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› [Haynes Repair Manual for Mitsubishi Eclipse, Laser, and Talon \(1990-1994\)](#)

Haynes Eclipse, Laser, Talon 1990-1994

Haynes Repair Manual for Mitsubishi Eclipse, Laser, and Talon (1990-1994)

Comprehensive Automotive Repair and Maintenance Guide

INTRODUCTION

This Haynes Repair Manual provides detailed instructions and illustrations for the maintenance, service, and repair of **1990-1994 Mitsubishi Eclipse, Plymouth Laser, and Eagle Talon** vehicles. It is designed to assist both the novice and experienced mechanic in performing various tasks to keep their vehicle in optimal condition.

Mitsubishi Eclipse Plymouth Laser & Eagle Talon

1990 thru 1994 □ All models



Haynes Repair Manual

Based on a complete teardown and rebuild



Includes essential information for today's more complex vehicles

Image: Front cover of the Haynes Repair Manual, illustrating the vehicle models covered.

The manual covers a wide range of topics, including routine maintenance, tune-up procedures, engine repair, cooling and heating systems, air conditioning, fuel and exhaust systems, emissions control, ignition, brakes, suspension and steering, electrical systems, and comprehensive wiring diagrams.

GETTING STARTED WITH YOUR MANUAL

To effectively use this repair manual, familiarize yourself with its layout and conventions. Each chapter focuses on a specific system or component of the vehicle. Procedures are presented in a step-by-step format, accompanied by photographs and illustrations to guide you through each task.

- **Safety First:** Always read the safety warnings and precautions at the beginning of each chapter before starting any work.
- **Tools and Equipment:** Ensure you have the necessary tools and equipment as specified for each procedure.
- **Understanding Diagrams:** Pay close attention to wiring diagrams and exploded views for component identification and assembly.
- **Cross-referencing:** Use the index to quickly locate specific topics or procedures.

MAINTENANCE PROCEDURES

Regular maintenance is crucial for the longevity and performance of your vehicle. This section details routine checks and services recommended at specific intervals.

Routine Checks

- Fluid level checks (engine oil, coolant, brake fluid, power steering fluid, transmission fluid).
- Tire pressure and wear inspection.
- Lighting and electrical system checks.
- Wiper blade inspection.

Scheduled Services

Refer to the maintenance schedule provided in the manual for detailed intervals for:

- Oil and filter changes.
- Air filter replacement.
- Spark plug inspection and replacement.
- Brake system inspection and service.
- Timing belt inspection/replacement (if applicable).

REPAIR PROCEDURES

This manual provides step-by-step guidance for various repair tasks, from minor adjustments to major component overhauls. Key areas covered include:

- **Engine Repair:** Detailed procedures for engine removal, disassembly, inspection, reassembly, and installation.
- **Cooling and Heating:** Service and repair of radiators, thermostats, water pumps, heaters, and air conditioning components.
- **Fuel and Exhaust:** Maintenance and repair of fuel injection systems, fuel pumps, exhaust manifolds, and catalytic converters.
- **Brakes:** Instructions for brake pad/shoe replacement, caliper service, and hydraulic system bleeding.
- **Suspension and Steering:** Procedures for shock absorber/strut replacement, steering gear service, and alignment considerations.
- **Electrical Systems:** Troubleshooting and repair of charging, starting, and lighting systems, including comprehensive wiring diagrams.

TROUBLESHOOTING

A dedicated troubleshooting section is included to help identify specific problems based on symptoms. This section provides diagnostic charts and common solutions for various vehicle issues.

Common Issues and Diagnostics

- **Engine Performance:** Rough idling, misfires, lack of power, excessive fuel consumption.
- **Brake System:** Squealing, grinding, pulling to one side, soft pedal.
- **Electrical Problems:** Non-functioning lights, power windows, or radio; battery drain.
- **Cooling System:** Overheating, coolant leaks, inefficient heating.

Follow the diagnostic steps carefully, starting with the simplest checks, to pinpoint the root cause of the problem.

SPECIFICATIONS

This section provides important technical specifications for the Mitsubishi Eclipse, Plymouth Laser, and Eagle Talon models from 1990-1994. These specifications are essential for proper maintenance and repair.

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SUPPORT AND TIPS

Haynes manuals are designed to provide comprehensive support for vehicle owners and mechanics. This manual includes:

- **Tips:** Valuable shortcuts to make jobs easier and often eliminate the need for special tools.
- **Notes, Cautions, and Warnings:** Important information for the home mechanic to ensure safety and proper procedure execution.
- **Color Spark Plug Diagnosis:** A visual guide to help diagnose engine conditions based on spark plug appearance.
- **Easy-to-Use Index:** For quick reference to specific topics.

For additional support or specific technical questions not covered in detail, it is recommended to consult a certified automotive technician or refer to official manufacturer service information.

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