MAINTENANCE INFORMATION

1998 Mitsubishi Galant

1997-98 MAINTENANCE
Mitsubishi Maintenance Information

Galant

* PLEASE READ THIS FIRST *

NOTE: For scheduled maintenance intervals and the related fluid capacities, fluid specifications and labor times for major service intervals, see SCHEDULED SERVICES article below:

* SCHEDULED SERVICES - 1997

Warranty information and specifications for fluid capacities, lubrication specifications, wheel and tire size, and battery type are covered in this article.

MODEL IDENTIFICATION

VIN LOCATION

The Vehicle Identification Number (VIN) is located on the left side of the dash panel at the base of the windshield. The VIN chart explains the code characters.

VIN CODE ID EXPLANATION

Numbers preceding the explanations in the legend below refer to the sequence of characters as listed on VIN identification label. See VIN example below.

(VIN)	J	A	3	B	B	4	6	L	1	H	Y	7	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

1 - Manufacturing Country
- J * Japan
- 4 * USA

2 - Manufacturer
- A * Mitsubishi Motor Corp

3 - Vehicle Type
- 3 * Passenger Car

4 - Restraint System
- A * Driver and Passenger Air Bags

5 - Vehicle Line
- J * Galant

6 - Vehicle Series
- 4 * High
- 5 * Premium

7 - Body Type
- 6 * 4-Door Sedan

8 - Engine Type
  G * 2.4L 4-Cylinder SOHC MFI

9 - VIN Check Digit
     * 1 Through 9 Or X

10 - Vehicle Model Year
  V * 1997

11 - Assembly Plant
  E * DSM Plant, Normal Illinois USA

12-17 - Serial Number (1986-96)
     * Sequential Production Number

MAINTENANCE SERVICE INFORMATION

SEVERE & NORMAL SERVICE DEFINITIONS

NOTE: Use the Severe Service schedule if the vehicle to be serviced is operated under ANY (one or more) of these conditions:

Service is recommended at mileage intervals based on vehicle operation. Service schedules are based on the following primary operating conditions:

Normal Service

* Driven More Than 10 Miles Daily
* No Operating Conditions From Severe Service Schedule

Severe Service (Unique Driving Conditions)

* Driving In Dusty Conditions
* Towing A Trailer, Police, Taxi, Or Commercial Type Operation
* Extensive Idling, Driving In Stop And Go Traffic
* Short-Trip Operation At Freezing Temperatures (Engine Not Thoroughly Warmed Up)
* Driving In Sandy Areas
* Driving In Salty Areas
* More Than 50% Operation In Heavy City Traffic Or At Sustained High Speeds During Hot Weather Above 90°F (32°C)
* Driving On Off-Road

CAMSHAFT TIMING BELT

Replace the camshaft timing belt every 60,000 miles. It is recommended that the timing belt be inspected every 30,000 miles after replacement.

CAUTION: Failure to replace a faulty camshaft timing belt may result in serious engine damage.

The condition of camshaft drive belts should always be checked on vehicles which have more than 50,000 miles. Although some manufacturers do not recommend belt replacement at a specified mileage, others require it at 60,000-100,000 miles. A camshaft drive belt failure may cause extensive damage to internal engine components on most engines, although some designs do not allow piston-to-valve contact. These designs are often called "Free Wheeling".
Many manufacturers changed their maintenance and warranty

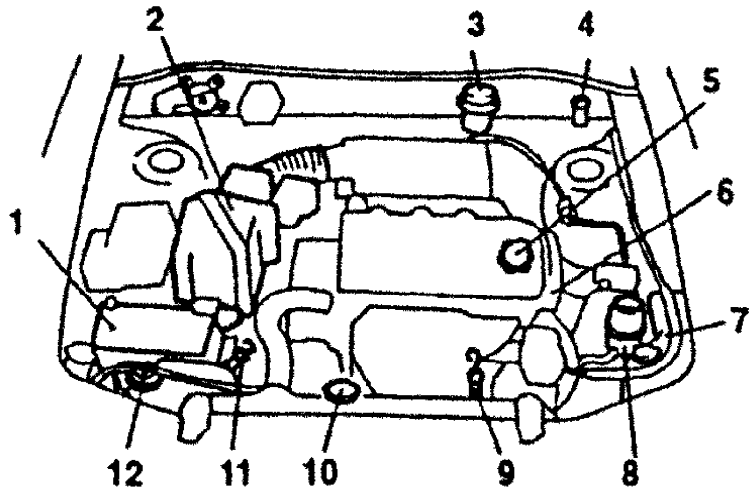
schedules in the mid-1980's to reflect timing belt inspection and/or replacement at 50,000-60,000 miles. Most service interval schedules in this manual reflect these changes.

Belts or components should be inspected and replaced if any of the following conditions exist:

* Cracks Or Tears In Belt Surface
* Missing, Damaged, Cracked Or Rounded Teeth
* Oil Contamination
* Damaged Or Faulty Tensioners
* Incorrect Tension Adjustment

SERVICE POINT LOCATIONS

2.4 liter



1- Battery
2- Air cleaner element
3- Brake fluid reservoir
4- Clutch fluid reservoir
5- Engine oil filler cap
6- Drive belt
7- Windshield washer reservoir
8- Power steering fluid reservoir
9- Engine oil level dipstick
10- Radiator cap
11- Automatic transaxle fluid level dipstick
12- Engine coolant reservoir

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Fig. 1: Service Point Locations (2.4L)
Courtesy of Mitsubishi Motor Sales of America.

2.5 liter

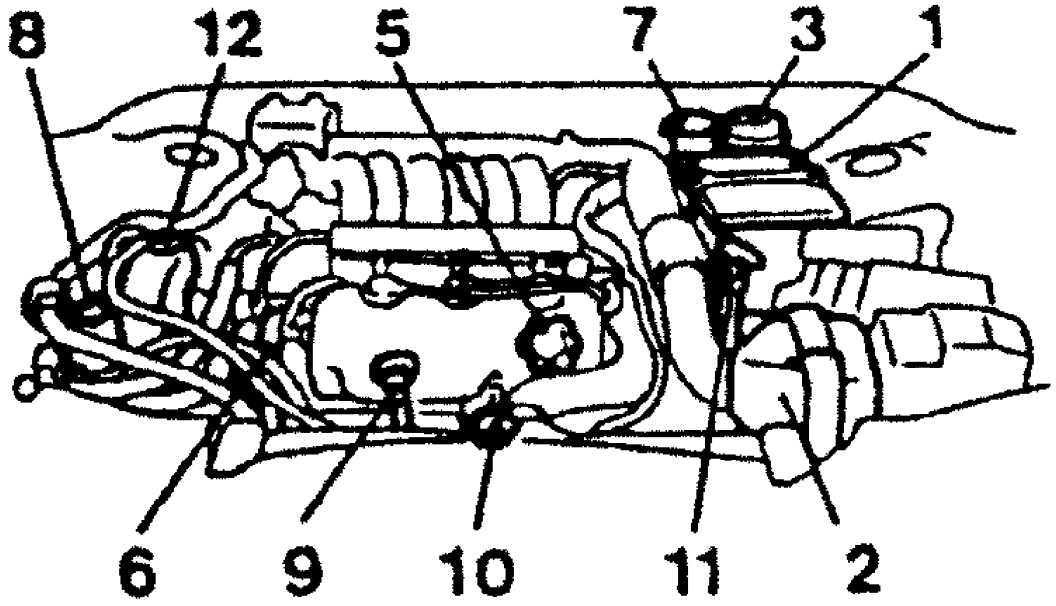

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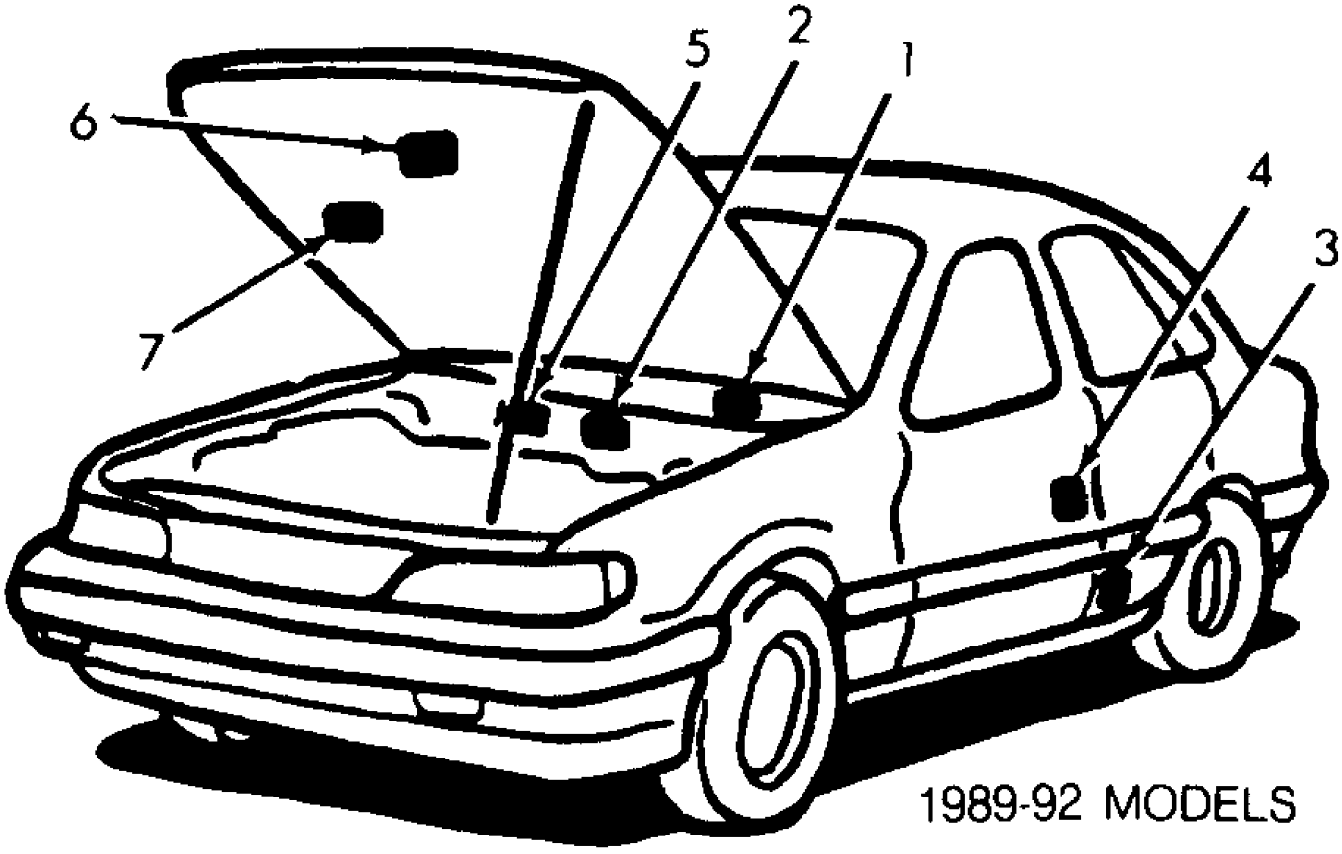
Fig. 2: Service Point Locations (2.5L)
Courtesy of Mitsubishi Motor Sales of America.

INFORMATION LABEL LOCATIONS



1. Vehicle Identification Number (VIN) Plate
2. Chassis Number
3. Certification Label
4. Tire Inflation Pressure Label
5. Vehicle Information Code Plate
6. Vehicle Emission Control Information Label
7. Service Points Label

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Fig. 3: Information Label Locations (1989-92 Models)
Courtesy of Mitsubishi Motor Sales of America.

LUBRICATION SPECIFICATIONS

LUBRICATION SPECIFICATIONS TABLE

Material	Condition	Specification
Engine Oil (1)	Ambient Temperature Less Than 0°F (-18°C) To 100°F (38°C)	SAE 5W-30
	Ambient Temperature Above 0°F (-18°C) To Over 100°F (38°C)	SAE 10W-30
Power	All	Automatic Transmission

Steering Fluid		Fluid DEXRON II
Engine Coolant	All	50/50 Mixture Of Distilled Water & Ethylene Glycol
Manual Transaxle	All	API Classification GL-4 SAE 75W-85W Or 75W-90
Automatic Transaxle	All	DIAMOND ATF SP II Or Equivalent
Brake Fluid	All	Conforming To DOT 3 Or DOT 4
Clutch Fluid	All	Conforming To DOT 3 Or DOT 4
Transaxle Linkage, Parking Brake Cable Mechan-ism, Hood Lock & Hook, Door Latches Seat Adjusters	All	Multipurpose Grease NLGI Grade 2
Door Hinges, Deck Lid Hinges	All	Engine Oil
A/C Refrigerant	All	HFC-134a
(1) - SAE 5W-30 engine oil is preferred. SAE 10W-30 may be used if the Ambient Temperature is above 0° F (-18° C).		

FLUID CAPACITIES

FLUID CAPACITIES TABLE (1)

Item	Condition	Specification
Engine Oil	Oil Pan	4.2 Qts. (4.0L)
	Oil Filter	0.32 Qts. (0.3L)
Engine Coolant	Drained; With Reserve Tank	8.1 Qts. (6.7L)
Manual Transaxle	Drained	2.1 Qts. (2.0L)
Automatic Transaxle	2.4L: Drained	6.3 Qts. (6.0L)
	2.5L: Drained	9.1 Qts. (8.6L)
Power	Drained	1.0 Qts. (0.9L)

Steering		
A/C Refrigerant	Drained	680 g
Fuel Tank	Capacity	16.9 gal (64L)

(1) - Capacities are recommended or calculated levels. Always use dipstick to measure level.

WHEEL & TIRE SPECIFICATIONS

SERVICE INFORMATION

Tire specifications are imprinted on the tire side wall. The recommended cold tire inflation pressures are listed on a label attached to the rear face of the driver's door.

CAUTION: DO NOT mix tires of different design such as radial ply with bias or bias-belted tires. Mixing tire types will adversely affect road handling and may lead to loss of vehicle control. DO NOT use tire chains on rear wheels.

TIRE & WHEEL SPECIFICATIONS TABLE

Wheel Size	Tire Size
Standard	
14 x 5.5JJ (Steel)	P185/70 R14 87H
15 x 6JJ (Aluminum)	P195/60 R15 88H
15 x 6JJ (Aluminum)	P205/60 R15 90H
Spare	
15 x 4T (Steel)	T125/70 D15

TORQUE SPECIFICATIONS

TORQUE SPECIFICATIONS TABLE

Wheel Type	Ft. Lbs. (N.m.)
Steel & Aluminum	65-80 (90-110)

BATTERY SPECIFICATIONS

CAUTION: When battery is disconnected, vehicles equipped with computers may lose memory data. When battery power is restored, driveability problems may exist on some vehicles. These vehicles may require a relearn procedure. See COMPUTER RELEARN PROCEDURES article in the GENERAL INFORMATION Section.

CAUTIONS & WARNINGS

SUPPLEMENTAL RESTRAINT SYSTEM (AIR BAG)

NOTE: See the AIR BAGS article in the ACCESSORIES/SAFETY EQUIPMENT Section.

Modifications or improper maintenance, including incorrect removal and installation of the Supplemental Restraint System (SRS), can adversely affect system performance. DO NOT cover, obstruct or change the steering wheel horn pad in any way, as such action could cause improper function of the system. Use only plain water when cleaning the horn pad. Solvents or cleaners could adversely affect the air bag cover and cause improper deployment of the system.

WARNING: Service on or around Air Bag System Components or Wiring must be preformed only by an authorized Suzuki dealer. Please observe all WARNINGS and SERVICE PRECAUTIONS.

WARNING: Technical service work must be started at least 90 seconds after the ignition switch is turned to the LOCK position and the cable is disconnected from the battery.

WARNING: Never attempt to disassemble or repair the passenger air bag (inflator) module. If any abnormality is found, be sure to replace it with new one as an assembly.

WARNING: To avoid injury from accidental air bag deployment, read and carefully follow all warnings and service precautions. See appropriate AIR BAG RESTRAINT SYSTEM article in the ACCESSORIES/SAFETY EQUIPMENT section.

CAUTION: Disconnect negative battery cable before servicing any air bag system, steering column or passenger side dash component. After any repair, turn ignition key to the ON position from passenger's side of vehicle in case of accidental air bag inflation

AIR CONDITIONING SERVICING

WARNING: Avoid breathing R-134a refrigerant and PAG lubricant vapors, exposure may irritate eyes, nose and throat. To remove R-134a from system use R-134a recycling equipment that meets SAE J2210 specifications. If accidental system discharge occurs, ventilate work area before resuming service.

WARNING: R-134a service equipment or vehicle A/C systems SHOULD NOT be pressure tested or leak tested with compressed air. Some mixtures of air/R134a have shown to be combustible at elevated pressures. These mixtures are dangerous and may cause fire and/or explosions. See AIR CONDITIONING SERVICE article in GENERAL INFORMATION section.

AIR CLEANER FILTER

WARNING: Operating the engine with the air cleaner off can cause you or others to be burned. The air cleaner not only cleans the air, it stops flame if the engine backfires. Do not drive with it off, and be careful working on the engine with the air cleaner off.

ANTI-LOCK BRAKE SYSTEM

The anti-lock brake system contains electronic equipment that can be susceptible to interference caused by improperly installed or high output radio transmitting equipment. Since this interference could cause the possible loss of the anti-lock braking capability,

such equipment should be installed by qualified professionals.

On models equipped with anti-lock brake systems, ALWAYS observe the following cautions:

* DO NOT attempt to bleed hydraulic system without first referring to the appropriate ANTI-LOCK BRAKE SYSTEM article in the BRAKES Section.
* DO NOT mix tire sizes. As long as tires remain close to the original diameter, increasing the width is acceptable. Rolling diameter must be identical for all 4 tires. Some manufacturers recommend tires of the same brand, style and type. Failure to follow this precaution may cause inaccurate wheel speed readings.
* Use ONLY recommended brake fluids. DO NOT use silicone brake fluids in an ABS-equipped vehicle.

ALL-WHEEL DRIVE (AWD) OPERATION

AWD vehicles are not designed for off-road use and are unsuitable for driving on bumpy ground that may cause excessive strain. AWD vehicles should be driven only under the same conditions suitable for FWD vehicles.

AUTOMATIC TRANSAXLE SERVICE

WARNING: Make certain that no fluid is spilled when the transaxle fluid is inspected, or when fluid is added soon after driving (since the engine is hot). If the fluid spills onto the exhaust manifold, there is danger of fire.

BATTERY SERVICE

WARNING: When battery is disconnected, vehicles equipped with computers may lose memory data. When battery power is restored, driveability problems may exist on some vehicles. These vehicles may require a relearn procedure. See COMPUTER RELEARN PROCEDURES article in GENERAL INFORMATION section.

WARNING: Batteries produce flammable hydrogen gas. Keep flames and sparks away from the battery or and explosion may occur. Never smoke when working in the vicinity of the battery.

WARNING: When checking or servicing the battery, disconnect the negative cable. Be careful not to cause a short circuit by allowing metal objects to contact the battery posts and the vehicle at the same time.

CAUTION: Never disconnect the battery while the engine is running; doing so could damage the car’s electrical components.

REPLACING BLOWN FUSES

Before replacing a blown fuse, remove ignition key, turn off all lights and accessories to avoid damaging the electrical system. Be sure to use fuse with the correct indicated amperage rating. The use of an incorrect amperage rating fuse may result in a dangerous electrical system overload.

BRAKE PAD WEAR INDICATOR

Indicator will cause a squealing or scraping noise, warning

that brake pads need replacement.

BRAKE FLUID

WARNING: DO NOT use reclaimed fluid or fluid that has been stored in old or open containers. It is essential that foreign particles and other liquids are kept out of the brake fluid reservoir.

CATALYTIC CONVERTER

Continued operation of vehicle with a severe malfunction could cause converter to overheat, resulting in possible damage to converter and vehicle.

ENGINE COOLANT SERVICE

WARNING: To avoid the danger of being scalded never change the coolant when the engine is hot.

WARNING: Never remove the radiator cap when the engine is hot Serious burns could be caused by high pressure fluid escaping from the radiator.

CAUTION: When adding or replacing engine coolant, use a high quality ethylene glycol antifreeze diluted with 50% distilled water. When putting the cap on the reserve tank, line up the arrow on the cap and the arrow on the tank, or coolant can leak out

ENGINE DRIVE BELT SERVICE

WARNING: Be sure the ignition key is OFF. The engine could rotate unexpectedly.

ENGINE OIL

WARNING: The engine oil may be high enough to burn your fingers when the drain plug is loosened. Wait until the drain plug is cool enough to touch with you bare hands.

WARNING: Continuous contact with used engine oil has been found to cause skin cancer in laboratory animals. Brief contact with used engine oil may irritate skin. To minimize your exposure to used oil, wear a long sleeve shirt and moisture-proof gloves when changing oil. If oil contacts your skin, wash thoroughly with soap and water.

CAUTION: Never use non-detergent or straight mineral oil.

FUEL SYSTEM SERVICE

WARNING: Relieve fuel system pressure prior to servicing any fuel system component (fuel injection models).

HALOGEN BULBS

WARNING: Halogen bulbs contain pressurized gas which may explode if overheated. DO NOT touch glass portion of bulb with bare hands. Eye protection should be worn when handling or working around halogen bulbs.

RADIATOR CAP

CAUTION: Always disconnect the fan motor when working near the radiator fan. The fan is temperature controlled and could start at any time even when the ignition key is in the OFF position. DO NOT loosen or remove radiator cap when cooling system is hot.

RADIATOR FAN

WARNING: Keep hands away from radiator fan. Fan is controlled by a thermostatic switch which may come on or run for up to 15 minutes even after engine is turned off.

WARRANTY INFORMATION

CAUTION: Due to the different warranties offered in various regions and the variety of after-market extended warranties available, please refer to the warranty package that came with the vehicle to verify all warranty options.

FUSES & CIRCUIT BREAKERS

FUSE PANEL LOCATION

The fuse block is located under the instrument panel on the driver's side. If a fuse is blown, locate the cause before replacing the fuse. Spare fuses are contained in the fuse block.

FUSE PANEL IDENTIFICATION

Fuse & Circuit Breaker Identification

PASSENGER COMPARTMENT

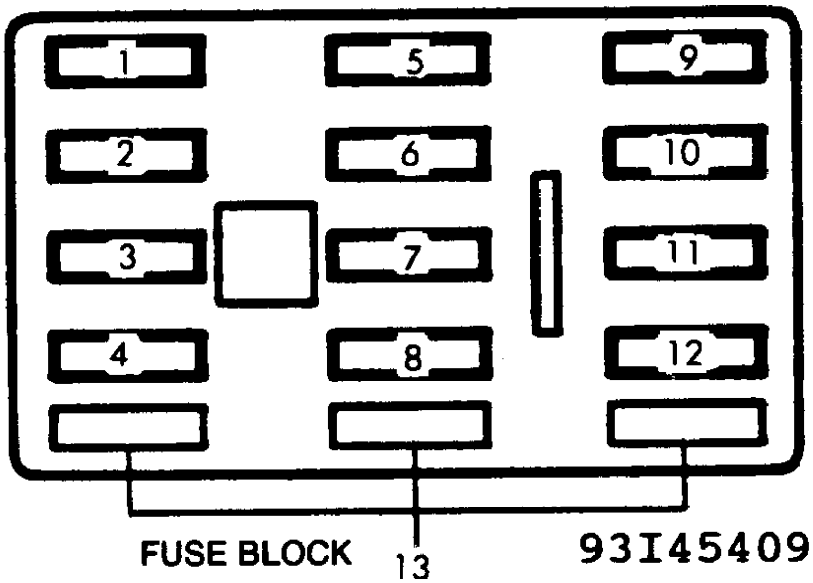

Fig. 4: Passenger Compartment Fuse Box
Courtesy of Mitsubishi Motor Sales of America.

1 - 15 Amp
Stoplights

2 - 10 Amp
Turn Signals
3 - 10 Amp
Backup Lights
4 - 30 Amp
Heater
5 - 15 Amp
Wiper
6 - 10 Amp
Meters
7 - 30 Amp
Rear Window Defogger
8 - 20 Amp
Sunroof
9 - 10 Amp
4 A/T
10 - 15 Amp
Cigarette Lighter
11 - 10 Amp
Heater Relay
12 - 10 Amp
Horn
13 - Spare Fuses

Engine COMPARTMENT 2.4L

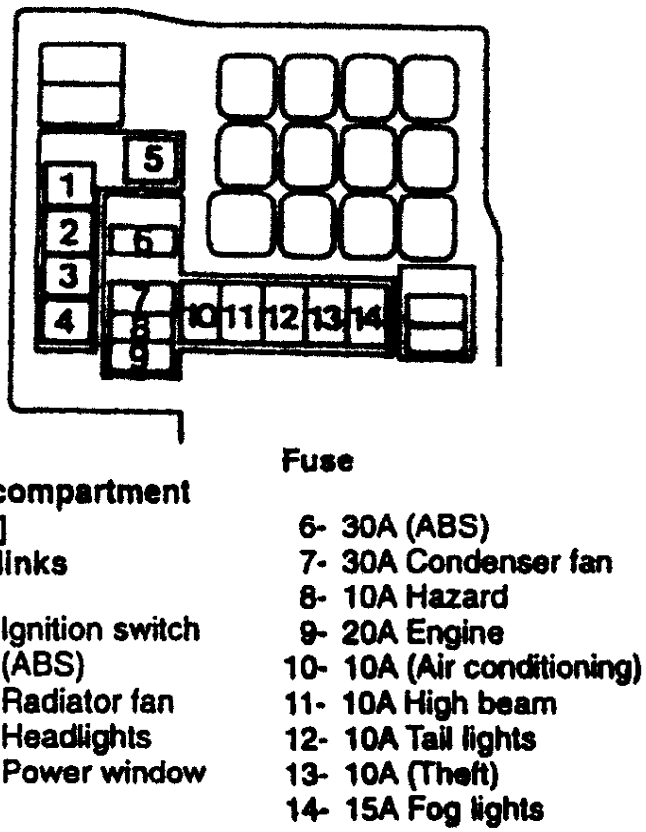

Fig. 5: Engine Compartment Fuse & Fusible Links (2.4L)
Courtesy of Mitsubishi Motor Sales of America.

1 - 30 Amp
Ignition Switch

2 - 50 Amp
ABS
3 - 30 Amp
Radiator Fan
4 - 40 Amp
Headlights
5 - 30 Amp
Power Window
6 - 30 Amp
ABS
7 - 30 Amp
Condenser Fan
8 - 10 Amp
Hazard
9 - 20 Amp
Engine
10 - 10 Amp
Air Conditioning
11 - 10 Amp
High Beam
12 - 10 Amp
Tail Lights
13 - 10 Amp
Theft
14 - 15 Amp
Fog Lights

ENGINE COMPARTMENT 2.5L

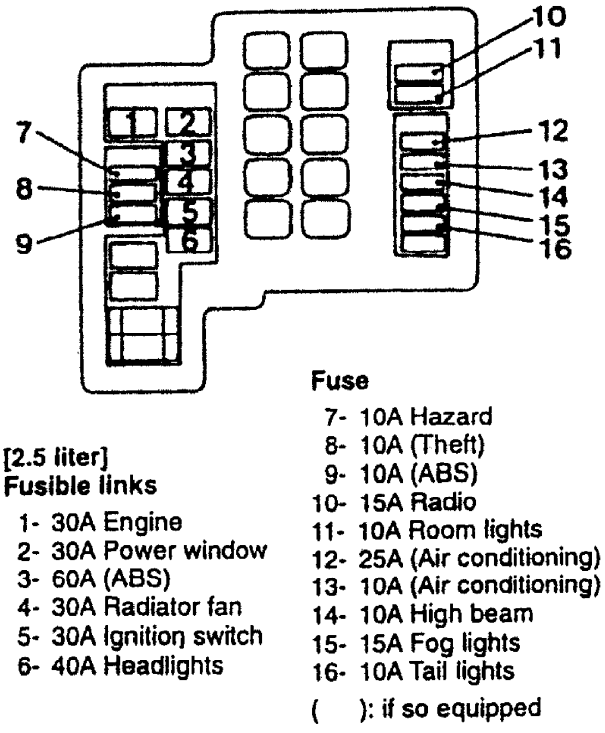

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Fig. 6: Engine Compartment Fusible Links
Courtesy of Mitsubishi Motor Sales of America.

1 - 30 Amp
Engine

2 - 30 Amp
Power Window
3 - 60 Amp
ABS
4 - 30 Amp
Radiator Fan
5 - 30 Amp
Ignition Switch
6 - 40 Amp
Headlights
7 - 10 Amp
Hazard
8 - 10 Amp
Theft
9 - 10 Amp
ABS
10 - 15 Amp
Radio
11 - 10 Amp
Room Lights
12 - 25 Amp
Air Conditioning
13 - 10 Amp
Air Conditioning
14 - 10 Amp
High Beam
15 - 15 Amp
Fog Lights
16 - 10 Amp
Tail Lights