

## Ford Transit Connect

# 2010 Ford Transit Connect Workshop Manual

Comprehensive Repair and Maintenance Instructions

## INTRODUCTION

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This workshop manual provides detailed repair instructions for the 2010 Ford Transit Connect. It is designed to assist technicians in diagnosing, repairing, and maintaining vehicle components and systems. The manual covers the entire vehicle, from bumper to bumper, including specifications, diagnostic procedures, in-vehicle repairs, component removal and installation, and complete engine and transmission rebuilding. Refer to this manual for accurate and comprehensive information to ensure proper service and repair of your Ford Transit Connect.

## GENERAL INFORMATION AND SAFETY

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Always prioritize safety when performing any maintenance or repair procedures. Wear appropriate personal protective equipment (PPE) and follow all local safety regulations. Disconnect the battery before working on electrical systems. Use proper lifting equipment and stands when working under the vehicle.

This manual assumes the use of standard automotive tools and equipment. Specialized tools, where required, are noted in the relevant sections.

## SPECIFICATIONS

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This section provides technical specifications, fluid capacities, and torque values essential for proper assembly and adjustment. Always refer to the specific sub-sections for detailed information.

### Engine Specifications

- Engine Type: 2.0L Duratec I4
- Displacement: 1999 cc (122 cu in)
- Oil Capacity: 4.3 liters (4.5 US quarts) with filter

## Torque Specifications

Critical fasteners require specific torque values. Consult the relevant repair section for exact figures.

Examples include:

- Wheel Lug Nuts: 135 Nm (100 ft-lb)
- Engine Mount Bolts: Refer to specific engine mount section

## SCHEDULED MAINTENANCE

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Regular maintenance is crucial for the longevity and performance of your Ford Transit Connect. This section outlines recommended service intervals and procedures.

### Service Schedule Overview

Interval	Item	Action
Every 10,000 miles / 12 months	Engine Oil and Filter	Replace
Every 20,000 miles / 24 months	Cabin Air Filter	Inspect/Replace
Every 30,000 miles / 36 months	Spark Plugs	Inspect/Replace

*Note: Always refer to the detailed maintenance schedule within the manual for specific requirements based on vehicle usage and conditions.*

## ENGINE SYSTEMS

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This section covers all aspects of the engine, including diagnosis, repair, removal, installation, and complete rebuilding procedures. Detailed diagrams and step-by-step instructions are provided.

### Component Removal and Installation

For example, to remove the cylinder head:

1. Drain the cooling system.
2. Remove the intake manifold.
3. Remove the exhaust manifold.
4. Loosen cylinder head bolts in the specified sequence.
5. Carefully lift the cylinder head from the engine block.

Refer to the specific engine repair chapter for complete instructions and torque specifications.

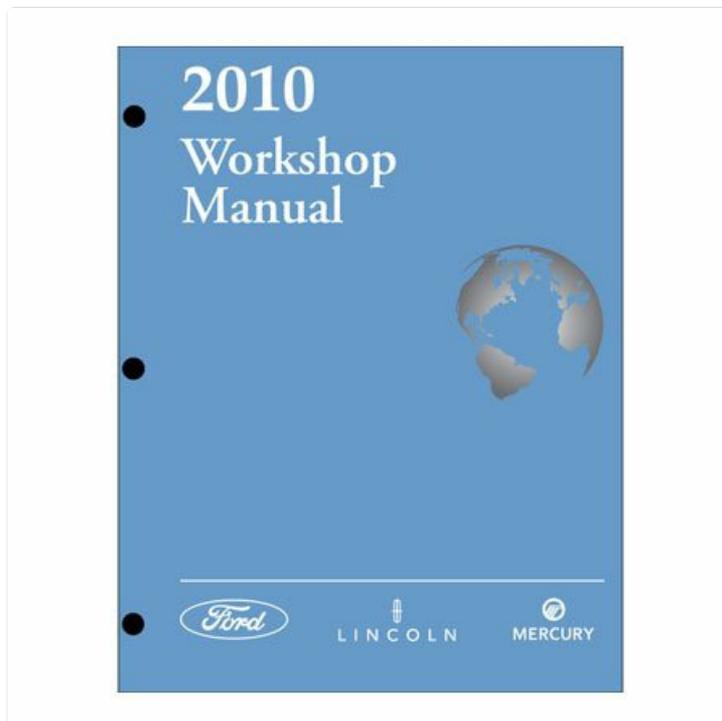


Figure 1: Overview of the 2010 Ford Transit Connect engine compartment. This image illustrates the general layout of major engine components, including the air intake, battery, and fluid reservoirs, providing a visual reference for technicians.

## TRANSMISSION SYSTEMS

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This section details the diagnosis, repair, and overhaul of both manual and automatic transmission systems available for the 2010 Ford Transit Connect. It includes procedures for fluid changes, component replacement, and complete transmission rebuilding.

*Note: Always use the correct transmission fluid type as specified by Ford.*

## TROUBLESHOOTING AND DIAGNOSTICS

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This section provides diagnostic charts and procedures to identify and resolve common vehicle issues. It covers various systems, including engine performance, electrical faults, and chassis problems.

### Diagnostic Trouble Codes (DTCs)

A list of common DTCs and their potential causes and remedies is included. Use an OBD-II scanner to retrieve codes.

- **P0301:** Cylinder 1 Misfire Detected - Check spark plug, ignition coil, fuel injector.
- **P0420:** Catalyst System Efficiency Below Threshold (Bank 1) - Inspect catalytic converter, oxygen sensors.

Follow the diagnostic flowcharts provided in the manual for systematic problem-solving.

## MANUAL INFORMATION AND SUPPORT

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This workshop manual is published by Ford and is intended for professional technicians and experienced DIY enthusiasts. For questions regarding the content of this manual, please refer to official Ford service resources or contact a certified Ford dealership.

This manual is a reference tool and does not imply any warranty on vehicle repairs performed by the user. Always ensure repairs are conducted safely and correctly.

For official Ford service information and support, please visit the [Ford Support Website](#).

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