

## 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

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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

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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.

