

Bobcat T35100 T35120

Bobcat T35100 and T35120 Telescopic Handler Service Manual

Official Workshop and Repair Guide

INTRODUCTION

This comprehensive service manual provides detailed instructions and information for the maintenance, troubleshooting, and repair of Bobcat T35100 and T35120 series telescopic handlers. It is an essential resource for technicians and owners performing service operations on these machines.

The manual covers the following specific serial number ranges:

- **T35100:** S/N 366611001 & above
- **T35100L:** S/N 366311001 & above
- **T35100SL:** S/N 366211001 & above
- **T35120L:** S/N 362711001 & above, S/N 363711001 & above
- **T35120SL:** S/N 362611001 & above, S/N 363811001 & above



Image: Front cover of the Bobcat T35100 and T35120 Telescopic Handler Service Manual. The cover clearly lists the models T35100, T35100L, T35100SL, T35120L, and T35120SL, along with their respective serial number ranges covered by this manual. The Bobcat logo and a diagram of a telescopic handler are also visible.

SAFETY INFORMATION

Always prioritize safety when performing any maintenance or repair work on the Bobcat T35100 or T35120 telescopic handler. Failure to follow safety precautions can result in serious injury or death. This section outlines general safety practices that must be observed.

- Read and understand all safety decals on the machine.
- Wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and protective footwear.
- Ensure the machine is parked on a level surface, engine off, and parking brake engaged before beginning work.
- Disconnect the battery before working on electrical components.
- Relieve hydraulic pressure before disconnecting hydraulic lines.
- Use proper lifting equipment and techniques when handling heavy components.
- Keep the work area clean and well-lit.

Refer to the specific sections within this manual for detailed safety warnings related to individual procedures.

GENERAL INFORMATION

This section provides an overview of the manual's organization and general information pertinent to the Bobcat T35100 and T35120 telescopic handlers. It includes details on how to navigate the manual, interpret diagrams, and understand technical terminology.

- **Manual Structure:** Organized into chapters covering various systems and components.
- **Units of Measure:** All measurements are provided in standard units.
- **Torque Specifications:** Refer to specific sections for correct torque values for fasteners.
- **Special Tools:** Information on any specialized tools required for certain procedures.

MAINTENANCE PROCEDURES

This section details routine maintenance tasks necessary to ensure the optimal performance and longevity of your Bobcat T35100 or T35120 telescopic handler. Adhering to the recommended maintenance schedule is crucial for operational safety and efficiency.

- Engine oil and filter replacement
- Hydraulic fluid and filter maintenance
- Fuel system checks and filter replacement
- Cooling system inspection and fluid levels
- Lubrication points and intervals
- Brake system inspection and adjustment
- Tire pressure and condition checks

Each procedure includes step-by-step instructions, required tools, and safety warnings.

REPAIR PROCEDURES

This section provides comprehensive instructions for diagnosing and repairing various components and systems of the Bobcat T35100 and T35120 telescopic handlers. It covers detailed disassembly, inspection, repair, and reassembly procedures.

- Engine overhaul and component replacement
- Transmission and drivetrain repair
- Hydraulic system component repair (pumps, cylinders, valves)
- Electrical system diagnostics and wiring repairs
- Brake system component replacement
- Boom and chassis structural repairs

Detailed diagrams and illustrations accompany each repair procedure to aid in understanding.

TROUBLESHOOTING

This section assists in identifying and resolving common operational issues and malfunctions that may occur with the Bobcat T35100 and T35120 telescopic handlers. It includes diagnostic charts and recommended solutions.

Common Troubleshooting Scenarios

Symptom	Possible Cause	Recommended Action
Engine fails to start	Low battery, fuel issue, starter motor fault	Check battery charge, inspect fuel lines, test starter motor
Hydraulic functions are slow or weak	Low hydraulic fluid, clogged filter, pump wear	Check fluid level, replace filter, inspect pump
Overheating engine	Low coolant, clogged radiator, faulty thermostat	Check coolant level, clean radiator, test thermostat

For more detailed diagnostic procedures, refer to the specific system chapters within this manual.

SPECIFICATIONS

This section provides key technical specifications for the Bobcat T35100 and T35120 telescopic handlers, including general machine data and component details.

- **Manufacturer:** Bobcat
- **Models Covered:** T35100, T35100L, T35100SL, T35120L, T35120SL
- **Manual Part Number:** 4852240
- **Manual Pages:** 1030
- **Binding Type:** Loose Leaf
- **Date First Available:** September 9, 2016

Detailed component specifications, such as engine displacement, hydraulic capacities, and electrical system diagrams, are located within their respective repair sections.

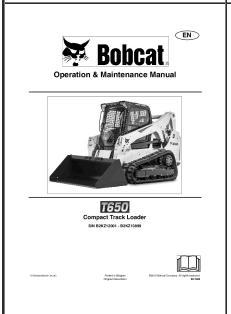
SUPPORT INFORMATION

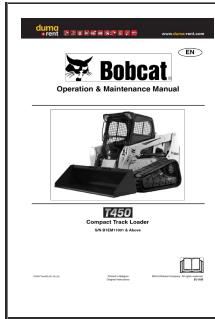
For additional support, genuine Bobcat parts, or professional service, please contact your authorized Bobcat dealer. This manual is intended for technical reference and does not replace the need for qualified personnel to perform complex repairs.

Information regarding product warranties should be obtained directly from Bobcat or an authorized dealer, as specific terms and conditions apply.

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Related Documents - T35100 T35120

 <p>Bobcat Service Manual T40140 / T40180 Telescopic Handler SN 527111001 & Above SN 527211001 & Above</p>	<p><u>Bobcat T40140 / T40180 Telescopic Handler Service Manual</u> Comprehensive service manual for Bobcat T40140 and T40180 Telescopic Handlers, covering essential maintenance safety procedures and general practices.</p>
 <p>Bobcat Operation & Maintenance Manual Telescopic Handler EN TL34.65HF, TL34.65RD, TL34.65XRD, TL34.65BRD, TL38.70HF, TL38.70RD, TL38.70XRD, TL38.70BRD</p>	<p><u>Bobcat Telescopic Handler Operation & Maintenance Manual</u> Comprehensive operation and maintenance manual for Bobcat TL34.65HF, TL34.65RD, TL34.65XRD, TL34.65BRD, TL38.70HF, TL38.70RD, TL38.70XRD, and TL38.70BRD telescopic handlers. Includes safety, specifications, and operating procedures.</p>
 <p>Bobcat Operation & Maintenance Manual EN T650 Compact Track Loader SN 527111001 & Above</p>	<p><u>Bobcat T650 Compact Track Loader Operation & Maintenance Manual</u> Comprehensive guide for operating and maintaining the Bobcat T650 Compact Track Loader, covering safety, controls, maintenance, and specifications for optimal performance and longevity.</p>
 <p>T140 Bobcat Service Manual SN 527111001 & Above SN 527211001 & Above</p>	<p><u>Bobcat T140 Compact Track Loader Service Manual</u> Comprehensive service manual for the Bobcat T140 Compact Track Loader, covering maintenance, troubleshooting, safety, and specifications for serial numbers 527111001 & Above and 527211001 & Above. Includes detailed procedures and safety guidelines.</p>
 <p>Bobcat Diagnostic Service Codes Diagnostic Service Codes are used to identify and correct a variety of potential fault conditions that have occurred in the machine. Code and action tables are provided to help identify the fault and correct it. The codes are grouped into categories based on the area of service or the machine component affected. For more information, refer to the Bobcat Service Manual or the Bobcat Troubleshooting Guide. To help and support, available through Bobcat Dealer Parts.</p>	<p><u>Bobcat Diagnostic Service Codes Guide</u> A comprehensive guide to Bobcat diagnostic service codes, detailing fault conditions for various Bobcat machinery including loaders, excavators, and telehandlers. Learn how to identify and interpret error codes for optimal machine operation and maintenance.</p>



[Bobcat T450 Compact Track Loader Operation & Maintenance Manual](#)

Official operation and maintenance manual for the Bobcat T450 Compact Track Loader. Covers safety, operating procedures, maintenance schedules, specifications, and troubleshooting for optimal equipment performance and longevity.