

DOT HS 811 360
July 2010



BUYING A SAFER CAR

FOR CHILD PASSENGERS

2010

A GUIDE FOR PARENTS

On the Web
www.safercar.gov

DOT Vehicle Safety Hotline
888-327-4236
TDD 800-424-9153

What to Look for When Buying a New Car

Child Safety and Booster Seat Basics

Vehicle Safety Tips, FAQs and Contact Information



CONTENTS

Safety Features for Child Passengers	3
Lower Anchors and Tethers for Children (LATCH).....	3
Rear Center-Seat Lap and Shoulder Belts.....	3
Adjustable Upper Belts (Rear)	4
Built-In Child Safety Seats	4
Manual Air Bag On-Off Switch	4
Push-Down, Pull-Up Window Switches.....	5
Anti-Pinch/Auto-Reversal Windows	5
Automatic Door Lock	5
Brake Transmission Shift Interlock.....	5
Additional Safety Features to Consider	6
Active Head Restraints	6
Frontal Air Bags	6
Advanced Frontal Air Bags.....	6
Side Impact Air Bags.....	6
Interior Trunk Release.....	7
Child Safety Features by Model – 2010	7
Child Safety Seats and Booster Seats	22
Vehicle Compatibility Considerations	22
Ease-of-Use Ratings.....	22
Child Passenger Safety — A Parent’s Primer	23
Keeping Kids Safe: Inside & Out	24
Beyond Safety Technologies and Equipment	24
Frequently Asked Questions	24
Additional Resources	27





SAFER CARS, SAFER CHILDREN

Buying a Safer Car for Child Passengers 2010 is a National Highway Traffic Safety Administration (NHTSA) guidebook designed to help parents understand vehicle child safety features, make an informed buying decision when purchasing family cars, properly use child safety and booster seats, and help keep children as safe as possible whenever they are in or around vehicles.

This brochure should be used in tandem with the NHTSA *Buying a Safer Car 2010* brochure, which contains a full range of safety feature information, crash tests, and rollover resistance results on cars, light trucks, sport utility vehicles (SUVs), and vans. To view the most updated government crash test results, access the *Buying a Safer Car 2010* brochure or order a free copy by visiting www.safercar.gov **TODAY**.

SAFETY FEATURES FOR CHILD PASSENGERS

Safety is one of the most important considerations when buying a family vehicle. As you shop for your new car, you'll want to become familiar with available child safety features. The safety features listed here are designed to help reduce the risk of children incurring crash-related injuries and other vehicle-related injuries, such as those posed by certain types of power windows.

Keep in mind that some safety features listed here are required on all 2010 model vehicles, while others are available only on select vehicles as either standard or optional equipment. The "Child Safety Features by Model – 2010" charts, which begin on page 8 of this booklet, will help you locate vehicles that include specific child passenger safety features.

However, it's important to remember that no safety technology can replace the need to monitor children when they are in and around motor vehicles — or the need to see that your child passengers are safely buckled up at all times. Statistics show that children are much less likely to be seriously injured in a crash if they are properly restrained.

In fact, the most important safety precaution a parent or caregiver can take is to secure child passengers under 13 in size- and weight-appropriate child restraints or seat belts — in the vehicle's rear seat. In the pages of this booklet, you'll find information about features that can help ensure your little passengers are properly secured every trip, every time.

Check Vehicle Instructions for Alternative Tether Anchor Locations



Lower Anchors and Tethers for Children (LATCH)

LATCH is a system that makes child safety seat installation easier — without using seat belts. How does the LATCH system work? Anchors on a LATCH-equipped vehicle are used to install a child safety seat equipped with LATCH attachments. Most LATCH-equipped vehicles have anchors in the right and left rear seat positions.

If the center seat doesn't have anchors, you can still install your child safety seat using a seat belt. If your vehicle isn't LATCH-equipped, use the seat belt and, if available, a top tether to secure your child's safety seat. The LATCH system is required on child safety seats and vehicles manufactured after September 1, 2002.

Since LATCH has been required safety equipment on new vehicles since 2002, you won't find a listing for LATCH-equipped vehicles in the Child Passenger Safety Features charts. However, you will find information on LATCH position locations for those vehicles listed.

Rear Center-Seat Lap and Shoulder Belts

Lap and shoulder belts provide better crash protection than lap belts alone. In 2004, NHTSA published a final rule requiring that all rear-designated seating positions (other than side-facing seats) be equipped with lap/shoulder seat belts by September 1, 2007. This has made vehicles equipped with rear center-seat lap and shoulder belts widely available, which especially benefits older children and children in booster seats who often ride in this seating position.

Adjustable Upper Belts (Rear)

Because seat belts must fit people of various sizes, including older children, some manufacturers offer an adjustable upper belt anchorage that lets you change the position of the shoulder strap to accommodate a person's size and improve shoulder belt fit. Check the manufacturer's instructions to correctly adjust the seat belts in your vehicle.

Built-In Child Safety Seats

Some manufacturers offer built-in child safety seats that are designed to restrain children at least 1 year old and over 20 pounds. Specific weight and height requirements may vary; check with the vehicle manufacturer for details. Since the introduction of the LATCH system, which was designed to make child safety seats easier to install, only a very small percentage of manufacturers offer this feature, so you won't find this safety feature listed in the Child Passenger Safety Features charts. Check with your dealer or manufacturer for more information about vehicle models that include built-in child safety seats.

Manual Air Bag On-Off Switch

Vehicles with no rear seat, or a rear seat that is not appropriate for a child safety seat, may have a switch that lets the driver control the front-seat passenger

air bag. The switch has a warning light that must be clearly visible to all front-seat passengers to let them know when the air bag has been turned off.

Infants and children riding in the front passenger seat can be seriously injured — or even killed — if the air bag deploys. However, we recognize that there may be occasions when a parent or caregiver has no other option than to place a child in the front passenger seat, such as:

1. In a pickup truck or sports car with insufficient, inadequate, or no rear seats, or
2. If a parent is transporting too many children for all to ride in the rear, or
3. If a child with a medical condition requires monitoring and the driver is the only available adult in the vehicle.

In such cases where transporting a child under age 13 in the front seat is unavoidable, the air bag on-off switch should be set to the OFF position.

Refer to your owner's manual for information on the correct use of the air bag on-off switch.

In addition to vehicle with no rear, or a rear seat that is not appropriate for a child safety seat, NHTSA will authorize the installation of an air bag on-off switch* for people in the following four circumstances:

1. People who must transport infants riding in rear-facing infant seats in the front passenger seat;
2. People who must transport a child under 13 in the front passenger seat;
3. Drivers who cannot change their customary driving positions to keep 10 inches between the

center of the steering wheel and the center of the breastbone; and

4. People whose medical conditions pose a special risk that outweighs the safety benefits of air bags inflating in a crash.

To view the NHTSA *Air Bags & On-Off Switches: Information for an Informed Decision* brochure go to: <http://www.safercar.gov/airbags/Brochure/index.html>

To download the *Request for Air Bag On-Off Switch* form go to: http://www.safercar.gov/staticfiles/DOT/safercar/pdf/ON-OFF_Switch_Request.pdf

To receive a copy of the brochure or form by mail call the **DOT Vehicle Safety Hotline** at 888-327-4236 (TDD 800-424-9153).

****On-off switches are not available for all vehicles. Make sure a switch is available for your vehicle before you request authorization to have it installed.***

Push-Down, Pull-Up Window Switches

With a conventional rocker or toggle-type window switch, a child can accidentally lean or kneel on the switch and cause a window to close — trapping hands, arms, or other body parts in the power window, which can cause serious injury or even death. Push-down, pull-up switches help eliminate this safety risk. These switches work just like the name indicates: You “push” the switch to lower the window and “pull” it to raise the window, making it virtually impossible to close a window by accident. A Federal rule requires that these safety power window switches be installed in all cars, vans, pickup trucks, and sport utility vehicles made for sale in the United States on or after October 1, 2008.

Anti-Pinch/Auto-Reversal Windows

Automatic reversal windows (also called “pinch protection,” “anti-entrapment,” or “bounceback” windows) are designed to stop closing and to reverse direction if they sense that something is in the way. There are several different types of systems available. Check with your dealer about the specific operation of anti-pinch/auto-reversal windows.

Note: In all vehicles, even those without safety window switches, power windows can be disabled by taking the ignition key out of the car. Never leave the key in the ignition of your vehicle with a child present unless an adult is also present to supervise.

Automatic Door Locks

It is important that the rear doors be locked when children are in the rear seats so they do not open them while in transit. An automatic door lock is designed to activate when a car is put into gear or reaches a certain speed. Currently 70 to 85 percent of vehicle models have automatic door locks. Some automatic door locks also allow the driver in the front seat to engage or disengage these child safety locks. When child safety locks are engaged, the rear doors cannot be opened from the inside.

Brake Transmission Shift Interlock (BTSI)

A brake transmission shift interlock (BTSI) device helps prevent children from accidentally shifting a car into gear, which would put them — and any children near or around the vehicle — at risk for being run over. As long as the key is in the ignition, it’s relatively easy for a child to shift a vehicle with an automatic transmission into gear. The motor doesn’t even have to be turned on. A child might simply turn the key to accessory mode to listen to the radio, and end up accidentally putting the car in motion. A BTSI device helps prevent this by requiring the driver’s foot be on the brake before a

vehicle can be shifted out of Park. By September 1, 2010, every car and truck sold in the United States must be equipped with a BTSI mechanism.

ADDITIONAL SAFETY FEATURES TO CONSIDER

The following safety features are not typically considered specific to children, but they do have an impact on children and teenagers. In researching the purchase of a new or used vehicle, it's important to consider how these technologies may affect everyone in your family.

Active Head Restraints

The newest type of head restraint is an active head restraint, which comes in a number of designs for the front seats of vehicles. Preliminary research has shown that active head restraints may help reduce whiplash injuries in rear-end crashes. While this safety feature has no impact on children under 13, who should always ride in the rear seat, active head restraints may provide additional protection to teenagers in the front seat during a rear-end crash. In such a crash, active head restraints automatically close the gap between the occupant's head and the head restraint by moving forward, and in some instances up, relative to the occupant's head. (Note that active head restraints may also be height-adjusted manually.)

Frontal Air Bags

Frontal air bags may pose a danger for children under 13. Therefore, NHTSA recommends that all children under 13 should always ride in the rear seat — where it's safest for them. Vehicles with no rear seat, or a rear seat that is not appropriate for a child safety seat, may have a switch that lets the driver turn off the front seat passenger air bag. Refer to the "Manual Air Bag On-Off Switch" section of this booklet on page 4 to learn more about

these switches and how and when to use them to protect your child passengers.

Advanced Frontal Air Bags

All passenger vehicles produced after September 1, 2006, are required to have advanced frontal air bags, which are designed to provide the life-saving benefits associated with air bags while reducing the risk of air-bag-related injuries and death to small-stature occupants. Advanced frontal air bags automatically determine if, and with what level of power, the driver frontal air bag and passenger frontal air bag will inflate. The appropriate level of power is based upon sensor inputs that typically detect: (1) the size or weight of an occupant, (2) if the occupant is wearing a seat belt, (3) how far back the occupant's seat is set, and (4) the severity of the crash.

Even in vehicles equipped with advanced frontal air bags, forward-facing children under 13 should never ride in the front seat. However, parents who have teenagers 13 and older who ride in the front seat of the family vehicle should be aware of the safety advantages of advanced frontal air bags, particularly as teenagers tend to be of smaller stature than the average adult.

Side Impact Air Bags

Side air bag (SAB) technology has advanced rapidly in recent years and various types of SABs have emerged. SABs offer additional protection to two principal areas of the body — the head and the chest — during side-impact crashes. Head-protecting curtain or tubular SABs deploy overhead and downward from the roof rail. Door-mounted or seat-mounted SABs, also called torso bags, are designed to offer protection to the chest. A combination SAB, or "combo bag," deploys from the seat back and offers protection to both the chest and head.

A Technical Working Group of experts representing the automotive and insurance industries developed voluntary SAB testing procedures to minimize the potential risk of SAB-related injuries for out-of-position occupants, which often include children who sit too close to a SAB. Vehicles that have successfully completed the full battery of tests specified under the voluntary guidelines will have an “M” for “meets specifications” in the “SAB Out-of-Position Tests” column of the Child Passenger Safety Features charts in this brochure.

For specific information about how the side air bag system in your vehicle works in the event of a crash, refer to your vehicle owner’s manual or contact your manufacturer. More SAB information, including the results of “SAB Out-of-Position Tests,” is also available by searching the NHTSA vehicle database at www.safercar.gov.

Some facts that parents will want to remember about child occupant protection in general — and side air bags in particular — are listed here:

- ALL children should use safety restraints appropriate for their age and size (this could be a child safety seat, a booster seat, or an adult seat belt).
- Children under 13 are safest sitting in the rear seat and properly restrained.
- To minimize injury risks, NHTSA recommends that children not lean or rest against chest-only or head/chest combination SABs (where the side air bag is stored).
- NHTSA has not seen any indication of risks to children from current roof-mounted head SABs.

Interior Trunk Release

Interior trunk releases are designed to help people, especially children, free themselves if they become locked in a vehicle’s trunk. Almost all passenger cars with trunks manufactured after September 1, 2001, are required to be equipped with this safety feature. Check with your automobile dealer to learn about the types of trunk release systems available. Your dealer can also tell you which vehicle manufacturers offer retrofit kits to install an interior trunk release in an older car. Ensure that your children know where the interior trunk release in your vehicle is located and how to use it.

CHILD SAFETY FEATURES BY MODEL – 2010

The following charts, ordered by vehicle type, are designed to help you select a family vehicle with key child passenger safety features. Included in these charts is information about the following child passenger safety features:

- Adjustable Upper Belt – Rear
- Air Bag On-Off Switch
- Anti-Pinch/Auto Reversal Windows
- Automatic Door Lock
- Brake Transmission Shift Interlock
- LATCH Positions
- Side Air Bags – 2nd Row
- Side Air Bag Out-of-Position Tests

Make	Model	Body Style	Air Bags					Safety Features						
			Side Air Bags					LATCH Locations	Power Windows w/Automatic Reversal	Push Down/Lift Up Power Window Switch	BTSI	Automatic Door Locks	Adjustable Upper Belt - Rear	Head Restraints - Rear
			Chest Air Bag	Head Air Bag	Head Air Bag - Rollover	SAB Out of Position (OOP) Tests	Air Bag On/Off Switch							
Acura	MDX	4dr	STPs1	SC3	Yes	M		4,5,6	S13	S	S	S		S
Acura	RDX	4dr	STs1	SC2	Yes	M		4,5,6	S13	S	S	S		S
Acura	RL	4dr	STs1	SC2		M		4,6	S1346	S	S	S		S
Acura	TL	4dr	STPs1	SC2		M		4,6	S13	S	S	S		S
Acura	TSX	4dr	STPs1	SC2		M		4,6	S13	S	S	S		S
Acura	ZDX	4dr	STPs1	SC2	Yes	M		4,6	S1346	S	S	S		S
Audi	A3	4dr	STs1/OTs2	SC2		M		4,6	S1346	S	S	S		S
Audi	A4	4dr	STs1/OTs2	SC2		M		4,6	S1346	S	S	S		S
Audi	A4 Avant	4dr	STs1/OTs2	SC2		M		4,6	S1346	S	S	S		S
Audi	A5	2dr	STs1	SC2		M		4,6	S13	S	S	S		S
Audi	A5 Cabriolet	Conv	SBs1	SB1		M			S1346	S	S	S		S
Audi	A6	4dr	STs1/OTs2	SC2		M		4,6	S1346	S	S	S		S
Audi	A6 Avant	4dr	STs1/OTs2	SC2		M		4,6	S1346	S	S	S		S
Audi	A8	4dr	STs2	SC2		M		4,6	S1346	S	S	S		S
Audi	Q5	4dr	STs1/OTs2	SC2	Yes	M		4,6	S1346	S	S	S		S
Audi	Q7	4dr	STs1/OTs2	SC2/3	Yes	M		5pass: 4,6; 7pass: 4,6,7,9	S1346	S	S	S	S	S
Audi	R8	2dr	SBs1	SB1		M			S13	S		S		
Audi	S4	4dr	STs1/OTs2	SC2		M		4,6	S1346	S	S	S		S
Audi	S4 Avant	4dr	STs1/OTs2	SC2		M		4,6	S1346	S	S	S		S
Audi	S5	2dr	STs1	SC2		M		4,6	S13	S	S	S		S
Audi	S5 Cabriolet	Conv	SBs1	SB1		M			S1346	S	S	S		S
Audi	S6	4dr	STs1/OTs2	SC2		M		4,6	S1346	S	S	S		S
Audi	TT	2dr	SBs1	SB1		M		4,6	S13	S	S	S		
Audi	TT	Conv	SBs1	SB1		M			S13	S	S	S		
Audi	TTS	2dr	SBs1	SB1		M		4,6	S13	S	S	S		
Audi	TTS	Conv	SBs1	SB1		M			S13	S	S	S		
BMW	128i/135i	2dr	STs1	SC2		M		4,6	S13	S	S	S		S
BMW	128i/135i	Conv	SBs1	SB1		M		4,6***	S13	S	S	S		S
BMW	3 Series	2dr	STs1	SC2		M		4,6	S13	S	S	S		S
BMW	3 Series	4dr	STs1	SC2		M		4,6	S1346	S	S	S		S
BMW	3 Series	Conv	SBs1	SB1	Yes	M		4,6***	S13	S	S	S		S
BMW	3 Series Wagon	4dr	STs1	SC2		M		4,6	S1346	S	S	S		S
BMW	5 Series	4dr	STd1/OTd2	SS2				4,6	S1346	S	S	S		S
BMW	5 Series GT	4dr	STd1	SC2				4,6	S1346	S	S	S		S
BMW	5 Series Wagon	4dr	STd1/OTd2	SS2				4,6	S1346	S	S	S		S
BMW	6 Series	2dr	STd1	SS1				4,6	S13	S	S	S		S

Make	Model	Body Style	Air Bags					Safety Features						
			Side Air Bags					LATCH Locations	Power Windows w/Automatic Reversal	Push Down/Lift Up Power Window Switch	BTSI	Automatic Door Locks	Adjustable Upper Belt - Rear	Head Restraints - Rear
			Chest Air Bag	Head Air Bag	Head Air Bag - Rollover	SAB Out of Position (OOP) Tests	Air Bag On/Off Switch							
BMW	6 Series	Conv	STd1			M		4,6***	S13	S	S	S		S
BMW	7 Series	4dr	STs1	SC2		M		4,6	S1346	S	S	S		S
BMW	X3	4dr	STd1/OTd2	SC2		M		4,6	S1346	S		S		S
BMW	X5	4dr	STs1	SC2	Yes	M		4,6	S1346	S	S	S		S
BMW	X6	4dr	STs1	SC2	Yes	M		4,6	S1346	S	S	S		
BMW	Z4	Conv	SBs1	SB1		M			S13	S	S	S		
Buick	Enclave	4dr	STs1	SC3	Yes	M		4,6	S13	S	S	S	S	S
Buick	Lacrosse	4dr	STs1/OTs2	SC2	Yes	M		4,5,6	S1346	S	S	S	S	
Buick	Lucerne	4dr	STs1	SC2		M		4,5,6	Xwindow	S	S	S	S	
Cadillac	CTS	4dr	STs1	SC2	Yes	M		4,6	S13	S	S	S	S	S
Cadillac	DTS	4dr	STs1	SC2		M		4,5,6	S13	S	S	S	S	S
Cadillac	Escalade	4dr	STs1	SC3	Yes	M		4,6 or 5,6	S13	S	S	S	S	S
Cadillac	Escalade ESV	4dr	STs1	SC3	Yes	M		4,6 or 5,6	S13	S	S	S	S	S
Cadillac	Escalade EXT	4dr	STs1	SC2	Yes	M		5,6	S13	S	S	S	S	S
Cadillac	Escalade Hybrid	4dr	STs1	SC3	Yes	M		4,6 or 5,6	S13	S	S	S	S	S
Cadillac	SRX	4dr	STs1	SC2	Yes	M		4,6	S1346	S	S	S	S	S
Cadillac	STS	4dr	STs1	SC2		M		4,5,6	S1346	S	S	S	S	S
Chevrolet	Avalanche	4dr	STs1	SC2	Yes	M		5,6	Xwindow	S	S	S	S	S
Chevrolet	Aveo	4dr	SBs1	SB1		M		4,6	X	S	S			
Chevrolet	Aveo	5dr	SBs1	SB1		M		4,6	X	S	S			
Chevrolet	Camaro	2dr	STs1	SC2		M		4,6	S13	S	S	S	S	
Chevrolet	Cobalt	2dr		SC2		M		4,5,6	X	S	S	O	S	S
Chevrolet	Cobalt	4dr		SC2		M		4,5,6	X	S	S	O	S	S
Chevrolet	Colorado Crew Cab	4dr		SC2		M		4,6	X	S	S	O	S	S
Chevrolet	Colorado Extended Cab	2dr		SC2		M		4,6	X	S	S	O		
Chevrolet	Colorado Regular Cab	2dr		SC1		M			X	S	S	O		
Chevrolet	Corvette	2dr	SBs1	SB1		M			X	S	S	S		
Chevrolet	Corvette	Conv	SBs1	SB1		M			X	S	S	S		
Chevrolet	Corvette Z06	2dr	SBs1	SB1		M			X	S	S	S		
Chevrolet	Corvette ZR1	2dr	SBs1	SB1		M			X	S	S	S		
Chevrolet	Equinox	4dr	STs1	SC2	Yes	M		4,6	Xwindow	S	S	S	S	S
Chevrolet	Express 1500 Cargo			SC1	Yes	M			X	S	S			
Chevrolet	Express 1500 Passenger			SC3	Yes	M		4,6,7,9	X	S	S			
Chevrolet	Express 2500 12 Passenger			SC3	Yes	M	S	4,6,7,9	X	S	S			
Chevrolet	Express 3500 12 Passenger			SC3	Yes	M	S	4,6,7,9	X	S	S			
Chevrolet	Express 3500 15 Passenger			SC3	Yes	M	S	4,6,7,9,10,12	X	S	S			
Chevrolet	HHR	2dr		SC1	Yes	M			Xwindow	S	S	S		

Make	Model	Body Style	Air Bags					Safety Features							
			Side Air Bags				Air Bag On/Off Switch	LATCH Locations	Power Windows w/Automatic Reversal	Push Down/Lift Up Power Window Switch	BTSI	Automatic Door Locks	Adjustable Upper Belt - Rear	Head Restraints - Rear	
			Chest Air Bag	Head Air Bag	Head Air Bag - Rollover	SAB Out of Position (OOP) Tests									
Chevrolet	HHR	4dr		SC2	Yes	M		4,6	Xwindow	S	S	S	S	S	
Chevrolet	Impala	4dr	STs1	SC2		M		4,5,6	X	S	S	S	S		
Chevrolet	Malibu	4dr	STs1	SC2		M		4,5,6	S1	S	S	S	S		
Chevrolet	Silverado 1500 Crew Cab	4dr	STs1	SC2	Yes	M		4,6	Xwindow	S	S	S	S	S	
Chevrolet	Silverado 1500 Extended Cab	2dr	STs1	SC2	Yes	M		4,6	Xwindow	S	S	O	S	S	
Chevrolet	Silverado 1500 Hybrid	4dr	STs1	SC2	Yes	M		4,6	Xwindow	S	S	S	S	S	
Chevrolet	Silverado 1500 Regular Cab	2dr	STs1	SC1	Yes	M			Xwindow	S	S	O			
Chevrolet	Silverado 2500 Crew Cab	4dr					S	4,6	Xwindow	S	S	O	S	S	
Chevrolet	Silverado 2500 Extended Cab	2dr					S	4,6	Xwindow	S	S	O	S	S	
Chevrolet	Silverado 2500 Regular Cab	2dr					S		Xwindow	S	S	O			
Chevrolet	Silverado 3500 Crew Cab	4dr					S	4,6	Xwindow	S	S	O	S	S	
Chevrolet	Silverado 3500 Extended Cab	2dr					S	4,6	Xwindow	S	S	O	S	S	
Chevrolet	Silverado 3500 Regular Cab	2dr					S		Xwindow	S	S	O			
Chevrolet	Suburban 1500	4dr	STs1	SC3	Yes	M		4,6 or 5,6	Xwindow	S	S	S	S	S	
Chevrolet	Suburban 2500	4dr	STs1	SC3	Yes	M		4,6 or 5,6	Xwindow	S	S	S	S	S	
Chevrolet	Tahoe	4dr	STs1	SC3	Yes	M		4,6 or 5,6	Xwindow	S	S	S	S	S	
Chevrolet	Tahoe Hybrid	4dr		SC3	Yes	M		4,6 or 5,6	Xwindow	S	S	S	S	S	
Chevrolet	Traverse	4dr	STs1	SC3	Yes	M		4,6	S13	S	S	S	S	S	
Chrysler	300	4dr		SC2		M		4,5,6	O13	S	S	S		S	
Chrysler	PT Cruiser	4dr	SBs1	SB1		M		4,6 or 5	Xwindow		S	S		S	
Chrysler	Sebring	4dr	STs1	SC2		M		4,6 or 5	O13	S	S	S			
Chrysler	Sebring	Conv	SBs1	SB1				4,6	O13	S	S	S			
Chrysler	Town & Country			SC3	Yes	M		4,6,8	O1	S	S	S	S	S	
Dodge	Avenger	4dr	STs1	SC2		M		4,6 or 5	O13	S	S	S			
Dodge	Caliber	4dr	OTs1	SC2		M		4,6 or 5	Xwindow	S	S	O		S	
Dodge	Challenger	2dr		SC2		M		4,5,6	X	S	S	S		S	
Dodge	Charger	4dr		SC2		M		4,5,6	O13	S	S	S		S	
Dodge	Dakota Crew Cab	4dr		OC2		M		4,6	X	S	S	S		S	
Dodge	Dakota Extended Cab	2dr		OC2		M		3,4,6	X	S	S	S			
Dodge	Grand Caravan			SC3	Yes	M		4,6,8	O1	S	S	S	S	S	
Dodge	Journey	4dr	STs1	SC2/3	Yes	M		4,6 or 4,5	O1	S	S	S		S	
Dodge	Nitro	4dr		SC2	Yes	M		4,6 or 5	O1	S	S	S		S	
Dodge	Ram 1500 Crew Cab	4dr		SC2		M		4,6 or 4,5,6	O13	S	S	S		S	
Dodge	Ram 1500 Quad Cab	4dr		SC2		M		4,6	O13	S	S	S		S	
Dodge	Ram 1500 Regular Cab	2dr		SC1		M			X	S	S	S		S	
Dodge	Ram 2500	2dr		SC2		M		4,6 or 4,5,6	O13	S	S	S		S	
Dodge	Ram 2500 Mega Cab	4dr		SC2		M		4,5,6	O13	S	S	S		S	

Make	Model	Body Style	Air Bags					Safety Features						
			Side Air Bags					LATCH Locations	Power Windows w/Automatic Reversal	Push Down/Lift Up Power Window Switch	BTSI	Automatic Door Locks	Adjustable Upper Belt - Rear	Head Restraints - Rear
			Chest Air Bag	Head Air Bag	Head Air Bag - Rollover	SAB Out of Position (OOP) Tests	Air Bag On/Off Switch							
Dodge	Ram 2500 Regular Cab	2dr		SC1		M			X	S	S	S		S
Dodge	Viper	2dr							X			S		
Dodge	Viper Roadster	Conv							X			S		
Ford	Crown Victoria	4dr	SBs1	SB1		M	4,6*		X	S	S	S		
Ford	E-150							5pass: 5,6; 7pass: 4,8; 8pass: 5,8	X	S	S	S		S
Ford	E-350 12 Passenger							12pass: 5,8	X	S	S	S		
Ford	E-350 15 Passenger							11pass: 5,8,11; 15pass: 5,8,11	X	S	S	S		
Ford	Edge	4dr	STs1	SC2	Yes	M	4,6*		S1	S	S	S		S
Ford	Escape	4dr	STs1	SC2	Yes	M	4,6*		X	S	S	S		S
Ford	Escape Hybrid	4dr	STs1	SC2	Yes	M	4,6*		X	S	S	S		S
Ford	Expedition	4dr	STs1	SC3	Yes	M		7pass: 4,6; 8pass: 4,5,6	S1	S	S	S		S
Ford	Expedition Extended	4dr	STs1	SC3	Yes	M		7pass: 4,6; 8pass: 4,5,6	S1	S	S	S		S
Ford	Explorer	4dr	STs1	SC2	Yes	M	4,6*		O1	S	S	S		S
Ford	Explorer Sport Trac	4dr	STs1	SC2	Yes	M	4,6*		O1	S	S	S		S
Ford	F-150 Extended Cab	4dr	STs1	SC2	Yes	M	4,6*		Xwindow	S	S	S		S
Ford	F-150 Regular Cab	2dr	STs1	SC1	Yes	M			Xwindow	S	S	O		
Ford	F-150 Supercab	2dr	STs1	SC2	Yes	M	4,6*		Xwindow	S	S	O		S
Ford	F-250 Regular Cab	2dr					S		X	S	S	O		
Ford	F-250 Supercab	2dr					S		X	S	S	O		S
Ford	F-250 Supercrew	4dr							X	S	S	O		S
Ford	F-350 Regular Cab	2dr					S		X	S	S	O		
Ford	F-350 Supercab	2dr					S		X	S	S	O		S
Ford	F-350 Supercrew	4dr					S		X	S	S	O		S
Ford	Flex	5dr	STs1	SC3	Yes	M		4,6,9*	X	S	S	S		S
Ford	Focus	2dr	STs1	SC2		M	4,6*		X	S	S	O		S
Ford	Focus	4dr	STs1	SC2		M	4,6*		X	S	S	O		S
Ford	Fusion	4dr	STs1	SC2		M	4,6*		S1	S	S	S		S
Ford	Fusion Hybrid	4dr	STs1	SC2		M	4,6*		S1	S	S	S		S
Ford	Mustang	2dr	SBs1	SB1		M	4,6		O13	S	S	S		
Ford	Mustang	Conv	SBs1	SB1			4,6		O13	S	S	S		
Ford	Ranger Regular	2dr	SBs1	SB1		M			X	S	S			
Ford	Ranger Supercab	2dr	SBs1	SB1		M			X	S	S			
Ford	Ranger Supercab	4dr	SBs1	SB1		M			X	S	S			
Ford	Taurus	4dr	STs1	SC2	Yes	M		4,5,6**	O13	S	S	S		S

Make	Model	Body Style	Air Bags					Safety Features						
			Side Air Bags					LATCH Locations	Power Windows w/Automatic Reversal	Push Down/Lift Up Power Window Switch	BTSI	Automatic Door Locks	Adjustable Upper Belt - Rear	Head Restraints - Rear
			Chest Air Bag	Head Air Bag	Head Air Bag - Rollover	SAB Out of Position (OOP) Tests	Air Bag On/Off Switch							
Ford	Transit Connect	4dr	SBs1	SB1		M		4,5	X	S	S	S		
Freightliner	Sprinter		OTs1	OC1					X	S	S	S		S
GMC	Acadia	4dr	STs1	SC3	Yes	M		4,6	S13	S	S	S	S	S
GMC	Canyon Crew Cab	4dr		SC2		M		4,6	X	S	S	O	S	S
GMC	Canyon Extended Cab	2dr		SC2	Yes	M		4,6	X	S	S	O		
GMC	Canyon Regular Cab	2dr		SC1	Yes	M			X	S	S	O		
GMC	Savana 1500 Cargo			SC1	Yes	M			X	S	S			
GMC	Savana 1500 Passenger			SC3	Yes	M		4,6,7,9	X	S	S			
GMC	Savana 2500 12 Passenger			SC3	Yes	M	S	4,6,7,9	X	S	S			
GMC	Savana 3500 12 Passenger			SC3	Yes	M	S	4,6,7,9	X	S	S			
GMC	Savana 3500 15 Passenger			SC3	Yes	M	S	4,6,7,9,10,12	X	S	S			
GMC	Sierra 1500 Crew Cab	4dr	STs1	SC2	Yes	M		4,6	Xwindow	S	S	S	S	S
GMC	Sierra 1500 Extended Cab	2dr	STs1	SC2	Yes	M		4,6	Xwindow	S	S	O	S	S
GMC	Sierra 1500 Hybrid	4dr	STs1	SC2	Yes	M		4,6	Xwindow	S	S	S	S	S
GMC	Sierra 1500 Regular Cab	2dr	STs1	SC1	Yes	M			Xwindow	S	S	O		
GMC	Sierra 2500 Crew Cab	4dr					S	4,6	Xwindow	S	S	O	S	S
GMC	Sierra 2500 Extended Cab	2dr					S	4,6	Xwindow	S	S	O	S	S
GMC	Sierra 2500 Regular Cab	2dr					S		Xwindow	S	S	O		
GMC	Sierra 3500 Crew Cab	4dr					S	4,6	Xwindow	S	S	O	S	S
GMC	Sierra 3500 Extended Cab	2dr					S	4,6	Xwindow	S	S	O	S	S
GMC	Sierra 3500 Regular Cab	2dr					S		Xwindow	S	S	O		
GMC	Terrain	4dr	STs1	SC2	Yes	M		4,6	Xwindow	S	S	S	S	S
GMC	Yukon	4dr	STs1	SC3	Yes	M		4,6 or 5,6	Xwindow	S	S	S	S	S
GMC	Yukon Hybrid	4dr		SC3	Yes	M		4,6 or 5,6	Xwindow	S	S	S	S	S
GMC	Yukon XL 1500	4dr	STs1	SC3	Yes	M		4,6 or 5,6	Xwindow	S	S	S	S	S
GMC	Yukon XL 2500	4dr	STs1	SC3	Yes	M		4,6 or 5,6	Xwindow	S	S	S	S	S
Honda	Accord	2dr	STPs1	SC2		M		4,6	S13LX1	S	S	S		S
Honda	Accord	4dr	STPs1	SC2		M		4,6	S13LX1	S	S	S		S
Honda	Accord Crosstour	4dr	STPs1	SC2	Yes	M		4,6	S13	S	S	S		
Honda	Civic	2dr	STPs1	SC2		M		4,6	O1XDX	S	S	S		S
Honda	Civic	4dr	STPs1	SC2		M		4,6	O1XDX	S	S	S		S
Honda	Civic CNG	4dr	STPs1	SC2		M		4,6	S1	S	S	S		S
Honda	Civic Hybrid	4dr	STPs1	SC2		M		4,6	S1	S	S	S		S
Honda	CR-V	4dr	STPs1	SC2	Yes	M		4,5,6	S1	S	S	S		S
Honda	Element	4dr	STs1	SC2	Yes	M		4,5,6	S1	S	S			S
Honda	FCX	4dr	STPs1	SC2		M		4,6	S1346	S	S	S		S
Honda	Fit	4dr	STs1	SC2		M		4,6	S1	S	S			S

Make	Model	Body Style	Air Bags					Safety Features						
			Side Air Bags					LATCH Locations	Power Windows w/Automatic Reversal	Push Down/Lift Up Power Window Switch	BTSI	Automatic Door Locks	Adjustable Upper Belt - Rear	Head Restraints - Rear
			Chest Air Bag	Head Air Bag	Head Air Bag - Rollover	SAB Out of Position (OOP) Tests	Air Bag On/Off Switch							
Honda	Insight	4dr	STs1	SC2		M		4,6	S1	S	S	S		
Honda	Odyssey	4dr	STs1	SC3	Yes	M		4,6,8	S1	S	S	S	S	S
Honda	Pilot	4dr	STPs1	SC3	Yes	M		4,5,6,9	S1	S	S	S	S	S
Honda	Ridgeline	4dr	STs1	SC2	Yes	M		4,5,9	S1	S	S	S		S
Hummer	H2 SUV	4dr		SC3	Yes	M	S	5,6 or 6,4	Xwindow	S	S	S	S	S
Hummer	H2 Pickup	4dr		SC2	Yes		S	5	Xwindow	S	S	S	S	S
Hummer	H3	4dr		SC2	Yes	M		4,6	Xwindow	S	S	S	S	S
Hummer	H3T	4dr		SC2	Yes	M		4,6	Xwindow	S	S	S	S	S
Hyundai	Accent	4dr	STs1	SC2		M		4,6	X	O	S			S
Hyundai	Accent Hatchback	3dr	STs1	SC2		M		4,6	X	O	S			S
Hyundai	Azera	4dr	STs2	SC2		M		4,6	S13	S	S	S		S
Hyundai	Elantra	4dr	STs1	SC2		M		4,6	O1	S	S	D		S
Hyundai	Elantra Touring	4dr	STs1	SC2		M		4,6	O1346	S	S	D		S
Hyundai	Entourage	4dr	STs1	SC3		M		4,6,7,9	X	S	S		S	S
Hyundai	Genesis	4dr	STs2	SC2		M		4,6	S13	S	S	S		S
Hyundai	Genesis Coupe	2dr	STs1	SC1		M		4,6	S13	S	S	S		S
Hyundai	Santa Fe	4dr	STPs1	SC2	Yes	M		4,6	S1	S	S	O		S
Hyundai	Sonata	4dr	STs1	SC2		M		4,6	S1	S	S	O		S
Hyundai	Tucson	4dr	STs1	SC2	Yes	M		4,6	O1	S	S	O		S
Hyundai	Veracruz	4dr	STs1	SC3		M		4,6	S1	S	S	S		S
Infiniti	EX35 Wagon	4dr	STPs1	SC2		M		4,6	S13	S	S	S		S
Infiniti	EX35/50	4dr	STPs1	SC2	Yes	M		4,6	S13O46	S	S	S		S
Infiniti	G37	2dr	STPs1	SC2		M		4,6	S13	S	S	S		S
Infiniti	G37	4dr	STPs1	SC2		M		4,6	S13O46	S	S	S		S
Infiniti	G37	Conv	STPs1	SCD1		M		4,6	S13	S	S	S		
Infiniti	M35/45	4dr	STPs1	SC2		M		4,6	S1346	S	S	S		S
Infiniti	QX56	4dr	STs1	SC3	Yes	M		4,6	S1346	S	S	S	S2	S
Jaguar	XF	4dr	STPs1	SC2		M		4,6	S1346	S	S	S		S
Jaguar	XJ	4dr	STPs1	SC2				4,6	S1346	S	S	S		S
Jaguar	XK	2dr	SBS1	SB1		M		4,6	S13	S	S	S		
Jaguar	XK	Conv	SBS1	SB1		M		4,6	S13	S	S	S		
Jeep	Commander	4dr		SC2/3	Yes	M		4,5,6	S13	S	S	S		S
Jeep	Compass	4dr	OTs1	SC2	Yes	M		4,6 or 5	Xwindow	S	S	O		S
Jeep	Grand Cherokee	4dr		SC2	Yes	M		4,6 or 5	S13	S	S	S		S
Jeep	Liberty	4dr		SC2	Yes	M		4,6, or 5	O1	S	S	S		S
Jeep	Patriot	4dr	OTs1	SC2	Yes	M		4,6, or 5	Xwindow	S	S	O		S
Jeep	Wrangler	2dr	OBS1	OB1		M		4,6	X		S	O		S

Make	Model	Body Style	Air Bags					Safety Features						
			Side Air Bags				Air Bag On/Off Switch	LATCH Locations	Power Windows w/Automatic Reversal	Push Down/Lift Up Power Window Switch	BTSI	Automatic Door Locks	Adjustable Upper Belt - Rear	Head Restraints - Rear
			Chest Air Bag	Head Air Bag	Head Air Bag - Rollover	SAB Out of Position (OOP) Tests								
Jeep	Wrangler Unlimited	4dr	OBS1	OB1		M		4,6, or 5	X		S	O		S
Kia	Borrego A3.8	4dr	STs1	SC3	Yes	M		4,6	O1	S	S	S		S
Kia	Borrego T4.6	4dr	STs1	SC3	Yes	M		4,6	O1	S	S	S		
Kia	Forte	2dr	STs1	SC2		M		4,6	X	O	S	S		
Kia	Forte	4dr	STs1	SC2		M		4,6	X	O	S	S		
Kia	Optima	4dr	STs1	SC2		M		4,6	O1	S	S	O		S
Kia	Rio	4dr	STs1	SC2		M		4,6	X	O	S			S
Kia	Rio	5dr	STs1	SC2		M		4,6	X	O	S			S
Kia	Rondo	4dr	STs1	SC2/3		M		4,6	X	S	S			S
Kia	Sedona SWB		STs1	SC3		M		4,6,7	X	S	S		S	S
Kia	Sedona LWB		STs1	SC3		M		4,6,9	X	S	S		S	S
Kia	Soul	4dr	STs1	SC2		M		4,6	X	S	S			S
Kia	Sportage	4dr	STs1	SC2		M		4,6	X	S	S			S
Land Rover	LR2	4dr	STPs1	SC2	Yes	M		4,6	S1346	S	S	S		S
Land Rover	LR4	4dr	STPs1	SC2/3	Yes	M		4,6	S1346	S	S	S		S
Land Rover	Range Rover	4dr	STPs1	SC2	Yes	M		4,6	S1346	S	S	S	S	S
Land Rover	Range Rover Sport	4dr	STPs1	SC2	Yes	M		4,6	S1346	S	S	S		S
Lexus	ES350	4dr	STs2	SC2		M	D	4,6	S1346	S	S	S		S
Lexus	GS350/460	4dr	STs1/OTs2	SC2		M	D	4,6	S1346	S	S	S		S
Lexus	GS450h Hybrid	4dr	STs1/OTs2	SC2		M	D	4,6	S1346	S	S	S		S
Lexus	GX460	4dr	STs1/OTs2	SC2/3	Yes		D	4,6	S1346	S	S	S	S	S
Lexus	HS250h Hybrid	4dr	STs2	SC2		M	D	4,6	S1346	S	S	S		S
Lexus	IS F	4dr	STs1	SC2		M	D	4,6	S1346	S	S	S		S
Lexus	IS250/350	4dr	STs1	SC2		M	D	4,6	S1346	S	S	S		S
Lexus	IS250C/350C	Conv	SBs1	SB1		M	D	4,6	S13	S	S	S		
Lexus	LS460/460L	4dr	STs1/OTs2	SC2		M	D	4,6	S1346	S	S	S		S
Lexus	LS600hL Hybrid	4dr	STs1/OTs2	SC2		M	D	4,6	S1346	S	S	S		S
Lexus	LX570	4dr	STs1	SC3		M	D	4,6	S1346	S	S	S	S	S
Lexus	RX350	4dr	STPs1/STs2	SC2	Yes	M	D	4,6	S1346	S	S	S		S
Lexus	RX450h Hybrid	4dr	STPs1/STs2	SC2	Yes	M	D	4,6	S1346	S	S	S		S
Lexus	SC430	Conv	STs1			M	D	4,6	S13	S	S	S		S
Lincoln	MKS	4dr	STs1	SC2		M		4,5,6**	S1346	S	S	S		S
Lincoln	MKT	4dr	STs1	SC3		M		4,6,9*	S1346	S	S	S		S
Lincoln	MKX	4dr	STs1	SC2	Yes	M		4,6*	S13	S	S	S		S
Lincoln	MKZ	4dr	STs1	SC2		M		4,6*	S13	S	S	S		S
Lincoln	Navigator	4dr	STs1	SC3	Yes	M		7pass: 4,6; 8pass: 4,5,6	S13	S	S	S		S

Make	Model	Body Style	Air Bags					Safety Features						
			Side Air Bags				Air Bag On/Off Switch	LATCH Locations	Power Windows w/Automatic Reversal	Push Down/Lift Up Power Window Switch	BTSI	Automatic Door Locks	Adjustable Upper Belt - Rear	Head Restraints - Rear
			Chest Air Bag	Head Air Bag	Head Air Bag - Rollover	SAB Out of Position (OOP) Tests								
Lincoln	Navigator Extended	4dr	STs1	SC3		M		7pass: 4,6; 8pass: 4,5,6	S13	S	S	S		S
Lincoln	Town Car	4dr	SBs1	SB1		M		4,6*	S1	S	S	S		
Mazda	CX-7	5dr	STs1	SC2	Yes	M		4,6	S13	S	S			S
Mazda	CX-9	5dr	STs1	SC3	Yes	M		4,6	S13	S	S			S
Mazda	Mazda3	4dr	STs1	SC2		M		4,6	S1	S	S			S
Mazda	Mazda3	5dr	STs1	SC2		M		4,6	S1	S	S			S
Mazda	Mazda5	5dr	STs1	SC3		M		4,6	S1	S	S			S
Mazda	Mazda6	4dr	STs1	SC2		M		4,6	S13	S	S			S
Mazda	MX-5/ Miata	Conv	SBs1	SB1		M	S		X	S	S			
Mazda	RX-8	4dr	STs1	SC2		M		4,6	S13	S	S			
Mazda	Tribute	4dr	STs1	SC2	Yes	M		4,6	X	S	S	S		S
Mazda	Tribute Hybrid	4dr	STs1	SC2	Yes	M		4,6	X	S	S	S		S
Mercedes-Benz	C-Class	4dr	SPS1/STs1/OTs2	SC2		M		4,6	S1346	S	S	S		S
Mercedes-Benz	CL-Class	2dr	STs2	SC2	Yes	M		4,6	S1346	S	S	S		S
Mercedes-Benz	CLS-Class	4dr	STs2	SC2	Yes	M		4,6	S1346	S	S	S		S
Mercedes-Benz	E-Class	2dr	SPS1/STs1	SC2				4,6	S1346	S	S	S		S
Mercedes-Benz	E-Class	4dr	SPS1/STs1/OTs2	SC2	Yes	M		4,6	S1346	S	S	S	S	S
Mercedes-Benz	G-Class	4dr		SC2		M		4,6	S1346	S	S	S	S	S
Mercedes-Benz	GL-Class	4dr	STs2	SC3	Yes	M		4,6,7,9	S1346	S	S	S		S
Mercedes-Benz	GLK-Class	4dr	STs1	SC2	Yes	M		4,6	S1346	S	S	S		S
Mercedes-Benz	Maybach	4dr	STs2	SC2	Yes			4,6	S1346	S	S	S	S	S
Mercedes-Benz	ML-Class	4dr	STs2	SC2	Yes	M		4,6	S1346	S	S	S		S
Mercedes-Benz	ML-Class Hybrid	4dr	STs2	SC2	Yes	M		4,6	S1346	S	S	S		S
Mercedes-Benz	R-Class	4dr	STs2	SC3	Yes	M		4,6,7,9	S1346	S	S	S		S
Mercedes-Benz	S-Class	4dr	STs2	SC2	Yes	M		4,6	S1346	S	S	S	S	S
Mercedes-Benz	SL-Class	Conv	SBD1	SB1					S13	S	S	S		
Mercedes-Benz	SLK-Class	Conv	SBs1	SB1		M			S13	S	S	S		
Mercury	Grand Marquis	4dr	SBs1	SB1		M		4,6*	X	S	S	S		
Mercury	Mariner	4dr	STs1	SC2	Yes	M		4,6*	X	S	S	S		S
Mercury	Mariner Hybrid	4dr	STs1	SC2	Yes	M		4,6*	X	S	S	S		S
Mercury	Milan	4dr	STs1	SC2		M		4,6*	S1	S	S	S		S
Mercury	Milan Hybrid	4dr	STs1	SC2		M		4,6*	S1	S	S	S		S
Mercury	Mountaineer	4dr	STs1	SC2	Yes	M		4,6*	O1	S	S	S		S
MINI	Clubman	2dr	STs1	SC2		M		4,6	Xwindow	S	S	S		S
MINI	Clubman S	2dr	STs1	SC2		M		4,6	Xwindow	S	S	S		S

Make	Model	Body Style	Air Bags					Safety Features						
			Side Air Bags					LATCH Locations	Power Windows w/Automatic Reversal	Push Down/Lift Up Power Window Switch	BTSI	Automatic Door Locks	Adjustable Upper Belt - Rear	Head Restraints - Rear
			Chest Air Bag	Head Air Bag	Head Air Bag - Rollover	SAB Out of Position (OOP) Tests	Air Bag On/Off Switch							
MINI	Clubman S John Cooper Works	2dr	STs1	SC2		M		4,6	Xwindow	S	S	S		S
MINI	Cooper	2dr	STs1	SC2		M		4,6	Xwindow	S	S	S		S
MINI	Cooper	Conv	SBs1	SB1		M		4,6***	X	S	S	S		S
MINI	Cooper S	2dr	STs1	SC2		M		4,6	Xwindow	S	S	S		S
MINI	Cooper S	Conv	SBs1	SB1		M		4,6***	X	S	S	S		S
MINI	John Cooper Works	2dr	STs1	SC2		M		4,6	Xwindow	S	S	S		S
MINI	John Cooper Works	Conv	SBs1	SB1		M		4,6***	X	S	S	S		S
Mitsubishi	Eclipse Hatchback	3dr	STs1	SC1		M		4,6	X	S	S			
Mitsubishi	Eclipse Spyder	Conv	SBs1	SB1					X	S	S			
Mitsubishi	Endeavor	5dr	STs1	SC2	Yes	M		4,6	Xwindow	S	S			S
Mitsubishi	Galant	4dr	STs1	SC2		M		4,6	X	S	S			S
Mitsubishi	Lancer	4dr	STs1	SC2		M		4,6	S1	S	S			S
Mitsubishi	Lancer Evolution	4dr	STs1	SC2		M		4,6	S1	S	S			S
Mitsubishi	Lancer Sportback Hatchback	5dr	STs1	SC2		M		4,6	S1	S	S			S
Mitsubishi	Outlander	5dr	STs1	SC2	Yes	M		4,6	S1	S	S			S
Mitsubishi	Raider Club	2dr		OC2		M	S		X	S	S	S		
Mitsubishi	Raider Quad	4dr		OC2		M			X	S	S	S		S
Nissan	370Z	2dr	STPs1	SC1		M			S13	S	S	S		
Nissan	370Z Roadster	Conv	STPs1	SCD1		M			S13	S	S	S		
Nissan	Altima	2dr	STPs1	SC2		M		4,6	S13	S	S	S		S
Nissan	Altima	4dr	STPs1	SC2		M		4,6	S103	S	S	S		S
Nissan	Altima Hybrid	4dr	STPs1	SC2		M		4,6	S103	S	S	S		S
Nissan	Armada	4dr	STs1	SC3	Yes	M		4,6	S13	S	S	S	S2	S
Nissan	Cube	4dr	STPs1	SC2		M		4,6	S1	S	S	S		S
Nissan	Frontier Crew Cab	4dr	STPs1/c/ STs1x	SC2	Yes	M		4,6	X	S	S	S		S
Nissan	Frontier King Cab	2dr	STPsc/STs1x	SC2	Yes	M			X	S	S	S		S
Nissan	GT-R	2dr	STs1	SC1		M		4,6	S13	S	S	S		
Nissan	Maxima	4dr	STPs1	SC2		M		4,6	S13O46	S	S	S		S
Nissan	Murano	4dr	STPs1	SC2	Yes	M		4,6	S13	S	S	S	S	S
Nissan	Pathfinder	4dr	STPs1/c/ STs1x	SC3	Yes	M		4,6	S13	S	S	S	S2	S
Nissan	Rogue	4dr	STPs1/c/ STs1x	SC2	Yes	M		4,6	O1	S	S	S	S	S
Nissan	Sentra	4dr	STPs1	SC2		M		4,6	S13	S	S	S		S
Nissan	Titan Crew Cab	4dr	STs1	SC2	Yes	M		4,6	S13	S	S	S		S
Nissan	Titan King Cab	2dr	STs1	SC2	Yes	M		4,6	O13	S	S	S		S
Nissan	Versa	4dr	STs1	SC2		M		4,6	S1	S	S	S		S

Make	Model	Body Style	Air Bags					Safety Features						
			Side Air Bags					LATCH Locations	Power Windows w/Automatic Reversal	Push Down/Lift Up Power Window Switch	BTSI	Automatic Door Locks	Adjustable Upper Belt - Rear	Head Restraints - Rear
			Chest Air Bag	Head Air Bag	Head Air Bag - Rollover	SAB Out of Position (OOP) Tests	Air Bag On/Off Switch							
Nissan	Versa Hatchback	5dr	STs1	SC2		M		4,6	S1	S	S	S		S
Nissan	Xterra	4dr	STPs1/c/ STs1x	SC2	Yes	M		4,6	X	S	S	S	S	S
Pontiac	G6	4dr	STs1	SC2		M		4,5,6	X	S	S	S	S	
Pontiac	Vibe	4dr	STs1	SC2		M		4,6	X	S	S	S		S
Porsche	911 Carrera	2dr	STd1	SB1		M	O		S13	S	S	S		
Porsche	911 Carrera 4	2dr	STd1	SB1		M	O		S13	S	S	S		
Porsche	911 Carrera 4 Cabriolet	Conv	STd1	SB1		M	O		S1346	S	S	S		
Porsche	911 Carrera Cabriolet	Conv	STd1	SB1		M	O		S1346	S	S	S		
Porsche	911 GT3	2dr	STd1	SB1		M	O		S13	S	S	S		
Porsche	911 Targa	2dr	STd1	SB1		M	O		S13	S	S	S		
Porsche	911 Turbo	2dr	STd1	SB1		M	O		S13	S	S	S		
Porsche	911 Turbo Cabriolet	Conv	STd1	SB1		M	O		S1346	S	S	S		
Porsche	Boxster	Conv	STd1	SB1		M	O		S13	S	S	S		
Porsche	Cayenne	4dr	STs1	SC2	Yes	M		4,5,6	S1346	S	S	S	S	S
Porsche	Cayman	2dr	STd1	SB1		M	O		S13	S	S	S		
Porsche	Panamera	4dr	STs2	SC2	Yes	M	O	4,6	S1346	S	S	S		
Saab	9-3	4dr	STs1	SC2		M		4,6	S13	S	S	S		S
Saab	9-3	Conv	SBs1	SB1		M		4,6	S13	S	S	S		S
Saab	9-3 Wagon	4dr	STs1	SC2		M		4,6	S13	S	S	S		S
Saab	9-5	4dr	STs1	SC2				4,6	S13	S	S	S	S	S
Saturn	Aura	4dr	STs1	SC2		M		4,5,6	S13	S	S	S	S	
Saturn	Outlook	4dr	STs1	SC3	Yes	M		4,6	S13	S	S	S	S	S
Saturn	VUE	4dr	STs1	SC2	Yes	M		4,6	Xwindow	S	S	S	S	S
Smart	Fortwo	2dr	SBs1	SB1		M		3	S13	S	S	S		
Smart	Fortwo	Conv	SBs1	SB1		M		3	S13	S	S	S		
Subaru	Forester	4dr	STs1	SC2	Yes	M		4,6	X	S	S			S
Subaru	Impreza	4dr	STs1	SC2		M		4,6	X	S	S			S
Subaru	Impreza Wagon	4dr	STs1	SC2		M		4,6	X	S	S			S
Subaru	Legacy	4dr	STs1	SC2		M		4,6	S1	S	S			S
Subaru	Outback	4dr	STs1	SC2	Yes	M		4,6	S1	S	S			S
Subaru	Tribeca	4dr	STs1	SC2	Yes	M		4,6	X	S	S		S	S
Suzuki	Equator Crew Cab	4dr	STPs1/c/ STs1x	SC2	Yes	M		4,6	X	S	S	S		S
Suzuki	Equator King Cab	2dr	STPsc/STs1x	SC2	Yes	M			X	S	S	S		S
Suzuki	Grand Vitara	4dr	STs1	SC2	Yes	M		4,6	X	S	S			S
Suzuki	Kizashi	4dr	ST2	SC2		M		4,6	S13	S	S			S
Suzuki	SX4	4dr	STs1	SC2		M		4,6	X	S	S			S

Make	Model	Body Style	Air Bags					Safety Features							
			Side Air Bags					LATCH Locations	Power Windows w/Automatic Reversal	Push Down/Lift Up Power Window Switch	BTSI	Automatic Door Locks	Adjustable Upper Belt - Rear	Head Restraints - Rear	
			Chest Air Bag	Head Air Bag	Head Air Bag - Rollover	SAB Out of Position (OOP) Tests	Air Bag On/Off Switch								
Toyota	4Runner	4dr	STs1	SC2/3	Yes		D	4,6	S1346	S	S	S		S	
Toyota	Avalon	4dr	STs1	SC2		M	D	4,6	S1346	S	S	S		S	
Toyota	Camry	4dr	STs1	SC2		M	D	4,6	S1346	S	S	S		S	
Toyota	Camry Hybrid	4dr	STs1	SC2		M	D	4,6	S1346	S	S	S		S	
Toyota	Corolla	4dr	STs1	SC2		M	D	4,6	Xwindow	S	S	O		S	
Toyota	FJ Cruiser	4dr	STs1	SC2	Yes	M	D	4,6	X	S	S			S	
Toyota	Highlander	4dr	STs1	SC3	Yes	M	D	4,6	S1	S	S	S		S	
Toyota	Highlander Hybrid	4dr	STs1	SC3	Yes	M	D	4,6	S1	S	S	S		S	
Toyota	Landcruiser	4dr	STs1	SC3	Yes	M	D	4,6	S1346	S	S	S	S	S	
Toyota	Matrix	4dr	STs1	SC2		M	D	4,6	Xwindow	S	S	O		S	
Toyota	Prius	4dr	STs1	SC2		M	D	4,6	S1346	S	S	O		S	
Toyota	Prius Plug-in	4dr	STs1	SC2		M	D	4,6	S1	S	S	O		S	
Toyota	RAV4	4dr	STs1	SC2	Yes	M	D	4,6	S1	S	S			S	
Toyota	Scion tC	2dr	STs1	SC2		M	D	4,6	S13	S	S			S	
Toyota	Scion xB	4dr	STs1	SC2		M	D	4,6	X	S	S	S		S	
Toyota	Scion xD	4dr	STs1	SC2		M	D	4,6	X	S	S			S	
Toyota	Sequoia	4dr	STs1	SC3	Yes	M	D	4,5,6	S13	S	S	S	S	S	
Toyota	Sienna		STs1	SC3		M	D	4,6,8,9 or 4,5,6,8,9	S1	S	S	S	S	S	
Toyota	Tacoma Access Cab	2dr	STs1	SC2	Yes	M	S	3,4	X	S	S				
Toyota	Tacoma Crew Cab	4dr	STs1	SC2	Yes	M	D	4,6	X	S	S			S	
Toyota	Tacoma Regular Cab	2dr	STs1	SC1	Yes	M	D		X		S			S	
Toyota	Tundra Crew Cab	4dr	STs1	SC2	Yes	M	D	4,6	Xwindow	S	S	S	S		
Toyota	Tundra Double Cab	2dr	STs1	SC2	Yes	M	S	4,6	X	S	S	S			
Toyota	Tundra Regular Cab	2dr	STs1	SC1	Yes	M	D		X	S	S	O			
Toyota	Venza	4dr	STs1	SC2		M	D	4,6	S1346	S	S	S		S	
Toyota	Yaris	4dr	STs1	SC2		M	D	4,6	X	S	S			S	
Toyota	Yaris Liftback	2dr	STs1	SC2		M	D	4,6	X	S	S			S	
Toyota	Yaris Liftback	5dr	STs1	SC2		M	D	4,6	X	S	S			S	
Volkswagen	CC	4dr	STs1/OTs2	SC2		M		4,6	S1346	S	S	S		S	
Volkswagen	Eos	Conv	SBs1	SB1		M			S1346	S	S	S		S	
Volkswagen	Golf	2dr	STs1	SC2		M		4,6	S1346	S	S	S		S	
Volkswagen	Golf	4dr	STs1/OTs2	SC2		M		4,6	S1346	S	S	S		S	
Volkswagen	GTI	2dr	STs1	SC2		M		4,6	S1346	S	S	S		S	
Volkswagen	GTI	4dr	STs1/OTs2	SC2		M		4,6	S1346	S	S	S		S	
Volkswagen	Jetta	4dr	STs1/OTs2	SC2		M		4,6	S1346	S	S	S		S	
Volkswagen	Jetta Sportwagen	4dr	STs1/OTs2	SC2		M		4,6	S1346	S	S	S		S	

Make	Model	Body Style	Air Bags					Safety Features						
			Side Air Bags					LATCH Locations	Power Windows w/Automatic Reversal	Push Down/Lift Up Power Window Switch	BTSI	Automatic Door Locks	Adjustable Upper Belt - Rear	Head Restraints - Rear
			Chest Air Bag	Head Air Bag	Head Air Bag - Rollover	SAB Out of Position (OOP) Tests	Air Bag On/Off Switch							
Volkswagen	New Beetle	2dr	SBS1	SB1		M		4,6	S13	S		S		S
Volkswagen	New Beetle	Conv	SBS1	SB1		M			S1346	S		S		S
Volkswagen	Passat	4dr	STs1/OTs2	SC2		M		4,6	S1346	S	S	S		S
Volkswagen	Passat Wagon	4dr	STs1/OTs2	SC2		M		4,6	S1346	S	S	S		S
Volkswagen	Routan			SC3	Yes	M		4,6,8	S1	S	S	S	S	S
Volkswagen	Tiguan	4dr	STs1/OTs2	SC2	Yes	M		4,6	S1346	S	S	S		S
Volkswagen	Touareg 2	4dr	STs1	SC2	Yes	M		4,6	S1346	S	S	S	S	S
Volvo	C30	2dr	STs1	SC2		M		4,6	S13	S	S	S		S
Volvo	C70	Conv	STs1	SC1	Yes	M		4,6	S13	S	S	S		S
Volvo	S40	4dr	STs1	SC2		M		4,6	S1346	S	S	S		S
Volvo	S80	4dr	STs1	SC2		M		4,6	S1346	S	S	S		S
Volvo	V50	4dr	STs1	SC2		M		4,6	S1346	S	S	S		S
Volvo	V70	4dr	STs1	SC2		M		4,6	S1346	S	S	S		S
Volvo	XC60	4dr	STs1	SC2	Yes	M		4,6	S1346	S	S	S		S
Volvo	XC70	4dr	STs1	SC2		M		4,6	S1346	S	S	S		S
Volvo	XC90	4dr	STs1	SC3	Yes	M		4,6	S1346	S	S	S		S

Key

Code Definition

S	Standard Equipment
O	Optional Equipment
D	Dealer Installed Option
M	Meets Requirements
B	Combo Air Bag for Head and Chest Protection
C	Curtain Air Bag for Head Protection
T	Torso Air Bag for Chest Protection
U	Tube Air Bag for Head Protection
P	Air Bag for Pelvis Protection
s	Seat-Mounted (Air Bag)
d	Door-Mounted (Air Bag)
r	Head Air Bag Also Deploys As Rollover Air Bag
e	Push Down/Lift Up Switch

Code Definition

n	Anti-Pinch
c	For Driver Only
1	Row 1
1x	Row 1 Passenger Only
2	Rows 1 and 2
2x	Rows 1 and if applicable 2
3	Rows 1, 2, and 3
3x	Rows 1, 2, and if applicable 3
X	Not Available

Seating Positions: 1 =driver, 3 = 1st row right, 4 = 2nd row left 5 = 2nd row middle 6 = 2nd row right 7= 3rd row left, 8 = 3rd row middle, 9=3rd row right,10=4th row left 11= 4th row middle, 12=4th row right

CHILD SAFETY SEATS AND BOOSTER SEATS

If you have children and are shopping for a family car, you'll want to first check to see that your child safety or booster seats are compatible with the vehicle. Review the following compatibility information, ease-of-use ratings, and child safety and booster seat usage chart to make sure your new vehicle and safety seat will work together properly to protect your child in the event of a crash.

Vehicle Compatibility Considerations

Not all child safety seats can be installed in all vehicles and in all seating positions. With so many models of child safety seats, more than 300 models of passenger vehicles, and the wide range of seat types and belt systems available today, correctly installing a child safety seat can be a challenge. See page 3 for information on LATCH.

Vehicle design factors that can affect child safety seat placement include: two-door vehicles, small rear seats, deep bucket seats, the slope and contour of the rear seat, splits in bench seats, forward-anchored belts, and pickup truck jump seats/extended cabs. (Note: side-facing jump seats are unsafe for a child safety seat under all circumstances.)

To ensure your child safety seat is compatible with a vehicle you are looking to purchase, NHTSA recommends you test the fit of your child safety seat in the vehicle before you buy. If the vehicle proves incompatible with your existing seat, you can either select another vehicle that is compatible — or purchase and install a new child safety seat that fits well in your vehicle.

You'll find child safety seat installation instructions in your child safety seat manual and in your vehicle owner's manual. Once you have installed the seat, test the fit by firmly pulling at the base of the child seat, at the seat belt path, from side to side and forward. A properly installed seat should not move more than one inch in any direction. You can have a technician check the seat by visiting a local child safety seat inspection station. To find a location near you, go to www.nhtsa.dot.gov/cps/cpsfitting or call the DOT Vehicle Safety Hotline at 888-327-4236, or call 866-SEATCHECK.

Ease-of-Use Ratings

A child safety or booster seat that's installed and used properly will better protect your child in the event of a crash. That's why NHTSA developed a new rating system that allows you to evaluate how easy certain child safety seat features are to use before you buy a seat. Seats are rated for ease of use on a scale of one to five stars (five being excellent, which is the highest rating). It's important to remember that these star ratings are not safety ratings. All child restraints are required to meet Federal safety standards. Instead, the new ratings are based on several ease-of-use factors, including:

- Evaluation of Instructions
- Vehicle Installation Features
- Evaluation of Labels
- Securing the Child

Visit www.nhtsa.gov and click on Child Safety Seat Usage Ratings, or go directly to www.nhtsa.dot.gov/CPS/CSSRating/Index.cfm to find updated ease-of-use ratings for both child safety seats and booster seats.



KEEPING KIDS SAFE: INSIDE & OUT

The dangers of leaving a child unattended in or near a vehicle are widely misunderstood and underestimated. Children are free-spirited and move very quickly. Since they are small, they are harder to see. If left alone — sometimes even for mere seconds — a child could:

- Start the car, or put it in neutral, and cause a crash, resulting in injuries or death;
- Die of heat stroke, exposure to cold, or carbon monoxide poisoning;
- Become trapped in your vehicle's trunk and die of heat stroke or suffocation;
- Get hit or run over by another vehicle while inside or out of your car; or
- Be killed or seriously injured by a driver who may not be aware of or see a child when backing out of a parking space or driveway.

Beyond Safety Technologies and Equipment

Vehicle safety technologies and proper child restraints can go a long way towards helping to keep child passengers safe. However, these are no replacement for careful monitoring by a parent or adult caregiver whenever a child is inside or even near a vehicle. To keep children safe from danger, never allow them access to your car keys or a remote locking/unlocking device and never leave them unattended in a vehicle.

Bottom line: keep children outside of your vehicle and away from any vehicle unless you are there to watch them!

For more information on ensuring child safety both inside and outside of vehicles, please visit <http://www.nhtsa.gov/KeepingKidsSafe>

FREQUENTLY ASKED QUESTIONS

- Q. Why is the rear seat the safest place for my child?**
- A.** NHTSA estimates that children are 26 percent less likely to be fatally injured in a crash if seated in the rear seat of a passenger vehicle. In addition, to help prevent frontal air-bag-related injuries and deaths, children under age 13 — and especially infants in rear-facing child safety seats — should not ride in the front seat. Your child, and all child passengers under age 13, should be properly restrained for their age, weight and size — and ride in the rear seat of your vehicle.
- Q. What if I have no choice but to place a child under 13 in the front seat?**
- A.** There may be occasions when a parent or caregiver has no other option than to place a child in the front seat, for example:
- In a pickup truck with insufficient or no available rear seat, or
 - If a parent is transporting too many children for all to ride in the rear seat, or
 - When transporting a child with a medical condition that requires monitoring and another adult is not available to monitor the child.

Infants in rear-facing child safety seats must never ride in the front seat of a vehicle with an active front

passenger air bag. However, if parents have no other option than to place a child, other than an infant in a rear-facing child safety seat, in a front passenger seating position, take these safety steps:

1. Ensure the child is properly restrained,
2. Move the vehicle seat as far back as possible,
3. Make sure the child is not leaning out of position, and
4. Set the air bag on-off switch, if available, to the OFF position.

When faced with having to choose which child other than an infant in a rear-facing child safety seat to place in front of an air bag in the front seat, select the child that can be most relied upon to remain in a proper seating position. This may not necessarily be the oldest child.

Remember: Infants in rear-facing child safety seats must NEVER ride in the front seat of a vehicle with an active front passenger air bag.

Q. How do I choose the most appropriate passenger restraint for my child?

A. Refer to the *Child Passenger Safety — A Parent's Primer* on page 23 of this booklet to learn how the NHTSA "4 Steps for Kids" guidelines can help you choose the child restraint system that is appropriate for the age, size, and weight of your child.

Q. When should a child use a booster seat?

A. All children who have outgrown child safety seats should be properly restrained in booster seats until seat belts fit them properly. This generally occurs when a child reaches the age of 8, or reaches a height of 4'9". When used correctly, booster seats

can help prevent injury to older children by making adult-sized seat belts fit properly. The adult lap and shoulder belt should fit the child snugly, with the lap belt lying flat across the upper thigh area, and the shoulder belt crossing the chest, resting against the middle of the child's shoulder.

Q. What could happen if my child doesn't use a booster seat?

A. Without a booster seat:

- The lap belt can ride up over the child's stomach and cause serious internal injuries in a crash.
- The shoulder belts may be uncomfortably high, leading to misuse if children put the seat belts behind their backs or under their arms. These misuses can cause very serious internal injuries or result in the child's head striking the vehicle interior

Regardless of weight or height, all children under 13 should be properly restrained in the rear seat. Always read the child safety seat or booster seat manufacturer's instructions, as well as the vehicle owner's manual, before installing a child safety seat.

Q. Will a vehicle's seat belt system meet the needs of my children?

A. Correct seat belt use for all vehicle occupants should be the rule in your vehicle. Children who have clearly outgrown child safety seats and booster seats should be able to fit the adult seat belt system correctly.

Read the vehicle owner's manual to be sure you understand how to use the seat belt correctly, and remember the following:

- The lap belt should fit low over the child's upper thighs when the child is sitting straight against the vehicle seat back. The child's knees should bend naturally and comfortably over the edge of the vehicle seat.
- The shoulder belt should stay on the shoulder and lie against the child's chest. Never put the shoulder belt under the arm or behind the child's back.
- A lap-only belt (without a shoulder belt) should be used to restrain a child only if no other seat belt system is available. If you must transport several children in a vehicle that has a lap-only belt in the middle rear seat, and one of the children is in a rear-facing or a convertible/toddler child safety seat, follow these guidelines:
 - Have the older children use the lap and shoulder belts.
 - Put the child riding in a child safety seat in the middle.
 - Secure the child safety seat with the lap-only belt.

Q. Is it safe to use a child safety seat after it has been in a crash?

- A.** NHTSA recommends that child safety seats be replaced following a moderate or severe crash in order to ensure a continued high level of crash protection for child passengers. NHTSA recommends that child safety seats do not automatically need to be replaced following a minor crash. Minor crashes are those that meet ALL of the following criteria:

- The vehicle was able to be driven away from the crash site;
- The vehicle door nearest the safety seat was undamaged;
- There were no injuries to any of the vehicle occupants;
- The air bags (if present) did not deploy; AND
- There is no visible damage to the safety seat.

Q. Which vehicles have the Lower Anchors and Tethers for Children (LATCH) system?

- A.** Since September 2000, all new passenger vehicles (except most convertibles) have been equipped with the top tether anchors. All vehicles manufactured after September 1, 2002, are equipped with the lower anchors. Although convertible vehicles are exempt from tether anchor requirements, some manufacturers offer them as a safety enhancement. Check your owner's manual or contact the manufacturer to see if your older vehicle is equipped with tether anchors or has pre-drilled points where tether anchors can be installed. For more information on LATCH, see page 3 of this booklet.

Q. What if my vehicle is not LATCH-equipped?

- A.** Any child safety seat, even one with LATCH, can be installed using the vehicle seat belt and, if available, a top tether. Be sure to follow the vehicle owner's manual and child safety seat instructions.

**See Child Passenger Safety —
A Parent's Primer on page 23 of this booklet
to learn how the NHTSA
"4 Steps for Kids" guidelines can help you
choose and use the right child safety
seats or booster seats for your children.**

ADDITIONAL RESOURCES

To access additional information on child and vehicle safety, visit the National Highway Traffic Safety Administration Web site at www.nhtsa.gov. For specific information about vehicle safety technologies and to obtain updated Government crash test results, visit www.safercar.gov or call the DOT Vehicle Safety Hotline at 888-327-4236 (TDD 800-424-9153).

Looking for a Child Safety Seat Inspection Station? Visit www.nhtsa.dot.gov/cps/cpsfitting or call the DOT Vehicle Safety Hotline at 888-327-4236 (TDD 800-424-9153), or call 866-SEATCHECK.

Think Your Vehicle or Child Safety Seat Has a Safety Defect?

Visit

www.safercar.gov

Call

888-327-4236

Mail

NHTSA

Office of Defects Investigation

1200 New Jersey Avenue SE.

Washington, DC 20590

*All complaints are carefully reviewed by our team of safety experts.
We welcome your input.*