

# The danger of blind zones

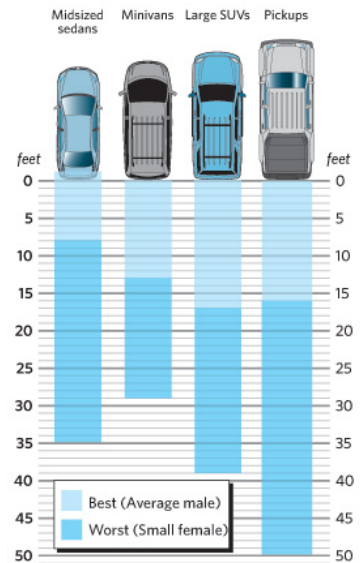
## The area behind your vehicle can be a killing zone

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Every year, children are injured and killed because drivers (in 70% of cases, parents and relatives) don't see them while backing up. According to Kids and Cars, a nonprofit group that works to improve child safety around cars, at least 50 children are backed over every week in the U.S. Forty-eight are treated in hospital emergency rooms and at least 2 children die.

A contributing factor is that larger vehicles (SUVs, pickups, and minivans), which have become increasingly popular, have larger blind zones than passenger cars. A blind zone is the area behind a vehicle that a person can't see from the driver's seat.

To help consumers understand how large some blind zones are, Consumer Reports has measured the blind zones of a number of popular models. The results for both an average-height driver (5 feet 8 inches) and a shorter driver (5 feet 1 inch) are listed in the accompanying charts. To measure the blind zones, a 28-inch traffic cone was positioned behind the vehicle at the point where the driver could just see its top. As the illustration shows, longer and taller vehicles tend to have significantly larger blind zones. (The shading shows the length of each blind zone; lighter for an average-height driver, darker for a shorter driver.)



### Bottom Line

Your best defense against backover accidents is to get out of your vehicle and check behind it just before you back up. If kids are nearby, make sure you can see them while backing up.

### Best and worst rear blind zones

This chart shows the length of the blind zone of each listed vehicle. The distance noted is how far behind the vehicle a 28-inch traffic cone had to be before the person, sitting in the driver's seat, could see its top by looking through the rear window.

### Best and Worst Rules

Distances are provided for vehicles that are currently sold with no major changes from tested vehicle. "Best" does not include vehicles with cameras. "Worst" can include vehicles with cameras if the camera is optional. Plus, watch a video on how we test blind zones.

## Best and worst rear blind zones

|                               | 5'8" driver  | 5'1" driver                                      |
|-------------------------------|--|--|
| <b>Small Four-Door Sedans</b> |  |  |
| Best                          | 2011 Chevrolet Cruze (9 feet)  | 2007 Nissan Sentra (18 feet)                     |
| Worst                         | 2011 Ford Fiesta SE sedan (19 feet)  | 2008 Mitsubishi Lancer EVO (37 feet)             |
| Average small sedan           | 12 feet  | 24 feet  |
| <b>Midsized Sedans</b>        |  |  |
| Best                          | 2008 Mercedes-Benz C300, 2009 Audi A4 2.0T, 2010 Mercedes-Benz E350 (8 feet) | 2008 Mercedes-Benz C300 (16 feet)                |
| Worst                         | 2010 Ford Fusion SEL V6 (25 feet)  | 2010 Ford Fusion SEL V6 (40 feet without camera) |
| Average mid-sized sedan       | 13 feet  | 22 feet  |
| <b>Large Sedans</b>           |  |  |
| Best                          | 2009 Hyundai Genesis (11 feet)   | 2009 Hyundai Genesis (20 feet)                   |
| Worst                         | 2010 Ford Taurus Limited (23 feet)   | 2010 Ford Taurus Limited (37 feet)               |

|                                    |  |  |
|------------------------------------|--|--|
| Average large sedan                | 13 feet  | 23 feet  |
| <b>Wagons &amp; Hatchbacks</b>     | 5'8" driver  | 5'1" driver  |
| Best                               | 2011 Mazda2, 2010 MazdaSpeed3, 2008 Smart fortwo (4 feet)                                  | 2008 Smart ForTwo (7 feet)   |
| Worst                              | 2009 Toyota Matrix (13 feet)   | 2007 Scion xB, 2008 Scion xD (21 feet)   |
| Average wagon and hatchback (feet) | 9 feet   | 15 feet  |
| <b>Small SUVs</b>                  | 5'8" driver  | 5'1" driver  |
| Best                               | 2010 Chevrolet Equinox LT (7 feet)   | 2009 Subaru Forester 2.5X, 2008 Infiniti EX35, 2011 Mitsubishi Outlander Sport (16 feet) |
| Worst                              | 2007 Hyundai Santa Fe (19 feet)  | 2007 Hyundai Santa Fe (30 feet)  |
| Average Small SUV (feet)           | 13 feet  | 22 feet  |
| <b>Midsized SUVs</b>               | 5'8" driver  | 5'1" driver  |
| Best                               | 2008 Land Rover Range Rover Sport, 2011 Volkswagen Touareg (11 feet)                       | 2011 Volkswagen Touareg (16 feet)  |
| Worst                              | 2009 Chevrolet Traverse, 2009 Ford Flex, 2011 Ford Explorer, 2010 Land Rover LR4 (23 feet) | 2011 Ford Explorer, 2010 Land Rover LR4 (38 feet)  |
| Average Mid-sized SUV              | 18 feet  | 28 feet  |
| <b>Large SUVs</b>                  | 5'8" driver  | 5'1" driver  |
| Best                               | 2008 Toyota Sequoia, 2007 Chevrolet Tahoe (16 feet)  | 2008 Toyota Sequoia (22 feet)  |
| Worst                              | 2011 Dodge Durango (26 feet)   | 2007 Ford Expedition EL (39 feet)  |
| Average large SUV (feet)           | 19 feet  | 31 feet  |
| <b>Minivans</b>                    | 5'8" driver  | 5'1" driver  |
| Best Minivan                       | 2008 Chrysler Town and Country, 2010 Toyota Sienna (13 feet)                               | 2008 Chrysler Town and Country, 2010 Toyota Sienna (22 feet)                             |
| Worst Minivan                      | 2011 Nissan Quest (17 feet)  | 2011 Nissan Quest SL (26 feet)   |
| Average Minivan (feet)             | 15 feet  | 26 feet  |
| <b>Pickups</b>                     | 5'8" driver  | 5'1" driver  |
| Best Truck                         | 2005 Nissan Frontier LE (16 feet)  | 2005 Toyota Tacoma (24 feet)   |
| Worst Truck                        | 2007 Chevrolet Silverado 2500 LTZ, 2007 Chevrolet Avalanche, 2009 Ford F-150 (31 feet)     | 2007 Chevrolet Avalanche (50 feet)   |
| Average Truck (feet)               | 24 feet  | 35 feet  |
| <b>2-Door Coupes/Sports Cars</b>   | 5'8" driver  | 5'1" driver  |
| Best two-door coupe                | 2010 Chevrolet Camaro, 2009 Nissan 370Z (9 feet)   | 2008 BMW 135i, 2006 Chevrolet Corvette (15 feet)   |
| Worst two-door coupe               | 2010 Hyundai Genesis Coupe (16 feet)   | 2010 Hyundai Genesis Coupe (25 feet)   |
| Average two-door coupe             | 13 feet  | 21 feet  |

## Blind-zone measurements: Small sedans

This chart shows the length of the blind zone of each listed vehicle. The distance noted is how far behind the vehicle a 28-inch traffic cone had to be before the person, sitting in the driver's seat, could see its top by looking through the rear window.

| Make/Model                 | Year | Driver 5' 8" | Driver 5' 1" |
|----------------------------|------|--------------|--------------|
| Chevrolet Cavalier LS      | 2003 | 9            | 17           |
| Chevrolet Cobalt LS        | 2005 | 10           | 24           |
| Chevrolet Cobalt LT        | 2008 | 17           | 39           |
| Chevrolet Cruze LS         | 2011 | 9            | 20           |
| Dodge Neon SXT             | 2003 | 17           | 43           |
| Ford Fiesta SE (sedan)     | 2011 | 19           | 33           |
| Ford Focus SES             | 2008 | 17           | 27           |
| Ford Focus ZX4 SES         | 2005 | 12           | 24           |
| Ford Focus ZX4 ST          | 2005 | 14           | 30           |
| Honda Civic EX             | 2005 | 8            | 18           |
| Honda Civic EX             | 2006 | 12           | 20           |
| Honda Civic Hybrid         | 2003 | 12           | 28           |
| Honda Civic Hybrid         | 2006 | 12           | 21           |
| Hyundai Elantra GLS        | 2007 | 10           | 17           |
| Hyundai Elantra GLS        | 2011 | 13           | 25           |
| Hyundai Elantra GT         | 2005 | 8            | 19           |
| Kia Forte                  | 2010 | 11           | 24           |
| Kia Spectra EX             | 2004 | 13           | 20           |
| Mazda 3i Touring           | 2010 | 11           | 22           |
| Mazda3i                    | 2004 | 12           | 22           |
| Mitsubishi Lancer ES       | 2007 | 10           | 19           |
| Mitsubishi Lancer EVO      | 2003 | 14           | 31           |
| Mitsubishi Lancer EVO      | 2008 | 17           | 37           |
| Mitsubishi Lancer Ralliart | 2010 | 11           | 25           |
| Nissan Sentra              | 2007 | 12           | 18           |
| Nissan Versa               | 2009 | 12           | 24           |
| Saturn Ion 3               | 2005 | 12           | 21           |
| Subaru Impreza 2.5 i       | 2006 | 6            | 11           |
| Subaru Impreza 2.5 i       | 2008 | 11           | 29           |
| Subaru WRX                 | 2008 | 11           | 24           |
| Subaru WRX STi             | 2004 | 14           | 21           |
| Suzuki Aerio GS            | 2003 | 23           | 49           |

|                      |      |    |    |
|----------------------|------|----|----|
| Suzuki Forenza S     | 2004 | 13 | 16 |
| Suzuku SX4           | 2010 | 12 | 26 |
| Toyota Corolla LE    | 2009 | 12 | 21 |
| Toyota Yaris         | 2010 | 7  | 16 |
| Volkswagen Jetta 2.5 | 2006 | 11 | 22 |
| Volkswagen Jetta TDI | 2006 | 11 | 22 |
| Volkswagen Jetta SE  | 2011 | 14 | 32 |

## Blind-zone measurements: Midsized sedans

This chart shows the length of the blind zone of each listed vehicle. The distance noted is how far behind the vehicle a 28-inch traffic cone had to be before the person, sitting in the driver's seat, could see its top by looking through the rear window.

| Make/Model                     | Year | Driver 5' 8"                  | Driver 5' 1"                  |
|--------------------------------|------|-------------------------------|-------------------------------|
| Acura RL                       | 2005 | 10                            | 23                            |
| Acura RL                       | 2009 | 16 (no camera), 0 with camera | 25 (no camera), 0 with camera |
| Acura TL                       | 2004 | 16                            | 22                            |
| Acura TL                       | 2009 | 13                            | 25                            |
| Acura TSX                      | 2004 | 14                            | 12                            |
| Audi A4 1.8T                   | 2004 | 11                            | 19                            |
| Audi A4 2.0T                   | 2006 | 11                            | 21                            |
| Audi A4 2.0T                   | 2009 | 8                             | 18                            |
| Audi A6 3.0T                   | 2010 | 10                            | 16                            |
| Audi A6 3.2 Quattro            | 2005 | 10                            | 19                            |
| BMW 325i                       | 2006 | 12                            | 24                            |
| BMW 530i                       | 2004 | 15                            | 21                            |
| BMW 535i                       | 2011 | 10 (no camera), 0 with camera | 21 (no camera), 0 with camera |
| Buick LaCrosse CXL             | 2005 | 15                            | 21                            |
| Cadillac CTS                   | 2003 | 11                            | 25                            |
| Cadillac CTS 2.8               | 2006 | 11                            | 25                            |
| Cadillac CTS 3.6               | 2008 | 14                            | 28                            |
| Cadillac STS                   | 2005 | 21                            | 27                            |
| Chevrolet Impala 3LT           | 2006 | 12                            | 28                            |
| Chevrolet Impala LS            | 2004 | 14                            | 26                            |
| Chevrolet Malibu Base (4 cyl.) | 2004 | 12                            | 17                            |
| Chevrolet Malibu LS (6 cyl.)   | 2004 | 12                            | 17                            |
| Chevrolet Malibu LT (4 cyl)    | 2008 | 13                            | 23                            |

|                              |      |                               |                               |
|------------------------------|------|-------------------------------|-------------------------------|
| Chevrolet Malibu LTZ (6 cyl) | 2008 | 14                            | 23                            |
| Chrysler 200                 | 2011 | 13                            | 26                            |
| Chrysler Sebring Touring     | 2007 | 10                            | 16                            |
| Dodge Avenger                | 2008 | 10                            | 19                            |
| Dodge Avenger Mainstreet     | 2011 | 11                            | 22                            |
| Dodge Stratus SXT            | 2004 | 18                            | 22                            |
| Ford Fusion SEL              | 2006 | 15                            | 26                            |
| Ford Fusion SEL V6           | 2010 | 25 (no camera), 0 with camera | 40 (no camera), 0 with camera |
| Ford Taurus SES              | 2004 | 21                            | 23                            |
| Honda Accord EX (4 cylinder) | 2003 | 13                            | 17                            |
| Honda Accord EX (6 cylinder) | 2003 | 13                            | 23                            |
| Honda Accord EX (6 cylinder) | 2006 | 11                            | 19                            |
| Honda Accord EX-L V6         | 2008 | 10                            | 24                            |
| Honda Accord Hybrid          | 2005 | 14                            | 21                            |
| Honda Accord LX-P 4 cylinder | 2008 | 11                            | 20                            |
| Hyundai Sonata (4cyl)        | 2009 | 11                            | 21                            |
| Hyundai Sonata GLS (6 cyl)   | 2006 | 9                             | 22                            |
| Hyundai Sonata Limited 2.0T  | 2011 | 13                            | 21                            |
| Infiniti G35                 | 2003 | 11                            | 20                            |
| Infiniti G35                 | 2007 | 13                            | 21                            |
| Infiniti M35 X AWD           | 2006 | 0 with camera                 | 0 with camera                 |
| Infiniti M37                 | 2011 | 14 (no camera), 0 with camera | 24 (no camera), 0 with camera |
| Jaguar S-Type                | 2004 | 10                            | 21                            |
| Jaguar XF Luxury             | 2009 | 14                            | 29                            |
| Kia Optima EX                | 2004 | 9                             | 13                            |
| Kia Optima EX                | 2006 | 11                            | 18                            |
| Kia Optima EX V6             | 2009 | 9                             | 18                            |
| Kia Optima LX four-cylinder  | 2009 | 10                            | 17                            |
| Kia Optima EX                | 2011 | 15                            | 29                            |
| Kia Optima SX 2.0T           | 2011 | 16                            | 35                            |
| Lexus ES330                  | 2004 | 12                            | 19                            |
| Lexus ES350                  | 2007 | 17 (no camera), 0 with camera | 28 (no camera), 0 with camera |
| Lexus GS300                  | 2006 | 0 with camera                 | 0 with camera                 |
| Lexus GS450h                 | 2007 | 10 (no camera), 0 with camera | 17 (no camera), 0 with camera |
| Lexus HS250h                 | 2010 | 12                            | 17                            |
| Lexus IS250                  | 2006 | 13                            | 21                            |

|                              |      |                               |                               |
|------------------------------|------|-------------------------------|-------------------------------|
| Lincoln LS Premium           | 2003 | 15                            | 26                            |
| Lincoln MKZ                  | 2010 | 17                            | 31                            |
| Lincoln Zephyr               | 2006 | 18                            | 33                            |
| Mazda6                       | 2009 | 13                            | 25                            |
| Mazda6 i (4 cylinder)        | 2003 | 12                            | 22                            |
| Mazda6 s (6 cylinder)        | 2003 | 12                            | 19                            |
| Mercedes-Benz C230           | 2006 | 10                            | 15                            |
| Mercedes-Benz C300           | 2008 | 8                             | 16                            |
| Mercedes-Benz CLS500         | 2006 | 11                            | 20                            |
| Mercedes-Benz E320           | 2004 | 12                            | 18                            |
| Mercedes-Benz E350           | 2010 | 8 (no camera), 0 with camera  | 17 (no camera), 0 with camera |
| Mercury Milan                | 2006 | 17                            | 35                            |
| Mitsubishi Galant ES         | 2004 | 19                            | 25                            |
| Mitsubishi Galant GTS        | 2005 | 21                            | 29                            |
| Nissan Altima 2.5S           | 2005 | 11                            | 21                            |
| Nissan Altima 2.5S           | 2007 | 10                            | 18                            |
| Nissan Altima 3.5 SE         | 2007 | 13 (no camera), 0 with camera | 22 (no camera), 0 with camera |
| Nissan Maxima 3.5 SE         | 2004 | 12                            | 27                            |
| Nissan Maxima 3.5 SL         | 2007 | 11                            | 15                            |
| Nissan Maxima 3.5SV          | 2009 | 13                            | 22                            |
| Nissan Sentra SE-R           | 2008 | 18                            | 28                            |
| Pontiac G6                   | 2005 | 18                            | 27                            |
| Pontiac G8 GT                | 2009 | 15                            | 24                            |
| Pontiac Grand Prix GT2       | 2004 | 13                            | 20                            |
| Saab 9-3 2.0T                | 2006 | 12                            | 22                            |
| Saab 9-3 Aero                | 2003 | 16                            | 29                            |
| Saab 9-5 2.3T                | 2007 | 12                            | 24                            |
| Saab 9-5 Arc                 | 2004 | 13                            | 19                            |
| Saturn Aura XR               | 2007 | 15                            | 30                            |
| Saturn L300                  | 2003 | 13                            | 27                            |
| Subaru Legacy 2.5 GT Limited | 2005 | 11                            | 18                            |
| Subaru Legacy 2.5i Premium   | 2010 | 12                            | 23                            |
| Subaru Legacy 2.5i SE        | 2008 | 10                            | 21                            |
| Subaru Legacy 3.6R Limited   | 2010 | 12                            | 23                            |
| Subaru Legacy L              | 2003 | 13                            | 25                            |
| Suzuku Kizashi               | 2010 | 14                            | 26                            |

|                           |      |    |    |
|---------------------------|------|----|----|
| Suzuki Verona LX          | 2004 | 15 | 22 |
| Toyota Camry              | 2005 | 13 | 24 |
| Toyota Camry Hybrid       | 2007 | 11 | 20 |
| Toyota Camry LE           | 2010 | 16 | 23 |
| Volkswagen Passat 2.0T    | 2006 | 13 | 22 |
| Volkswagen Passat 3.6L    | 2006 | 12 | 22 |
| Volkswagen Passat CC      | 2009 | 13 | 25 |
| Volkswagen Passat GLS TDI | 2004 | 10 | 15 |
| Volkswagen Passat GLX     | 2003 | 9  | 23 |
| Volvo S40                 | 2004 | 11 | 18 |
| Volvo S60 2.5T            | 2004 | 13 | 19 |
| Volvo S60 T5              | 2012 | 13 | 26 |
| Volvo S80 T6              | 2004 | 15 | 19 |

## Blind-zone measurements: Large sedans

This chart shows the length of the blind zone of each listed vehicle. The distance noted is how far behind the vehicle a 28-inch traffic cone had to be before the person, sitting in the driver's seat, could see its top by looking through the rear window.

| Make/Model                             | Year | Driver 5' 8"                  | Driver 5' 1"                  |
|--|------|-------------------------------|-------------------------------|
| Audi A8 L                              | 2004 | 20                            | 27                            |
| BMW 745Li                              | 2003 | 14                            | 25                            |
| Buick LaCrosse CXS (4-cyl)             | 2010 | 16                            | 27                            |
| Buick LaCrosse CXS                     | 2010 | 19 (no camera), 0 with camera | 32 (no camera), 0 with camera |
| Buick Lucerne                          | 2006 | 16                            | 24                            |
| Buick Park Avenue Ultra                | 2003 | 9                             | 20                            |
| Cadillac DTS                           | 2006 | 12                            | 30                            |
| Chrysler 300 Touring                   | 2005 | 16                            | 23                            |
| Chrysler 300C                          | 2005 | 16                            | 23                            |
| Dodge Charger SXT (6 cyl)              | 2006 | 11                            | 22                            |
| Ford Five Hundred SEL AWD, FWD         | 2005 | 10                            | 16                            |
| Ford Taurus Limited                    | 2008 | 11                            | 20                            |
| Ford Taurus Limited                    | 2010 | 23                            | 37                            |
| Hyundai Azera Limited                  | 2006 | 11                            | 21                            |
| Hyundai Genesis                        | 2009 | 11 (no camera), 0 with camera | 20 (no camera), 0 with camera |
| Hyundai XG350 L                        | 2003 | 9                             | 24                            |
| Jaguar XJ8 Vanden Plas                 | 2004 | 11                            | 19                            |
| Kia Amanti                             | 2004 | 10                            | 21                            |
| Lexus LS430                            | 2003 | 9                             | 16                            |
| Lexus LS460                            | 2007 | 15 (no camera), 0 with camera | 25 (no camera), 0 with camera |
| Lincoln MKS                            | 2010 | 20 (no camera), 0 with camera | 34 (no camera), 0 with camera |
| Lincoln Town Car (standard wheel base) | 2003 | 12                            | 21                            |
| Mercedes-Benz S430                     | 2003 | 11                            | 22                            |
| Mercedes-Benz S550                     | 2007 | 12                            | 21                            |
| Mercury Grand Marquis LSE              | 2003 | 11                            | 23                            |
| Toyota Avalon XLS                      | 2005 | 15                            | 25                            |



## Blind-zone measurements: Wagons & hatchbacks

This chart shows the length of the blind zone of each listed vehicle. The distance noted is how far behind the vehicle a 28-inch traffic cone had to be before the person, sitting in the driver's seat, could see its top by looking through the rear window.

| Make/Model                  | Year | Driver 5' 8" | Driver 5' 1" |
|-----------------------------|------|--------------|--------------|
| Acura RSX                   | 2006 | 11           | 21           |
| BMW 325xit                  | 2006 | 8            | 13           |
| Chevrolet Aveo LS           | 2004 | 5            | 10           |
| Chevrolet HHR LT            | 2006 | 14           | 20           |
| Chevrolet Malibu LS Maxx    | 2005 | 17           | 23           |
| Chrysler PT Cruiser Limited | 2006 | 8            | 14           |
| Dodge Caliber R/T AWD       | 2007 | 15           | 20           |
| Dodge Caliber SRT           | 2008 | 14           | 24           |
| Dodge Magnum SXT            | 2005 | 13           | 22           |
| Ford Fiesta SES (hatchback) | 2011 | 7            | 15           |
| Ford Focus ZX3              | 2006 | 7            | 11           |
| Honda Accord Crosstour      | 2010 | 11           | 20           |
| Honda Fit                   | 2007 | 7            | 15           |
| Honda Fit                   | 2009 | 9            | 16           |
| Honda Insight               | 2010 | 7            | 12           |
| Hyundai Elantra Touring     | 2009 | 8            | 15           |
| Kia Rio5                    | 2006 | 8            | 15           |
| Kia Rondo LX                | 2007 | 11           | 17           |
| Kia Soul Plus               | 2010 | 8            | 19           |
| Mazda2                      | 2011 | 4            | 12           |
| Mazda3 Sport (hatchback)    | 2010 | 6            | 13           |
| Mazda3s Grand Touring       | 2006 | 6            | 10           |
| Mazda5                      | 2010 | 9            | 18           |
| Mazda6 wagon                | 2004 | 16           | 19           |
| Mazdaspeed3                 | 2007 | 6            | 10           |
| Mazdaspeed3                 | 2010 | 4            | 12           |
| Mercedes-Benz B200          | 2007 | 7            | 14           |
| Mini Cooper Clubman         | 2008 | 7            | 11           |
| Mini Cooper S               | 2007 | 5            | 13           |

|                               |      |                               |                               |
|-------------------------------|------|-------------------------------|-------------------------------|
| Mini Cooper Countryman        | 2011 | 12                            | 20                            |
| Nissan Leaf                   | 2011 | 10 (no camera), 0 with camera | 16 (no camera), 0 with camera |
| Pontiac Vibe                  | 2006 | 11                            | 21                            |
| Saturn Astra XE               | 2008 | 7                             | 17                            |
| Scion xA                      | 2004 | 7                             | 11                            |
| Scion xB                      | 2004 | 8                             | 11                            |
| Scion xB                      | 2007 | 12                            | 21                            |
| Scion xD                      | 2008 | 8                             | 21                            |
| Smart ForTwo                  | 2008 | 4                             | 7                             |
| Subaru Impreza Outback Sport  | 2008 | 6                             | 11                            |
| Subaru Outback 2.5i           | 2005 | 13                            | 18                            |
| Subaru Outback 3.0R VDC       | 2006 | 11                            | 16                            |
| Subaru WRX STi                | 2008 | 8                             | 15                            |
| Suzuki SX4 Crossover AWD      | 2010 | 8                             | 19                            |
| Suzuki SX4 Sport              | 2007 | 9                             | 17                            |
| Toyota Matrix                 | 2009 | 13                            | 18                            |
| Toyota Prius                  | 2008 | 6 (no camera), 0 with camera  | 10 (no camera), 0 with camera |
| Toyota Prius                  | 2010 | 6                             | 12                            |
| Toyota Yaris (3 door hatch)   | 2007 | 6                             | 10                            |
| Toyota Yaris (5 door hatch)   | 2009 | 6                             | 10                            |
| Volkswagen Golf               | 2010 | 7                             | 15                            |
| Volkswagen GTI (2 door)       | 2006 | 8                             | 18                            |
| Volkswagen GTI (4 door)       | 2010 | 8                             | 14                            |
| Volkswagen Jetta Sportswagen  | 2009 | 10                            | 15                            |
| Volkswagen Rabbit (four-door) | 2008 | 8                             | 14                            |
| Volvo C30                     | 2008 | 4                             | 8                             |
| Volvo V50 T5                  | 2005 | 8                             | 13                            |
| Volvo XC70                    | 2008 | 10                            | 14                            |

## Blind-zone measurements: Small SUVs

This chart shows the length of the blind zone of each listed vehicle. The distance noted is how far behind the vehicle a 28-inch traffic cone had to be before the person, sitting in the driver's seat, could see its top by looking through the rear window.

| Make/Model                    | Year | Driver 5' 8"                              | Driver 5' 1"                              |
|-------------------------------|------|---|---|
| <b>Small SUVs - Two Door</b>  |      |   |   |
| Jeep Wrangler Sport Unlimited | 2005 | 5   | 11  |
| <b>Small SUVs - Four Door</b> |      |   |   |
| Chevrolet Equinox LT          | 2004 | 18  | 28  |
| Chevrolet Equinox LT          | 2007 | 21  | 29  |
| Chevrolet Equinox LT          | 2010 | 7   | 21  |
| Dodge Nitro SLT               | 2007 | 13  | 23  |
| Ford Escape XLT               | 2004 | 13  | 16  |
| Ford Escape XLT               | 2008 | 11  | 17  |
| Honda CR-V EX                 | 2005 | 14  | 20  |
| Honda CR-V EX                 | 2007 | 17  | 22  |
| Honda Element EX              | 2003 | 18  | 35  |
| Honda Element EX              | 2007 | 19  | 23  |
| Hyundai Santa Fe Limited      | 2007 | 19  | 30  |
| Hyundai Tucson 4WD GLS        | 2005 | 13  | 27  |
| Infiniti EX35                 | 2008 | 10  | 16  |
| Jeep Compass Latitude         | 2011 | 11  | 24  |
| Jeep Compass Sport            | 2007 | 13  | 18  |
| Jeep Liberty Limited diesel   | 2005 | 12  | 18  |
| Jeep Liberty Sport            | 2008 | 15  | 22  |
| Jeep Patriot                  | 2007 | 13  | 18  |
| Jeep Wrangler Unlimited       | 2007 | 8   | 22  |
| Kia Sorento LX                | 2008 | 12  | 20  |
| Kia Sportage EX               | 2007 | 12  | 21  |
| Kia Sportage LX               | 2011 | 14  | 22  |
| Land Rover Range Rover Evoque | 2012 | 14 (no camera),<br>0 with standard camera | 25 (no camera),<br>0 with standard camera |
| Mitsubishi Outlander LS       | 2009 | 12  | 19  |
| Mitsubishi Outlander XLS      | 2003 | 15  | 26  |

|                              |      |    |    |
|------------------------------|------|----|----|
| Mitsubishi Outlander XLS     | 2007 | 13 | 20 |
| Mitsubishi Outlander Sport   | 2011 | 10 | 16 |
| Nissan Rogue                 | 2008 | 16 | 23 |
| Nissan Xterra S              | 2005 | 10 | 18 |
| Pontiac Aztek                | 2003 | 9  | 14 |
| Saturn Vue Greenline         | 2007 | 18 | 26 |
| Saturn Vue V6                | 2004 | 16 | 22 |
| Saturn Vue XR                | 2008 | 15 | 22 |
| Subaru Forester 2.5 X        | 2003 | 7  | 12 |
| Subaru Forester 2.5 X        | 2006 | 9  | 12 |
| Subaru Forester 2.5X         | 2009 | 8  | 16 |
| Subaru Forester 2.5XT Sports | 2007 | 8  | 13 |
| Suzuki XL7                   | 2007 | 25 | 46 |
| Toyota FJ Cruiser            | 2007 | 14 | 27 |
| Toyota RAV4                  | 2004 | 12 | 22 |
| Toyota RAV4 Base (4cyl)      | 2006 | 18 | 25 |
| Toyota RAV4 Limited (V6)     | 2006 | 16 | 21 |
| Volkswagen Tiguan SEL        | 2009 | 12 | 19 |

## Blind-zone measurements: Midsized SUVs

This chart shows the length of the blind zone of each listed vehicle. The distance noted is how far behind the vehicle a 28-inch traffic cone had to be before the person, sitting in the driver's seat, could see its top by looking through the rear window.

| Make/Model        | Year | Driver 5' 8"                  | Driver 5' 1"                  |
|-------------------|------|-------------------------------|-------------------------------|
| Acura MDX Tech    | 2007 | 19 (no camera), 0 with camera | 23 (no camera), 0 with camera |
| Acura MDX Touring | 2003 | 0 with camera                 | 0 with camera                 |
| Acura RDX Tech    | 2007 | 13 (no camera), 0 with camera | 21 (no camera), 0 with camera |
| Audi Q7           | 2007 | 12 (no camera), 0 with camera | 19 (no camera), 0 with camera |
| BMW X3            | 2007 | 14                            | 24                            |
| BMW X5 3.0i       | 2005 | 17                            | 28                            |
| BMW X5 3.0i       | 2007 | 18 (no camera), 0 with camera | 21 (no camera), 0 with camera |
| Buick Enclave     | 2008 | 23                            | 30                            |
| Cadillac SRX V6   | 2007 | 16                            | 26                            |
| Cadillac SRX V8   | 2004 | 19                            | 27                            |

|  |      |  |  |
|--|------|--|--|
| Chevrolet TrailBlazer EXT LT                     | 2003 | 19                                     | 35                                     |
| Chevrolet TrailBlazer LT<br>(standard wheelbase) | 2006 | 16                                     | 21                                     |
| Chevrolet Traverse                               | 2009 | 23 (no camera), 0 with camera          | 30 (no camera), 0 with camera          |
| Chrysler Pacifica                                | 2004 | 21                                     | 39                                     |
| Dodge Journey                                    | 2009 | 15                                     | 26                                     |
| Ford Edge SEL                                    | 2007 | 19                                     | 28                                     |
| Ford Edge SEL                                    | 2011 | 16 (no camera), 0 with camera          | 28 (no camera), 0 with camera          |
| Ford Explorer XLT                                | 2006 | 18                                     | 26                                     |
| Ford Explorer XLT                                | 2011 | 23 (no camera), 0 with camera          | 38 (no camera), 0 with camera          |
| Ford Flex SEL                                    | 2009 | 23                                     | 35                                     |
| Ford Freestyle SEL AWD                           | 2005 | 19                                     | 28                                     |
| Ford Taurus X                                    | 2008 | 17                                     | 23                                     |
| Honda Pilot EX-L                                 | 2005 | 0 with camera                          | 0 with camera                          |
| Hummer H3  | 2006 | 31                                     | 45                                     |
| Infiniti FX35                                    | 2003 | 15                                     | 22                                     |
| Jeep Commander Limited                           | 2006 | 44                                     | 69                                     |
| Kia Sorento EX                                   | 2011 | 16 (no camera), 0 with camera          | 30 (no camera), 0 with camera          |
| Land Rover LR3 V8 SE                             | 2005 | 26                                     | 39                                     |
| Land Rover LR4                                   | 2010 | 23 (no camera), 0 with camera          | 38 (no camera), 0 with camera          |
| Land Rover Range Rover Sport                     | 2008 | 11                                     | 19                                     |
| Lexus GX470                                      | 2004 | 15                                     | 24                                     |
| Lexus RX350                                      | 2007 | 17 (no camera), 0 with camera          | 21 (no camera), 0 with camera          |
| Lexus RX400h                                     | 2006 | 17 (no camera), 0 with camera          | 21 (no camera), 0 with camera          |
| Lincoln MKT                                      | 2010 | 0 with standard camera                 | 0 with standard camera                 |
| Lincoln MKX                                      | 2007 | 25 (no camera), 0 with camera          | 27 (no camera), 0 with camera          |
| Lincoln MKX                                      | 2011 | 25 (no camera), 0 with standard camera | 27 (no camera), 0 with standard camera |
| Mazda CX-7                                       | 2007 | 15 (no camera), 0 with camera          | 18 (no camera), 0 with camera          |
| Mazda CX-9 Grand Touring                         | 2008 | 22 (no camera), 0 with camera          | 31 (no camera), 0 with camera          |
| Mercedes-Benz ML350                              | 2006 | 16                                     | 24                                     |
| Mercedes-Benz R500                               | 2006 | 13                                     | 19                                     |
| Mercury Mountaineer Luxury AWD                   | 2005 | 14                                     | 18                                     |
| Mitsubishi Endeavor XLS                          | 2004 | 18                                     | 30                                     |
| Mitsubishi Montero Limited                       | 2003 | 11                                     | 23                                     |
| Nissan Murano SL                                 | 2005 | 14                                     | 22                                     |
| Nissan Pathfinder LE                             | 2005 | 14                                     | 18                                     |

|                           |      |                               |                               |
|---------------------------|------|-------------------------------|-------------------------------|
| Porsche Cayenne S         | 2008 | 14 (no camera), 0 with camera | 24 (no camera), 0 with camera |
| Saturn Outlook XR         | 2007 | 26                            | 46                            |
| Subaru B9 Tribeca         | 2006 | 19                            | 29                            |
| Subaru Tribeca            | 2008 | 18                            | 29                            |
| Toyota 4Runner SR5        | 2003 | 13                            | 22                            |
| Toyota 4Runner SR5        | 2010 | 13 (no camera), 0 with camera | 20 (no camera), 0 with camera |
| Toyota Highlander Hybrid  | 2006 | 17                            | 20                            |
| Toyota Highlander Limited | 2008 | 19                            | 29                            |
| Volkswagen Touareg        | 2004 | 11                            | 22                            |
| Volkswagen Touareg        | 2008 | 13 (no camera), 0 with camera | 19 (no camera), 0 with camera |
| Volkswagen Touareg        | 2011 | 11 (no camera), 0 with camera | 16 (no camera), 0 with camera |
| Volvo XC90 T6             | 2003 | 14                            | 25                            |
| Volvo XC90 V8             | 2006 | 18                            | 28                            |

## Blind-zone measurements: Large SUVs

This chart shows the length of the blind zone of each listed vehicle. The distance noted is how far behind the vehicle a 28-inch traffic cone had to be before the person, sitting in the driver's seat, could see its top by looking through the rear window.

| Make/Model                  | Year | Driver 5' 8"                  | Driver 5' 1"                  |
|-----------------------------|------|-------------------------------|-------------------------------|
| Chevrolet Suburban 1500     | 2005 | 18                            | 25                            |
| Chevrolet Suburban 1500     | 2007 | 18 (no camera), 0 with camera | 29 (no camera), 0 with camera |
| Chevrolet Tahoe LT          | 2007 | 16                            | 38                            |
| Dodge Durango               | 2008 | 18                            | 29                            |
| Dodge Durango               | 2011 | 26 (no camera), 0 with camera | 37 (no camera), 0 with camera |
| Ford Expedition EL          | 2007 | 23                            | 39                            |
| Hummer H2                   | 2008 | 30 (no camera), 0 with camera | 47 (no camera), 0 with camera |
| Lincoln Navigator Ultimate  | 2007 | 25                            | 39                            |
| Mercedes-Benz GL450         | 2007 | 21                            | 37                            |
| Nissan Pathfinder Armada LE | 2004 | 17                            | 24                            |
| Toyota Land Cruiser         | 2008 | 17                            | 27                            |
| Toyota Sequoia Limited      | 2002 | 14                            | 25                            |
| Toyota Sequoia Limited      | 2008 | 16 (no camera), 0 with camera | 22 (no camera), 0 with camera |

## Blind-zone measurements: Minivans

This chart shows the length of the blind spot of each listed vehicle. The distance noted is how far behind the vehicle a 28-inch traffic cone had to be before the person, sitting in the driver's seat, could see its top by looking through the rear window.

| Make/Model                        | Year | Driver 5' 8"                   | Driver 5' 1"                  |
|-----------------------------------|------|--------------------------------|-------------------------------|
| Chevrolet Uplander LT             | 2007 | 19                             | 29                            |
| Chrysler Town and Country Limited | 2008 | 13 (no camera), 0 with camera  | 22 (no camera), 0 with camera |
| Dodge Grand Caravan SXT           | 2005 | 12                             | 20                            |
| Dodge Grand Caravan SXT           | 2008 | 13 (no camera), 0 with camera  | 22 (no camera), 0 with camera |
| Ford Freestar SEL                 | 2004 | 13                             | 16                            |
| Honda Odyssey EX-L RES            | 2005 | 16                             | 27                            |
| Kia Sedona EX                     | 2003 | 18                             | 35                            |
| Kia Sedona EX                     | 2011 | 14 (no camera), 0 with camera  | 25 (no camera), 0 with camera |
| Mazda MPV ES                      | 2003 | 12                             | 24                            |
| Nissan Quest 3.5 SL               | 2004 | 17                             | 28                            |
| Nissan Quest 3.5 SL               | 2007 | 16 (no camera), 0 with camera  | 23 (no camera), 0 with camera |
| Nissan Quest SL                   | 2011 | 17 (no camera), 0 with camera  | 26 (no camera), 0 with camera |
| Saturn Relay FWD 3                | 2005 | 19                             | 26                            |
| Toyota Sienna XLE FWD             | 2005 | 13                             | 28                            |
| Toyota Sienna XLE FWD             | 2010 | 13 (no cameras), 0 with camera | 22 (no camera), 0 with camera |
| Volkswagen Routan                 | 2009 | 11                             | 18                            |

## Blind-zone measurements: Pickups

This chart shows the length of the blind zone of each listed vehicle. The distance noted is how far behind the vehicle a 28-inch traffic cone had to be before the person, sitting in the driver's seat, could see its top by looking through the rear window.

| Make/Model                     | Year | Driver 5' 8"                  | Driver 5' 1"                  |
|--------------------------------|------|-------------------------------|-------------------------------|
| Chevrolet Avalanche 1500       | 2002 | 29                            | 51                            |
| Chevrolet Avalanche LT         | 2007 | 31 (no camera), 0 with camera | 50 (no camera), 0 with camera |
| Chevrolet Colorado Crew Cab LS | 2005 | 18                            | 25                            |
| Chevrolet Silverado 1500       | 2004 | 23                            | 37                            |
| Chevrolet Silverado 1500 LT    | 2007 | 26                            | 38                            |
| Chevrolet Silverado 2500 LTZ   | 2007 | 31                            | 40                            |
| Dodge Dakota SLT               | 2005 | 17                            | 24                            |
| Dodge Ram 1500 SLT             | 2004 | 26                            | 35                            |
| Dodge Ram 1500 SLT             | 2007 | 22                            | 31                            |
| Dodge Ram 1500 SLT             | 2009 | 24                            | 35                            |
| Ford Explorer Sport Trac XLT   | 2007 | 22                            | 33                            |
| Ford F-150 XLT                 | 2004 | 34                            | 45                            |
| Ford F-150 XLT                 | 2007 | 28                            | 39                            |
| Ford F-150 XLT                 | 2009 | 31                            | 45                            |
| Ford F-250 Super Duty Lariat   | 2008 | 21                            | 33                            |
| Honda Ridgeline RTS            | 2006 | 18                            | 28                            |
| Nissan Frontier LE             | 2005 | 16                            | 25                            |
| Nissan Titan SE                | 2004 | 25                            | 42                            |
| Toyota Tacoma                  | 2005 | 17                            | 24                            |
| Toyota Tundra SR5              | 2004 | 29                            | 44                            |
| Toyota Tundra SR5              | 2007 | 29                            | 39                            |



## Blind-zone measurements: Two-door coupes & sports cars

This chart shows the length of the blind zone of each listed vehicle. The distance noted is how far behind the vehicle a 28-inch traffic cone had to be before the person, sitting in the driver's seat, could see its top by looking through the rear window.

| Make/Model                | Year | Driver 5' 8" | Driver 5' 1" |
|---------------------------|------|--------------|--------------|
| BMW 135i                  | 2008 | 11           | 15           |
| BMW 650i                  | 2006 | 10           | 18           |
| Chevrolet Camaro SS       | 2010 | 9            | 19           |
| Chevrolet Cobalt SS Coupe | 2008 | 21           | 39           |
| Chevrolet Cobalt SS Coupe | 2005 | 23           | 32           |
| Chevrolet Corvette Z06    | 2006 | 11           | 15           |
| Chevrolet Monte Carlo SS  | 2006 | 17           | 24           |
| Chrysler Crossfire        | 2004 | 18           | 22           |
| Dodge Viper               | 2006 | 13           | 29           |
| Ford Mustang GT (coupe)   | 2010 | 15           | 24           |
| Honda Civic Si            | 2006 | 15           | 19           |
| Hyundai Genesis Coupe     | 2010 | 16           | 25           |
| Hyundai Tiburon GT        | 2003 | 10           | 23           |
| Kia Forte Koup SX         | 2010 | 12           | 20           |
| Mazda RX-8                | 2003 | 14           | 19           |
| Mitsubishi Eclipse GS     | 2006 | 14           | 23           |
| Nissan 350Z Touring       | 2003 | 12           | 20           |
| Nissan 370Z               | 2010 | 9            | 18           |
| Porsche 911               | 2006 | 6            | 12           |
| Scion tC                  | 2011 | 11           | 16           |
| Volkswagen R32            | 2008 | 8            | 14           |

## Blind-zone measurements: Convertibles & roadsters

This chart shows the length of the blind zone of each listed vehicle. The distance noted is how far behind the vehicle a 28-inch traffic cone had to be before the person, sitting in the driver's seat, could see its top by looking through the rear window.

| Make/Model                      | Year | Driver 5' 8"                            | Driver 5' 1"                            |
|---------------------------------|------|---|---|
| Audi A5 2.0T convertible        | 2010 | 7 top up/6 top down                     | 16 top up/10 top down                   |
| BMW 328i convertible            | 2008 | 8 top up/6 top down                     | 17 top up/9 top down                    |
| Chrysler PT Cruiser Convertible | 2005 | 13 top up/20 top down                   | 20 top up/29 top down                   |
| Chrysler Sebring Limited        | 2005 | 10 top up/9 top down                    | 18 top up/19 top down                   |
| Chrysler Sebring Limited        | 2009 | 13 top up/13 top down                   | 23 top up/23 top down                   |
| Ford Mustang Convertible        | 2005 | 10 top up/10 top down                   | 21 top up/21 top down                   |
| Ford Mustang GT Convertible     | 2011 | 16 top up/16 top down,<br>0 with camera | 27 top up/27 top down,<br>0 with camera |
| Infiniti G37 convertible        | 2010 | 9 top up/9 top down,<br>0 with camera   | 17 top up/17 top down,<br>0 with camera |
| Jaguar XK                       | 2007 | 13 top up/7 top down                    | 22 top up/14 top down                   |
| Lexus IS250c                    | 2010 | 13 top up/13 top down                   | 23 top up/26 top down                   |
| Mazda MX-5 Miata                | 2006 | 3 top up/2 top down                     | 6 top up/6 top down                     |
| Mazda MX-5 Miata PRHT           | 2010 | 3 top up/3 top down                     | 5 top up/5 top down                     |
| Mercedes-Benz SL550             | 2007 | 5 top up/5 top down                     | 11 top up/11 top down                   |
| MINI Cooper S Convertible       | 2005 | 6 top up/14 top down                    | 13 top up/29 top down                   |
| Mitsubishi Eclipse convertible  | 2008 | 13 top up/9 top down                    | 35 top up/21 top down                   |
| Pontiac G6 GT                   | 2008 | 22 top up/ 14 top down                  | 32 top up/ 22 top down                  |
| Pontiac Solstice                | 2006 | 4 top up/3 top down                     | 18 top up/10 top down                   |
| Porsche Boxster 2.7             | 2002 | 2 top up                                | 20 top up                               |
| Saab 9-3 2.0T convertible       | 2008 | 14 top up/ 12 top down                  | 29 top up/ 22 top down                  |
| Saturn Sky Redline              | 2007 | 3 top up/ 3 top down                    | 5 top up/ 5 top down                    |
| Toyota Camry Solara SLE         | 2005 | 16 top up/ 17 top down                  | 23 top up/ 21 top down                  |
| Volkswagen Beetle GLS           | 2005 | 6 top up/ 19 top down                   | 16 top up/ 52 top down                  |
| Volkswagen Eos                  | 2008 | 12 top up/ 8 top down                   | 21 top up/ 14 top down                  |
| Volvo C70                       | 2008 | 13 top up/ 12 top down                  | 21 top up/ 17 top down                  |

<http://www.consumerreports.org/cro/2012/03/the-danger-of-blind-zones/index.htm>