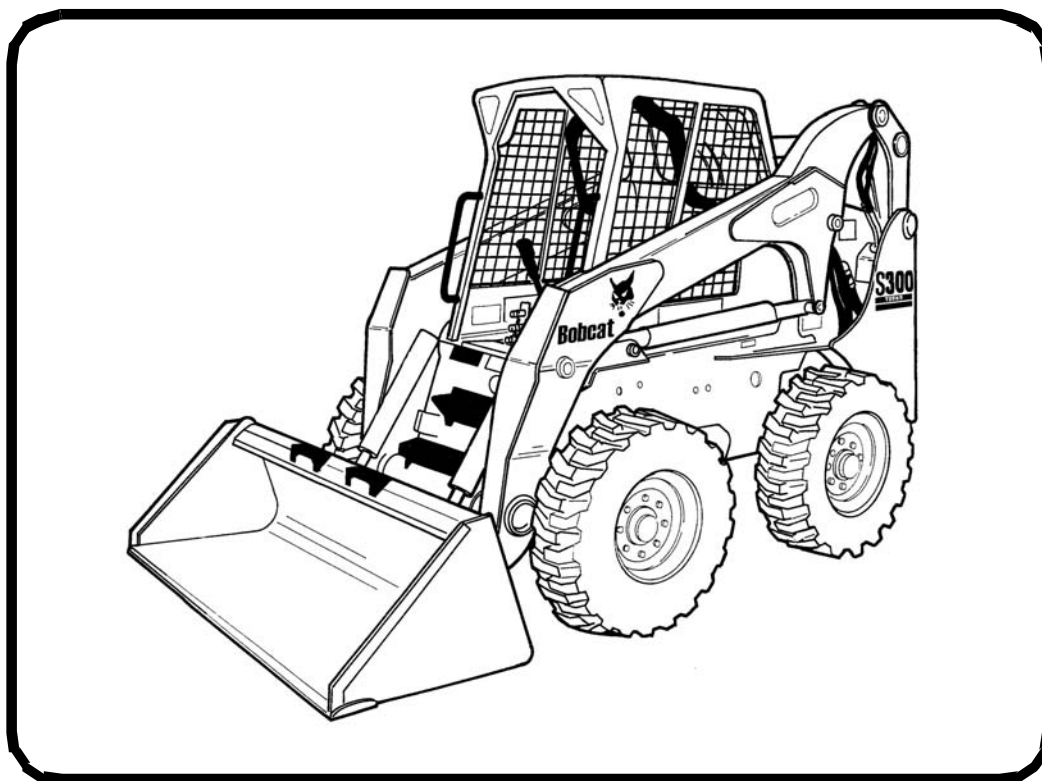




Service Manual

S250, S300 Skid-Steer Loader

S/N 530911001 & Above
S/N 531011001 & Above
S/N 531111001 & Above
S/N 531211001 & Above



**EQUIPPED WITH
BOBCAT INTERLOCK
CONTROL SYSTEM (BICS)**



MAINTENANCE SAFETY



WARNING

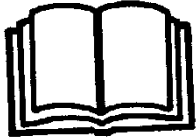
Instructions are necessary before operating or servicing machine. Read and understand the Operation & Maintenance Manual, Operator's Handbook and signs (decals) on machine. Follow warnings and instructions in the manuals when making repairs, adjustments or servicing. Check for correct function after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

CORRECT



B-10731a

- Never service the Bobcat Skid-Steer Loader without instructions.

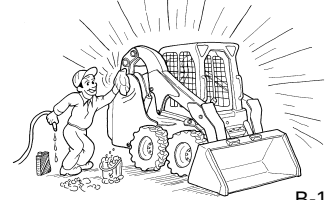
CORRECT



B-16261

- Use the correct procedure to lift or lower operator cab.

CORRECT



B-16264

- Cleaning and maintenance are required daily.

WRONG



B-16272

- Have good ventilation when welding or grinding painted parts.
- Wear dust mask when grinding painted parts. Toxic dust and gas can be produced.
- Avoid exhaust fume leaks which can kill without warning. Exhaust system must be tightly sealed.

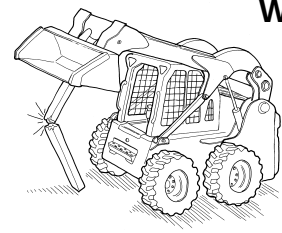
WRONG



B-16260

- Disconnecting or loosening any hydraulic tubeline, hose, fitting, component or a part failure can cause lift arms to drop. Do not go under lift arms when raised unless supported by an approved lift arm support device. Replace it if damaged.

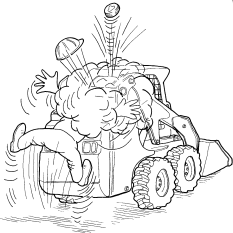
WRONG



B-16263

- Never work on loader with lift arms up unless lift arms are held by an approved lift arm support device. Replace if damaged.
- Never modify equipment or add attachments not approved by Bobcat Company.

WRONG



B-16271

- Stop, cool and clean engine of flammable materials before checking fluids.
- Never service or adjust loader 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.

WRONG



B-16270

- Keep body, jewelry and clothing 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 rear door closed except for service. Close and latch door before operating the loader.

WRONG



B-6589

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

ALPHABETICAL INDEX

ACCESS PANEL (LEFT).....	50-01	ENGINE SPEED CONTROL (SJC).....	70-01
ACCESS PANEL (INSIDE) SJC)	50-01	EVAPORATOR	80-01
ADVANCED CONTROL SYSTEM (ACS)	60-01	EVAPORATOR / HEATER UNIT.....	80-01
AIR CLEANER	70-01	EXPANSION VALVE	80-01
AIR CLEANER SERVICE	10-01		
AIR CONDITIONING SYSTEM FLOW	80-01	FAN GEARBOX.....	10-01
ALTERNATOR	60-01	FINAL DRIVE TRANSMISSION (CHAINCASE) ..	10-01
		FLYWHEEL AND HOUSING	70-01
BACK-UP ALARM SYSTEM	60-01	FLYWHEEL RPM SENSOR	60-01
BATTERY	60-01	FRONT AUXILIARY HYD. COUPLER BLOCK	20-01
BLOWER FAN	80-01	FUEL SYSTEM.....	10-01, 70-01
BOBCAT CONTROLLER (ACS)	60-01	FUEL TANK	50-01
BOBCAT CONTROLLER (MAIN).....	60-01		
BOBCAT CONTROLLER (SJC) (DRIVE)	60-01	HEATER COIL	80-01
BOBCAT INTERLOCK CONTROL		HEATER VALVE	80-01
SYSTEM (BICS)	60-01	HYDRAULIC CONNECTION SPECS	SPEC-01
BOB-TACH (HAND LEVER)	10-01, 50-01	HYDRAULIC CONTROL VALVE (ACS) OR (SJC) ..	20-01
BOB-TACH (POWER) BLOCK	20-01	HYDRAULIC CONTROL VALVE (STANDARD)	20-01
BOB-TACH (POWER-OPTION).....	10-01, 50-01	HYDRAULIC FLUID RESERVOIR	20-01
BRAKE	40-01	HYDRAULIC / HYDROSTATIC FLUID	
BRAKE (TWO-SPEED).....	40-01	SPECIFICATIONS	SPEC-01
BUCKET POSITION VALVE	20-01	HYDRAULIC / HYDROSTATIC FILTERS	20-01
		HYDRAULIC / HYDROSTATIC SYSTEM.....	10-01
CAB DOOR.....	50-01	HYDRAULIC PUMP (STANDARD) (HIGH FLOW) ..	20-01
CALIBRATION	60-01	HYDRAULIC PUMP (STANDARD)	20-01
CAMSHAFT AND TIMING GEARS.....	70-01	HYDRAULIC PUMP (SJC) (HIGH FLOW).....	20-01
CASE DRAIN FILTER	30-01	HYDRAULIC PUMP (SJC)	20-01
CHAINCASE	40-01	HYDRAULIC SYSTEM INFORMATION	20-01
CHARGE PRESSURE	30-01	HYDROSTATIC MOTOR	30-01
COMPRESSOR	80-01	HYDROSTATIC MOTOR (TWO SPEED)	30-01
CONDENSER	80-01	HYDROSTATIC MOTOR CARRIER.....	30-01
CONTROL HANDLE / LEVER	50-01	HYDROSTATIC MOTOR CARRIER (SJC).....	30-01
CONTROL HANDLE / LEVER (ACS)	50-01	HYDROSTATIC PUMP	30-01
CONTROL HANDLE (ACS)	50-01	HYDROSTATIC PUMP (SJC)	30-01
CONTROL HANDLE (SJC).....	50-01	HYDROSTATIC SYSTEM INFORMATION	30-01
CONTROL PANEL	50-01		
CONTROL PANEL (SJC).....	50-01	INSTRUMENT PANELS	60-01
CONTROL PANEL SETUP	60-01		
CONTROL PEDALS (ACS)	50-01	JOYSTICK CONTROL	50-01
CONTROL PEDALS AND LINKAGES.....	50-01		
CONTROL SYSTEM (ACS).....	60-01	LIFT ARMS.....	50-01
CONVERSIONS	SPEC-01	LIFT ARM BYPASS CONTROL VALVE	20-01
CRANKSHAFT AND PISTONS	70-01	LIFT ARM SUPPORT DEVICE	10-01
CYLINDER HEAD	70-01	LIFTING AND BLOCKING THE LOADER.....	10-01
CYLINDER (LIFT)	20-01	LIGHTS	60-01
CYLINDER (BOB-TACH)	20-01	S250 LOADER SPECIFICATIONS.....	SPEC-01
CYLINDER (TILT)	20-01	S300 LOADER SPECIFICATIONS.....	SPEC-01
		LOADER STORAGE AND RETURN TO SERVICE ..	10-01
DIAGNOSTICS SERVICE CODES	60-01	LUBRICATION SYSTEM	10-01, 70-01
DRIVE BELT	30-01	LUBRICATING THE LOADER.....	10-01
DRIVE COMPONENTS	40-01		
		MAIN RELIEF VALVE	20-01
ELECTRICAL / HYDRAULIC CONTROLS	60-01	MAIN RELIEF VALVE (FOOT CONTROL)	20-01
ELECTRICAL/HYDRAULIC CONTROLS (SJC)	60-01	MAIN RELIEF VALVE	
ELECTRICAL SYSTEM INFORMATION	60-01	(SELECTABLE JOYSTICK CONTROL) (SJC)	20-01
ENGINE COOLING SYSTEM.....	10-01, 70-01	MAINTENANCE CLOCK	60-01
ENGINE INFORMATION	70-01	MUFFLER.....	70-01
ENGINE LUBRICATION SYSTEM.....	10-01		
ENGINE SPEED CONTROL	70-01		

ALPHABETICAL INDEX (CONT'D)

OIL COOLER.....	30-01
OPERATOR CAB.....	10-01, 50-01
OPERATOR SEAT	50-01
OPERATOR SEAT (SUSPENSION).....	50-01
PASSWORD SETUP (IF EQUIPPED WITH KEYLESS START)	
PIVOT PINS.....	10-01
REAR AUXILIARY DIVERTER VALVE	
REAR DOOR	50-01
REAR GRILL	50-01
RECEIVER / DRIER	80-01
REGULAR MAINTENANCE	80-01
REMOTE START	10-01
REMOTE START (SERVICE TOOL)	10-01
SEAT BAR	
SEAT BAR SENSOR	60-01
SRVICE PC (LAPTOP COMPUTER)	60-01
SERVICE SCHEDULE	10-01
SPEED SENSOR (SJC)	60-01
SPARK ARRESTOR MUFFLER	10-01
STARTER	60-01
STEERING DRIFT COMPENSATION	60-01
STOPPING THE ENGINE AND LEAVING THE LOADER.....	
SYSTEM CHARGING AND RECLAMATION	80-01
THERMOSTAT.....	
TIRE MAINTENANCE	10-01
TORQUE SPECIFICATIONS FOR BOLTS	SPEC-01
TOWING THE LOADER	10-01
TRACTION LOCK.....	60-01
TRANSPORTING THE LOADER ON A TRAILER ..	10-01
TROUBLESHOOTING.....	80-01
TURBOCHARGER	70-01
WINDOW (FRONT DOOR)	
WINDOW (REAR).....	50-01
WINDOW (SIDE)	50-01
WINDOW (TOP)	50-01

CONTENTS

**SAFETY &
MAINTENANCE**

**HYDRAULIC
SYSTEM**

**HYDROSTATIC
SYSTEM**

**DRIVE
SYSTEM**

MAIN FRAME

**ELECTRICAL
SYSTEM &
ANALYSIS**

**ENGINE
SERVICE**

HVAC

SPECIFICATIONS

FOREWORD.....	III
SAFETY INSTRUCTIONS	V
SERIAL NUMBER LOCATION	IX
BOBCAT LOADER IDENTIFICATION.....	X
SAFETY AND MAINTENANCE.....	10-01
HYDRAULIC SYSTEM	20-01
HYDROSTATIC SYSTEM.....	30-01
DRIVE SYSTEM	40-01
MAIN FRAME	50-01
ELECTRICAL SYSTEM & ANALYSIS.....	60-01
ENGINE SERVICE	70-01
HEATING, VENTILATION, AIR CONDITIONING	80-01
SPECIFICATIONS.....	SPEC-01

It's a preview. You can download the full file by clicking the link below.

<https://shop servicemanual.com/>

Service Manuals from 2\$