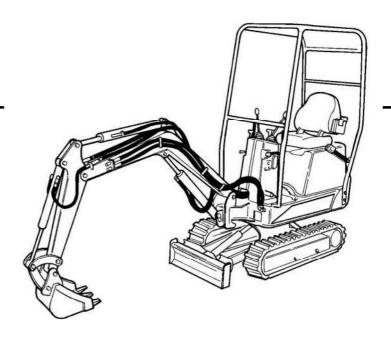
# **Bobcat**®

## **Service Manual**

316

S/N 522811001 & Above S/N 522911001 & Above



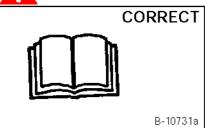
#### **MAINTENANCE SAFETY**



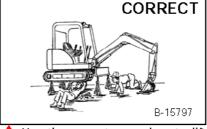
Instructions are necessary before operating or servicing machine. Read and understand the Operation & Maintenance Manual, Operator's Handbook and signs (decals) on machine. Follow warnings and instructions in the manuals when making repairs, adjustments or servicing. Check for correct function after adjustments, repairs or service. Untrained operators and failure to follow instructions can cause injury or death.

W-2003-0903

Safety Alert Symbol: This symbol with a warning statement, means: "Warning, be alert! Your safety is involved!" Carefully read the message that follows.



service **Bobcat** Hvdraulic Excavator without instructions.

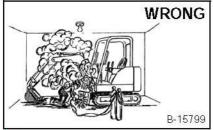


Use the correct procedure to lift and support the excavator. Always lift the blade fully before installing jackstands.



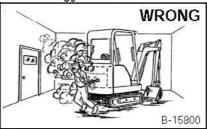
and maintenance Cleaning required daily.

WRONG

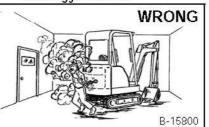


ventilation Have good when welding or grinding painted

parts. Wear dust mask when grinding painted parts. Toxic dust and gas can be produced.

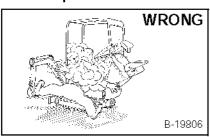


Vent exhaust to outside when engine must be run for service. Exhaust system must be tightly sealed. Exhaust Fumes caň kill without warning.



Always lower the bucket and blade to the ground before doing any maintenance.

Never modify equipment or add attachments not approved by Bobcat Company.

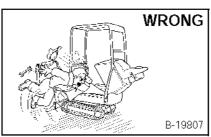


Stop, cool and clean engine of flammable materials before checking fluids.

Never service or adjust machine with the engine running unless instructed to do so in the manual.

Avoid contact with leaking hydraulic fluid or diesel fuel under pressure. It can penetrate the skin or eyes.

Never fill fuel tank with engine running, while smoking or when near open flame.



Keep body, jewelry and clothing moving from away from moving parts, electrical contact, hot parts and exhaust

Wear eye protection to guard from battery acid, compressed springs, fluids under pressure and flying debris when engines are running or tools are used.
Use eye protection approved for type of welding.
Keep side access covers closed

except for service.



Lead-acid batteries produce flammable and explosive gases. Keep arcs, sparks, flames and lighted tobacco away from away batteries.

Batteries contain acid which burns eyes or skin on contact. Wear protective clothing. If acid contacts body, flush well with water. For eye contact flush well and get immediate medical and get attention.

Maintenance procedures which are given in the Operation & Maintenance Manual can be performed by the owner/operator without any specific technical training. Maintenance procedures which are **not** in the Operation & Maintenance Manual must be performed **ONLY BY QUALIFIED BOBCAT SERVICE PERSONNEL. Always use genuine Bobcat** replacement parts. The Service Safety Training Course is available from your Bobcat dealer.

MSW26-0805



#### **ALPHABETICAL INDEX**

AIR CLEANER	10-01, 60-01
ALTERNATOR	
ALTERNATOR BELT	
ARM	40-01
ARM CYLINDER	
AUXILIARY HYDRAULIC CONTROL VALV	E 20-01
BATTERY	50-01
BLADE	
BLADE CONTROL	40-01
BLADE CYLINDER	
BLADE EXTENSION	
BOOM	
BOOM CYLINDER	
BOOM SWING CYLINDER	
BOOM OFFSET FRAME	
BUCKET	40-01
BUCKET CYLINDER	
BUCKET LINK	40-01
CANOPY	40-01
CONSOLE COVER	40-01
CONTROL LEVERS AND LINKAGE	40-01
CONTROL LOCKOUT	40-01
CONVERSIONS	
COOLING SYSTEM	10-01
ELECTRICAL SYSTEM INFORMATION	50-01
ENGINE	
ENGINE COMPONENTS AND TESTING	60-01
ENGINE COVER	
ENGINE FLYWHEEL	
ENGINE LUBRICATION SYSTEM	10-01
ENGINE SPECIFICATIONS	
ENGINE SPEED CONTROL	40-01
EXCAVATOR SPECIFICATIONS	SPEC-01
FOOT CONTROL PEDALS AND LINKAGE	40-01
FUEL, COOLANT AND LUBRICANTS	
FUEL SYSTEM	
FUEL TANK	
HORN	40-01
HYDRAULIC CONNECTION SPECIFICATIO	NS SPEC-01
HYDRAULIC CONTROL VALVE	
HYDRAULIC FILTER MOUNT	
HYDRAULIC FLUID SPECIFICATIONS	
HYDRAULIC PUMP	
HYDRAULIC RESERVOIR	
HYDRAULIC SYSTEM	
HYDRAULIC SYSTEM INFORMATION	

INSTRUMENT PANEL	. 50-01
ISO HYDRAULIC CONTROL CHANGE	. 20-01
LIFTING THE EXCAVATOR	
LIGHT	. 50-01
LUBRICATING THE EXCAVATOR	.10-01
MAIN RELIEF VALVES	. 20-01
PORT RELIEF VALVES	. 20-01
RADIATOR	. 60-01
REAR BUMPER	
RECONDITIONING THE ENGINE	. 60-01
SEAT AND SEAT MOUNT	40-01
SERVICE SCHEDULE	
SPARK ARRESTOR MUFFLER10-01,	60-02
STANDARD HYDRAULIC CONTROL CHANGE	
STARTER	
SWING BEARING	
SWING MOTOR	
SWIVEL JOINT	
TORQUE SPECIFICATIONS FOR BOLTS SP	PFC-∩1
TRACKS	
TRACK DAMAGE IDENTIFICATION	
TRACK FRAME	
TRACK FRAME EXPANSION CYLINDER	
TRACK FRAME EXPANSION VALVE	
TRACK IDLER	
TRACK ROLLER	
TRANSPORTING THE EXCAVATOR	.10-01
TRAVEL CONTROLS	
TRAVEL MOTOR10-01,	
TROUBLESHOOTING	.60-02
UPPERSTRUCTURE	. 40-01
UPPERSTRUCTURE COVER	. 40-01
UPPERSTRUCTURE SLEW LOCK10-01,	
VOLTAGE REGULATOR	. 50-01



#### **CONTENTS**

FOREWORD
SAFETY INSTRUCTIONSV
SERIAL NUMBER LOCATIONS IX
IDENTIFICATION AND MACHINE SIGNS (DECALS)X
SAFETY AND MAINTENANCE 10-1
HYDRAULIC SYSTEM 20-1
UNDERCARRIAGE30-1
UPPERSTRUCTURE & SWING SECTION 40-1
ELECTRICAL SYSTEM 50-1
ENGINE SERVICE 60-1
SPECIFICATIONSSPEC-1

SAFETY & MAINTENANCE

HYDRAULIC SYSTEM

**UNDERCARRIAGE** 

UPPERSTRUCTURE & SWING SECTION

ELECTRICAL SYSTEM

ENGINE SERVICE

**SPECIFICATIONS** 

### Please Click Here To Download The Complete Manual Download Other Manuals If Having Any Questions Feel Free To Contact us

admin@servicemanualbit.com