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> Nissan Sentra 1986 Service Manual

## Nissan Sentra 1986

# Nissan Sentra 1986 Service Manual

Comprehensive Repair and Maintenance Guide

## INTRODUCTION

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This service manual provides detailed information for the inspection, maintenance, and repair of the 1986 Nissan Sentra. It is designed for use by qualified service technicians and individuals with a thorough understanding of automotive systems. Adherence to the procedures outlined herein is crucial for ensuring the safety and proper operation of the vehicle.

Always refer to the latest service bulletins and technical updates from Nissan Motor Co. for the most current information.

## GENERAL INFORMATION

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Before beginning any service procedure, familiarize yourself with the vehicle's systems and safety precautions. This manual is organized into sections covering specific vehicle components and systems.

### Safety Precautions

- Always disconnect the battery negative terminal before working on electrical components.
- Use appropriate personal protective equipment (PPE) such as safety glasses and gloves.
- Ensure the vehicle is securely supported on jack stands when working underneath.
- Exercise caution when working with hot engine components or fluids.
- Refer to local regulations for proper disposal of automotive fluids and parts.

## ENGINE MAINTENANCE

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This section details routine maintenance and service procedures for the engine system.

### Oil and Filter Change

1. Warm the engine to operating temperature.
2. Place a drain pan under the oil drain plug.
3. Remove the drain plug and allow oil to drain completely.
4. Replace the drain plug with a new washer and tighten to specified torque.
5. Remove the oil filter using an appropriate wrench.
6. Apply a thin coat of new oil to the gasket of the new filter.
7. Install the new oil filter and tighten by hand until the gasket contacts the mounting surface, then turn an additional 3/4 turn.
8. Fill the engine with the recommended type and quantity of engine oil.
9. Start the engine and check for leaks.
10. Verify oil level and adjust as necessary.

**Recommended Engine Oil:** Refer to vehicle specifications for viscosity and API service classification.

**Oil Filter Part Number:** Consult your Nissan dealer or parts catalog for the correct part number.

## TROUBLESHOOTING

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This section provides diagnostic charts and common solutions for various vehicle issues.

### Engine Cranks but Will Not Start

Symptom	Possible Cause	Action
No fuel pressure	Faulty fuel pump, clogged fuel filter, empty fuel tank	Check fuel pump operation, inspect fuel filter, verify fuel level.
No spark	Faulty ignition coil, distributor issue, wiring problem	Inspect ignition system components, check wiring continuity.
Low compression	Worn piston rings, valve issues, head gasket failure	Perform a compression test, inspect cylinder head.

## SPECIFICATIONS

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Key technical specifications and torque values for the 1986 Nissan Sentra.

### Engine Specifications (Typical E16 Engine)

**Engine Type:** 1.6L (1597cc) 4-cylinder, SOHC

**Bore x Stroke:** 76.0 x 88.0 mm (2.99 x 3.46 in)

**Compression Ratio:** 9.0:1

**Ignition Timing:** 8° BTDC ± 2° (at idle)

**Spark Plug Gap:** 0.8 - 0.9 mm (0.031 - 0.035 in)

### Fluid Capacities

**Engine Oil (with filter):** 3.2 liters (3.4 US qt)

**Cooling System:** 6.5 liters (6.9 US qt)

**Manual Transmission Fluid:** 2.8 liters (3.0 US qt)

**Brake Fluid:** DOT 3 or DOT 4

## Torque Specifications (Examples)

**Wheel Lug Nuts:** 88-118 Nm (65-87 ft-lb)

**Oil Drain Plug:** 29-39 Nm (22-29 ft-lb)

**Spark Plugs:** 20-29 Nm (15-22 ft-lb)

## SUPPORT AND ADDITIONAL RESOURCES

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For further assistance, genuine Nissan parts, or professional service, please contact your authorized Nissan dealer. You can also visit the official Nissan service website for additional technical information and updates [Nissan Service & Maintenance](#)