

Product: Bobcat 553 Skid Steer Loader Service Repair Workshop Manual 539112001-539412001

Full Download: <https://www.arepairmanual.com/downloads/bobcat-553-skid-steer-loader-service-repair-workshop-manual-539112001-539412001/>

[r-loader-service-repair-workshop-manual-539112001-539412001/](https://www.arepairmanual.com/downloads/bobcat-553-skid-steer-loader-service-repair-workshop-manual-539112001-539412001/)

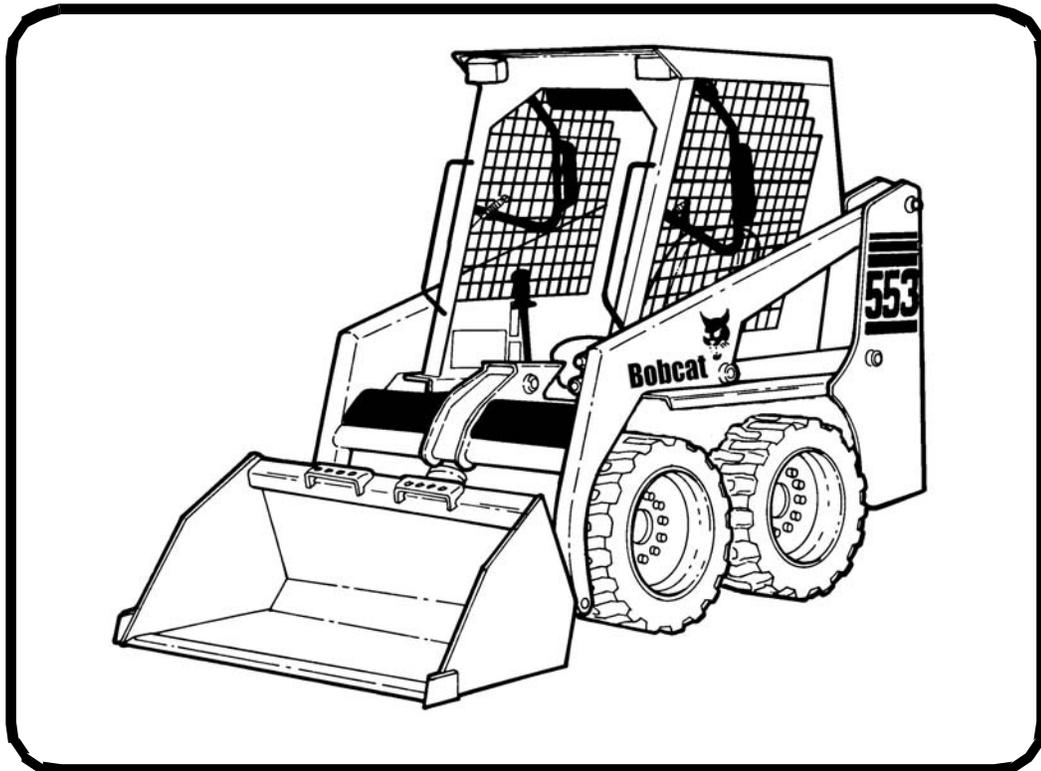


Bobcat®

Service Manual

553 Skid-Steer Loader

S/N 539112001 & Above
S/N 539412001 & Above



**EQUIPPED WITH
BOBCAT INTERLOCK**

CONTROL SYSTEM (BICS) | 423 pages at:

<https://www.arepairmanual.com/downloads/bobcat-553-skid-steer-loader-service-repair-workshop-manual-539112001-539412001/>

6904705 (3-06)

Printed in U.S.A.

© Bobcat Company 2006



Product: Bobcat 553 Skid Steer Loader Service Repair Workshop Manual 539112001-539412001

Full Download: <https://www.arepairmanual.com/downloads/bobcat-553-skid-steer-loader-service-repair-workshop-manual-539112001-539412001/>

[r-loader-service-repair-workshop-manual-539112001-539412001/](https://www.arepairmanual.com/downloads/bobcat-553-skid-steer-loader-service-repair-workshop-manual-539112001-539412001/)

Sample of manual. Download All 423 pages at:

<https://www.arepairmanual.com/downloads/bobcat-553-skid-steer-loader-service-repair-workshop-manual-539112001-539412001/>

MAINTENANCE SAFETY



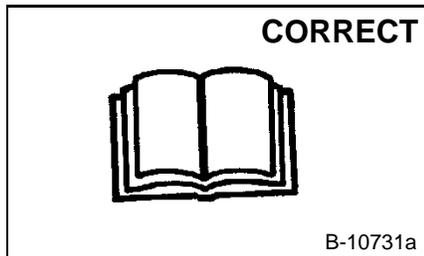
WARNING

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.

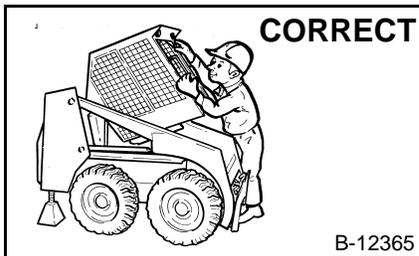
W-2003-0903



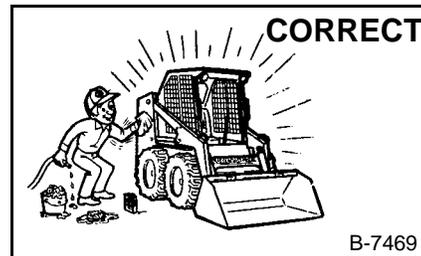
Safety Alert Symbol: This symbol with a warning statement, means: "Warning, be alert! Your safety is involved!" Carefully read the message that follows.



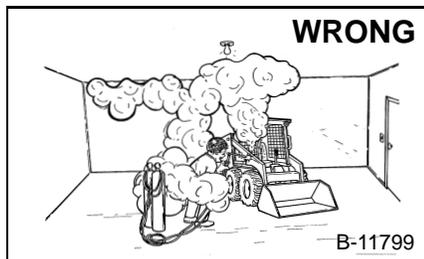
Never service the Bobcat Skid-Steer Loader without instructions.



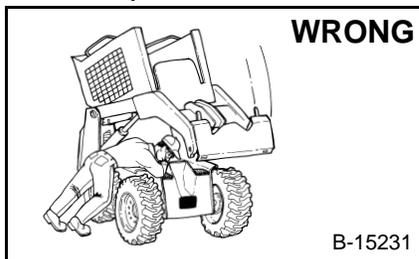
Use the correct procedure to lift or lower operator cab.



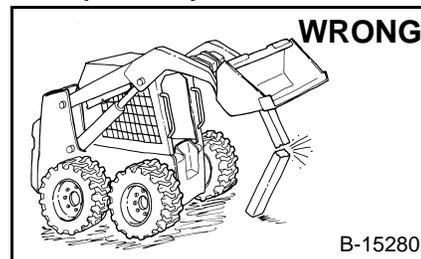
Cleaning and maintenance are required daily.



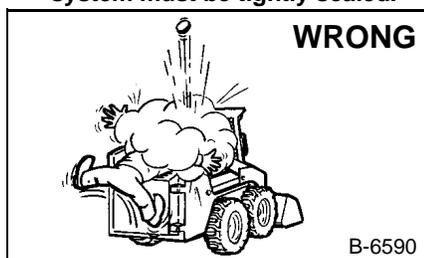
- Have good ventilation when welding or grinding painted parts.
- Wear dust mask when grinding painted parts. Toxic dust and gas can be produced.
- Avoid exhaust fume leaks which can kill without warning. Exhaust system must be tightly sealed.



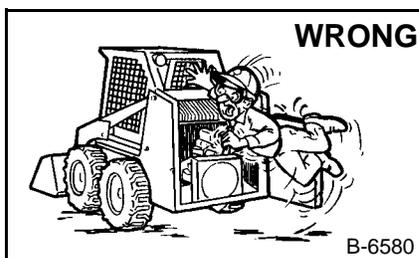
Disconnecting or loosening any hydraulic tubeline, hose, fitting, component or a part failure can cause lift arms to drop. Do not go under lift arms when raised unless supported by an approved lift arm support device. Replace it if damaged.



- 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.



- 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.



- 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.



- 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.



Bobcat®

ALPHABETICAL INDEX

AIR CLEANER	70-01	INSTRUMENT PANEL.....	60-01
AIR CLEANER SERVICE	10-01	LIFT ARM	50-01
ALTERNATOR	60-01	LIFT ARM BY-PASS CONTROL VALVE.....	20-01
AUXILIARY CONTROL LOCKBOLT	10-01	LIFT ARM SUPPORT DEVICE	10-01
		LIFTING AND BLOCKING THE LOADER.....	10-01
BATTERY	60-01	LIGHTS	60-01
BOBCAT INTERLOCK CONTROL		553 LOADER SPECIFICATIONS	SPEC-01
SYSTEM (BICS)	60-01	LOADER STORAGE AND RETURN TO SERVICE	10-01
BOB-TACH	10-01, 50-01	LUBRICATING THE BOBCAT	70-01
CAMSHAFT AND TIMING GEARS.....	70-01	MAIN RELIEF VALVE	20-01
CHAINCASE	40-01	MUFFLER.....	70-01
CONTROL LEVER.....	50-01		
CONTROL PANEL.....	50-01	OIL COOLER.....	20-01
CONTROL PEDALS AND LINKAGES.....	50-01	OPERATOR CAB	10-01, 50-01
CONVERSIONS	SPEC-01	OPERATOR SEAT.....	50-01
CRANKSHAFT AND PISTONS	70-01		
CYLINDER (LIFT)	20-01	PARKING BRAKE.....	40-01
CYLINDER (TILT)	20-01	PIVOT PINS	10-01
CYLINDER HEAD.....	70-01	PORT BLOCK.....	30-01
DRIVE COMPONENTS	40-01	REAR DOOR	50-01
		REAR GRILL	50-01
ELECTRICAL SYSTEM INFORMATION	60-01	REGULAR MAINTENANCE	80-01
ENGINE INFORMATION	70-01	REMOTE START	10-01
ENGINE COOLING SYSTEM.....	10-01, 70-01	RESISTOR	80-01
ENGINE LUBRICATION SYSTEM.....	10-01	RUBBER COUPLER LUBRICATION	10-01
ENGINE SPEED CONTROL	70-01	RUBBER DRIVE COUPLER	70-01
ENGINE SPEED CONTROL PLATE	70-01		
		SEAT BAR	50-01
FINAL DRIVE TRANSMISSION (CHAINCASE) ..	10-01	SEAT BAR SENSOR	60-01
FLYWHEEL AND HOUSING	70-01	SEAT BAR RESTRAINT SYSTEM.....	01-01
FUEL SYSTEM	10-01, 70-01	SERVICE SCHEDULE	10-01
FUEL TANK.....	50-01	SPARK ARRESTOR MUFFLER.....	10-01
		STARTER	60-01
HEATER COIL	80-01	STEERING	30-01
HEATER FAN.....	80-01	STOPPING THE ENGINE AND LEAVING	
HEATER MOTOR	80-01	THE LOADER.....	10-01
HEATER SWITCH.....	80-01		
HEATER SYSTEM.....	80-01	TILT LOCK VALVE.....	20-01
HEATER UNIT	80-01	TIRE MAINTENANCE	10-01
HEATER VALVE.....	80-01	TORQUE SPECIFICATIONS FOR BOLTS ...	SPEC-01
HYDRAULIC CONNECTION		TOWING THE LOADER	10-01
SPECIFICATIONS	SPEC-01	TRACTION LOCK	60-01
HYDRAULIC CONTROL VALVE.....	20-01	TRANSPORTING LOADER ON A TRAILER	10-01
HYDRAULIC/HYDROSTATIC FILTER.....	20-01	TROUBLESHOOTING	80-01
HYDRAULIC FLUID RESERVOIR.....	20-01		
HYDRAULIC PUMP.....	20-01	WATER FLANGE.....	70-01
HYDRAULIC/HYDROSTATIC		WINDOW (FRONT DOOR)	50-01
FLUID SPECIFICATIONS	SPEC-01	WINDOW (REAR)	50-01
HYDRAULIC/HYDROSTATIC SYSTEM	10-01	WINDOW (SIDE)	50-01
HYDRAULIC SYSTEM INFORMATION.....	20-01	WINDOW (TOP)	50-01
HYDROSTATIC MOTOR	30-01		
HYDROSTATIC PUMP	30-01		
HYDROSTATIC SYSTEM INFORMATION	30-01		



Bobcat®

CONTENTS

**SAFETY &
MAINTENANCE**

**HYDRAULIC
SYSTEM**

**HYDROSTATIC
SYSTEM**

**DRIVE
SYSTEM**

MAIN FRAME

**ELECTRICAL
SYSTEM &
ANALYSIS**

**ENGINE
SERVICE**

HEATER

SPECIFICATIONS

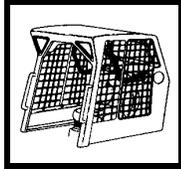
DELIVERY REPORT.....	X
FOREWORD.....	II
LOADER IDENTIFICATION	XI
SAFETY INSTRUCTIONS	V
SERIAL NUMBER LOCATIONS	IX
SAFETY AND MAINTENANCE.....	10-01
HYDRAULIC SYSTEM	20-01
HYDROSTATIC SYSTEM.....	30-01
DRIVE SYSTEM	40-01
MAIN FRAME	50-01
ELECTRICAL SYSTEM & ANALYSIS.....	60-01
ENGINE SERVICE	70-01
HEATER	80-01
SPECIFICATIONS.....	SPEC-01

FOREWORD

This manual is for the Bobcat loader mechanic. It provides necessary servicing and adjustment procedures for the Bobcat loader and its component parts and systems. Refer to the Operation & Maintenance Manual for operating instructions, Starting procedure, daily checks, etc.

A general inspection of the following items must be made after the loader has had service or repair:

1. Check lift arm support device, replace if damaged. (Stored Position)



9. The parking brake must function correctly.



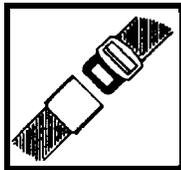
2. Check that ROPS mounting hardware is tightened and is Bobcat approved.



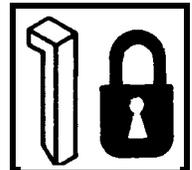
10. Enclosure door latches must open and close freely.



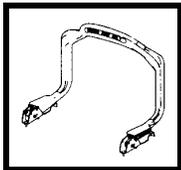
3. The seat belt must be correctly installed, functional and in good condition.



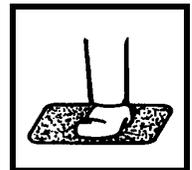
11. Bob-Tach wedges and linkages must function correctly and be in good condition.



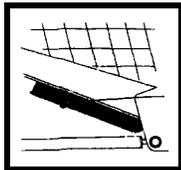
4. The seat bar must be correctly adjusted, clean and lubricated.



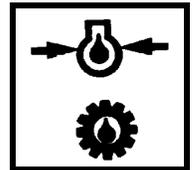
12. Safety treads must be in good condition.



5. Check lift arm support device; replace if damaged.



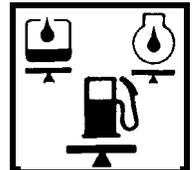
13. Check for correct function of indicator lamps (Optional on some models).



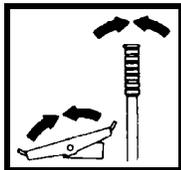
6. Machine signs must be legible and in the correct location.



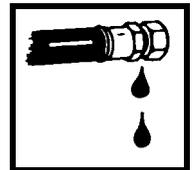
14. Check hydraulic fluid level, engine oil level and fuel supply.



7. Steering levers and foot pedals must return to neutral.



15. Inspect for fuel, oil or hydraulic fluid leaks.



8. Check for correct function of the work lights



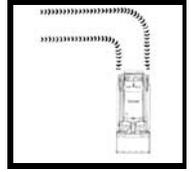
16. Lubricate the loader.



17. Check the condition of the battery and cables.



22. Operate the loader and check all functions.



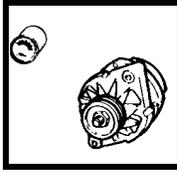
18. Inspect the air cleaner for damage or leaks. Check the condition of the element.



23. Check for any field modification not completed.



19. Check the electrical charging system.



24. Check for correct function of the Bobcat Interlock Control System (BICST™) before the machine is returned to the customer.



20. Check tires for wear and pressure.



Recommend to the owner that all necessary corrections be made before the machine is returned to service.



21. Inspect for loose or broken parts or connections.



**CALIFORNIA
PROPOSITION 65 WARNING**
Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects and other reproductive harm.



Bobcat®

SAFETY INSTRUCTIONS



Safety Alert Symbol

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



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



WARNING

Warnings on the machine and in the manuals are for your safety. Failure to obey warnings can cause injury or death.

W-2044-1285

IMPORTANT

This notice identifies procedures which must be followed to avoid damage to the machine.

I-2019-0284

The following publications provide information on the safe use and maintenance of the Bobcat machine and attachments:

- The Delivery Report is used to assure that complete instructions have been given to the new owner and that the machine is in safe operating condition.
- The Operation & Maintenance Manual delivered with the machine or attachment contains operating information as well as routine maintenance and service procedures. It is a part of the machine and can be stored in a container provided on the machine. Replacement Operation & Maintenance Manuals can be ordered from your Bobcat dealer.
- Machine signs (decals) instruct on the safe operation and care of your Bobcat machine or attachment. The signs and their locations are shown in the Operation & Maintenance Manual. Replacement signs are available from your Bobcat dealer.
- An Operator's Handbook fastened to the operator cab. It's brief instructions are convenient to the operator. The handbook is available from your dealer in an English edition or one of many other languages. See your Bobcat dealer for more information on translated versions.
- The AEM Safety Manual delivered with the machine gives general safety information.
- The Service Manual and Parts Manual are available from your dealer for use by mechanics to do shop-type service and repair work.
- The Skid-Steer Loader Operator Training Course is available through your local dealer or at www.training.bobcat.com or www.bobcat.com. This course is intended to provide rules and practices of correct operation of the Skid-Steer Loader. The course is available in English and Spanish versions.
- Service Safety Training Courses are available from your Bobcat dealer or at www.training.bobcat.com or www.bobcat.com. They provide information for safe and correct service procedures.
- The Skid-Steer Loader Safety Video is available from your Bobcat dealer or at www.training.bobcat.com or www.bobcat.com.

SI SSL-0206 SM

SAFETY INSTRUCTIONS (CONT'D)

The dealer and owner/operator review the recommended uses of the product when delivered. If the owner/operator will be using the machine for a different application(s) he or she must ask the dealer for recommendations on the new use.



Call Before You Dig

1-888-258-0808

When you call, you will be directed to a location in your state/city for information about buried lines (telephone, cable TV, water, sewer, gas, etc.)

SAFETY INSTRUCTIONS (CONT'D)

Fire Prevention

The machine and attachments have components that are at high temperature under normal operating conditions. The primary source of high temperatures is the engine and exhaust system. The electrical system, if damaged or incorrectly maintained, can be a source of arcs or sparks.

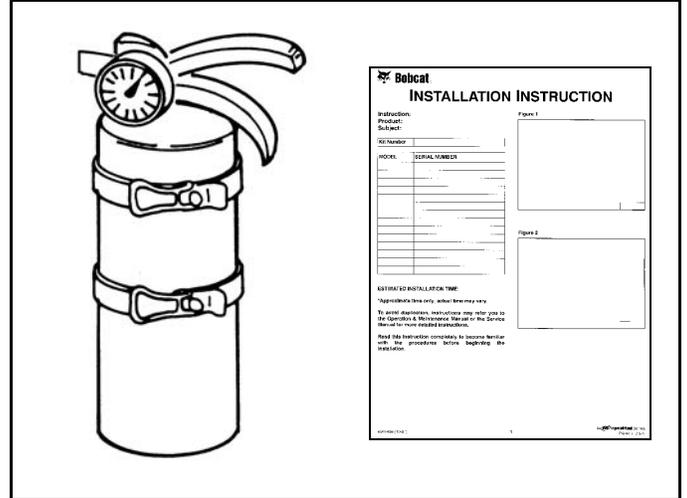
Flammable debris (leaves, straw, etc.) must be removed regularly. If flammable debris is allowed to accumulate, it will increase fire hazard. Clean often to avoid this accumulation. Flammable debris in the engine compartment is a potential hazard.

The spark arrestor muffler is designed to control the emission of hot particles from the engine and exhaust system, but the muffler and the exhaust gases are still hot.

- Do not use the machine where exhaust, arcs, sparks or hot components can contact flammable material, explosive dust or gases.
- The operator cab, engine compartment, and engine cooling system must be inspected every day and cleaned if necessary to prevent fire hazard and overheating.
- Check all electrical wiring and connections for damage. Keep the battery terminals clean and tight. Repair or replace any damaged part.
- Check fuel and hydraulic tubes, hoses and fittings for damage and leakage. Never use open flame or bare skin to check for leaks. Tighten or replace any parts that show leakage. Always clean fluid spills. Do not use gasoline or diesel fuel for cleaning parts. Use commercial nonflammable solvents.
- Do not use ether or starting fluids on any engine which has glow plugs. These starting aids can cause explosion and injure you or bystanders.
- Always clean the machine, disconnect the battery, and disconnect the wiring from the controllers before welding. Cover rubber hoses, battery and all other flammable parts. Keep a fire extinguisher near the machine when welding. Have good ventilation when grinding or welding painted parts. Wear a dust mask when grinding painted parts. Toxic dust or gas can be produced.
- Stop the engine and let it cool before adding fuel. **NO SMOKING!**

- Use the procedure in the Operation & Maintenance Manual for connecting the battery and for jump starting.
- Use the procedure in the Operation & Maintenance Manual for cleaning the spark arrestor muffler (if equipped).

Figure 1



- Know where fire extinguishers and first aid kits are located and how to use them. Fire extinguishers are available from your Bobcat dealer [Figure 1].



Bobcat®

SERIAL NUMBER LOCATIONS

Always use the serial number of the loader when requesting service information or when ordering parts. Early or later models (identification made by serial number) may use different parts, or it may be necessary to use a different procedure in doing a specific service operation.

Loader Serial Number

Figure 2



The loader serial number plate is located on the outside of the loader frame [Figure 2].

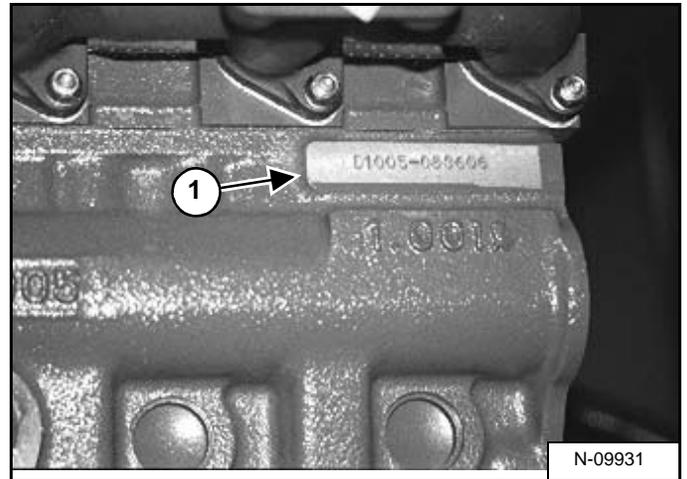
Explanation of loader Serial Number:

XXXX	XXXXX
Model/ Engine Version	Production Sequence (Series)

1. The four digit Model/Engine Combination Module number identifies the model number and engine combination.
2. The five digit Production Sequence Number identifies the order which the loader is produced.

Engine Serial Number

Figure 3



The engine serial number (Item 1) [Figure 3] is in the location shown.

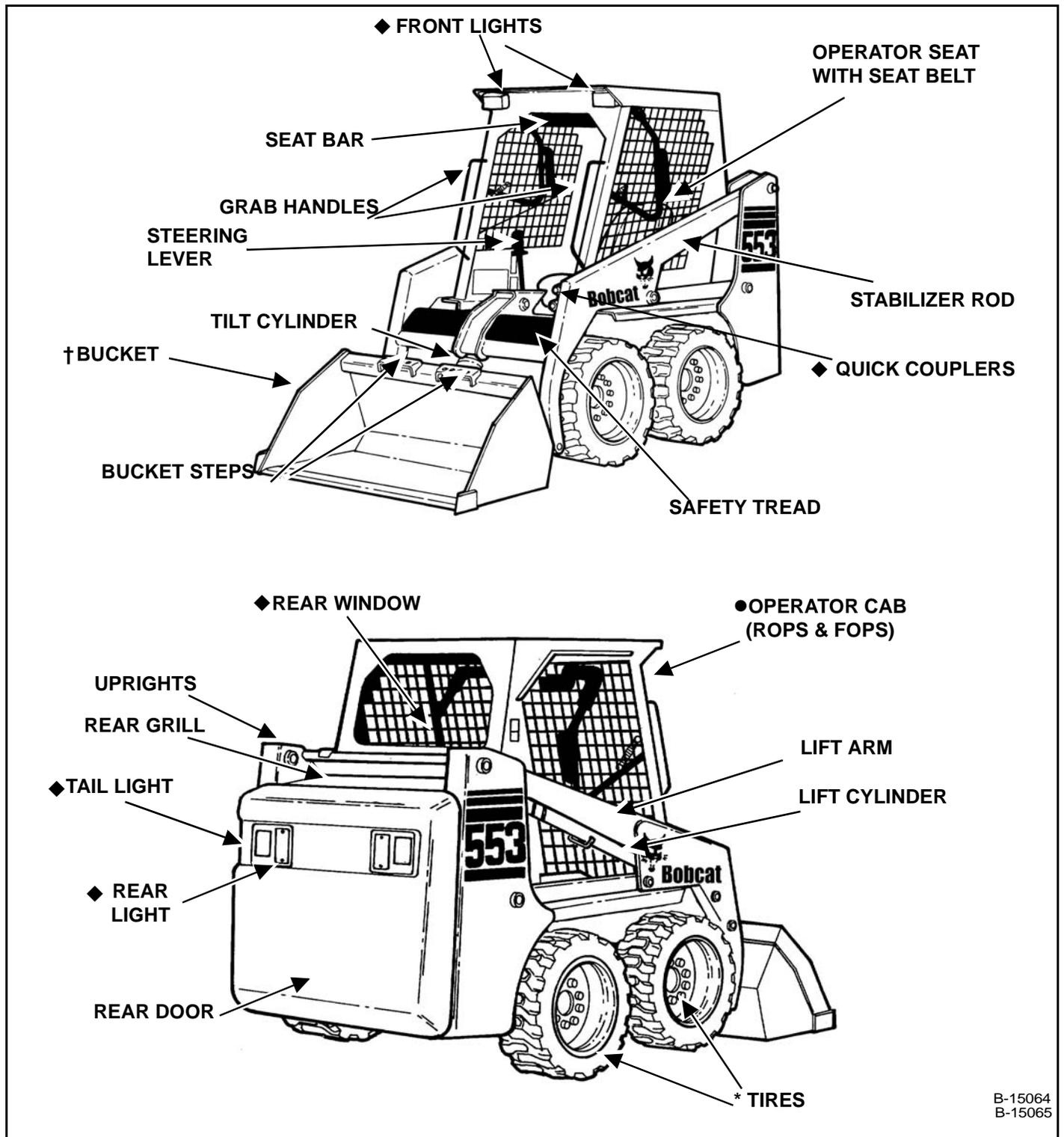
DELIVERY REPORT

Figure 4

The diagram shows a form layout for a 'DELIVERY REPORT'. It features a header section at the top right, a 'WARNING' section below it, and a bottom right corner with the identifier 'B-16315'. The form is composed of various rectangular boxes and lines representing text fields and sections.

The Delivery Report must be filled out by the dealer and signed by the owner or operator when the Bobcat loader is delivered. An explanation of the form must be given to the owner. Make sure it is filled out completely **[Figure 4]**.

LOADER IDENTIFICATION



◆ OPTIONAL OR FIELD ACCESSORY (Not Standard Equipment)

* TIRES - The Bobcat loader is factory equipped with heavy duty flotation tires. See Specifications Section and your Bobcat dealer for available tires.

† BUCKET - Several different buckets and other attachments are available for the Bobcat loader.

● ROPS, FOPS - Roll Over Protective Structure, per SAE J1040 and ISO 3471, and Falling Object Protective Structure per SAEJ1043 and ISO 3449, Level I. Level II is available. The Bobcat loader is base-equipped with a standard operator cab as shown. Extra insulated cab is available as an option (Reduced noise level)



Bobcat®

SAFETY AND MAINTENANCE

AIR CLEANER SERVICE 10-80-1
 Replacing Filter Elements 10-80-1

AUXILIARY CONTROL LOCKBOLT 10-140-1
 Procedure 10-140-1

BOB-TACH 10-150-1
 Inspection And Maintenance 10-150-1

ENGINE COOLING SYSTEM 10-90-1
 Checking 10-90-2
 Cleaning 10-90-1
 Removing And Replacing Coolant 10-90-2

ENGINE LUBRICATION SYSTEM 10-110-1
 Checking And Adding Engine Oil 10-110-1
 Oil Chart 10-110-1
 Removing And Replacing Oil And Filter 10-110-2

FINAL DRIVE TRANSMISSION (CHAINCASE) 10-130-1
 Checking And Adding Oil 10-130-1
 Removing Oil From Chaincase 10-130-1

FUEL SYSTEM 10-100-1
 Filling The Fuel Tank 10-100-1
 Fuel Filter 10-100-2
 Fuel Specifications 10-100-1
 Removing Air From The Fuel System 10-100-2

HYDRAULIC/HYDROSTATIC SYSTEM 10-120-1
 Checking And Adding Fluid 10-120-1
 Removing And Replacing The Hydraulic/Hydrostatic Filter 10-120-1
 Removing And Replacing The Hydraulic/Hydrostatic Fluid 10-120-2

LIFT ARM SUPPORT DEVICE 10-20-1
 Installing 10-20-1
 Removing 10-20-2

LIFTING AND BLOCKING THE LOADER 10-10-1
 Procedure 10-10-1

LOADER STORAGE AND RETURN TO SERVICE 10-220-1
 Return to Service 10-220-1
 Storage 10-220-1

Continued On Next Page

SAFETY AND MAINTENANCE (CONT'D)

LUBRICATING THE BOBCAT	10-160-1
Lubrication Locations	10-160-1
OPERATOR CAB	10-30-1
Description	10-30-1
Lowering	10-30-2
Raising	10-30-1
PIVOT PINS	10-190-1
Inspection And Maintenance	10-190-1
REMOTE START	10-60-1
Procedure	10-60-1
RUBBER COUPLER LUBRICATION	10-210-1
Procedure	10-210-1
SEAT BAR RESTRAINT SYSTEM	10-200-1
Inspection And Maintenance	10-200-1
SERVICE SCHEDULE	10-70-1
Chart	10-70-1
SPARK ARRESTOR MUFFLER	10-180-1
Cleaning Procedure	10-180-1
STOPPING THE ENGINE AND LEAVING THE LOADER . .	10-230-1
Emergency Exit	10-230-2
Procedure	10-230-1
TIRE MAINTENANCE	10-170-1
Mounting	10-170-2
Rotating	10-170-1
Wheel Nuts	10-170-1
TOWING THE LOADER	10-50-1
Procedure	10-50-1
TRANSPORTING LOADER ON A TRAILER	10-40-1
Fastening	10-40-1
Loading And Unloading	10-40-1

LIFTING AND BLOCKING THE LOADER

Figure 10-10-1



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

Procedure

Always park the loader on a level surface.

WARNING

Put jackstands under the front axles and rear corners of the frame before running the engine for service. Failure to use jackstands can allow the machine to fall or move and cause injury or death.

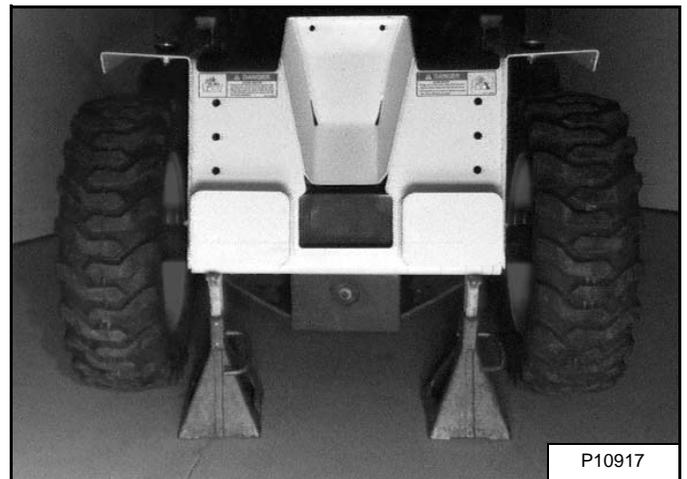
W-2017-0286

Figure 10-10-2



Lift the rear of the loader and install jackstands [Figure 10-10-2].

Figure 10-10-3



Lift the front of the loader and put jackstands under the loader frame [Figure 10-10-3].

NOTE: Make sure the jackstands do not touch the tires.



Bobcat®

LIFT ARM SUPPORT DEVICE

Installing



Never work on a machine with the lift arms up unless the lift arms are secured by an approved lift arm support device. Failure to use an approved lift arm support device can allow the lift arms or attachment to fall and cause injury or death.

W-2059-0598



Service lift arm support device if damaged or if parts are missing. Using a damaged lift arm support or with missing parts can cause lift arms to drop causing injury or death.

W-2271-1197

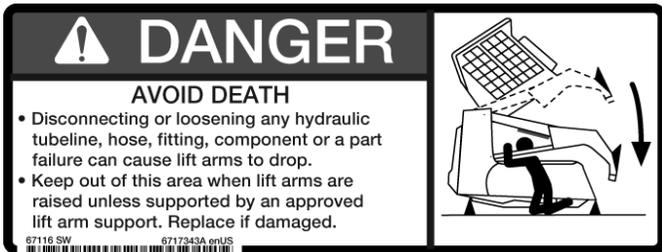
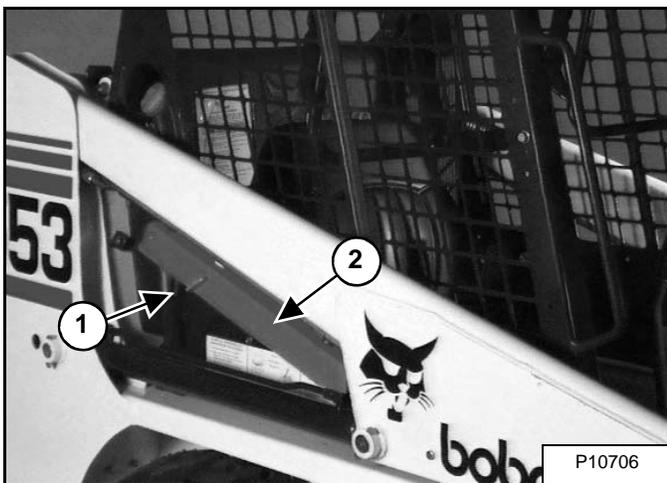


Figure 10-20-1



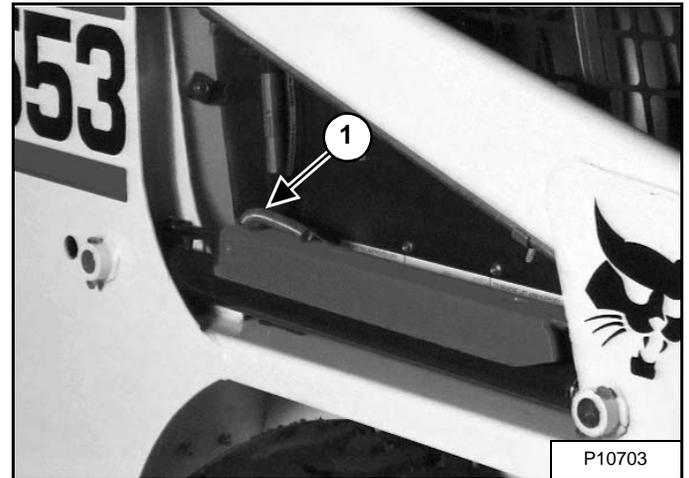
Maintenance and service work can be done with the lift arms lowered. If the lift arms are raised for service, use the following procedure:

Put jackstands under the rear corners of the loader frame.

Remove any attachment before raising the lift arms.

Disconnect the spring from the approved lift arm support device retaining pin (Item 1). Hold onto the lift arm support device (Item 2) [Figure 10-20-1] and remove the retaining pin.

Figure 10-20-2



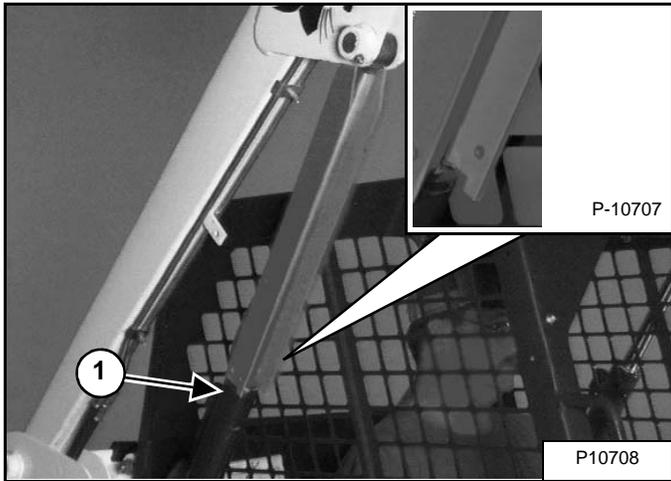
Lower the lift arm support device on top of the lift cylinder. Hook the free end of the spring (Item 1) [Figure 10-20-2] to the lift arm support device so there will be no interference with the support device engagement.

With the operator in the seat, seat belt fastened and seat bar lowered, start the engine. Loaders without seat sensors Press the green *PRESS TO OPERATE* Button.

LIFT ARM SUPPORT DEVICE (CONT'D)

Installing (Cont'd)

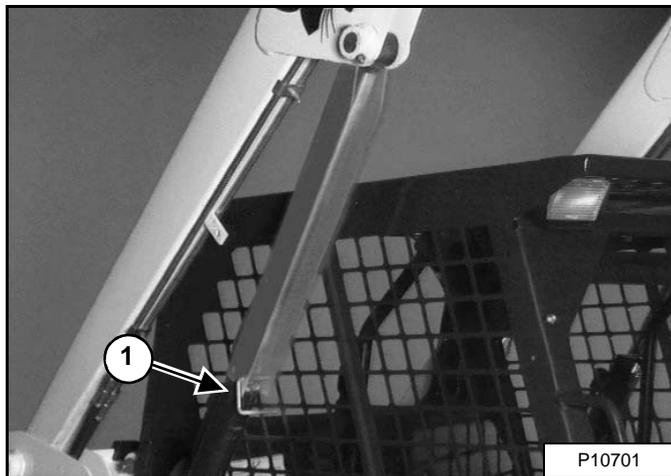
Figure 10-20-3



Raise the lift arms, until the lift arm support device (Item 1) [Figure 10-20-3] drops onto the lift cylinder rod.

Lower the lift arms slowly until the support device is held between the lift arm and the lift cylinder. Stop the engine. Raise the seat bar and move foot pedals (or hand controls) until both lock.

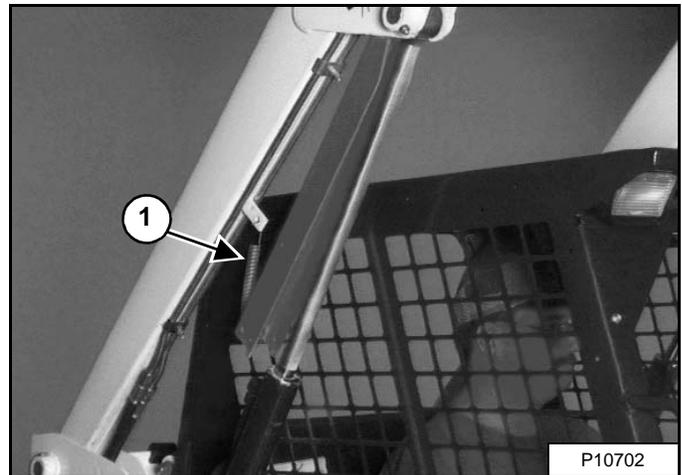
Figure 10-20-4



Install pin (Item 1) [Figure 10-20-4] into the rear of the lift arm support device below the cylinder rod.

Removing

Figure 10-20-5



Remove the pin from the lift arm support device.

Connect the spring (Item 1) [Figure 10-20-5] from the lift arm support device to the bracket below the lift arms.

With the operator in the seat, seat belt fastened and seat bar lowered, start the engine.

Loaders without seat sensors press the green *PRESS TO OPERATE* Button.

Raise the lift arms a small amount and the spring will lift the support device off the lift cylinder rod.

Lower the lift arms and stop the engine.

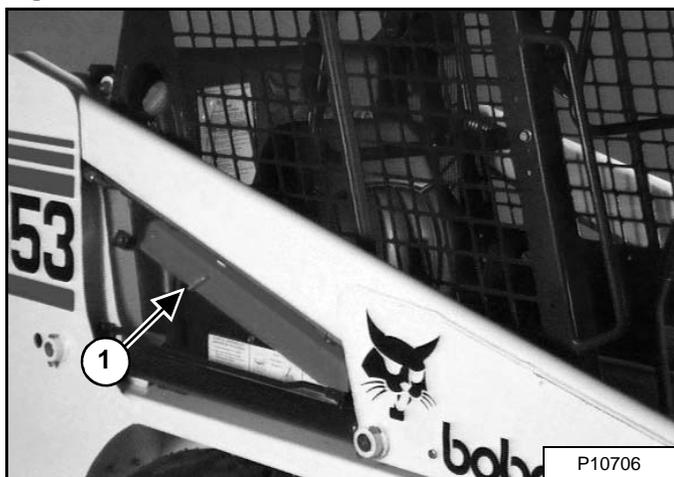
Raise the seat bar and move pedals until both lock.

Disconnect the spring from the bracket.

LIFT ARM SUPPORT DEVICE (CONT'D)

Removing (Cont'd)

Figure 10-20-6



Raise the support device into storage position and insert pin (Item 1) **[Figure 10-20-6]** through lift arm support device and bracket.

Connect spring to pin.



Bobcat®

OPERATOR CAB

Description

The Bobcat loader has an operator cab (ROPS and FOPS) as standard equipment to protect the operator from rollover and falling objects. Check with your dealer if the operator cab has been damaged. The seat belt must be worn for roll over protection.

ROPS/FOPS - Roll Over Protective Structure per SAE J1040 and ISO 3471, and Falling Object Protective Structure per SAE J1043 and ISO 3449, Level I. Level II is available.

Level I - Protection from falling bricks, small concrete blocks, and hand tools encountered in operations such as highway maintenance, landscaping, and other construction site services.

Level II - Protection from falling trees, rocks; for machines involved in site clearing, overhead demolition or forestry.

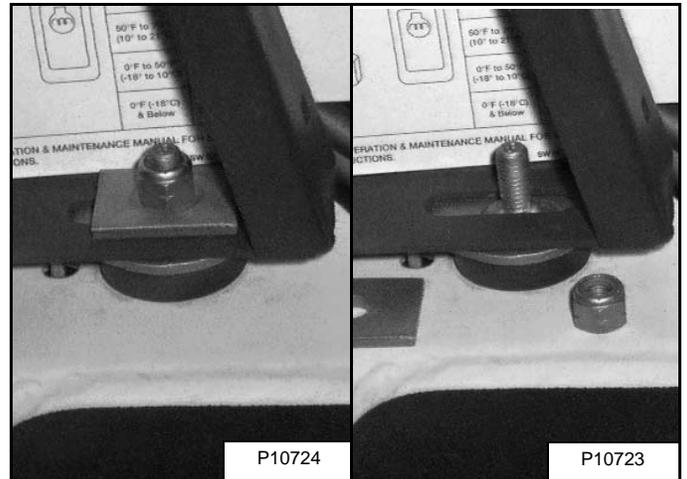


Never modify operator cab by welding, grinding, drilling holes or adding attachments unless instructed to do so by Bobcat. Changes to the cab can cause loss of operator protection from rollover and falling objects, and result in injury or death.

W-2069-1299

Raising

Figure 10-30-1



Stop the loader on a level surface. Lower the lift arms. Stop the engine. If the lift arms must be up while raising the operator cab, install the lift arm support device. (See Installing on Page 10-20-1.)

Put jackstands under the rear corners of loader (Inset) [Figure 10-30-2].

Loosen the nut (both sides) at the corner of the operator cab [Figure 10-30-1].

Remove the nut and plate (both sides) [Figure 10-30-1].

OPERATOR CAB (CONT'D)

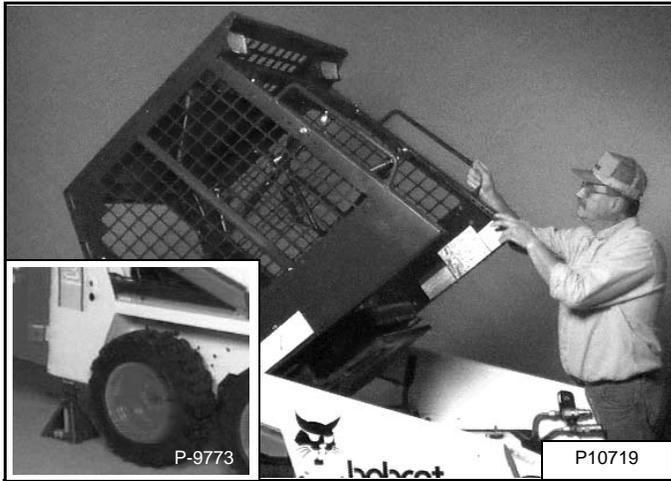
Raising (Cont'd)

WARNING

Before the cab or the lift arms are raised for service, jackstands must be put under the rear corners of the frame. Failure to use jackstands can allow the machine to tip backward causing injury or death.

W-2014-0895

Figure 10-30-2



Lift on the grab handle and bottom of the operator cab slowly until the cab latching mechanism engages and the cab is all the way up [Figure 10-30-2].

Lowering

Figure 10-30-3



Pull down on the bottom of the operator cab until it stops at the latching mechanism. Release the latching mechanism [Figure 10-30-3] and pull the cab all the way down.

Install the plate and nut (both sides) [Figure 10-30-1].

Tighten the nuts [Figure 10-30-1] to 40-50 ft.-lb. (54-68 N•m) torque.

WARNING

Both sets of fasteners at the front of the operator cab (ROPS) must be assembled as shown in this manual. Failure to secure ROPS correctly can cause injury or death.

W-2005-1189

TRANSPORTING LOADER ON A TRAILER

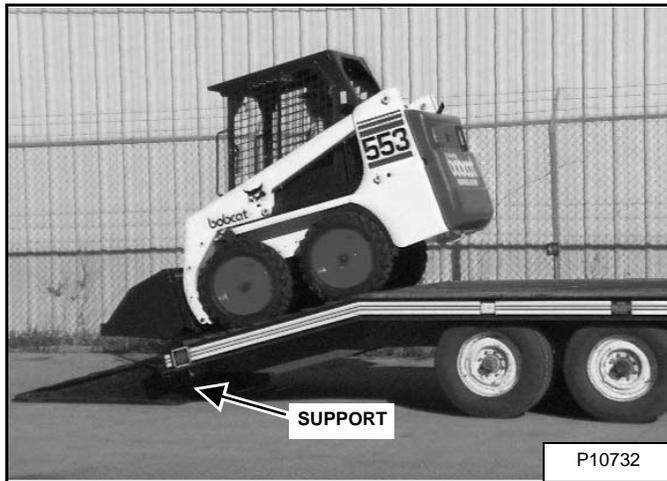
Loading And Unloading



Adequately designed ramps of sufficient strength are needed to support the weight of the machine when loading onto a transport vehicle. Wood ramps can break and cause personal injury.

W-2058-0494

Figure 10-40-1

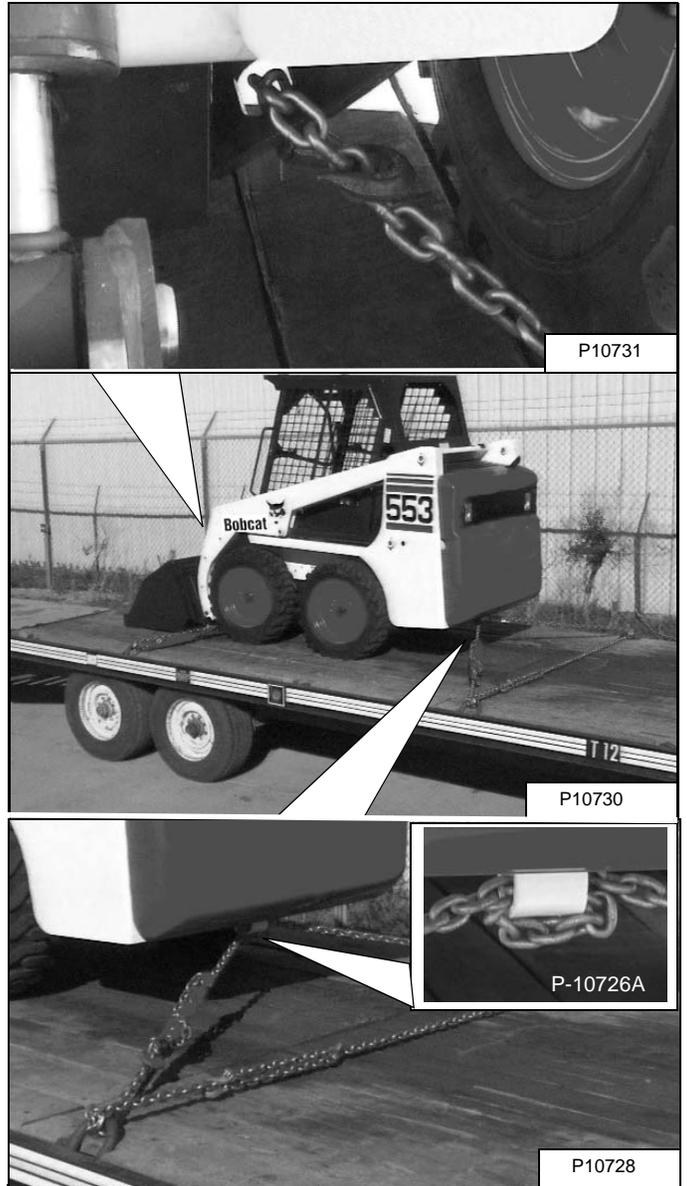


A loader with an empty bucket or no attachment must be loaded backward onto the transport vehicle [Figure 10-40-1].

The rear of the trailer must be blocked or supported [Figure 10-40-1] when loading or unloading the loader to prevent the front end of the trailer from raising up.

Fastening

Figure 10-40-2



Use the following procedure to fasten the Bobcat loader to the transport vehicle to prevent the loader from moving during sudden stops or when going up or down slopes [Figure 10-40-2].

- Lower the bucket or attachment to the floor.
- Stop the engine.
- Engage the parking brake.
- Install chains at the front and rear loader tie down positions (Inset) [Figure 10-40-2].

Product: Bobcat 553 Skid Steer Loader Service Repair Workshop Manual 539112001-539412001

Full Download: <https://www.arepairmanual.com/downloads/bobcat-553-skid-steer-loader-service-repair-workshop-manual-539112001-539412001/>



Bobcat®

Sample of manual. Download All 423 pages at:

<https://www.arepairmanual.com/downloads/bobcat-553-skid-steer-loader-service-repair-workshop-manual-539112001-539412001/>