GROUP 00

GENERAL

CONTENTS

HOW TO USE THIS MANUAL

M2000029000093

ABBREVIATIONS

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

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

M/T: Indicates manual transaxle, or models equipped with the manual transaxle.

AWD: Indicates 4-wheel-drive vehicles.

A/C: Indicates air conditioning.

TARGETS OF DEVELOPMENT

M2000004000182

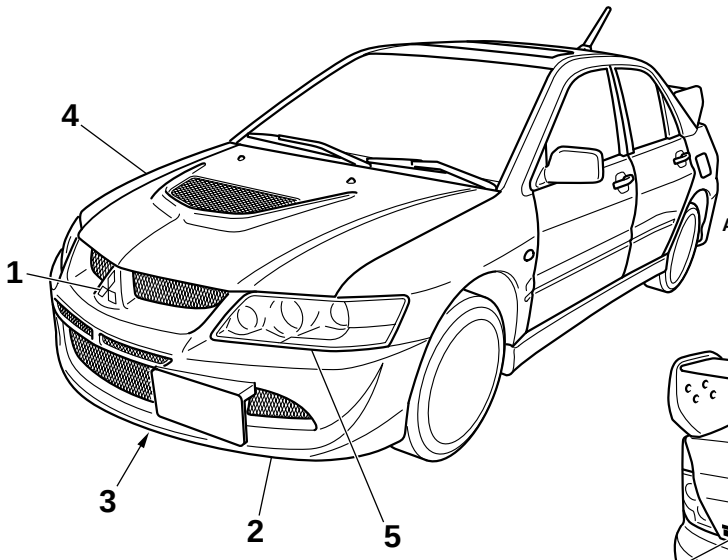
Since the model's introduction in 1992, Mitsubishi Motors has continually evolved the Lancer Evolution series through developments that reflect direct feedback from actual competition in motor sports events around the world. This is highlighted by entry in the premier event, the WRC (World Rally Championship). The Lancer Evolution series continues to prove its trademark speed and high performance by taking the winner's trophy time and again, including four WRC titles.

TECHNICAL FEATURES

EXTERIOR

M2000017000160

DESIGN FEATURES



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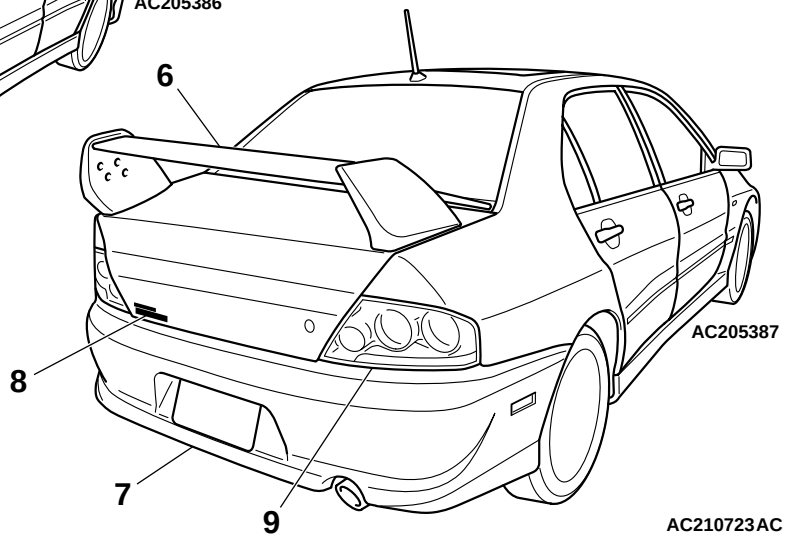

AC205387

AC210723AC

1. Large Three Diamond Mark

2. Front Bumper with Integrated Grille

3. Front Air Dam
The design strikes a continuous line with the bumper for an integrated look.

4. Aluminum Hood
To clearly express the Mitsubishi design identity while also improving cooling performance, a kick-up was added to the hood and the outlet was made larger.

5. Smoked Headlight Exterior
The turn signal lights are amber, but the exterior lens has a smoked finish.

6. Rear Spoiler
Placing top priority on weight reduction, the rear spoiler made of carbon fiber is used as a standard. The vertical struts give the impression of speedy performance and the outer surfaces alone are painted to the color key.

7. Rear Bumper
The design achieves a balance with that of the front bumper while it remains simple and does not appear to protrude or stand out.

8. Lancer and Evolution Mark

9. Rear Combination Light
The expression is designed to match that of the headlights. The outer lens is clear, the turn signal lights are amber, and the exterior section is smoked. (Note that regulations in North America require the front and rear turn signals to be clear.)

INTERIOR

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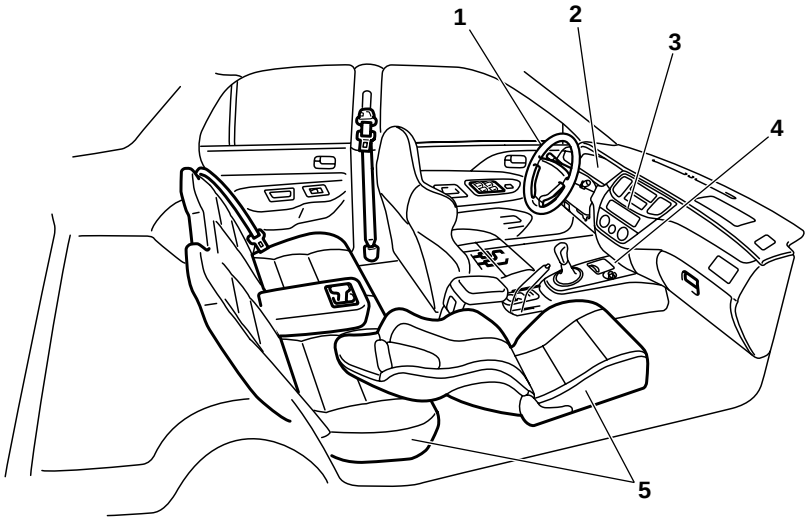
DESIGN FEATURES



AC211416AB

1. Steering wheel
   A MOMO leather-wrapped 3-spoke steering wheel is used.
2. Meter panel
   The driver-oriented meter panel has been designed for easy visibility.
3. Center/instrument panel
   It is vertically angled toward the front.
4. Separated center panel and floor console
5. Seats
   High-back sport type RECARO seats are used in the front, and a high-back bench seat is used for the rear.

BODY DIMENSIONS

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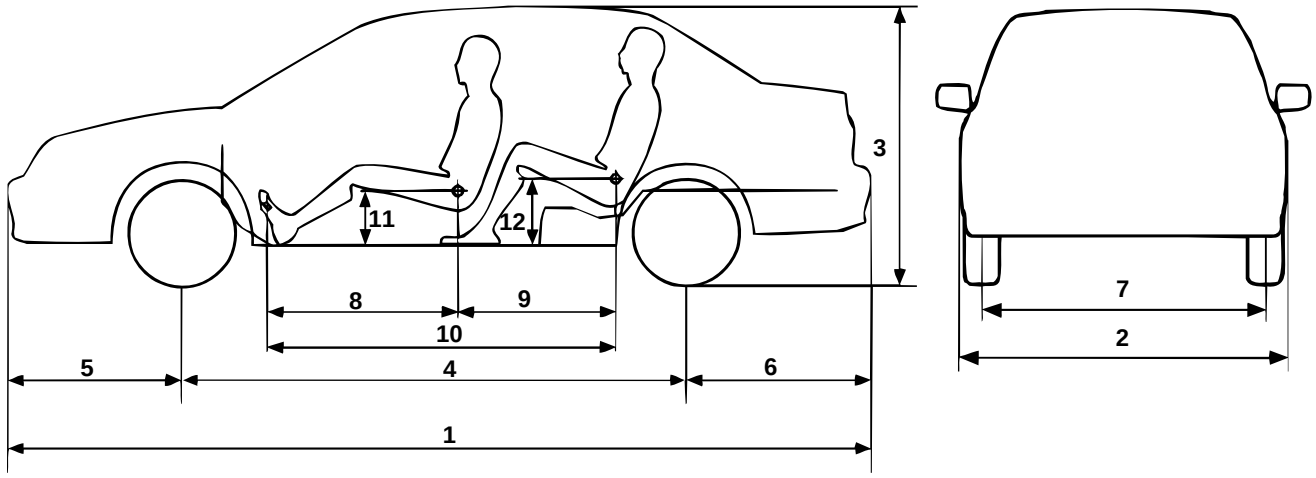
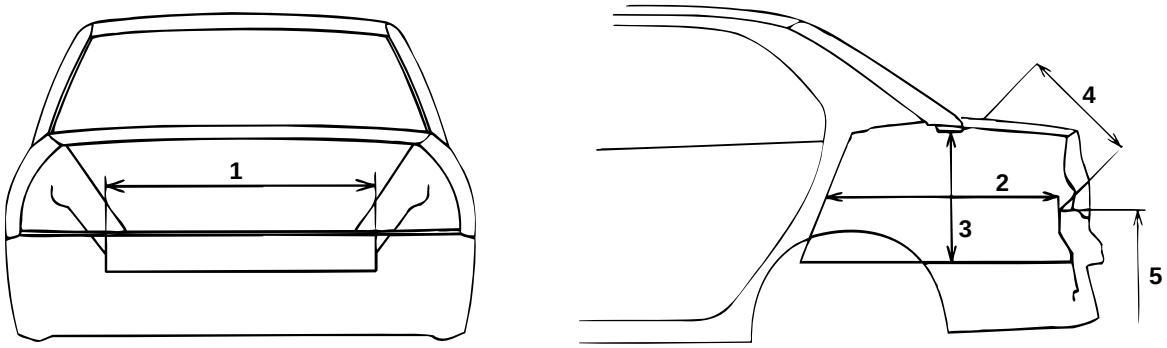


AC102003AB

NO.	ITEM	DIMENSION	NO.	ITEM		DIMENSION
1	Overall length mm (in)	4,535 (178.5)	7	Tread mm (in)	Front	1,515 (59.6)
2	Overall width mm (in)	1,770 (69.7)			Rear	1,515 (59.6)
3	Overall height mm (in)	1,450 (57.1)	8	Front leg space mm (in)		930 (36.6)
			9	Rear leg space mm (in)		785 (30.9)
4	Wheel base mm (in)	2,625 (103.3)	10	Total leg space mm (in)		1,715 (67.5)
5	Front overhang mm (in)	930 (36.6)	11	Hip point height mm (in)	Front	245 (9.6)
6	Rear overhang mm (in)	980 (38.6)	12		Rear	335 (13.2)

STORAGE SPACE

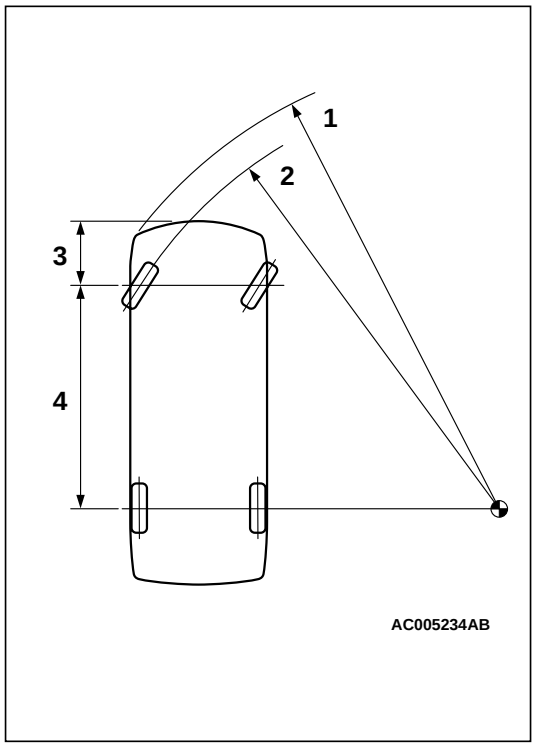


AC101532AB

NO.	ITEM	DIMENSION	NO.	ITEM	DIMENSION
1	Trunk width mm (in) (Distance between rear wheelhouses)	980 (38.6)	4	Trunk opening mm (in)	430 (16.9)
2	Trunk length mm (in)	840 (33.1)	5	Ground-to-trunk opening distance mm (in)	725 (28.6)
3	Trunk height mm (in)	470 (18.5)			

The trunk is at 430 liters (454.4 quart) (VDA), thanks to the smaller rear wheel housings, specially designed trunk lid hinges that are less intrusive, and a redesigned rear suspension layout. A trunk-through feature enables stowage of longer items. Numerous storage spaces are conveniently located throughout the vehicle.

MINIMUM TURNING RADIUS



NO.	ITEM	DIMENSION
1	Effective turning radius mm (in)	5,900 (232.3)
2	Minimum turning radius mm (in)	5,600 (220.5)
3	Front overhang mm (in)	930 (36.6)
4	Wheelbase mm (in)	2,625 (103.3)

ENGINE

M2000020000104

2.0-litre 16-valve DOHC engine

The 4G63 2.0-liter engine is available with MFI.

TRANSAXLE

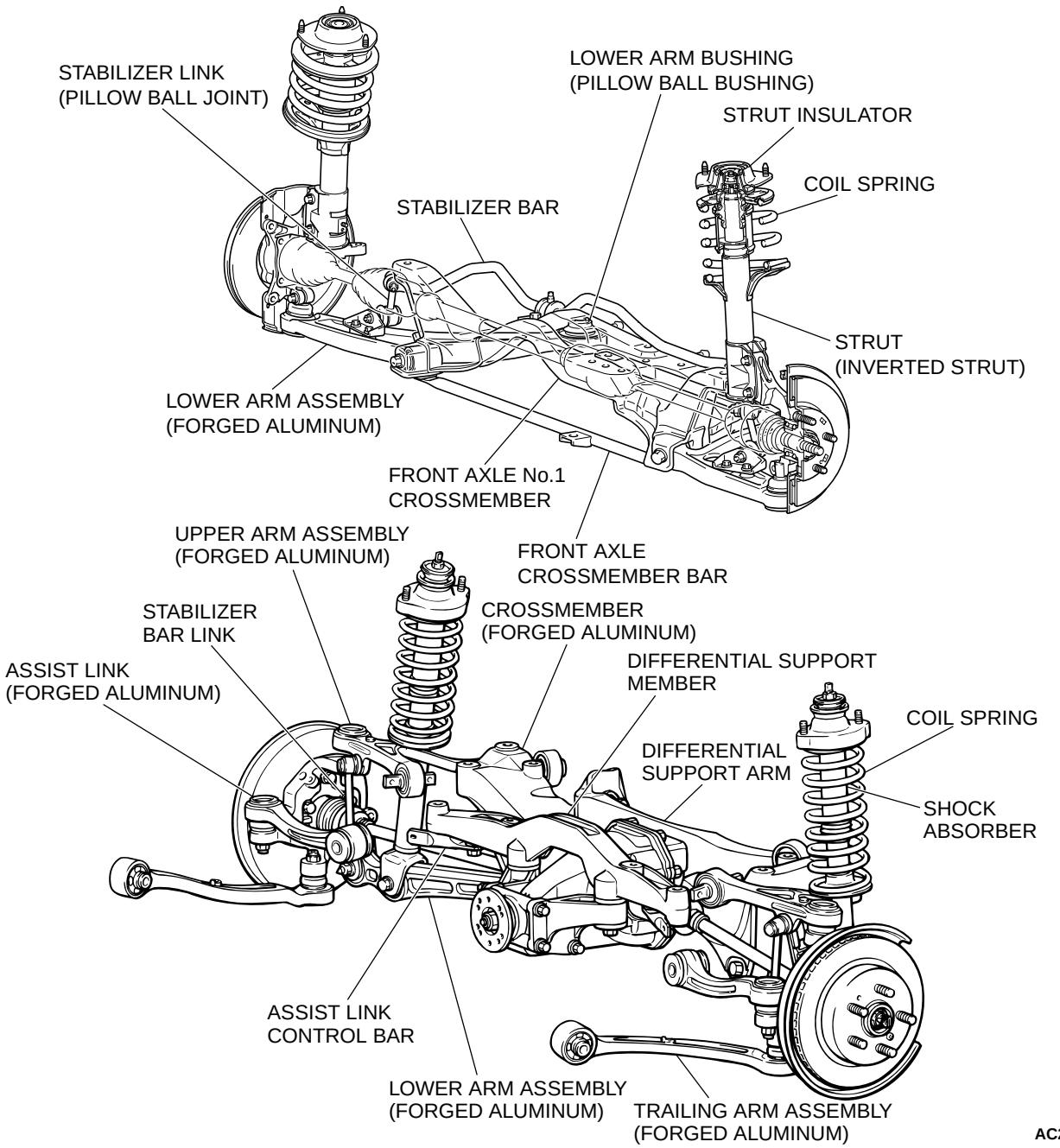
M2000021000107

MANUAL TRANSAXLE

5-speed manual transaxle is provided.

SUSPENSION

M2000023000095



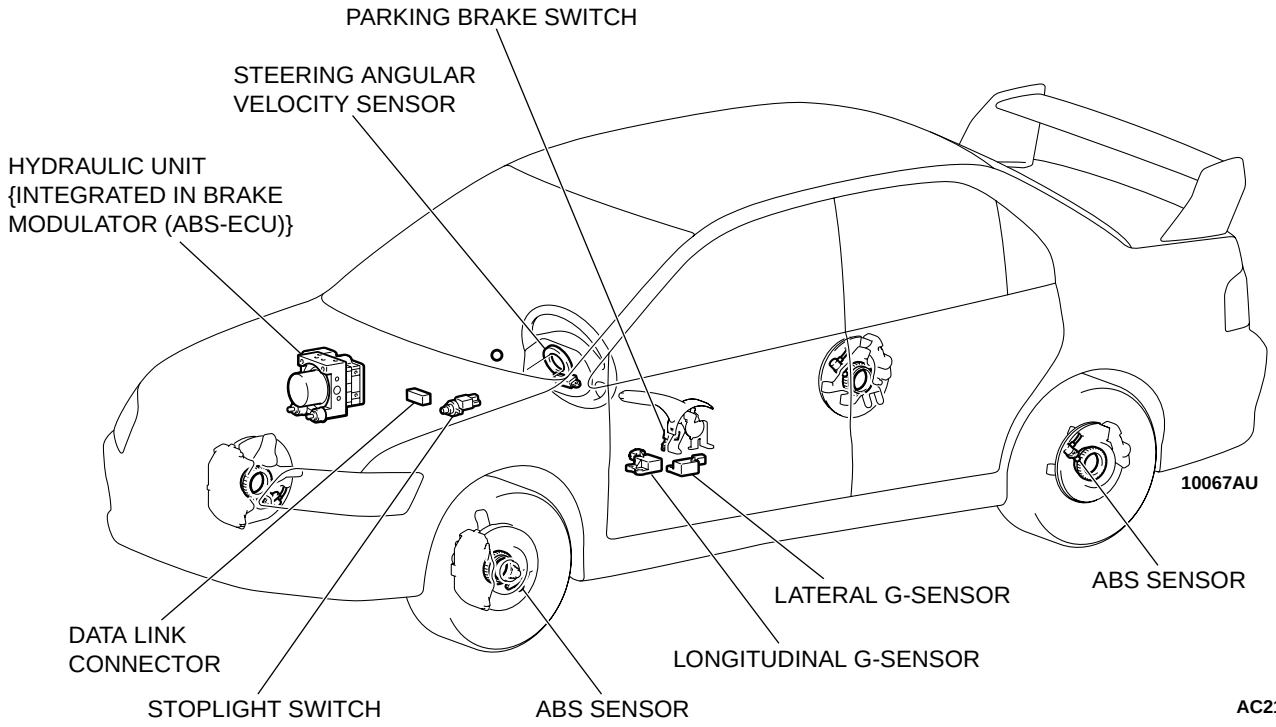
AC211449AB

A MacPherson strut independent suspension is used in front. Aggressive use of special components that include Mitsubishi Motor's own inverted struts and forged aluminum parts reduces weight. A trailing arm type multi-link suspension is used in rear. In contrast to the trailing arm multi-link system used on the Lancer, the Lancer Evolution uses a newly developed multi-link system built on a double wishbone base for superior handling stability. Optimum design of the suspension points and use of aluminum parts for the suspension arms and crossmember reduces weight to the limit. In addition, ball joints on the suspension arms reduce friction for superior performance under all driving conditions.

ACTIVE SAFETY

BRAKING SYSTEM

M2000031000090



Top components such as Brembo™ brakes, EBD and sports ABS aim to improve braking power and braking stability.

SPORTS ABS

- 4-wheel independent control optimizes the brake force to each wheel to achieve a balance of improved braking force and braking stability.
- A steering angular velocity sensor monitors the steering angle status. Braking force is altered in response to the steering status to improve the quality of steering when braking during cornering.
- The steering angular velocity sensor, lateral G-sensor and longitudinal G-sensor monitor driving conditions and optimize ABS control to match the specific driving conditions.

EBD (Electronic Brake-force Distribution system)

- Rear brake power is electronically controlled to optimize performance in accordance with road and load conditions and to ensure optimal distribution of braking force between the front and rear brakes.
- Rear brake fluid pressure control employs a brake modulator hydraulic unit solenoid valve that made it possible to eliminate the pressure control valves (proportioning valves).
- Effective use of rear wheel brake force reduces temperature build-up in the front brakes under hard braking conditions.
- Independent control of the left and right rear brakes when braking during cornering achieves a balance of improved vehicle stability and braking force.

PASSIVE SAFETY

SRS AIR BAGS

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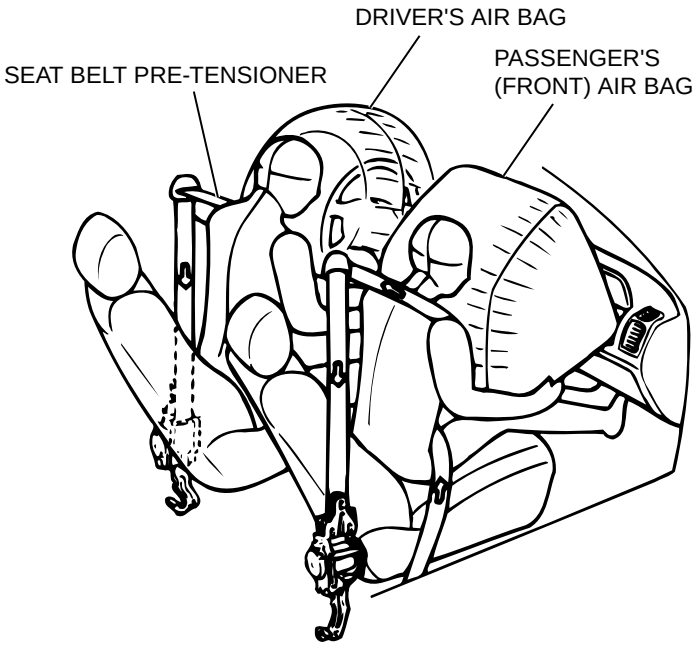


AC211587AB

Driver’s and front passenger’s air bags and seat belts with pre-tensioner are standard.

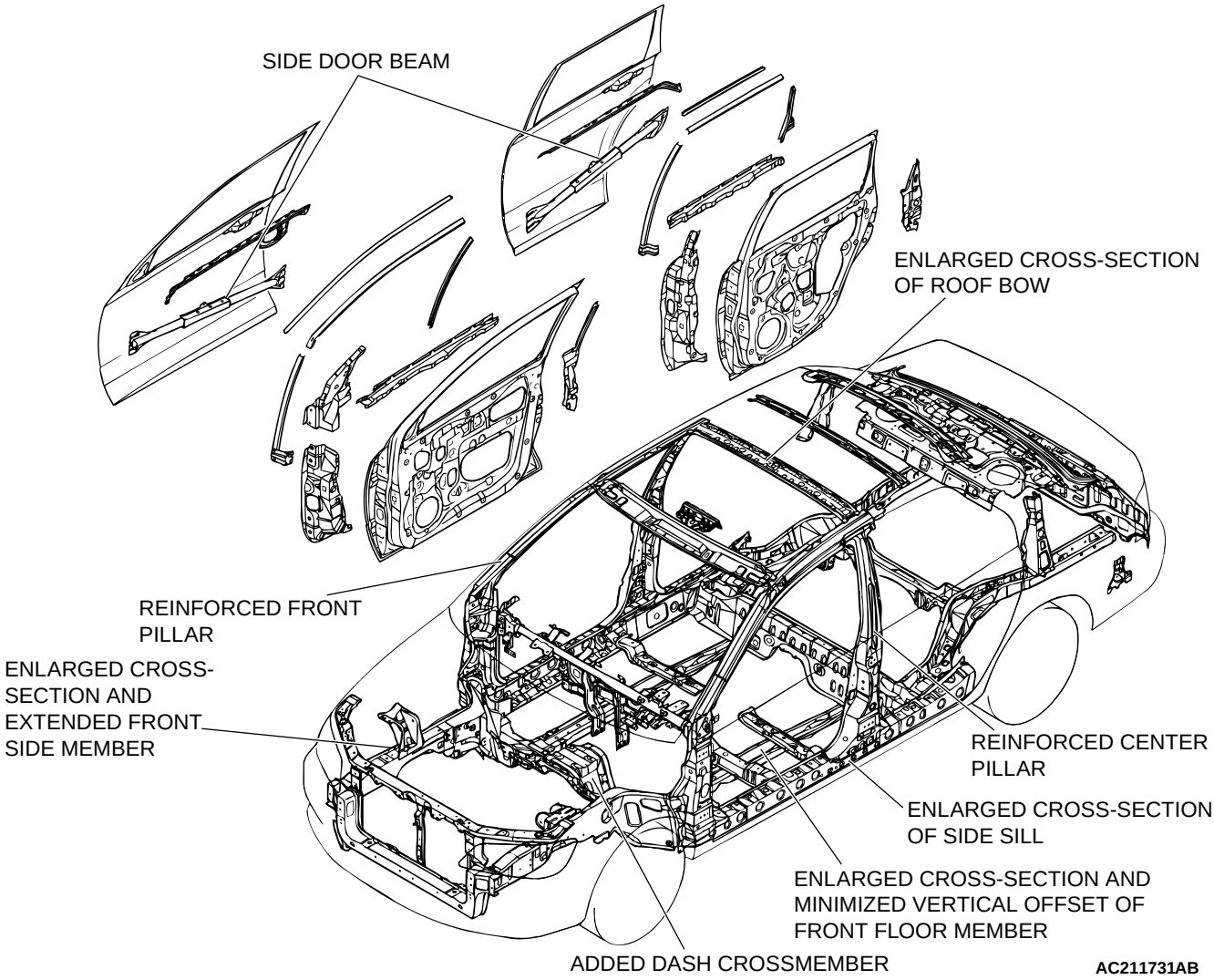
SUPPLEMENTAL RESTRAINT SYSTEM (SRS)

The SRS is designed to supplement the front seat belts. It eliminates or reduces injury to the driver and front passengers by deploying air bag(s) in a head-on collision.

SEAT BELT WITH PRE-TENSIONER

The seat belts with pre-tensioner work simultaneously with the SRS. The pre-tensioner takes up seat slack immediately in a collision by restraining the person before the air bags deploy. This prevents the passengers from moving forward.

BODY CONSTRUCTION



The Lancer Evolution-VIII safety-enhanced body structure comprises front and rear crushable zones that absorb the impact energy of front and rear collisions. A deformation-resistant, highly rigid cabin structure features strategic reinforcements plus a large side-door beam.

ENVIRONMENTAL PROTECTION

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

OTHER SAFETY FEATURES

- 3-point ELR seatbelts
- Front fog lights
- Child-protection rear door locks
- Child restraint fitting

M2000027000138

Items Dealing with Environmental Protection

PREVENTION OF ATMOSPHERIC POLLUTION	PART NAME	MAIN DETAIL
Recycling	Air cleaner case	Application of recycled polypropylene material that contains recycled paper makes effective use of resources and reduces weight.
	Hood weatherstripping	Use of a thermoplastic elastomer olefin material makes recycling easier.
	Engine control vacuum hose	
Reduction of hazardous substances	Glass ceramic print	No lead compounds.
	Intake valve sheet	No lead used as a lubricant.
	Electropaint	Lead-free compound used.
	Fuel tank	No lead-tin alloy coating.
Air pollution prevention	Cylinder head gasket	The metal reduces sheet thickness, which reduces the crevice volume of the combustion chamber and decreases the production of unburned hydrocarbons (HC).
Weight reduction (improve fuel economy)	Rear spoiler	Use of carbon fiber reduces weight by 35 percent and increases strength, so the spoiler is thinner and aerodynamics are improved.
	MAT construction aluminum wheel.	Weight is reduced by 10 percent.
	Aluminum retainer	Change to aluminum reduces weight by 55 percent.

SERVICEABILITY AND RELIABILITY

M2000028000131

MUT-III (Multi Use Tester-III)

Comprehensive improvements have been made to the MUT-II, a tester for diagnosing problems with the electronic control system. For easier servicing, the newly developed MUT-III has greatly improved functions and is much easier to use. The MUT-III expands the functions of the MUT-II in the following ways:

1. Interactive Error Diagnosis
   - In response to the nature of the problem, the corresponding troubleshooting page from the maintenance manual is retrieved.
   - Service data is displayed, and from the actuator test screen, the page of the maintenance manual is retrieved for a list of inspection reference values.
2. Service Manual Viewer
   - The new model guide and maintenance manual can be displayed on a PC monitor.

ENHANCED DIAGNOSIS SYSTEM

Diagnosis functions have been included for the following systems, so that it is possible to use the scan tool to read the diagnosis codes and service data and to carry out actuator tests. It is also possible to read the diagnosis codes by the flashing of the warning light in some systems.

- MFI
- 4ABS
- SRS air bag
- Simplified Wiring System (SWS)

VEHICLE IDENTIFICATION

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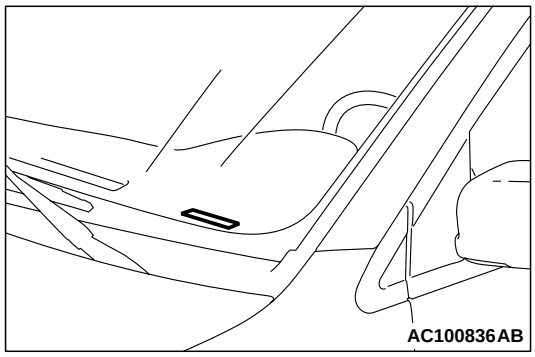
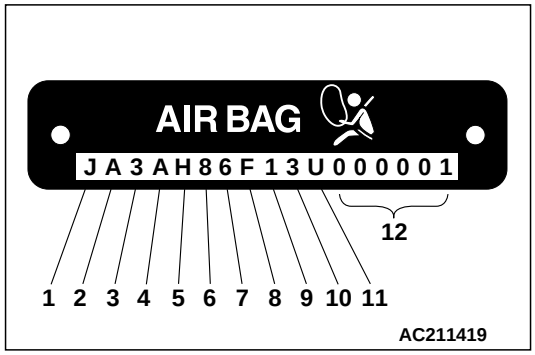


VEHICLE IDENTIFICATION NUMBER LOCATION

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	3: Passenger car
4	Others	A: Driver and passenger air bags
5	Line	H: LANCER AWD
6	Price class	8: Sports
7	Body	6: 4-door sedan
8	Engine	F: 2.0L
9	Check digits*	0, 1, 2, 3, ----------9, X
10	Model year	3: 2003 year
11	Plant	U: Mizushima
12	Serial number	000001 to 999999

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

VEHICLE IDENTIFICATION NUMBER LIST

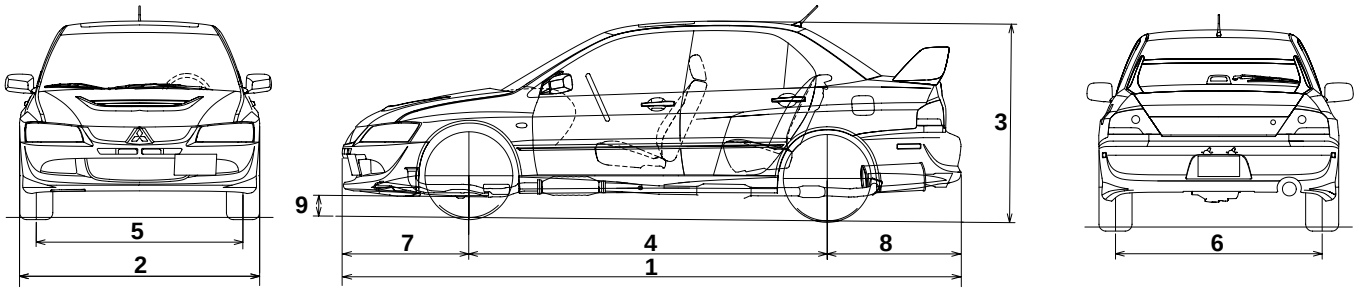
Note that vehicle is certified as a 50-state emissions.

VIN (EXCEPT SEQUENCE NUMBER)	BRAND	ENGINE DISPLACEMENT	MODEL CODE
JA3AH86F_3U	MITSUBISHI LANCER EVOLUTION-VIII	2.0L	CT9ASNGFZL2M

GENERAL DATA AND SPECIFICATIONS

M2000030000116

GENERAL SPECIFICATIONS



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ITEM			CT9A SNGFZL 2M
Vehicle dimension mm (in)	Overall length	1	4,535 (178.5)
	Overall width	2	1,770 (69.7)
	Overall height (unladen)	3	1,450 (57.1)
	Wheelbase	4	2,625 (103.3)
	Tread-front	5	1,515 (59.6)
	Tread-rear	6	1,515 (59.6)
	Front overhang	7	930 (36.6)
	Rear overhang	8	980 (38.6)
	Minimum running ground clearance	9	140 (5.5)
Vehicle weight kg (lb)	Curb weight		1,506 (3,320)
	Gross vehicle weight rating		1,915 (4,222)
	Gross axle weight rating-front		1,030 (2,271)
	Gross axle weight rating-rear		905 (1,995)
Seating capacity			5
Engine	Model No.		4G63 T/C I/C
	Piston displacement		2.0L
Transaxle	Model No.		W5M51
	Type		5-speed forward, 1-speed reverse constant mesh
Fuel system	Fuel supply system		Electronic controlled multiport fuel injection

NOTES