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### Mitsubishi Minicab-Bravo U41T/U42T/U41V/U42V/U43V/U44V

# Mitsubishi Minicab-Bravo Full Mechanical Service Manual

Models: U41T, U42T, U41V, U42V, U43V, U44V (Trucks & Vans)

## INTRODUCTION

This comprehensive service manual provides detailed instructions for the maintenance and repair of Mitsubishi Minicab Truck and Bravo Van models, specifically U41T, U42T, U41V, U42V, U43V, and U44V series. With over 350 pages of information, it covers everything from routine engine tune-ups to complex procedures like rebuilding differentials and transmission removal. This manual is designed to provide the same level of detailed information available to factory mechanics, including hundreds of diagrams, step-by-step instructions, troubleshooting guides for computer issues, and settings for emission control systems.

# **MITSUBISHI MINICAB BRAVO**

## **Full Mechanical Service Edition**

**Specifications**  
**General Maintenance**  
**Engine Overhaul 3G83 DOHC-SOHC**  
**Fuel System**  
**Cooling System**  
**Emission Controls**  
**Transmission Maintenance**  
**Driveline**  
**Suspension**  
**Brake System**  
**Steering System**  
**Heater**

**2WD-4WD**  
**1990-1998**

**James Danko**

## GENERAL MAINTENANCE

This section outlines routine maintenance procedures essential for the longevity and optimal performance of your Mitsubishi Minicab or Bravo vehicle. Regular checks and servicing can prevent major issues and ensure reliable operation.

- **Engine Tune-ups:** Detailed steps for ignition timing, valve clearance adjustment, spark plug inspection, and air filter replacement.
- **Fluid Checks and Changes:** Instructions for engine oil, transmission fluid, differential fluid, brake fluid, and coolant levels and replacement schedules.
- **Belt and Hose Inspection:** Guidelines for checking the condition and tension of drive belts and coolant hoses.
- **Tire Rotation and Pressure:** Recommended procedures for tire maintenance to ensure even wear and proper handling.

## ENGINE OVERHAUL AND SYSTEMS

This section provides in-depth procedures for major engine work and related systems, including detailed diagrams and specifications for component removal, inspection, and reassembly.

### Engine Overhaul (3G83 DOHC-SOHC)

- **Cylinder Head:** Removal, inspection, cleaning, and installation procedures.
- **Cylinder Block:** Disassembly, inspection for wear, and reassembly.
- **Pistons and Connecting Rods:** Inspection, measurement, and replacement guidelines.
- **Crankshaft and Bearings:** Procedures for inspection and replacement.

### Fuel System

Covers fuel delivery, injection, and related components.

### Cooling System

Details on radiator, water pump, thermostat, and cooling fan maintenance and repair.

### Emission Controls

Instructions for inspecting, testing, and adjusting emission control components to ensure compliance and optimal engine performance.

## DRIVETRAIN AND CHASSIS

This section focuses on the components responsible for power transmission and vehicle dynamics.

### Transmission Maintenance

- **Manual Transmission:** Removal, disassembly, inspection, and reassembly procedures.
- **Automatic Transmission:** Fluid checks, filter replacement, and basic troubleshooting.
- **Clutch System:** Inspection, adjustment, and replacement of clutch components.

### Driveline

Covers propeller shafts, universal joints, and differential units for both 2WD and 4WD models. Includes instructions for rebuilding a differential.

### Suspension

Detailed procedures for inspecting and rebuilding front and rear suspension components, including shock absorbers, springs, and control arms.

## Brake System

Maintenance and repair of disc and drum brakes, master cylinder, brake lines, and parking brake system.

## Steering System

Covers steering gear, power steering pump, and linkage components.

## ELECTRICAL AND HEATING SYSTEMS

### Heater

Instructions for diagnosing and repairing the vehicle's heating system components.

## TROUBLESHOOTING

This section provides guidance on diagnosing common issues, including those related to the vehicle's computer systems. It includes flowcharts and diagnostic trouble codes (DTCs) to assist in identifying problems.

- **Engine Performance Issues:** Rough idle, misfires, lack of power.
- **Electrical Problems:** Lighting, charging, and starting system diagnostics.
- **Brake System Malfunctions:** Spongy pedal, pulling, noise.
- **Computer Issues:** How to read and interpret diagnostic codes, and common fixes for electronic control unit (ECU) related problems.

## SPECIFICATIONS

This section provides key technical specifications for the Mitsubishi Minicab-Bravo models covered by this manual.

### Product Specifications Overview

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