

Toyota Celica

1999 Toyota Celica Repair Shop Manual

Original Service and Maintenance Guide

INTRODUCTION

This manual provides comprehensive service, repair, and maintenance information for the 1999 Toyota Celica. It is designed for use by qualified service technicians and experienced DIY enthusiasts to ensure proper vehicle operation and longevity. Adherence to the procedures outlined herein is crucial for maintaining vehicle safety and performance.

Always refer to the specific sections for detailed instructions, diagrams, and specifications relevant to the task at hand. Use appropriate safety precautions and tools when performing any service or repair.

HOW TO USE THIS MANUAL

This manual is organized into various sections, each covering a specific system or component of the 1999 Toyota Celica. To effectively use this manual:

- **Locate the relevant section:** Use the chapter titles and subheadings to find the system you need to work on (e.g., Engine, Transmission, Brakes).
- **Review safety warnings:** Always read and understand all safety warnings and precautions before beginning any procedure.
- **Follow step-by-step instructions:** Perform tasks in the order presented, paying close attention to torque specifications and special tool requirements.
- **Consult diagrams and illustrations:** Visual aids are provided to clarify component locations and assembly procedures.

VEHICLE SYSTEMS OVERVIEW

The 1999 Toyota Celica incorporates several complex systems that work in conjunction to provide a reliable driving experience. This manual details the following primary systems:

- **Engine:** Covers engine removal, installation, overhaul, and component specifications.
- **Transmission/Transaxle:** Details manual and automatic transmission service, including fluid checks and

component replacement.

- **Brakes:** Instructions for disc and drum brake systems, ABS diagnostics, and hydraulic system maintenance.
- **Suspension and Steering:** Procedures for front and rear suspension, wheel alignment, and power steering system service.
- **Electrical System:** Wiring diagrams, component testing, and troubleshooting for various electrical circuits.
- **Body and Interior:** Repair and adjustment procedures for body panels, doors, windows, and interior components.

MAINTENANCE SCHEDULE

Regular maintenance is essential for the longevity and optimal performance of your 1999 Toyota Celica. Adhere to the recommended service intervals:

| Service Item | Interval (Miles/Months) | Action |
|---------------------|--------------------------|-------------------------------|
| Engine Oil & Filter | 5,000 miles / 6 months | Replace |
| Tire Rotation | 5,000 miles / 6 months | Rotate and inspect |
| Air Filter | 15,000 miles / 12 months | Inspect, replace if necessary |
| Spark Plugs | 30,000 miles / 24 months | Inspect, replace if necessary |
| Brake Fluid | 30,000 miles / 24 months | Inspect, replace if necessary |
| Coolant | 60,000 miles / 48 months | Inspect, replace if necessary |

Note: These are general guidelines. Always refer to the detailed maintenance schedule within the manual for specific requirements based on driving conditions and vehicle usage.

TROUBLESHOOTING COMMON ISSUES

This section provides guidance for diagnosing and resolving common operational problems. For complex issues, professional assistance is recommended.

Engine Starting Problems

- **Engine cranks but won't start:** Check battery charge, fuel level, spark plugs, and ignition system components.
- **Engine does not crank:** Inspect battery terminals, starter motor, and ignition switch.

Brake System Issues

- **Squealing or grinding noise:** Indicates worn brake pads or rotors. Inspect and replace as needed.
- **Soft or spongy pedal:** May indicate air in the hydraulic system or a fluid leak. Bleed brakes or inspect for leaks.

Electrical Malfunctions

- **Lights not working:** Check bulbs, fuses, and wiring connections.
- **Power windows inoperative:** Inspect fuses, window motor, and switch.

SPECIFICATIONS

This section provides key technical specifications for the 1999 Toyota Celica. Refer to the manual's specific chapters for detailed component specifications, torque values, and fluid capacities.

- **Engine Type:** Various options depending on trim level (e.g., 1.8L 4-cylinder DOHC)
- **Transmission:** 5-speed manual or 4-speed automatic
- **Fuel Tank Capacity:** Approximately 14.5 gallons (55 liters)
- **Tire Size:** Varies by model and trim (e.g., 195/60R15)
- **Curb Weight:** Approximately 2,400 - 2,600 lbs (1088 - 1179 kg)

For precise measurements and fluid types, always consult the detailed specifications tables within the physical repair manual.

SAFETY INFORMATION

Always prioritize safety when performing any maintenance or repair on your vehicle. Failure to follow safety precautions can result in serious injury or damage to the vehicle.

- Wear appropriate personal protective equipment (PPE) such as safety glasses, gloves, and hearing protection.
- Ensure the vehicle is securely supported on jack stands before working underneath it. Never rely solely on a jack.
- Disconnect the battery's negative terminal before working on electrical components.
- Allow the engine and exhaust system to cool down before working on them to prevent burns.
- Work in a well-ventilated area, especially when dealing with fluids, fumes, or welding.
- Keep a fire extinguisher readily available.

This manual is intended for informational purposes and should be used in conjunction with proper training and safety practices. Toyota is a registered trademark.