-07	★ ★ ★ ★ ★
Alfa Romeo	33	83-92	★ ★ ★ ★
Daewoo	Nubira	97-03	★ ★ ★ ★
Ford	Focus LR	02-05	★ ★ ★ ★
Holden	Astra TR	96-98	★ ★ ★ ★
Holden	Astra TS	98-06	★ ★ ★ ★
Holden	Astra AH	04-07	★ ★ ★ ★
Hyundai	Elantra	00-07	★ ★ ★ ★
Ford/Mazda	Laser/323	99-03	★ ★ ★ ★
Mazda	3/Axela	03-07	★ ★ ★ ★
Honda	Civic	96-00	★ ★ ★ ★
Honda	Civic	01-05	★ ★ ★ ★
Honda	Integra	93-01	★ ★ ★ ★
Peugeot	306	94-01	★ ★ ★ ★
Subaru	Impreza	01-07	★ ★ ★ ★
Suzuki	Baleno/Cultus Crescent	95-02	★ ★ ★ ★
Toyota	Corolla/Allex	98-01	★ ★ ★ ★
Toyota	Corolla	02-07	★ ★ ★ ★
Volvo	S40/V40	97-04	★ ★ ★ ★
Volkswagen	Golf	95-98	★ ★ ★ ★
Volkswagen	Golf/Bora	99-04	★ ★ ★ ★
Daihatsu	Applause	89-99	★ ★ ★
Daewoo	Cielo	95-97	★ ★ ★
Daewoo	Lanos	97-03	★ ★ ★
Ford	Laser	91-94	★ ★ ★
Ford	Laser	95-97	★ ★ ★
Ford	Capri	89-94	★ ★ ★
Hyundai	S Coupe	90-96	★ ★ ★
Hyundai	Lantra	91-95	★ ★ ★
Hyundai	Lantra	96-00	★ ★ ★
Hyundai	Coupe	96-00	★ ★ ★
Hyundai	Accent	00-06	★ ★ ★
Mitsubishi	Lancer/Mirage CC	93-95	★ ★ ★
Mitsubishi	Lancer/Mirage CE	96-03	★ ★ ★
Mitsubishi	Lancer CH/CJ	03-07	★ ★ ★
Kia	Rio	00-05	★ ★ ★
Mazda	323/Familia/Lantis	90-93	★ ★ ★
Mazda	323/Familia/Lantis	95-98	★ ★ ★
Nissan	Pulsar/Vector/Sentra	92-95	★ ★ ★
Nissan	Pulsar/Vector/Sentra	96-99	★ ★ ★
Nissan	Pulsar	00-05	★ ★ ★
Honda	Civic	92-95	★ ★ ★
Honda	Integra	90-92	★ ★ ★
Honda	Concerto	89-93	★ ★ ★
Proton	Wira	95-96	★ ★ ★
Toyota/Holden	Corolla/Nova	89-93	★ ★ ★
Toyota/Holden	Corolla/Nova	94-97	★ ★ ★
Toyota	Paseo/Cynos	91-99	★ ★ ★
Hyundai	Excel	90-94	★ ★
Hyundai	Excel/Accent	95-00	★ ★
Mitsubishi	Lancer/Mirage CB	91-92	★ ★
Nissan	NX/NX-R	91-96	★ ★
Subaru	Impreza	93-00	★ ★

MEDIUM CARS			
Audi	A4	01-07	★ ★ ★ ★ ★
Ford	Cougar	99-03	★ ★ ★ ★ ★
Mazda	6	02-07	★ ★ ★ ★ ★
Mercedes Benz	C-Class W203	00-07	★ ★ ★ ★ ★
Honda	Accord Euro	03-07	★ ★ ★ ★ ★
Peugeot	406	96-04	★ ★ ★ ★ ★
Saab	900/9-3	94-02	★ ★ ★ ★ ★
Saab	9000	86-97	★ ★ ★ ★ ★
Subaru	Liberty/Legacy/Outback	03-07	★ ★ ★ ★ ★
Volkswagen	Passat	98-06	★ ★ ★ ★ ★
Audi	A4	95-01	★ ★ ★ ★
BMW	3 Series E46	99-06	★ ★ ★ ★
BMW	5 Series E34	89-95	★ ★ ★ ★
BMW	5 Series E39	96-03	★ ★ ★ ★
Ford	Mondeo	95-01	★ ★ ★ ★
Holden	Calibra	94-97	★ ★ ★ ★
Holden	Vectra	97-03	★ ★ ★ ★
Mazda	626	98-02	★ ★ ★ ★
Mercedes Benz	C-Class W201	87-93	★ ★ ★ ★
Mercedes Benz	C-Class W202	95-00	★ ★ ★ ★
Nissan	Bluebird	93-97	★ ★ ★ ★
Nissan	200SX/Silvia	94-02	★ ★ ★ ★
Honda	Accord	91-93	★ ★ ★ ★
Honda	Accord	99-02	★ ★ ★ ★
Honda	Prelude	97-02	★ ★ ★ ★
Peugeot	405	89-97	★ ★ ★ ★
Peugeot	505	82-93	★ ★ ★ ★
Saab	900 Series	82-92	★ ★ ★ ★
Subaru	Liberty/Legacy/Outback	99-03	★ ★ ★ ★
BMW	3 Series E36	92-98	★ ★ ★
Daewoo	Espero	95-97	★ ★ ★
Daewoo	Leganza	97-02	★ ★ ★
Hyundai	Sonata	98-01	★ ★ ★
Mitsubishi	Galant	95-96	★ ★ ★
Ford/Mazda	Telstar/626/MX6/Capella/Cronos	92-97	★ ★ ★
Honda	Accord	94-98	★ ★ ★
Honda	Prelude	92-96	★ ★ ★
Subaru	1800/Leone/Omega/4WD Wagon	82-93	★ ★ ★
Subaru	Liberty/Legacy	89-93	★ ★ ★
Subaru	Liberty/Legacy/Outback	94-98	★ ★ ★
Holden/Toyota	Apollo JK/JL/Camry/Vista	88-92	★ ★ ★
Holden/Toyota	Apollo JM/JP/Camry/Sceptor	93-97	★ ★ ★
Toyota	Celica	90-93	★ ★ ★
Toyota	Celica	94-99	★ ★ ★
Volvo	200 Series	82-93	★ ★ ★
Nissan/Ford	Pintara/Corsair/Bluebird	89-92	★ ★

LARGE CARS			
Ford	Fairlane N & LTD D	88-94	★ ★ ★ ★
Ford	Fairlane & LTD AU	99-02	★ ★ ★ ★
Ford	Falcon BA/BF	02-07	★ ★ ★ ★
Holden	Statesman/Caprice WH	99-03	★ ★ ★ ★
Holden	Commodore VY/NZ	02-07	★ ★ ★ ★
Holden	Commodore VE	06-07	★ ★ ★ ★
Mitsubishi	Magna TL/TW/Verada KL/KW	03-05	★ ★ ★ ★
Jaguar	XJ6	87-94	★ ★ ★ ★
Mercedes Benz	E-Class W124	86-94	★ ★ ★ ★
Mercedes Benz	E-Class W210	96-02	★ ★ ★ ★
Mercedes Benz	S-Class W126	82-92	★ ★ ★ ★
Nissan	Maxima/Cefiro	95-99	★ ★ ★ ★
Nissan	Maxima	00-02	★ ★ ★ ★
Honda	Legend	86-95	★ ★ ★ ★
Toyota	Cressida/Mark II	89-93	★ ★ ★ ★
Lexus	ES300/Window	92-01	★ ★ ★ ★
Toyota	Avalon	00-05	★ ★ ★ ★
Toyota	Camry	02-06	★ ★ ★ ★
Volvo	700/900 Series	84-92	★ ★ ★ ★
Ford	Falcon EA/Falcon EB Series I	88-92	★ ★ ★
Ford	Falcon EB Series II/Falcon ED	92-94	★ ★ ★
Ford	Fairlane N & LTD D	95-98	★ ★ ★
Ford	Falcon EF/EL	94-98	★ ★ ★
Ford	Falcon AU	98-02	★ ★ ★
Holden/Toyota	Commodore VN/VP/Lexcen	89-93	★ ★ ★
Holden	Statesman/Caprice VQ	90-93	★ ★ ★
Holden	Statesman/Caprice VR/VS	94-98	★ ★ ★
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	★ ★ ★
Nissan	Maxima	90-94	★ ★ ★
Toyota	Camry	98-02	★ ★ ★
Volvo	850/S70/V70/C70	92-05	★ ★ ★

LIGHT CARS			
Volkswagen	Polo	96-00	★ ★ ★ ★ ★
Daihatsu	Sirion/Storia	98-04	★ ★ ★ ★
Holden	Barina XC	01-06	★ ★ ★ ★
Mazda	121 Metro/Demio	97-02	★ ★ ★ ★
Mazda	2	02-07	★ ★ ★ ★
Honda	Jazz/Fit	02-07	★ ★ ★ ★
Peugeot	206	99-07	★ ★ ★ ★
Suzuki	Swift	05-07	★ ★ ★ ★
Toyota	Yaris	05-07	★ ★ ★ ★
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	88-92	★ ★
Daihatsu	Charade	93-00	★ ★
Ford	Festiva WD/WH/WF	94-01	★ ★
Hyundai	Getz	02-07	★ ★
Nissan	Micra	95-97	★ ★
Holden/Suzuki	Barina/Swift/Cultus	89-99	★ ★
Daihatsu	Mira	90-96	★
Subaru	Sherpa/Fiori/700/Rex	89-92	★
Suzuki	Alto	85-00	★

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

PEOPLE MOVERS			
Make	Model	Year	Crash Safety Rating
Mitsubishi	Nimbus	99-03	★ ★ ★ ★ ★
Nissan	Serena	92-95	★ ★ ★ ★ ★
Kia	Carnival	99-06	★ ★ ★ ★
Honda	Odyssey	95-00	★ ★ ★ ★
Toyota	Tarago/Previa/Estima	91-99	★ ★ ★ ★
Toyota	Tarago/Previa/Estima	00-06	★ ★ ★ ★
Mitsubishi	Nimbus/Chariot	92-98	★ ★ ★
Mitsubishi	Starwagon/Delica Spacegear	95-98	★ ★ ★
Mitsubishi	Starwagon/Delica Spacegear	98-03	★ ★ ★
Mitsubishi	Starwagon/Delica Starwagon	87-93	★ ★

COMMERCIAL VEHICLES - VANS			
Ford	Transit	01-07	★ ★ ★ ★ ★
Ford	Falcon Panel Van	96-99	★ ★ ★ ★
Ford	Transit	95-00	★ ★ ★ ★
Volkswagen	Caravelle/Transporter	95-04	★ ★ ★ ★
Ford	Falcon Panel Van	82-95	★ ★ ★
Toyota	Hiace/Liteace	96-04	★ ★ ★
Toyota	Hiace/Liteace	90-95	★ ★
Holden/Suzuki	Scurry/Carry	82-00	★

COMMERCIAL VEHICLES - UTES			
Ford	Falcon Ute BA/BF	03-07	★ ★ ★ ★
Holden	Rodeo	03-07	★ ★ ★ ★
Mitsubishi	Triton MK	96-06	★ ★ ★ ★
Nissan	Navara	97-05	★ ★ ★ ★
Toyota	Hilux	03-04	★ ★ ★ ★
Toyota	Hilux	05-07	★ ★ ★ ★
Ford/Nissan	Falcon Ute/XFN Ute	82-95	★ ★ ★
Ford	Falcon Ute	96-99	★ ★ ★
Ford	Falcon Ute AU	00-02	★ ★ ★
Ford	Ford F-Series	82-92	★ ★ ★
Holden	Commodore Ute VG/VP	90-93	★ ★ ★
Holden	Rodeo	96-98	★ ★ ★
Holden	Rodeo	99-02	★ ★ ★
Holden	Commodore Ute VR/VS	94-00	★ ★ ★
Holden	Commodore Ute VU	00-02	★ ★ ★
Holden	Commodore Ute VY/VZ	02-07	★ ★ ★
Ford/Mazda	Courier/B-Series/Bounty	98-02	★ ★ ★
Ford/Mazda	Courier/Bravo/Bounty	03-06	★ ★ ★
Nissan	Navara	92-96	★ ★ ★
Toyota	Hilux	98-02	★ ★ ★
Holden/Isuzu	Rodeo/Pickup	89-95	★ ★
Kia	Ceres	92-00	★ ★
Subaru	Brumby	82-92	★ ★
Toyota	4Runner/Hilux	89-97	★ ★

COMPACT 4-WHEEL DRIVE VEHICLES			
Honda	CR-V	02-07	★ ★ ★ ★ ★
Subaru	Forester	97-02	★ ★ ★ ★ ★
Kia	Sportage	98-03	★ ★ ★ ★
Ford/Mazda	Escape/Tribute	01-06	★ ★ ★ ★
Nissan	X-Trail	01-07	★ ★ ★ ★
Honda	CR-V	97-01	★ ★ ★ ★
Subaru	Forester	02-07	★ ★ ★ ★
Suzuki	Grand Vitara	99-05	★ ★ ★ ★
Toyota	RAV4	01-06	★ ★ ★ ★
Daihatsu	Feroza/Rocky	89-97	★ ★ ★
Daihatsu	Terios	97-05	★ ★ ★
Toyota	RAV4	94-00	★ ★ ★
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	00-07	★ ★ ★ ★ ★
Ford	Territory SX/SY	04-07	★ ★ ★ ★
Mitsubishi	Challenger	98-06	★ ★ ★ ★
Nissan	Pathfinder/Terrano/Regulus	95-05	★ ★ ★ ★
Toyota	Kluger	03-07	★ ★ ★ ★
Toyota	Landcruiser Prado	96-03	★ ★ ★ ★
Toyota	Landcruiser Prado	03-07	★ ★ ★ ★
Holden/Isuzu	Jackaroo/Bighorn	92-97	★ ★ ★
Holden/Isuzu	Jackaroo/Bighorn	98-02	★ ★ ★
Mitsubishi	Pajero	92-99	★ ★ ★
Jeep	Cherokee XJ	96-00	★ ★ ★
Nissan	Pathfinder/Terrano	88-94	★ ★ ★

LARGE 4-WHEEL DRIVE VEHICLES			
Ford	Explorer	01-05	★ ★ ★ ★ ★
Jeep	Grand Cherokee ZG	96-99	★ ★ ★ ★ ★
Mercedes Benz	M-Class W163	98-05	★ ★ ★ ★ ★
Land Rover	Discovery	91-02	★ ★ ★ ★
Nissan/Ford	Patrol/Maverick/Safari	88-97	★ ★ ★
Nissan	Patrol/Safari	98-07	★ ★ ★
Land Rover	Range Rover	82-94	★ ★ ★
Toyota	Landcruiser	98-07	★ ★ ★
Toyota	Landcruiser	90-97	★ ★

NOTES	

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 occupants.

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

This brochure gives ratings for 239 vehicle models which cover most of the popular vehicles in the Australian and New Zealand vehicle fleets manufactured from 1992 to 2007.

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 239 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 are 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 1987 and 2007 were analysed by Monash University's Accident Research Centre. The ratings were calculated using an internationally reviewed method¹ and are influenced by the vehicles 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 own occupants 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 239 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/muarc

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. Research shows that elements of 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 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 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 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 avoid having a crash:

- ESC
- 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.nzta.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 1300 655 443

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

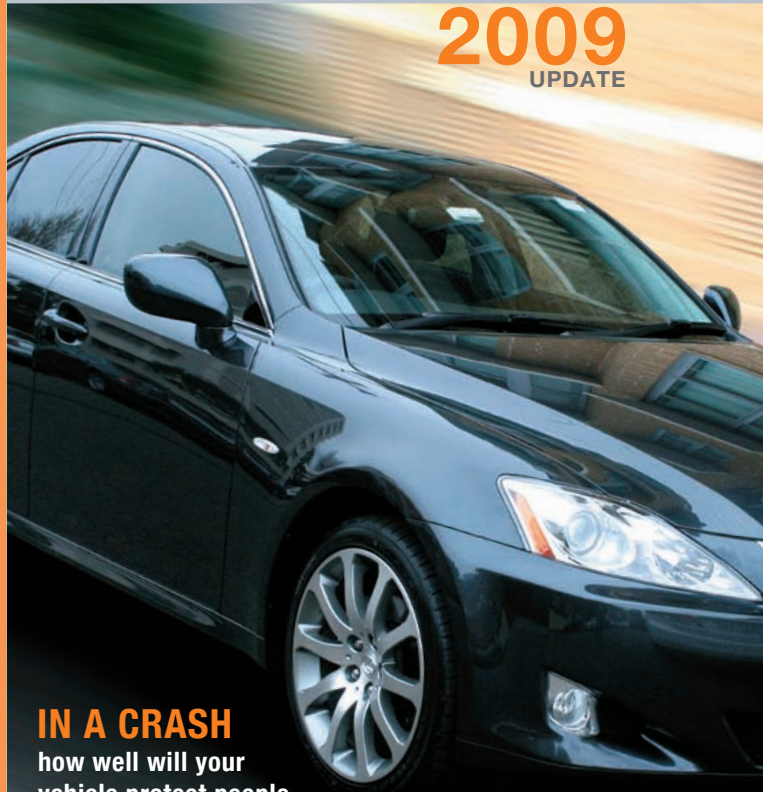


Used Car Safety Ratings

BUYER'S GUIDE

Passenger vehicles built 1992–2007

2009 UPDATE



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