
GROUP 00

GENERAL

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HOW TO USE THIS MANUAL

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ABBREVIATIONS

The following abbreviations are used in this manual for classification of model types.

NOTE:

*MFI: Indicates the multiport fuel injection, or engines equipped with the multiport injection.

*A/T: Indicates the automatic transaxle, or models equipped with automatic transaxle.

*FWD: Indicates 2-wheel drive vehicles.

*AWD: Indicates 4-wheel drive vehicles.

*A/C: Indicates air conditioning.

*Keyless Operation System (KOS): Indicates the Free-hand Security Transmitter (F.A.S.T.-key)

TARGETS OF DEVELOPMENT

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The new OUTLANDER has an improved SUV appearance and cruising performance in any road conditions. This car has been developed as the new

generation of SUV proposed by Mitsubishi, aiming to be an all-round car for various applications from daily use to cruising and leisure use.

TECHNICAL FEATURES

EXTERIOR

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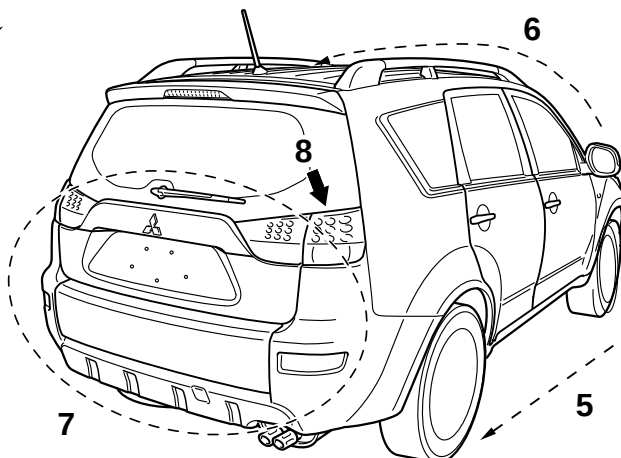
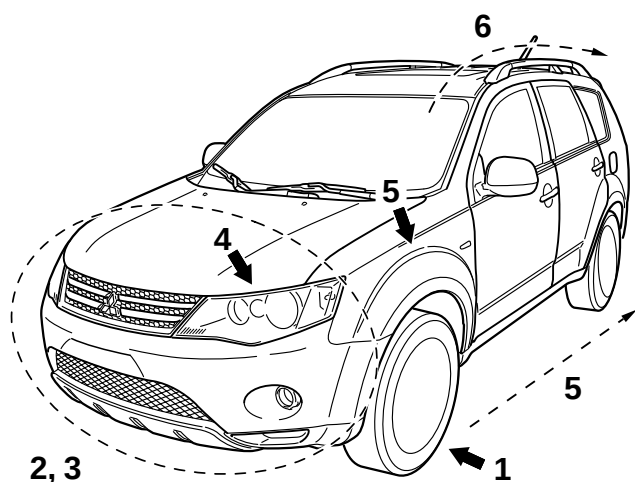
DESIGN FEATURES

*Fine athletic image of powerfulness and driving performance.

*Smart styling with high functionality and stylish exterior

*Representing feelings of refreshment with a highly refined styling

MAIN FEATURES



ZC5018290007

1. Good stance which combines wide tread with 18-inch tire <XLS model>
2. Progressive diamond-cut nose with neat corners
3. Aggressive and handsome face design with sharp styling
4. Headlights with mechanical styling emphasizing aggressiveness
5. Tough lower body with the overfender covering a large size tire, the undercover, and black underbody parts
6. Dynamic cabin which consists of the roof line with uplifting feeling and sharp window graphic
7. Stylish rear end which comfortably integrates the unique horizontally split upper/lower tailgates
8. Rear combination lights with a sense of integrity with the glass area, presenting a high-tech image

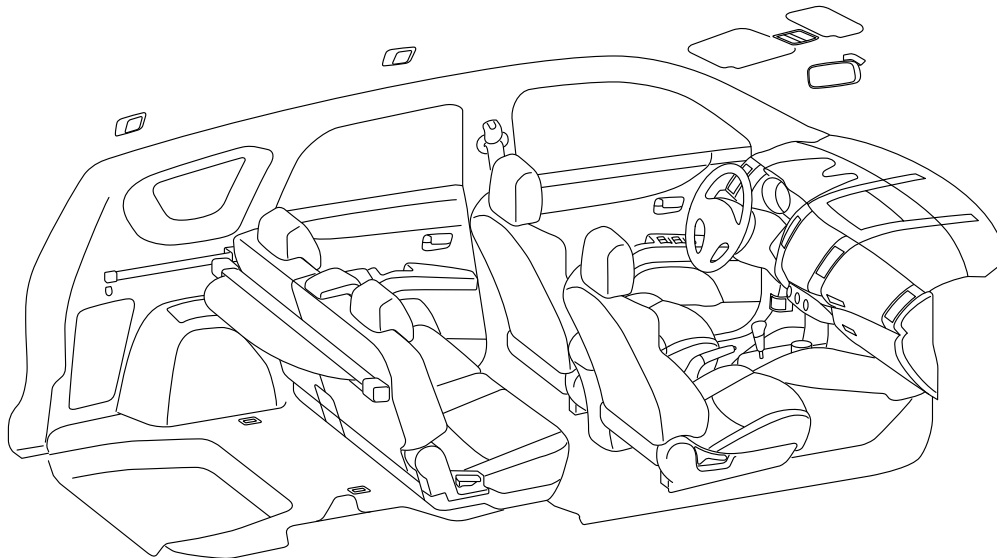
INTERIOR

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DESIGN PURPOSE

- Presenting well-trimmed interior space with a sporty feel
- Combining high functionality with stylish design
- Neat and carefully established details

MAIN FEATURES



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- Sporty and dynamic styled instrument panel with uplifting feeling
- Unique audio panel integrated in the instrument panel, representing high quality
- Door trim, floor console, and air outlet panel with powerful silver accent parts in the sculpturesque styling
- Drive mode selector dial in mechanical design
- Bucket-type front seats in sporty three dimensional shape
- Functional luggage area equipped with the tonneau cover, luggage hook, and utility bar

ENGINE

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The 6B31 engine has been developed to achieve high performance, better fuel economy, smaller size, and weight reduction.

TRANSAXLE

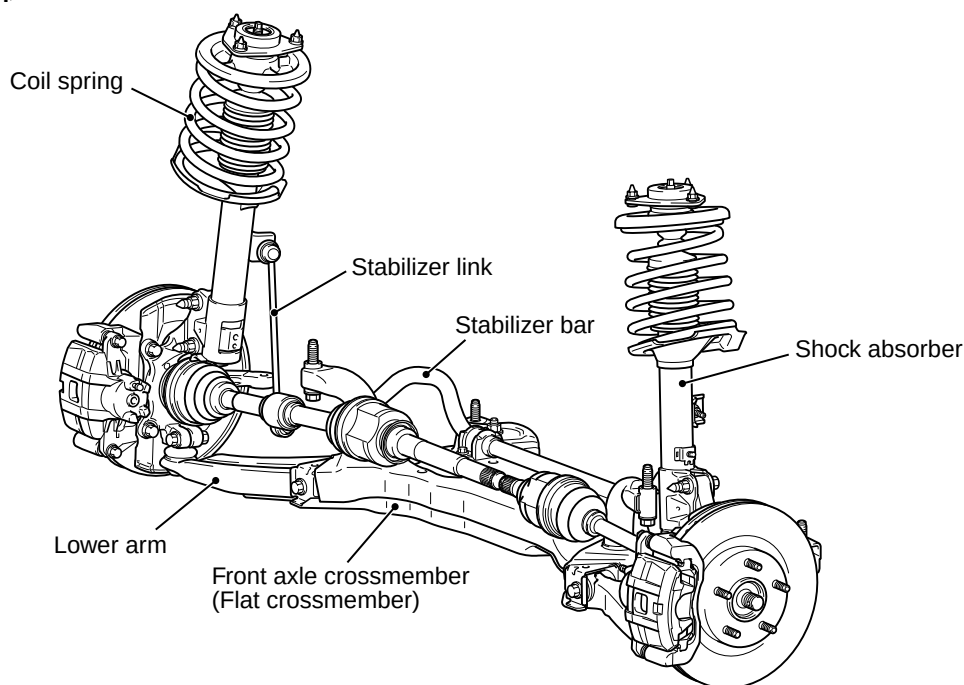
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The F6AJA-type <FWD> or the W6AJA-type <AWD> 6-speed sport mode automatic transaxle has been developed to achieve excellent fuel economy, further improved operation, and driving pleasure.

SUSPENSION

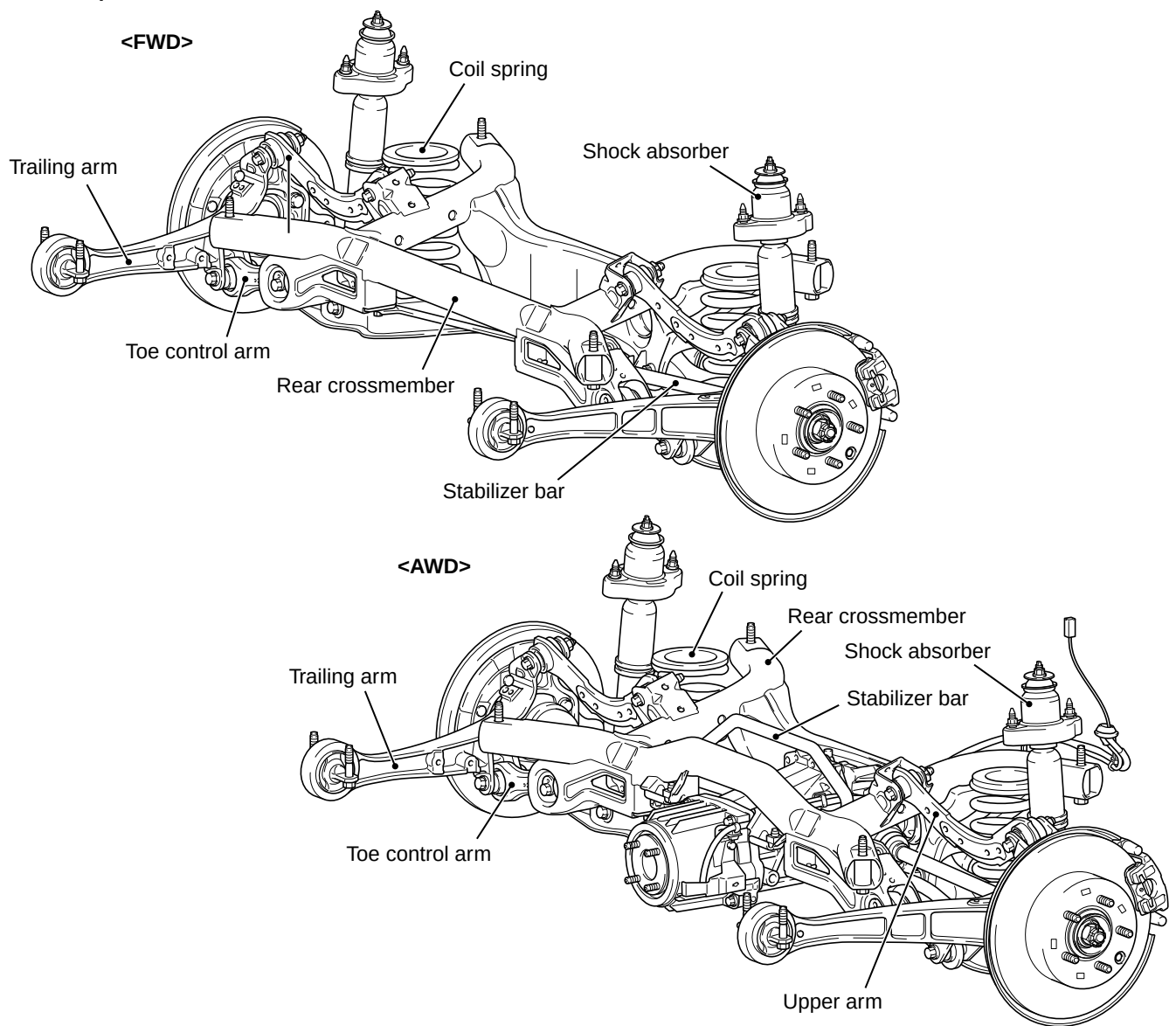
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<Front suspension>



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<Rear suspension>

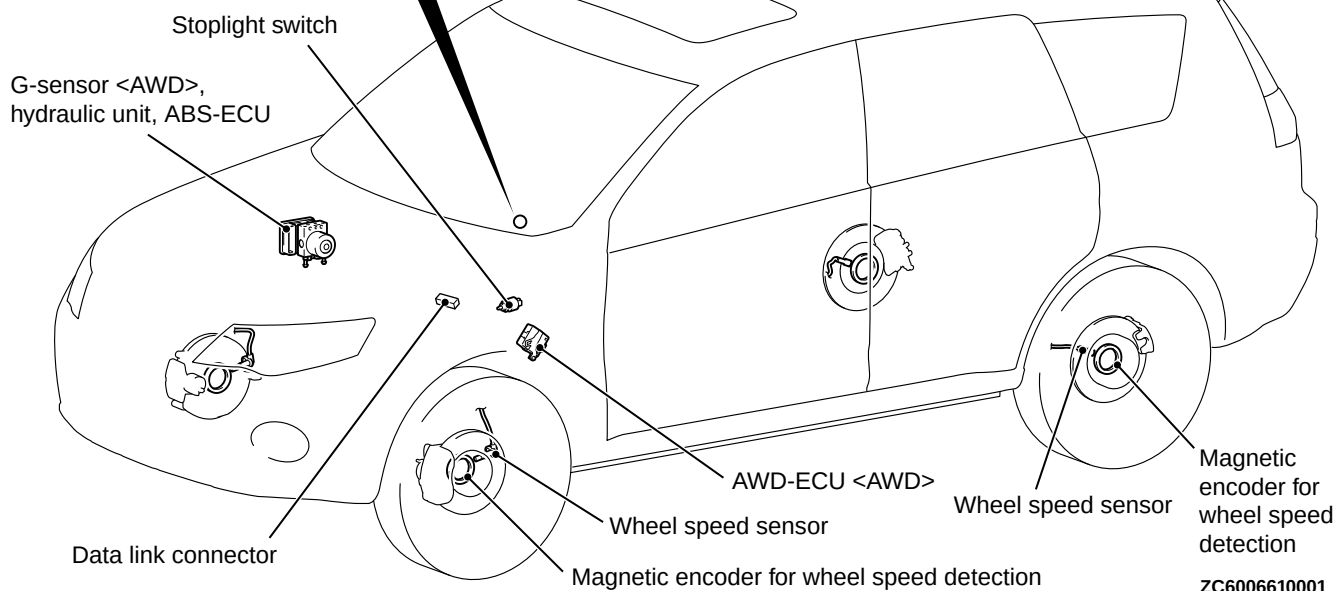
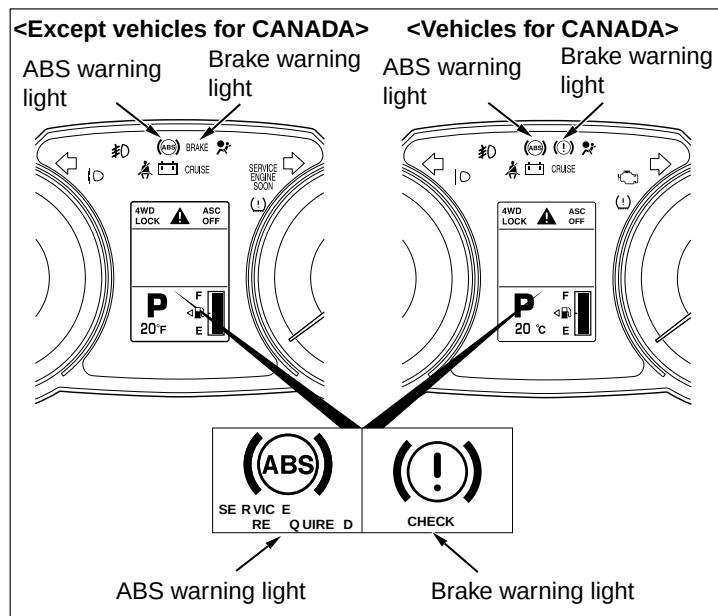


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The well-proven McPherson strut suspension (front) and trailing arm type multi-link suspension (rear) have been adopted.

ACTIVE SAFETY

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The ABS^{*1} has been installed as standard equipment to prevent the wheels from locking and optimize the longitudinal brake force distribution depending on the road surface and loading conditions. In addition, the ASC^{*2} has also been installed to suppress side slip and wheel spin during steep steering or on a slippery road surface, ensuring the ideal brake force and

braking stability through the integrated control of brake and engine output <standard: LS, optional: XLS>.

NOTE:

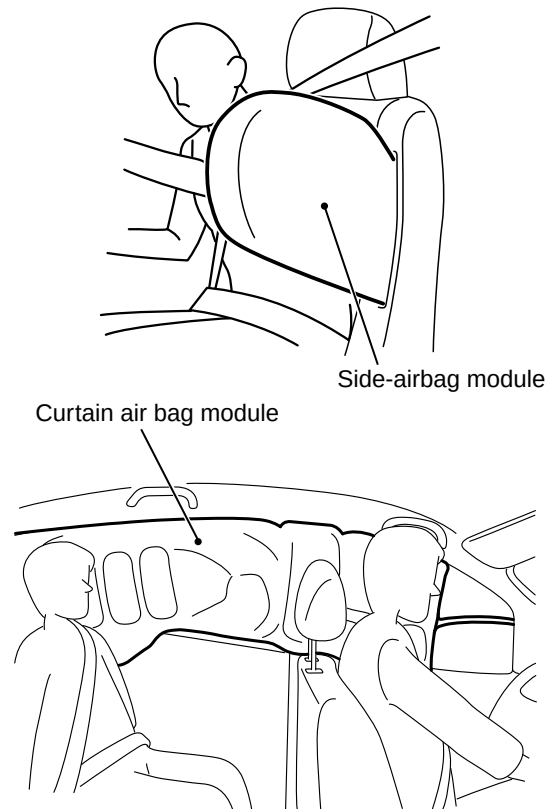
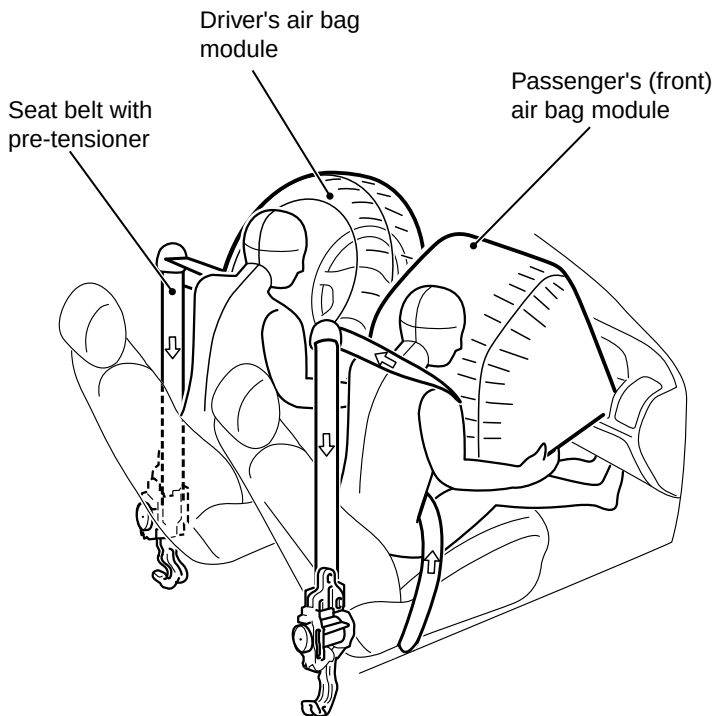
^{*1}: Electronic Brake-force Distribution

^{*2}: Active Stability Control

PASSIVE SAFETY

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SRS AIR BAGS



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Dual Supplemental Restraint System (SRS) front air bags deploy only upon detection of frontal impact. When used in combination with the 3-point ELR seat belts, they significantly reduce head and upper torso injury to front-seat occupants.

The seat belts with pre-tensioner work simultaneously with the SRS. The pre-tensioner takes up seat slack immediately when a collision takes place by restraining the front passengers sooner than the SRS. This prevents the passengers from moving forward.

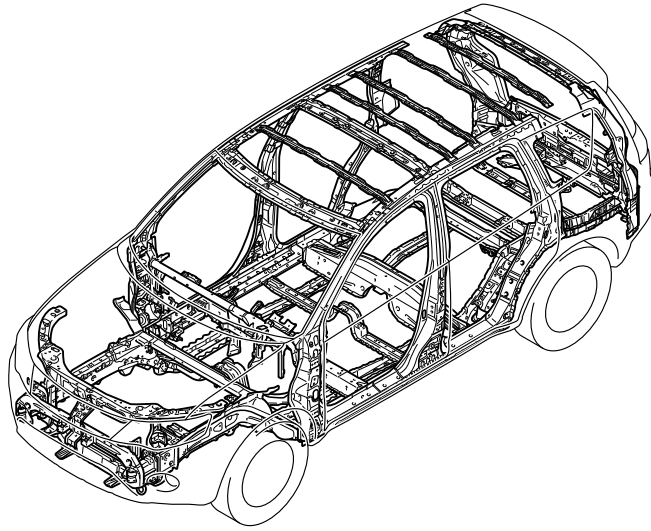
SIDE-AIRBAGS AND CURTAIN AIR BAGS

During a side collision, the SRS side-airbags embedded in the front seat side area soften blows to the front passenger's chest area, and the SRS curtain

air bags integrated into the roof side area soften blows to the front/rear passenger's head area.

FRONT SEAT BELT

A seat belt with double pre-tensioner for shoulder and lap has been installed on the driver's seat. A seat belt with pre-tensioner is on the front passenger's seat. This retracts the belt to eliminate slack, and increases the initial restraint for passengers to limit movement of the passenger, increasing safety. In addition, the variable force limiter has been installed on the seat belts (driver's/front passenger's seats) to properly absorb the load on a passenger by extending the belt if the belt tension exceeds a certain level, increasing safety against an accident with a collision.

BODY CONSTRUCTION

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The body structure combines a high-energy absorbing structure (front and rear) and high rigidity cabin structure to reduce the level of injury to passengers upon front, rear and side impact, as well as secure cabin space and to improve passenger rescue upon impact.

Employment of a top/bottom one-piece door outer panel and door inner panel pressed door structure improves door panel rigidity.

SAFETY-ENHANCED FRONT SEATS

The front seats are designed to minimize the risk of whiplash in a collision from the rear.

The head restraints have been ideally angled forward, while the seat frame was moved toward the rear.

OTHER SAFETY FEATURES

- 3-point ELR seat belts
- Front fog lamps
- Child-protection rear door locks
- Brake pedal recede-control device

ENVIRONMENTAL PROTECTION

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RECYCLING

Recyclable thermoplastic resin and recycled materials have been actively used, and multilayer materials have been integrated into thermoplastic resin.

Classification	Main contents
Components made of recycled materials	Chip materials produced during manufacturing process have been reused for the following components: Bumper, instrument panel, door trims, and radiator grille.
	Waste materials produced by other industries have been reused for the following components: Sound absorbing materials for dash panel or roof, and oil level gauge.
Components made of materials which can be easily recycled	Thermoplastic resin has been used for the purge hose in the engine control system.
	Thermoplastic resin has been used for all the materials for the floor carpet.
	Thermoplastic resin has been used for the bumper, instrument panel, door trims, and radiator grille.

REDUCTION OF MATERIAL BURDEN ON ENVIRONMENT

radiator, heater core, and rubber parts.

Lead-free materials have been used for the fuel tank,

Item	Main contents
Elimination of environmental burden materials	Lead-free materials have been used for the components such as the fuel tank, radiator, heater core, battery cable terminal, wheel balance weight, power steering high-pressure hose, glass ceramic print, electrostatic coating, crank bearing metal, connecting rod bearing metal, crankshaft, connecting rod, harnesses, and intake valve seat. PVC (polyvinyl chloride)-free materials have been used for the waterproofing film.
Ozone layer protection	Air conditioning filled with new refrigerant (HFC 134a) has been installed.
Prevention of air pollution	Organic solvent drainage amount for body painting has been reduced.

SERVICEABILITY AND RELIABILITY

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MAINTENANCE-FREE FEATURES

- The chain timing belt has been adopted to eliminate a regular replacement.

ENHANCED DIAGNOSIS SYSTEM

Diagnosis functions have been included for the following systems, so that it is possible to use the M.U.T.-III to read the diagnosis codes and service data and to carry out actuator tests. In addition, it is also possible to read the diagnosis codes by the flashing of the warning light in some systems.

- Multiport fuel injection system (MFI)
- Electronically-controlled AWD
- 6-speed sport mode automatic transaxle
- ABS (with EBD)
- Active Stability Control (ASC)
- Power windows
- Keyless Operation System (KOS)
- SRS air bag
- Immobilizer
- Combination meter
- Headlight auto leveling
- 6-disc CD changer, and AM/FM radio
- ETACS

- Heater and air conditioning

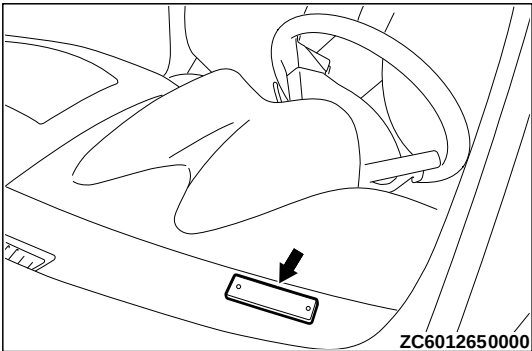
NOTE: The F. A. S. T. -key (Free-hand Advanced Security Transmitter) is described as the Keyless Operation System (KOS) in this manual.

BETTER SERVICEABILITY AND HANDLING

- The power steering oil pump has been installed at the front of the vehicle for better workability.
- The engine control module has been installed in the engine room for better workability.
- The instrument panel components can be removed and installed individually and the frame part is smaller in size to allow it to be removed and installed without lowering the steering shaft.
- The floor console panel can be removed and installed individually without tools for parking brake lever adjustment.
- The joint connector has been relocated for better CAN-related workability.
- The service hole for the rear shock absorber tightening check has been located on the quarter trim for better workability.
- A partial slit has been added on the floor carpet for easier access to the fuel pump module.

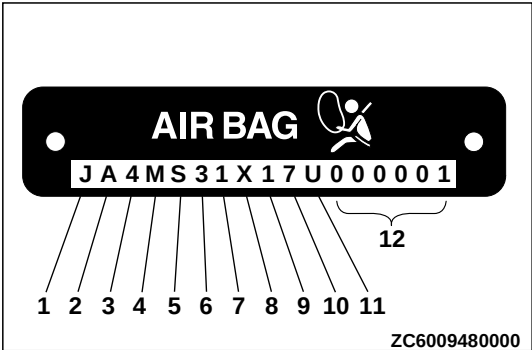
VEHICLE IDENTIFICATION

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VEHICLE IDENTIFICATION NUMBER LOCATION

The vehicle identification number (VIN) is located on a plate attached to the left top side of the instrument panel.



VEHICLE IDENTIFICATION CODE CHART PLATE

All vehicle identification numbers contain 17 digits. The vehicle number is a code which tells country, make, vehicle type, etc.

No.	Item	Content
1	Country	J: Japan
2	Make	A: Mitsubishi
3	Vehicle type	4: Multi-purpose vehicle
4	Others	GROSS VEHICLE WEIGHT RATING/BRAKE SYSTEM M: 5001-6000 lbs/HYDRAULIC
5	Line	S: OUTLANDER FWD T: OUTLANDER AWD
6	Price class	3: Medium 4: High
7	Body	1: 5-door wagon
8	Engine	X: 3.0L (6B31) MIVEC
9	Check digits*	0, 1, 2, 3, -----9, X
10	Model year	7: 2007 year
11	Plant	U: Mizushima
12	Serial number	000001 to 999999

*NOTE: *: Check digit means a single number, or letter X, used to verify the accuracy of transcription of vehicle identification number.*

VEHICLE IDENTIFICATION NUMBER LIST

VEHICLES FOR USA

(FOR FEDERAL EMISSION REGULATION)

VIN (except sequence number)	Brand	Engine displacement	Model code
JA4MS31X_7U	MITSUBISHI OUTLANDER	3.0L	CW6WXL SYL2M
JA4MS41X_7U			CW6WXL HYL2M
			CW6WXLXYL2M
JA4MT31X_7U			CW6WXL SYZL2M
JA4MT41X_7U			CW6WXL HYZL2M
			CW6WXLXYZL2M

(FOR CALIFORNIA EMISSION REGULATION)

VIN (except sequence number)	Brand	Engine displacement	Model code
JA4MS31X_7U	MITSUBISHI OUTLANDER	3.0L	CW6WXL SYL7M
JA4MS41X_7U			CW6WXL HYL7M
			CW6WXLXYL7M
JA4MT31X_7U			CW6WXL SYZL7M
JA4MT41X_7U			CW6WXL HYZL7M
			CW6WXLXYZL7M

VEHICLES FOR PUERTO RICO

VIN (except sequence number)	Brand	Engine displacement	Model code
JA4MS31X_7U	MITSUBISHI OUTLANDER	3.0L	CW6WXL SYL2M
			CW6WXL MYL2M
JA4MS41X_7U			CW6WXLXYL2M
JA4MT31X_7U			CW6WXL SYZL2M

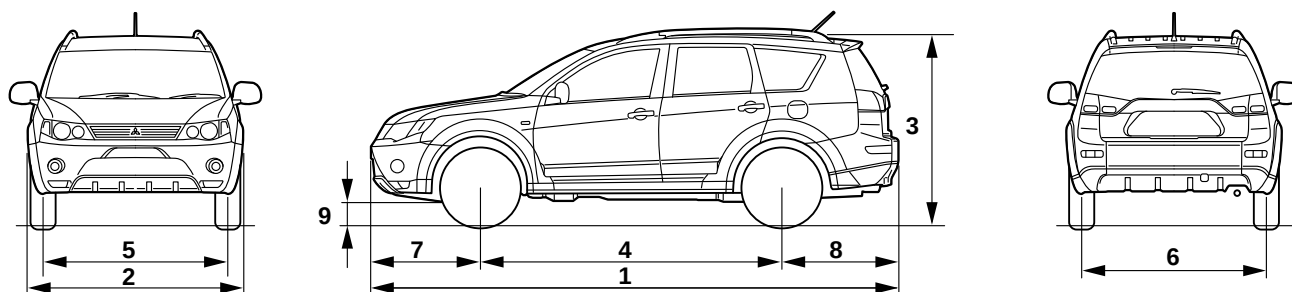
VEHICLES FOR CANADA

VIN (except sequence number)	Brand	Engine displacement	Model code
JA4MS31X_7U	MITSUBISHI OUTLANDER	3.0L	CW6WXL SYL3M
JA4MS41X_7U			CW6WXLXYL3M
JA4MT31X_7U			CW6WXL SYZL3M
JA4MT41X_7U			CW6WXLXYZL3M

GENERAL DATA AND SPECIFICATIONS

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<Except vehicles for CANADA>



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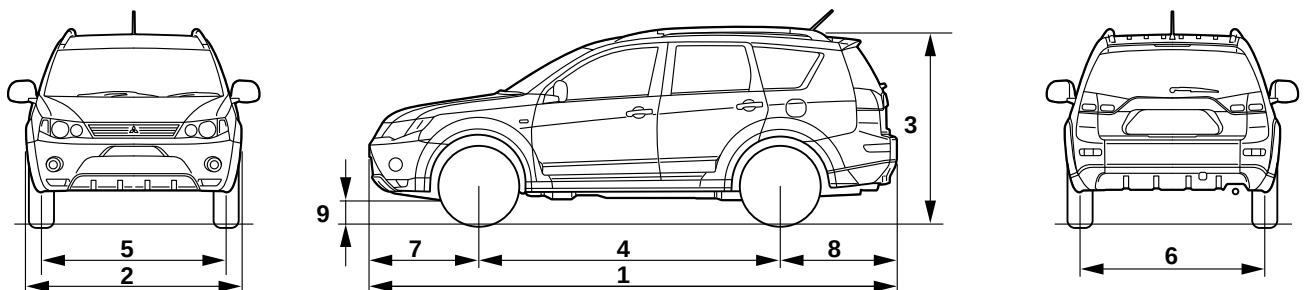
Item			CW6W			
			XLSYL2M/7M	XLHYL2M/7M	XLSYZL2M/7M	XLHYZL2M/7M
Vehicle dimension mm (in)	Overall length	1	4,640 (182.7)	4,640 (182.7)	4,640 (182.7)	4,640 (182.7)
	Overall width	2	1,800 (70.9)	1,800 (70.9)	1,800 (70.9)	1,800 (70.9)
	Overall height (unladen)	3	1,680 (66.1) <Vehicles without roof rail> 1,720 (67.7) <Vehicles with roof rail>	1,720 (67.7) <Vehicles with roof rail>	1,680 (66.1) <Vehicles without roof rail> 1,720 (67.7) <Vehicles with roof rail>	1,720 (67.7) <Vehicles with roof rail>
	Wheelbase	4	2,670 (105.1)	2,670 (105.1)	2,670 (105.1)	2,670 (105.1)
	Tread-front	5	1,540 (60.6)	1,540 (60.6)	1,540 (60.6)	1,540 (60.6)
	Tread-rear	6	1,540 (60.6)	1,540 (60.6)	1,540 (60.6)	1,540 (60.6)
	Overhang-front	7	965 (38.0)	965 (38.0)	965 (38.0)	965 (38.0)
	Overhang-rear	8	1,005 (39.6)	1,005 (39.6)	1,005 (39.6)	1,005 (39.6)
	Ground clearance	9	215 (8.5)	215 (8.5)	215 (8.5)	215 (8.5)
Vehicle weight kg (lb)	Curb weight		1,615 (3,560)	1,635 (3,604)	1,680 (3,703)	1,700 (3,747)
	Gross vehicle weight rating		2,300 (5,071)		2,350 (5,181)	2,350 (5,181)
	Gross axle weight rating-front		1,090 (2,403)			
	Gross axle weight rating-rear		1,280 (2,822)			
Seating capacity			5			
Engine	Model No.		6B31			
	Piston displacement		3.0 L			
Transaxle	Model No.		F6AJA		W6AJA	
	Type		6-speed automatic			
Fuel system	Fuel supply system		Multiport fuel injection			

GENERAL
GENERAL DATA AND SPECIFICATIONS

00-13

Item			CW6W		
			XLMYL2M	XLXYL2M/7M	XLXYZL2M/7M
Vehicle dimension mm (in)	Overall length	1	4,640 (182.7)	4,640 (182.7)	4,640 (182.7)
	Overall width	2	1,800 (70.9)	1,800 (70.9)	1,800 (70.9)
	Overall height (unladen)	3	1,680 (66.1) <Vehicles without roof rail> 1,720 (67.7) <Vehicles with roof rail>	1,720 (67.7) <Vehicles with roof rail>	1,680 (66.1) <Vehicles without roof rail> 1,720 (67.7) <Vehicles with roof rail>
	Wheelbase	4	2,670 (105.1)	2,670 (105.1)	2,670 (105.1)
	Tread-front	5	1,540 (60.6)	1,540 (60.6)	1,540 (60.6)
	Tread-rear	6	1,540 (60.6)	1,540 (60.6)	1,540 (60.6)
	Overhang-front	7	965 (38.0)	965 (38.0)	965 (38.0)
	Overhang-rear	8	1,005 (39.6)	1,005 (39.6)	1,005 (39.6)
	Ground clearance	9	215 (8.5)	215 (8.5)	215 (8.5)
Vehicle weight kg (lb)	Curb weight		1,675 (3,692)	1,670 (3,681)	1,735 (3,825)
	Gross vehicle weight rating		2,300 (5,071)		2,350 (5,181)
	Gross axle weight rating-front		1,090 (2,403)		
	Gross axle weight rating-rear		1,280 (2,822)		
Seating capacity			7		
Engine	Model No.		6B31		
	Piston displacement		3.0 L		
Transaxle	Model No.		F6AJA		W6AJA
	Type		6-speed automatic		
Fuel system	Fuel supply system		Multiport fuel injection		

<Vehicles for CANADA>



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GENERAL
GENERAL DATA AND SPECIFICATIONS

Item			CW6W			
			XLSYL3M	XLSYZL3M	XLXYL3M	XLXYZL3M
Vehicle dimension mm (in)	Overall length	1	4,640 (182.7)	4,640 (182.7)	4,640 (182.7)	4,640 (182.7)
	Overall width	2	1,800 (70.9)	1,800 (70.9)	1,800 (70.9)	1,800 (70.9)
	Overall height (unladen)	3	1,680 (66.1) <Vehicles without roof rail> 1,720 (67.7) <Vehicles with roof rail>	1,720 (67.7) <Vehicles with roof rail>	1,680 (66.1) <Vehicles without roof rail> 1,720 (67.7) <Vehicles with roof rail>	1,720 (67.7) <Vehicles with roof rail>
	Wheelbase	4	2,670 (105.1)	2,670 (105.1)	2,670 (105.1)	2,670 (105.1)
	Tread-front	5	1,540 (60.6)	1,540 (60.6)	1,540 (60.6)	1,540 (60.6)
	Tread-rear	6	1,540 (60.6)	1,540 (60.6)	1,540 (60.6)	1,540 (60.6)
	Overhang-front	7	965 (38.0)	965 (38.0)	965 (38.0)	965 (38.0)
	Overhang-rear	8	1,005 (39.6)	1,005 (39.6)	1,005 (39.6)	1,005 (39.6)
	Ground clearance	9	215 (8.5)	215 (8.5)	215 (8.5)	215 (8.5)
Vehicle weight kg (lb)	Curb weight		1,615 (3,560)	1,680 (3,703)	1,670 (3,681)	1,735 (3,825)
	Gross vehicle weight rating		2,300 (5,071)	2,350 (5,181)	2,300 (5,071)	2,350 (5,181)
	Gross axle weight rating-front		1,090 (2,403)			
	Gross axle weight rating-rear		1,100 (2,425)			
Seating capacity			5		7	
Engine	Model No.		6B31			
	Piston displacement		3.0 L			
Transaxle	Model No.		F6AJA	W6AJA	F6AJA	W6AJA
	Type		6-speed automatic			
Fuel system	Fuel supply system		Multiport fuel injection			