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## GROUP 00

# GENERAL

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# HOW TO USE THIS MANUAL

## MODEL INDICATIONS

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

MPI: Indicates the multipoint injection.

MIVEC: Indicates the Mitsubishi innovative valve timing and lift electronic control system.

SOHC: Indicates an engine with the single overhead camshaft.

DOHC: Indicates an engine with the double overhead camshaft.  
2000: Indicates models equipped with the 1,997 mL <4G63> petrol engine.  
2400: Indicates models equipped with the 2,378 mL <4G69> petrol engine.  
M/T: Indicates the manual transmission.  
A/T: Indicates the automatic transmission.  
A/C: Indicates the air conditioner.

M2000029000662

## TARGETS OF DEVELOPMENT

OUTLANDER has been developed as a passenger-vehicle-based SUV (Sport Utility Vehicle) showing promise for stable needs in the future. With OUTLANDER, we will enter the SUV market in a big way.

OUTLANDER: Venturer adventuring on far and unknown lands

M2000004000212

## PRODUCT FEATURES

### FUN TO DRIVE UNDER ALL-ROAD CONDITIONS

- 2000 16-valve DOHC-Non-Turbo, 2000 16-valve DOHC-Turbo engine and 2400 16-valve SOHC MIVEC engine
- Full-time 4WD adopting centre differential with VCU, 16-inch tyres and High ground clearance for off-road driving
- 4 speed automatic transmission with sport mode or 5 speed manual transmission

*NOTE: MIVEC: Mitsubishi Innovative Valve timing & lift Electronic Control system, which is an unique cam profile selection mechanism of Mitsubishi.*

### COMFORT PACKAGE WITH SPECIE AND VARIETY OF AMENITIES

- Wide and long cabin
- Large floor console with 2-mug cup holders, cargo room hook, etc.

### SPORTY AND COOL, NEW-GENERATION SUV

- Exterior is sleek and off-road taste for expected new generation SUV.
- Interior offers "fresh" feel by t-shape instrumental panel and seat fabric.

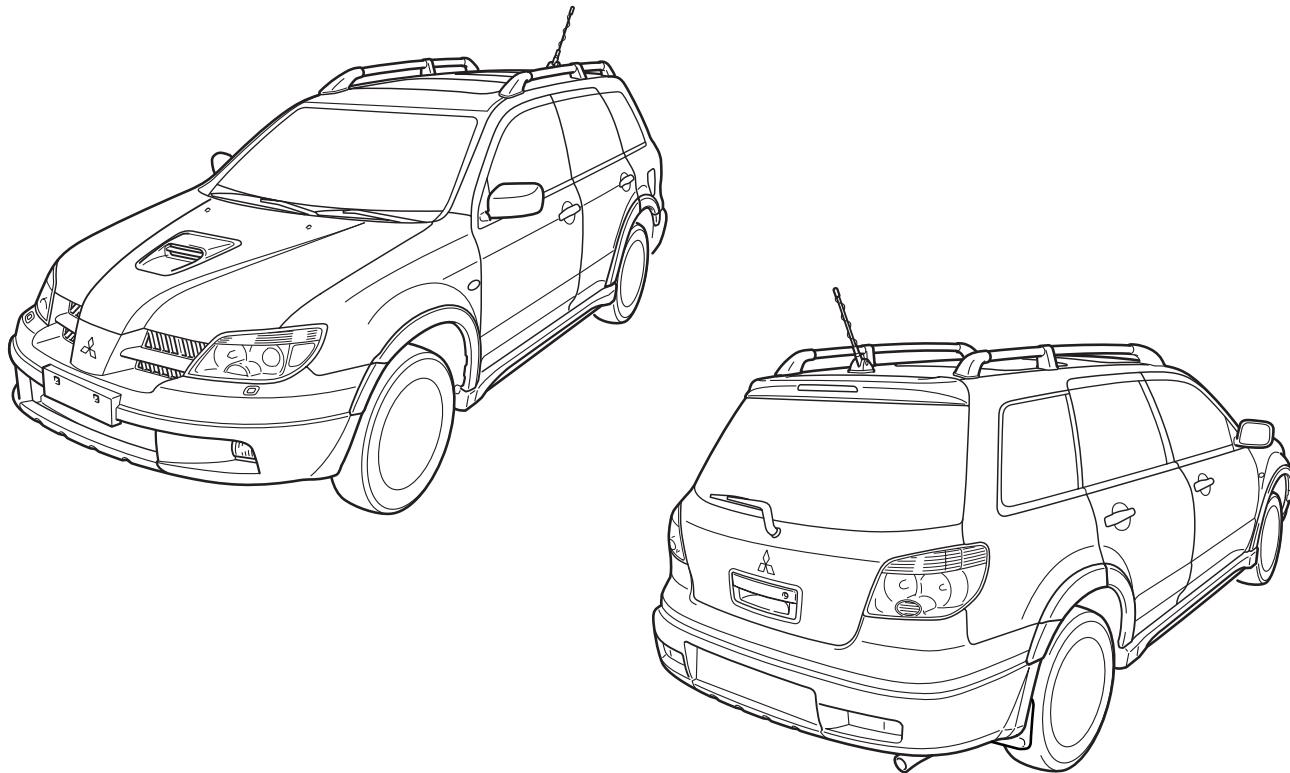
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## TECHNICAL FEATURES

## EXTERIOR

## DESIGN FEATURES

M2000017000568



AC401237

## OVER VIEW

- Compared to usual sports wagons, the body is higher and the high quality sporty body and robust wheel-wells are combined to feature an all round impression.
- Tough impression is emphasized with a large bumper.
- Functionality and a tough driving image have been expressed with a geometric design in the front and rear area.

## FRONT VIEW

- Highly original and powerful front appearance
- Protective image emphasized with coloured underpart overhung of basic surface.
- Stability is expressed by extending the length and size of the opening of the bottom end of the bumper.

## SIDE VIEW

- Expressing tough driving with large-diameter 16-inch tyres and large fender flare.
- Overfenders have been added to feature an all-round drive and robust wheeling impressions as sport utility vehicle. <INTENSE, TURBO>
- Simple shape side-sill garnish maintains a clean image while expressing power, as well. <INVITE>
- Side sill garnishes have been added in order to feature robust impression. They are based on the same design philosophy as the roof rails.  
<INTENSE, TURBO>

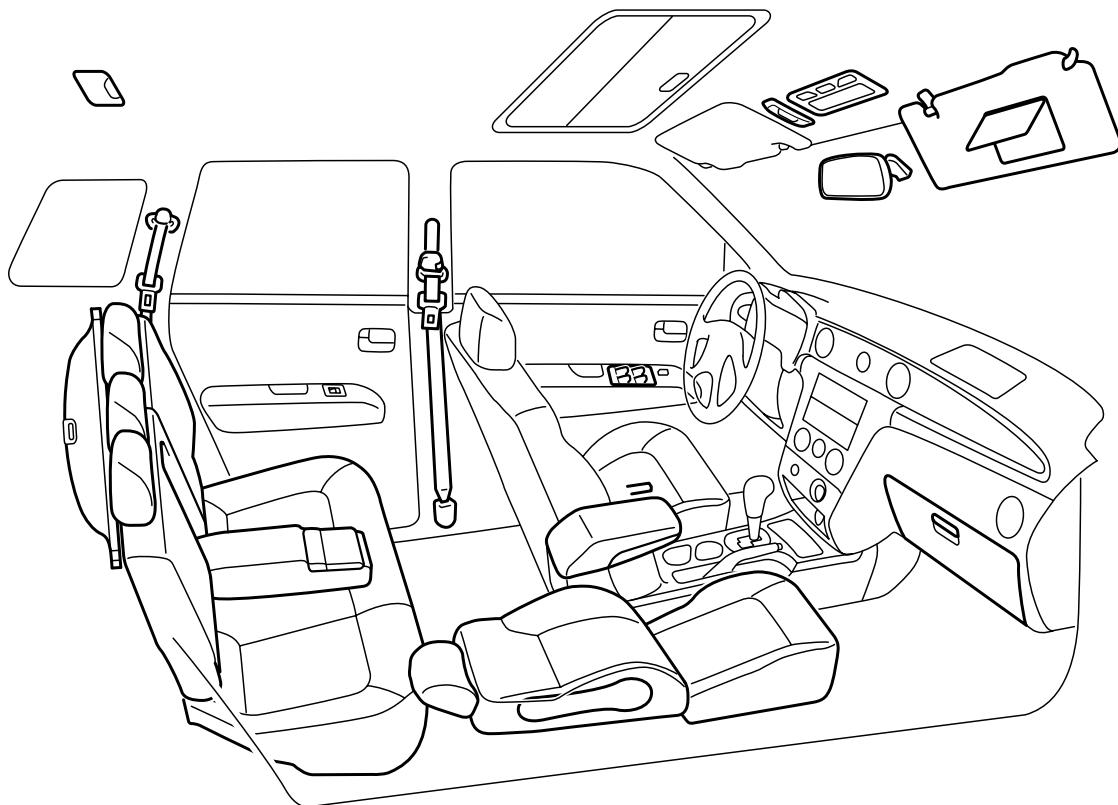
## REAR VIEW

- Expresses power with a large bumper

## INTERIOR

## DESIGN FEATURES

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AC301458

## OVERALL

- Interior space that satisfies an impression of both sportiness and spaciousness.
- Design with matching shape and function as represented with the round vents.
- Soft surface process to create a functional but warm shape.

## INSTRUMENT PANEL

- Simple panel and round meters have been designed at the base and arranged in a futuristic and dimensional manner to feature a sporty and spacious impression and novel design.
- A clear T-shape motif creates a horizontally extending impression as well as imparts driving fun and sporty image.

## FLOOR CONSOLE

- From the front end of the floor console to the arm rest is a contiguous flow with movement in shape to create a sporty image.
- Large cup holder, wide arm rest and tray with lid have been efficiently placed.

- The indicator panel is made of pressed aluminum to emphasize the base materials as well as impart an impression of high quality.

## SEAT

- The front seat features a simple design and emphasizes an impression of modulated fabric quality and the back seat imparts the comfort of a rich sofa.

## DOOR TRIM

- The wide arm rest has been used to improve the driveability.
- The ample cloth area is used for the trims to enhance the feeling of luxury.

## ENGINE

- The 4G63-DOHC-Non-Turbo engine is adopted.
- The 4G69-SOHC MIVEC engine is adopted.
- The 4G63-DOHC-Turbo engine is adopted.
- The emission system is compliant to the EUR emission regulation step IV.

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## TRANSMISSION

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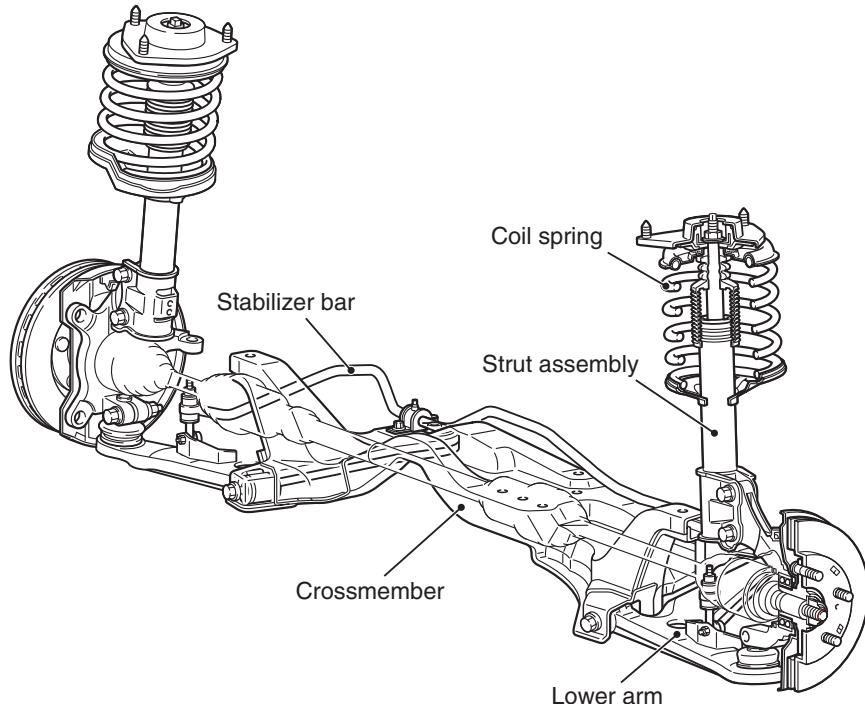
### MANUAL TRANSMISSION

- F5M42 manual transmission is used for 2WD and W5M42 manual transmission is used for 4WD.  
<Non-Turbo>
- W5M51 manual transmission is used for 4WD.  
<Turbo>
- The 4WD system uses the centre differential with limited slip device.
- The front differential is housed in the transfer (4WD). The centre differential is housed in the transmission in the place of the front differential for 2WD.
- A viscous coupling unit (VCU) for the centre differential limited slip device, and the front differential are located in the transfer case.

## SUSPENSION

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### FRONT SUSPENSION



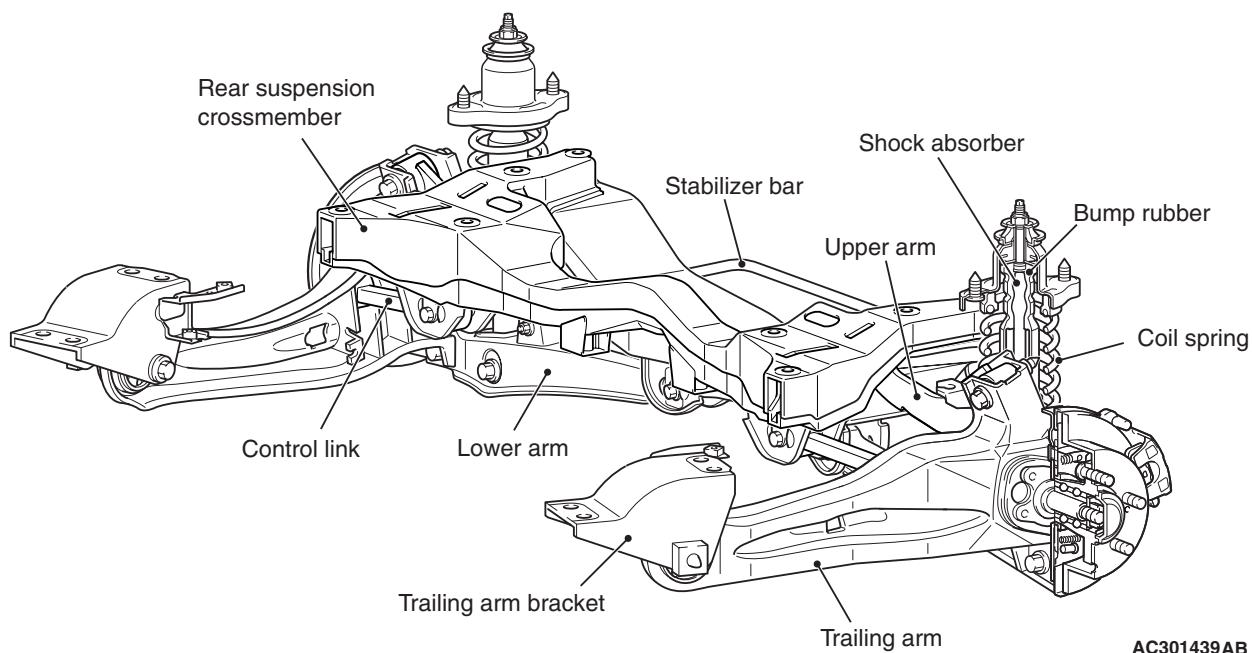
AC301356AB

A McPherson strut independent suspension is used for the front suspension.

## AUTOMATIC TRANSMISSION

- W4A4B automatic transmission is used for 4WD.
- INVECS-II controls the shift pattern, matching with the all conditions of road and driving at the "D" range.
- The sport mode which makes possible the dynamic driving has been adopted.
- Full adoptive control which includes the feed back control and the learning control has been adopted to make possible the superior shift feeling to comply with the transmission hardware deterioration.
- Based on the most modern design technology and the leading-edge of production engineering of Mitsubishi, the high efficiency, the weight and cost reduction have been accomplished, reinforcing the strength and durability.
- ATF coolers (fluid-cooled and air-cooled) have been adopted.

## REAR SUSPENSION



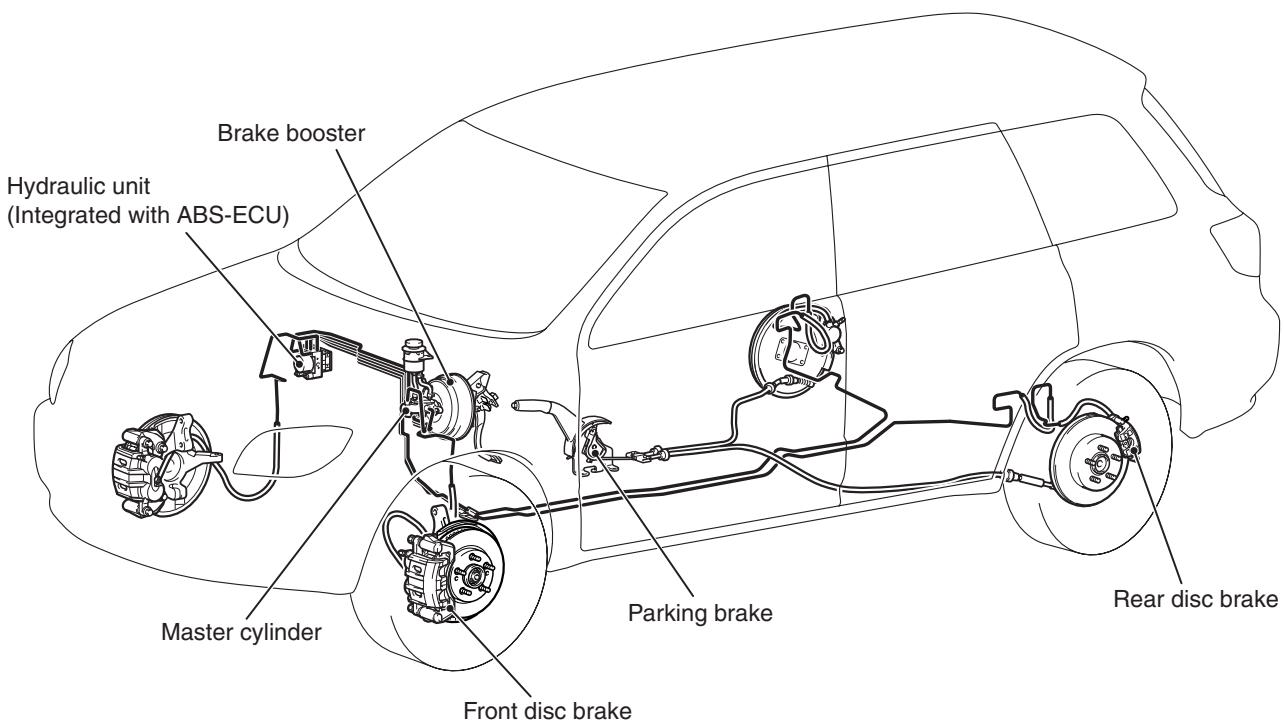
AC301439AB

A trailing arm type multi-link suspension is used for the rear suspension.

## ACTIVE SAFETY

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## BRAKING SYSTEM



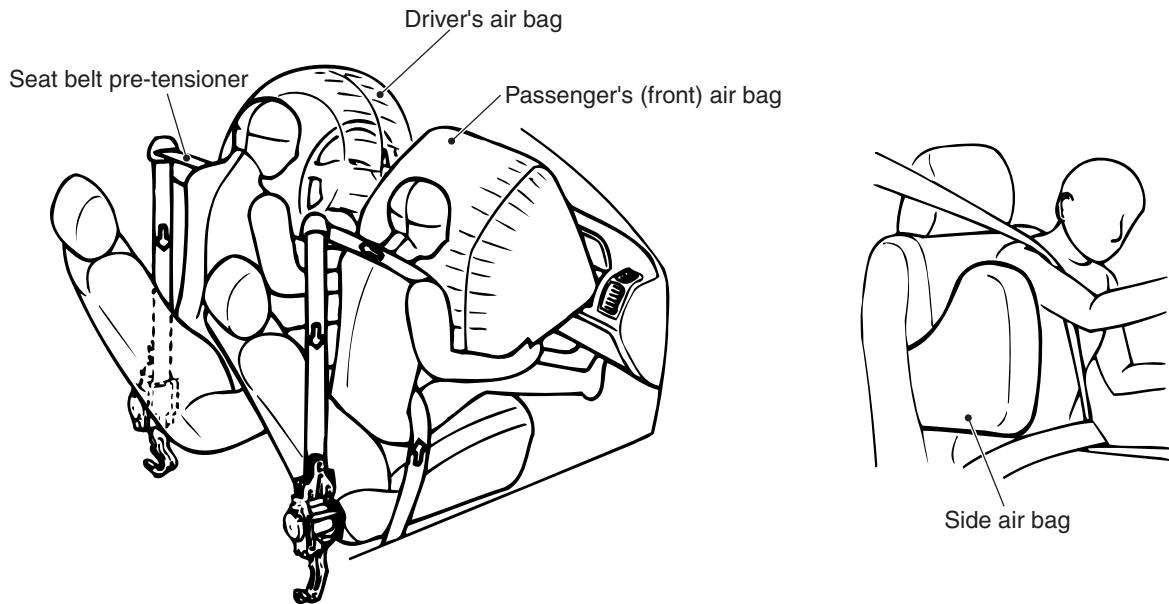
AC300584AC

- Front 16-inch ventilated disc brakes and rear 14-inch solid disc brakes are installed.
- A 4-sensor, 3-channel ABS (Anti-skid Braking System) with EBD (Electronic Brake-force Distribution) is available.

## PASSIVE SAFETY

## SRS AIR BAGS

M2000032000338



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.

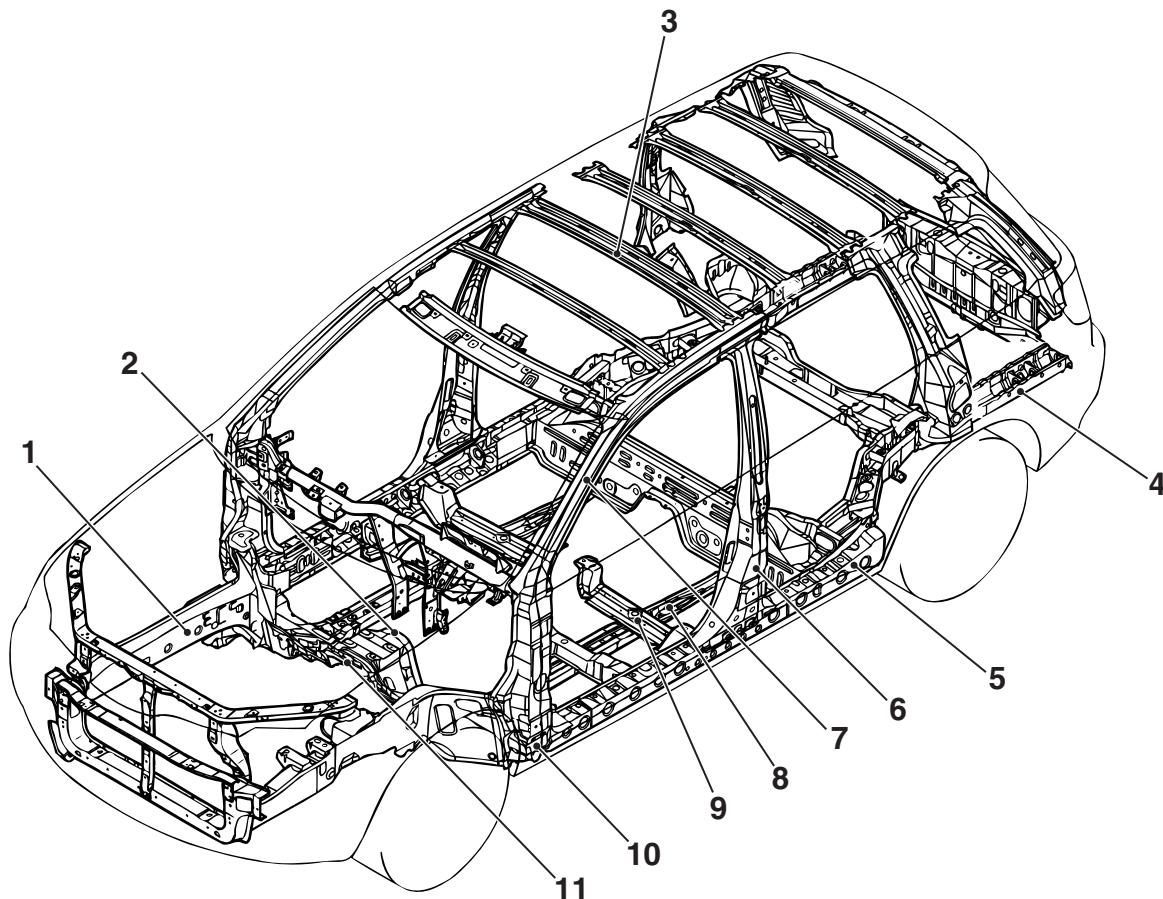
The seat belts with pre-tensioner work simultaneously with the SRS.

AC300149AB

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 forwards.

The side air bags on both driver's and front passenger's sides have been standard equipped on INTENSE and TURBO for added safety. It is optional on INVITE.

## BODY CONSTRUCTION



AB201992AC

The body structure featuring a high-energy absorbing structure (front and rear) and high rigidity cabin structure combination reduces the chance of passenger injury, maintains cabin space and improves passenger rescue upon frontal, rear and side impact.

1. Larger cross section and straighter front side member.
2. Thicker dash panel lower plate.
3. Larger roof bow cross section.
4. Addition of reinforcement in rear side member.
5. Larger side sill outer reinforcement cross section.
6. Thicker centre pillar reinforcement plate.
7. Larger front pillar reinforcement.
8. Larger front floor side member cross section.
9. Larger front floor crossmember cross section.
10. Thicker front pillar reinforcement plate.
11. Addition of dash panel crossmember.

**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.

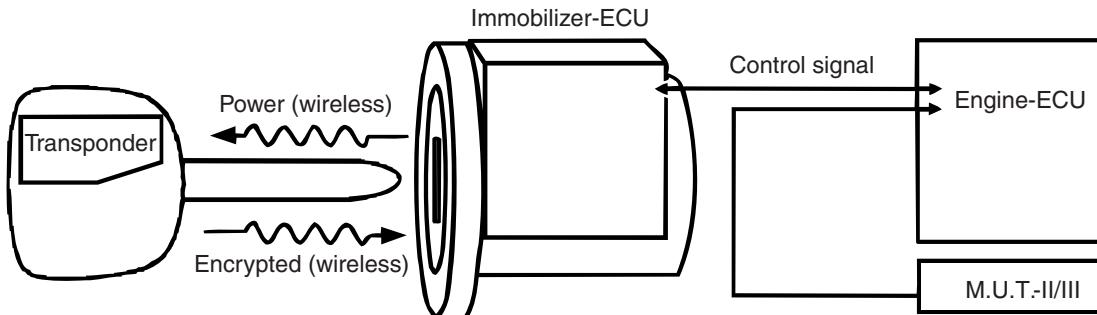
**OTHER SAFETY FEATURES**

- 3-point ELR seat belts
- Front fog lamps
- Rear fog lamp (R.H.)
- Child-protection rear door locks
- Brake pedal retraction suppression mechanism
- Power window and sunroof with safety mechanism

## EQUIPMENTS

### IMMOBILISER SYSTEM

M2000026000124



AC209493AH

This system lets the engine be started only when an encrypted code that is recorded in the ignition key is the same as an encrypted code that is recorded in the immobiliser-ECU.

## ENVIRONMENTAL PROTECTION

M2000027000161

Mitsubishi has given careful consideration to protection of natural resources and the environment in the vehicle. Environmentally friendly features are shown below.

### Items Dealing with Environmental Protection

Prevention of atmospheric pollution	Parts name	Main detail
Air pollution control	Cylinder head gasket	Employment of metal materials reduces the volume of incomplete combustion generated between the cylinder block and cylinder head, and suppresses the level of unburned hydrocarbon (HC).
	Body paint	Solvent level reduced in top paint of the body coat.
Reduction of hazardous waste	Fuel tank, radiator, heater core, battery cable terminal, power steering high pressure hose, air intake hose, glass ceramic print, harness and intake valve seat	Uses lead-free materials.
	Engine, general gasket	Uses asbestos-free materials.
	Waterproofing film	Uses polyvinyl chloride (PVC) free materials.

Prevention of atmospheric pollution	Parts name	Main detail
Recycling	Hood weather strip, engine control vacuum hose, instrument panel, door trim, carpet, bumper, radiator grille and tailgate weather strip	Easy recyclable.
	Air cleaner case, resonator and oil level gauge	Uses material recycled in-plant.
Prevention of ozone layer depletion	Air-conditioner refrigerant	HFC is used.

**SERVICEABILITY AND RELIABILITY**

M2000028000227

**MAINTENANCE-FREE FEATURES**

Serpentine auxiliary belts and an auto-tensioner are adopted to eliminate the need for the adjustment of auxiliary belt tension.

- MPI
- A/T
- ABS
- SRS air bag
- Immobilizer
- ETACS

**ENHANCED DIAGNOSIS SYSTEM**

Diagnosis functions have been included for the following systems, so that it is possible to use the M.U.T.-II/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 lamp in some systems.

**IMPROVED SERVICEABILITY AND HANDLING**

- A part of the under cover is of a sliding structure to provide easy access for oil filter replacement.
- The speaker garnishes can be removed individually, which no longer requires the removal/installation of the door trims.

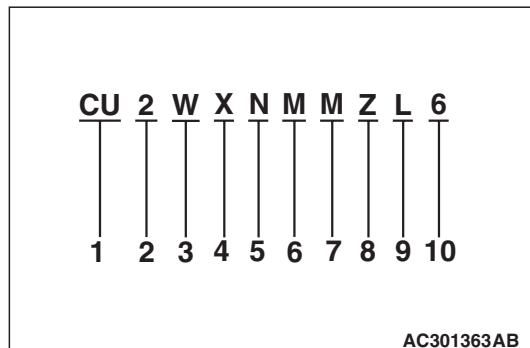
**VEHICLE IDENTIFICATION**

M2000001002491

**MODELS**

Model code		Engine model	Price class	Transmission model	Fuel supply system
CU2W	XNMML6	4G63-DOHC-Non-Turbo (1,997 mL)	Invite	F5M42 <2WD, 5M/T>	MPI
	XNMMZL6			W5M42 <4WD, 5M/T>	
	XNHMZL6		Intense		
	XNXFZL6	4G63-DOHC-Turbo (1,997 mL)	Turbo	W5M51 <4WD, 5M/T>	
CU5W	XNHYZL6	4G69-SOHC MIVEC (2,378 mL)	Intense	W5M42 <4WD, 5M/T>	
	XRHYZL6			W4A4B <4WD, 4A/T with sport mode>	

**MODEL CODE**

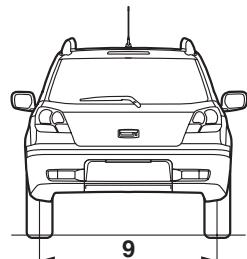
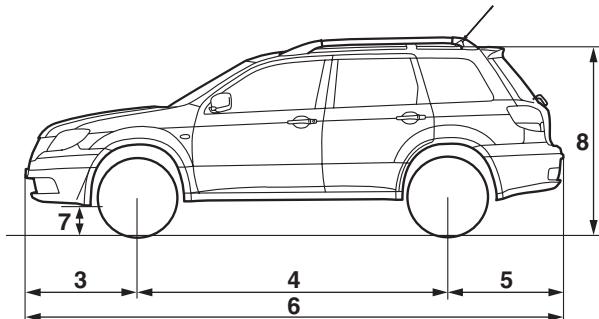
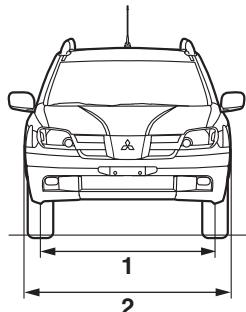


<b>No.</b>	<b>Item</b>	<b>Content</b>
1	Development	CU: MITSUBISHI OUTLANDER
2	Engine type	2: 1,997 mL petrol engine 5: 2,378 mL petrol engine
3	Sort	W: Wagon
4	Body style	X: 5-door hatchback

<b>No.</b>	<b>Item</b>	<b>Content</b>
5	Transmission type	N: 5-speed manual transmission R: 4-speed automatic transmission
6	Trim level	M: INVITE H: INTENSE X: TURBO
7	Specification engine feature	F: Turbocharger M: MPI-DOHC Y: SOHC MIVEC
8	Special feature	None: 2WD Z: 4WD
9	Steering wheel location	L: Left hand
10	Destination	6: For Europe

## MAJOR SPECIFICATIONS

M2000030000912



AC300072AB

Items	CU2W				CU5W					
	XNMML6	XNMMZL6	XNHMZL6	XNXFZL6	XNHYZL6	XRHYZL6				
Vehicle dimensions mm	Front track	1	1,495	1,510						
	Overall width	2	1,750	1,780						
	Front overhang	3	945							
	Wheel base	4	2,625							
	Rear overhang	5	975							
	Overall length	6	4,545							
	Ground clearance (unladen)	7	195	170	195					
	Overall height (unladen)	8	1,620/1,670*							
	Rear track	9	1,505	1,520						
Vehicle weight kg	Kerb weight	1,440	1,540	1,550	1,595	1,555	1,575			
	Max. gross vehicle weight	1,970	2,070							
	Max. axle weight rating-front	1,050			1,070					
	Max. axle weight rating-rear	1,065			1,075					
	Max. trailer weight	With brake	1,500							
		Without brake	570							
	Max. trailer-nose weight		75							
Seating capacity	5									
Engine	Model code		4G63			4G69				
	Total displacement mL		1,997			2,378				
Transmission	Model code		F5M42	W5M42	W5M51	W5M42	W4A4B			
	Type		5-speed manual			5-speed manual	4-speed automatic			
Fuel system	Fuel supply system		MPI							

NOTE: \*: Vehicles with roof rails