

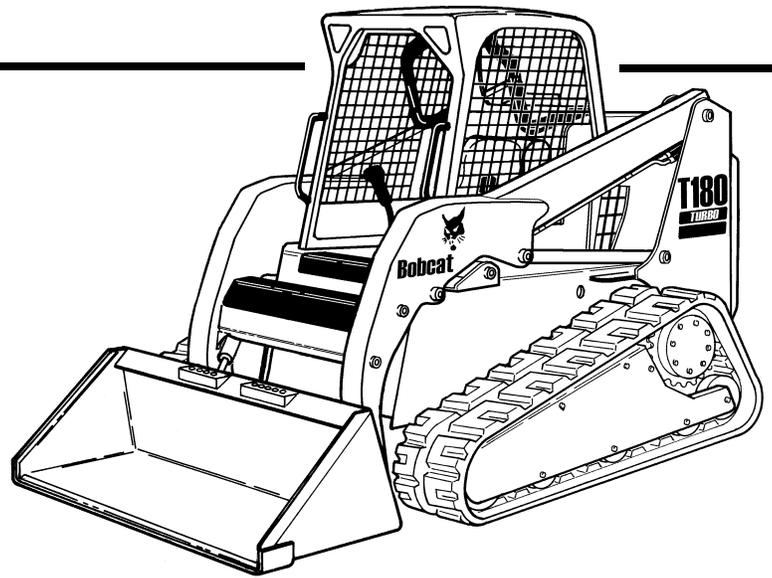
Product: 2010 Bobcat T180 Compact Track Loader Service Repair Workshop Manual(S/N 524211001 & Above,S/N 524311001 & Above,S/N 527511001 & Above,S/N 527611001 & Above)  
Full Download: <https://www.repairmanual.com/downloads/2010-bobcat-t180-compact-track-loader-service-repair-workshop-manuals-n-524211001-above-s-n-524311001-above-s-n-527511001-above-s-n-527611001-above/>



**Bobcat®**

# Service Manual

(S/N 524211001 & Above)  
(S/N 524311001 & Above)  
(S/N 527511001 & Above)  
(S/N 527611001 & Above)



EQUIPPED WITH

**BOBCAT INTERLOCK CONTROL SYSTEM (BICS™)**

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# 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-2003-0807



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

### CORRECT



P-90216

⚠ Never service the Bobcat Compact Track Loader without instructions.

### CORRECT



B-15659

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

### CORRECT



B-15660

⚠ Cleaning and maintenance are required daily.

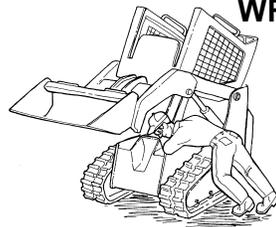
### WRONG



B-15664

- ⚠ 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.

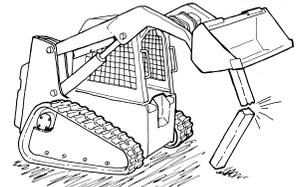
### WRONG



B-15661

- ⚠ 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-15662

- ⚠ 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-15665

- ⚠ 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-15663

- ⚠ 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.



**Bobcat®**

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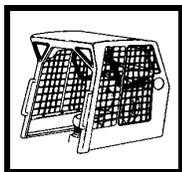
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# FOREWORD

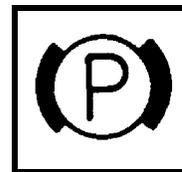
This manual is for the Bobcat loader mechanic. It provides necessary servicing and adjustment procedures for the Bobcat loader and its component parts and systems. Refer to the Operation & Maintenance Manual for operating instructions, starting procedure, daily checks, etc.

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

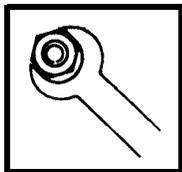
1. Check that the ROPS/FOPS (Including side screens) is in good condition and is not modified.



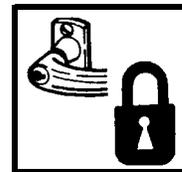
9. The parking brake must function correctly.



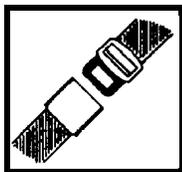
2. Check that ROPS mounting hardware is tightened and is Bobcat approved.



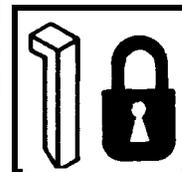
10. Enclosure door latches must open and close freely.



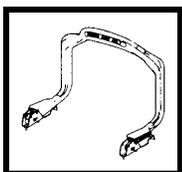
3. The seat belt must be correctly installed, functional and in good condition.



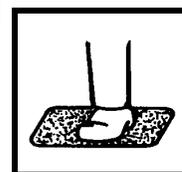
11. Bob-Tach wedges and linkages must function correctly and be in good condition.



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



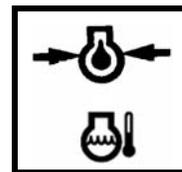
12. Safety treads must be in good condition.



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



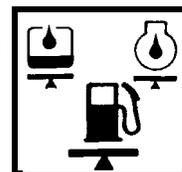
13. Check for correct function of indicator lamps.



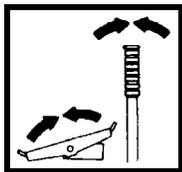
6. Machine signs (decals) must be legible and in the correct location.



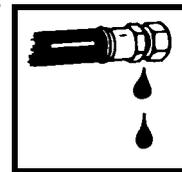
14. Check hydraulic fluid level, engine oil level and fuel supply.



7. Steering levers, hand controls and foot pedals must return to neutral (as applicable).



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



8. Check for correct function of the work lights.



16. Lubricate the loader.



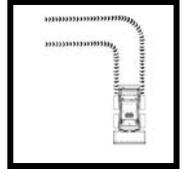
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17. Check the condition of the battery and cables.



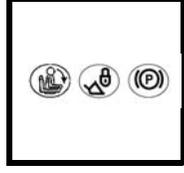
23. Operate the machine and check all functions.



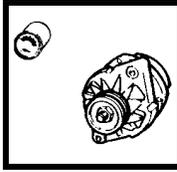
18. Inspect the air cleaner for damage or leaks. Check the condition of the element.



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



19. Check the electrical charging system.



25. Check for proper function of front horn and back-up alarm (if equipped).



20. Check tires for wear and pressure. Check tracks for wear and tension. Use only approved tires or tracks.



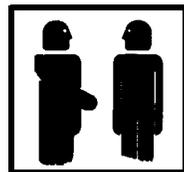
26. Check function or condition of all equipped options and accessories (examples: fire extinguisher, rotating beacon, lift kits, etc.).



21. Inspect for loose or broken parts or connections.



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



22. Check for any field modification not completed.



**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

## IMPORTANT

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

I-2019-0284



## DANGER

The signal word DANGER on the machine and in the manuals indicates a hazardous situation which, if not avoided, will result in death or serious injury.

D-1002-1107



## WARNING

The signal word WARNING on the machine and in the manuals indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

W-2044-1107

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](http://www.training.bobcat.com) or [www.bobcat.com](http://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](http://www.training.bobcat.com) or [www.bobcat.com](http://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](http://www.training.bobcat.com) or [www.bobcat.com](http://www.bobcat.com).

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Service Manual

## 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.



Cutting or drilling concrete containing sand or rock containing quartz may result in exposure to silica dust. Do not exceed Permissible Exposure Limits (PEL) to silica dust as determined by OSHA or other job site Rules and Regulations. Use a respirator, water spray or other means to control dust. Silica dust can cause lung disease and is known to the state of California to cause cancer.

**Call Before You Dig**  
**Dial 811 (USA Only)**  
**1-888-258-0808 (USA & Canada)**

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

## FIRE PREVENTION



### Maintenance

The machine and some attachments have components that are at high temperatures 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 can cause a fire hazard. Clean often to avoid this accumulation. Flammable debris in the engine compartment is a potential fire hazard.

The operator's area, engine compartment and engine cooling system must be inspected every day and cleaned if necessary to prevent fire hazards and overheating.

All fuels, most lubricants and some coolants mixtures are flammable. Flammable fluids that are leaking or spilled onto hot surfaces or onto electrical components can cause a fire.

### Operation

Do not use the machine where exhaust, arcs, sparks or hot components can contact flammable material, explosive dust or gases.

### Electrical



Check all electrical wiring and connections for damage. Keep the battery terminals clean and tight. Repair or replace any damaged part or wires that are loose or frayed.

Battery gas can explode and cause serious injury. Use the procedure in the Operation & Maintenance Manual for connecting the battery and for jump starting. Do not jump start or charge a frozen or damaged battery. Keep any open flames or sparks away from batteries. Do not smoke in battery charging area.

## Hydraulic System

Check hydraulic tubes, hoses and fittings for damage and leakage. Never use open flame or bare skin to check for leaks. Hydraulic tubes and hoses must be properly routed and have adequate support and secure clamps. 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.

### Fueling



Stop the engine and let it cool before adding fuel. No smoking! Do not refuel a machine near open flames or sparks. Fill the fuel tank outdoors.

### Starting

Do not use ether or starting fluids on any engine that has glow plugs or air intake heater. These starting aids can cause explosion and injure you or bystanders.

Use the procedure in the Operation & Maintenance Manual for connecting the battery and for jump starting.

## Spark Arrestor Exhaust System

The spark arrestor exhaust system 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.

Check the spark arrestor exhaust system regularly to make sure it is maintained and working properly. Use the procedure in the Operation & Maintenance Manual for cleaning the spark arrestor muffler (if equipped).

## **FIRE PREVENTION (CONT'D)**

### **Welding And Grinding**

Always clean the machine and attachment, disconnect the battery, and disconnect the wiring from the Bobcat 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 dust mask when grinding painted parts. Toxic dust or gas can be produced.

Dust generated from repairing nonmetallic parts such as hoods, fenders or covers can be flammable or explosive. Repair such components in a well ventilated area away from open flames or sparks.

### **Fire Extinguishers**



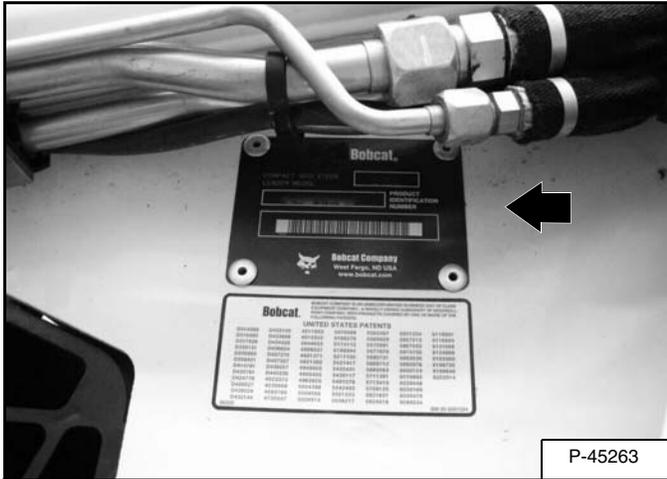
Know where fire extinguishers and first aid kits are located and how to use them. Inspect the fire extinguisher and service the fire extinguisher regularly. Obey the recommendations on the instructions plate.

## SERIAL NUMBER LOCATION

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 1



The loader serial number plate is located on the outside of the loader frame [Figure 1].

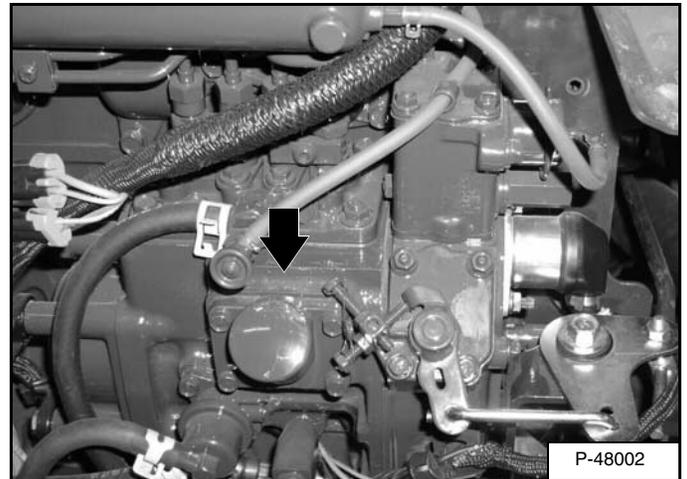
Explanation of loader Serial Number:

| XXXX                               | XXXXX                                 |
|------------------------------------|---------------------------------------|
| Model 1.-Model/ Engine Combination | Model 2.-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 2



The engine serial number is in the location shown [Figure 2].

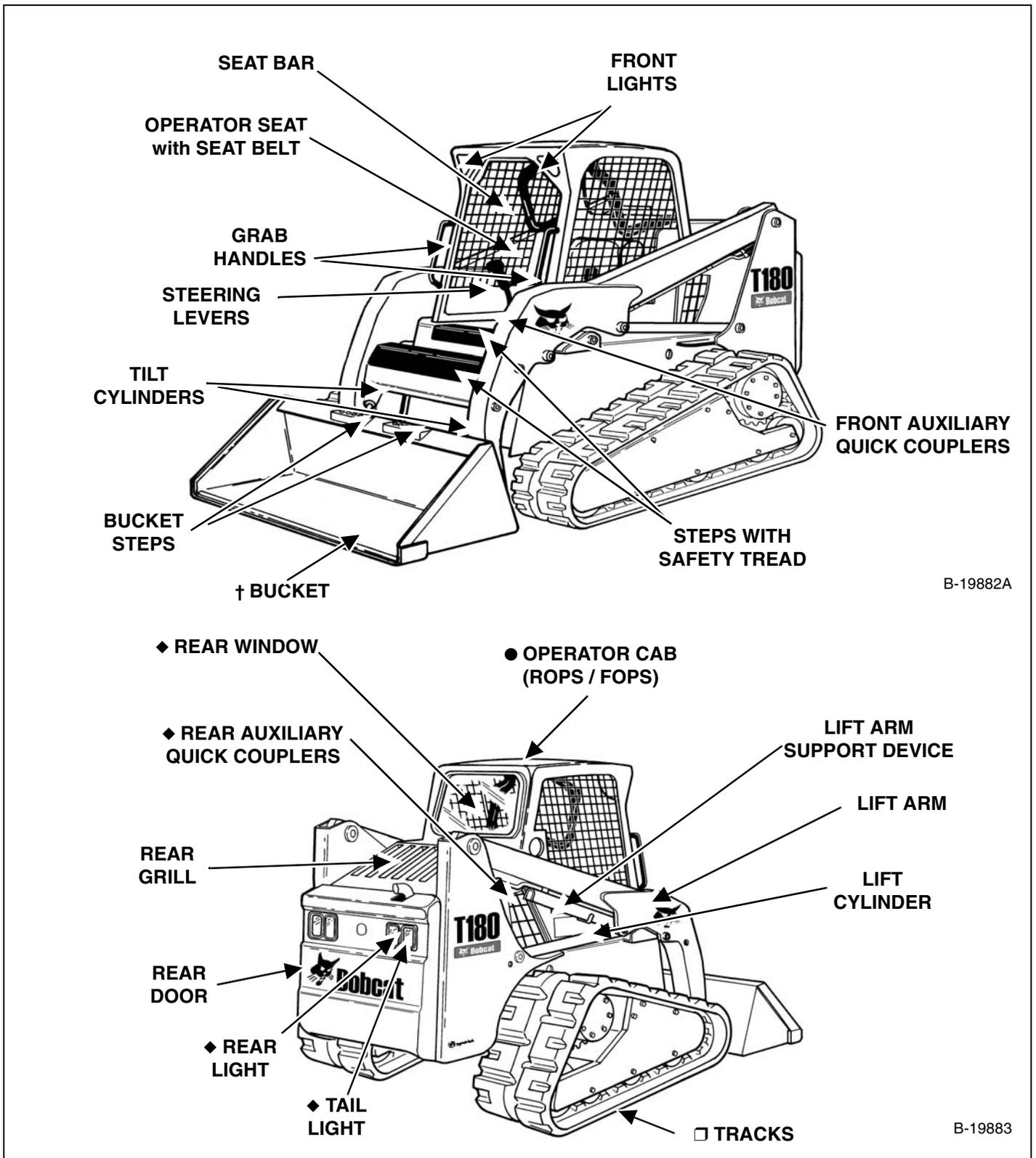
## DELIVERY REPORT

Figure 3

The diagram shows a form layout for a delivery report. It includes a title 'DELIVERY REPORT', a 'WARNING' section, and a reference code 'B-16315'.

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 3]**.

## LOADER IDENTIFICATION



B-19882A

B-19883

- ◆ OPTIONAL OR FIELD ACCESSORY (Not Standard Equipment)
- TRACKS - Optional tracks are available.
- † Bucket - Several different buckets and other attachments are available for this machine.
- ROPS, FOPS - Roll Over Protective Structure, per SAE J1040 and ISO 3471, and Falling Object Protective Structure per ISO 3449, Level I. Level II is available. Extra insulated cab is available as an option (Reduced noise level).



**Bobcat®**

## SAFETY & MAINTENANCE

|  |          |
|--|----------|
| AIR CLEANER SERVICE . . . . .                    | 10-80-1  |
| Replacing Filter Element . . . . .               | 10-80-1  |
| BOB-TACH . . . . .                               | 10-140-1 |
| Inspection And Maintenance . . . . .             | 10-140-1 |
| ENGINE COOLING SYSTEM . . . . .                  | 10-90-1  |
| Cleaning The Cooling System . . . . .            | 10-90-1  |
| Checking The Coolant Level . . . . .             | 10-90-2  |
| Replacing the Coolant . . . . .                  | 10-90-2  |
| ENGINE LUBRICATION SYSTEM . . . . .              | 10-110-1 |
| Checking Engine Oil . . . . .                    | 10-110-1 |
| Oil Chart. . . . .                               | 10-110-1 |
| Replacing Oil And Filter. . . . .                | 10-110-2 |
| FAN GEARBOX. . . . .                             | 10-130-1 |
| Checking And Maintaining . . . . .               | 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 |
| Breather Cap . . . . .                           | 10-120-4 |
| Checking And Adding Fluid . . . . .              | 10-120-1 |
| Replacing Hydraulic Fluid . . . . .              | 10-120-2 |
| Replacing Hydraulic/Hydrostatic Filter . . . . . | 10-120-1 |
| LIFT ARM SUPPORT DEVICE . . . . .                | 10-20-1  |
| Installing Lift Arm Support Device . . . . .     | 10-20-1  |
| Removing The Lift Arm Support Device. . . . .    | 10-20-2  |
| LIFTING AND BLOCKING THE LOADER . . . . .        | 10-10-1  |
| Procedure . . . . .                              | 10-10-1  |
| LUBRICATION OF THE BOBCAT LOADER. . . . .        | 10-150-1 |
| Procedure . . . . .                              | 10-150-1 |

**Continued On Next Page**

## **SAFETY & MAINTENANCE (CONT'D)**

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| Cab Door Sensor .....                | 10-30-3  |
| Description .....                    | 10-30-1  |
| Emergency Exit .....                 | 10-30-4  |
| Lowering The Operator Cab .....      | 10-30-2  |
| Raising The Operator Cab .....       | 10-30-1  |
| <br>                                 |          |
| POWER BOB-TACH (OPTION) .....        | 10-141-1 |
| Inspection And Maintenance .....     | 10-141-1 |
| <br>                                 |          |
| REMOTE START .....                   | 10-60-1  |
| Procedure .....                      | 10-60-1  |
| <br>                                 |          |
| SERVICE SCHEDULE .....               | 10-70-1  |
| Chart .....                          | 10-70-1  |
| <br>                                 |          |
| SPARK ARRESTOR MUFFLER .....         | 10-160-1 |
| Cleaning Procedure .....             | 10-160-1 |
| <br>                                 |          |
| TOWING THE LOADER .....              | 10-50-1  |
| Procedure .....                      | 10-50-1  |
| <br>                                 |          |
| TRANSPORTING THE BOBCAT LOADER ..... | 10-40-1  |
| Procedure .....                      | 10-40-1  |

**TIGHTEN ALL HARDWARE PER SIZE TO GRADE 5 TORQUE (SEE STANDARD TORQUE SPECIFICATIONS FOR BOLTS, SPEC SECTION) UNLESS OTHERWISE SPECIFIED.**

**SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE AND STANDARD ITEMS MAY VARY.**

## LIFTING AND BLOCKING THE LOADER

### **WARNING**

#### **AVOID INJURY OR DEATH**

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-2003-0807

Figure 10-10-1



#### Procedure

### **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

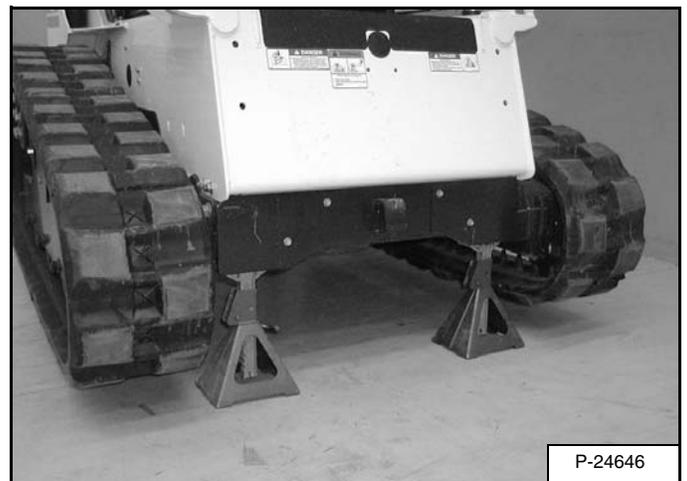


Always park the loader on a level surface.

Put floor jack under the rear of the loader [Figure 10-10-2].

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

Figure 10-10-3



Put the floor jack under the front of the loader [Figure 10-10-3].

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

**NOTE:** Make sure the jackstands do not touch the tracks. Make sure tracks clear the floor or any obstacles.



**Bobcat®**

## LIFT ARM SUPPORT DEVICE

### Installing Lift Arm Support Device

# ! WARNING

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.

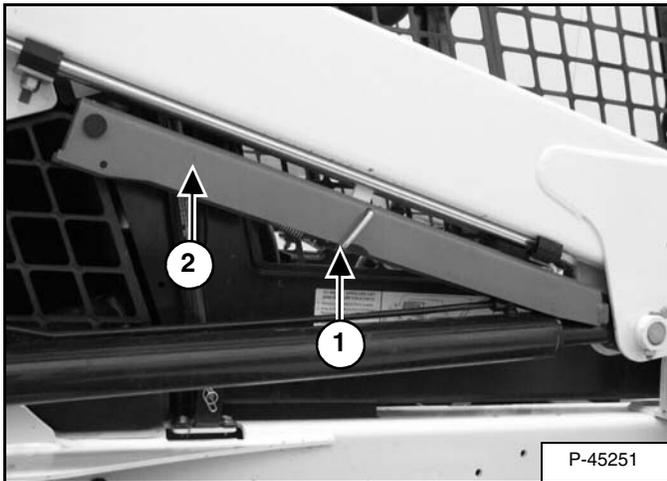
W-2059-0598

# ! WARNING

Repair the support device if damaged or if parts are missing. Using a damaged support device or with missing parts can cause lift arms or boom to fall causing serious injury or death.

W-2271-1007

Figure 10-20-1



Disconnect the spring from the lift arm support device retaining pin (Item 1). Support the lift arm support device (Item 2) with your hand and remove the retaining pin [Figure 10-20-1].

# ! DANGER



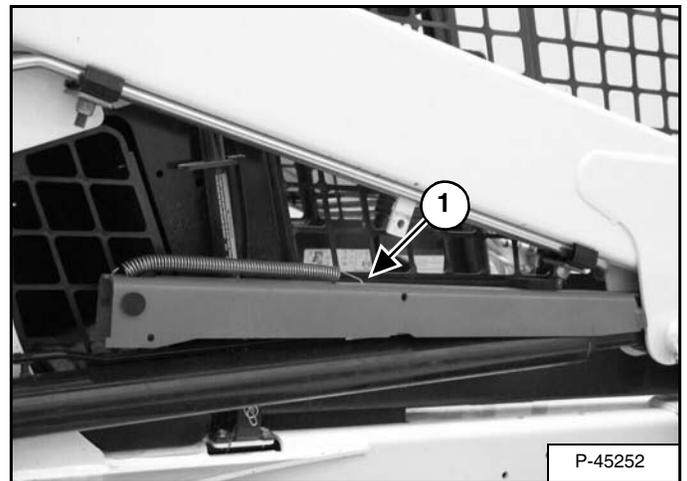
P-90328

## AVOID DEATH

- Disconnecting or loosening any hydraulic tubeline, hose, fitting, component or a part failure can cause lift arms to drop.
- Keep out of this area when lift arms are raised unless supported by an approved lift arm support. Replace if damaged.

D-1009-0409

Figure 10-20-2



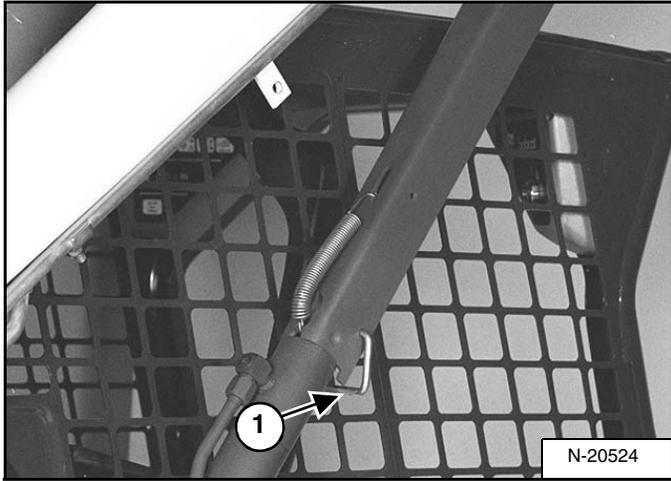
Lower the lift arm support device on top of the lift cylinder. Hook the free end of the spring (Item 1) [Figure 10-20-2] to the lift arm support device so there will be no interference with the support device engagement.

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

## LIFT ARM SUPPORT DEVICE (CONT'D)

### Installing Lift Arm Support Device (Cont'd)

Figure 10-20-3



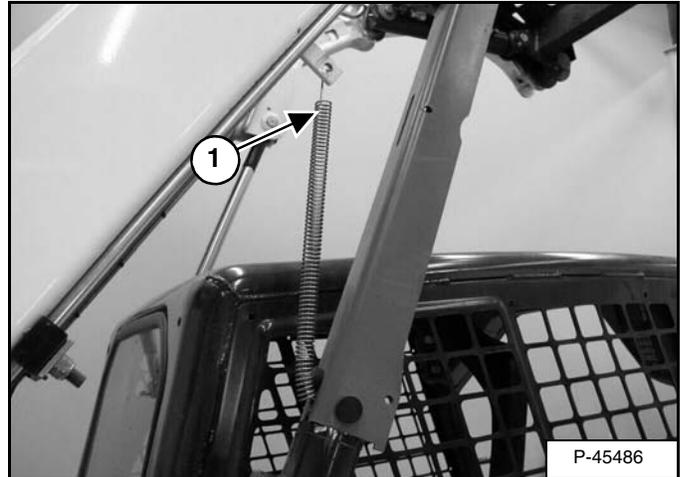
Raise the lift arms, until the lift arm support device drops onto the lift cylinder rod [Figure 10-20-3].

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 pedals until both pedals lock.

Install pin (Item 1) [Figure 10-20-3] into the rear of the lift arm support device below the cylinder rod.

### Removing The Lift Arm Support Device

Figure 10-20-4



Remove the pin from the lift arm support device.

Connect the spring (Item 1) [Figure 10-20-4] from the lift arm support device to the bracket below the lift arms.

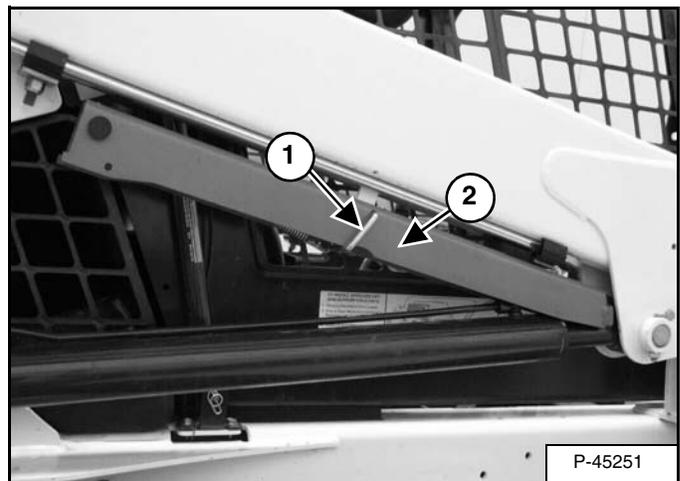
With the operator in the seat, seat belt fastened and seat bar lowered, start the engine.

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

Raise the seat bar and move pedals until both pedals lock.

Disconnect the spring from the bracket.

Figure 10-20-5



Raise the support device into storage position and insert pin (Item 1) through lift arm support device (Item 2) and bracket [Figure 10-20-5]. Connect spring to pin.

## 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.

### Raising The Operator Cab

 **WARNING**

**UNEXPECTED LOADER, LIFT ARM OR ATTACHMENT MOVEMENT CAUSED BY CAB CONTACT WITH CONTROLS CAN CAUSE SERIOUS INJURY OR DEATH**

- **STOP ENGINE** before raising or lowering cab.

W-2758-0908

 **WARNING**

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

W-2069-0200

Figure 10-30-1

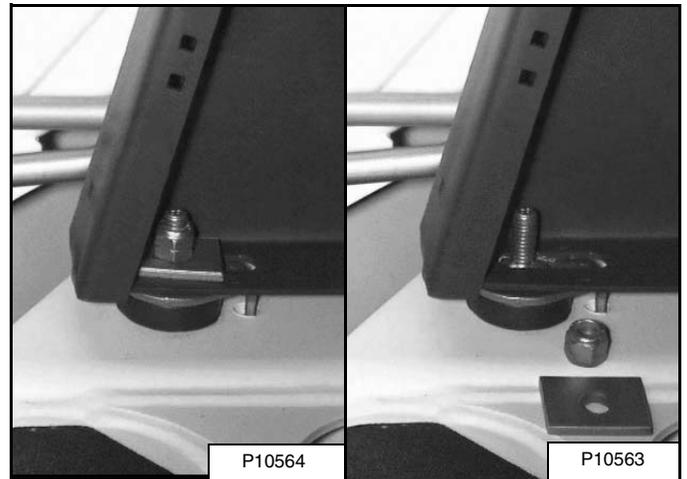


Always stop the engine before raising or lowering the cab.

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

Install jackstands under the rear of the loader frame [Figure 10-30-1].

Figure 10-30-2



Loosen the nut (both sides) at the front corners of the operator cab [Figure 10-30-2].

Remove the nuts and plates [Figure 10-30-2] (both sides).

## OPERATOR CAB (CONT'D)

### Raising The Operator Cab (Cont'd)

Figure 10-30-3



Lift on the grab handle and bottom of the operator cab slowly until the cab is all the way up and the latching mechanism engages [Figure 10-30-3].

### Lowering The Operator Cab

Figure 10-30-4



Always stop the engine before raising or lowering the cab.

**NOTE: Make sure the seat bar is fully raised or lowered when lowering the cab. Always use the grab handles to lower the cab.**

Pull down on the bottom of the operator cab until it stops at the latching mechanism [Figure 10-30-4].

Release the latching mechanism (Inset) [Figure 10-30-4] and pull the cab all the way down.



# DANGER



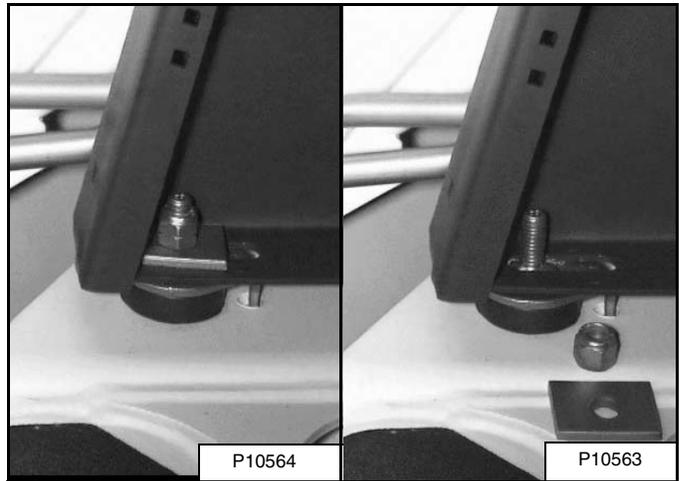
P-90328

### AVOID DEATH

- Disconnecting or loosening any hydraulic tubeline, hose, fitting, component or a part failure can cause lift arms to drop.
- Keep out of this area when lift arms are raised unless supported by an approved lift arm support. Replace if damaged.

D-1009-0409

Figure 10-30-5



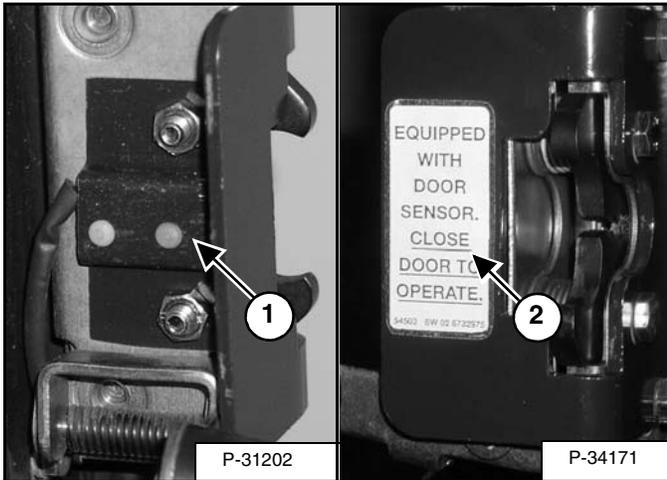
Install the plates and nuts [Figure 10-30-5] (both sides).

Tighten the nuts to 40 - 50 ft.-lb. (54 - 68 N•m) torque.

## OPERATOR CAB (CONT'D)

### Cab Door Sensor

Figure 10-30-6



The cab door (option) has a sensor (Item 1) [Figure 10-30-6] which deactivates the lift and tilt valves when the door is open.

A decal (Item 2) [Figure 10-30-6] on the door handle indicates if door is equipped with the sensor.

## OPERATOR CAB (CONT'D)

### Emergency Exit

Figure 10-30-7



The front opening on the operator cab and rear window provide exits.

#### Rear Window (If Equipped)

Pull on the tag on the top of the rear window to remove the rubber cord [Figure 10-30-7].

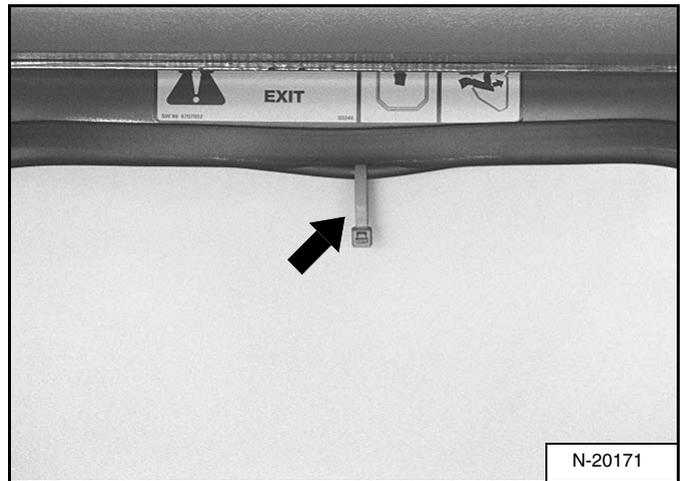
Figure 10-30-8



Push the rear window out of the rear of the operator cab.

Exit through the rear of the operator cab [Figure 10-30-8].

Figure 10-30-9



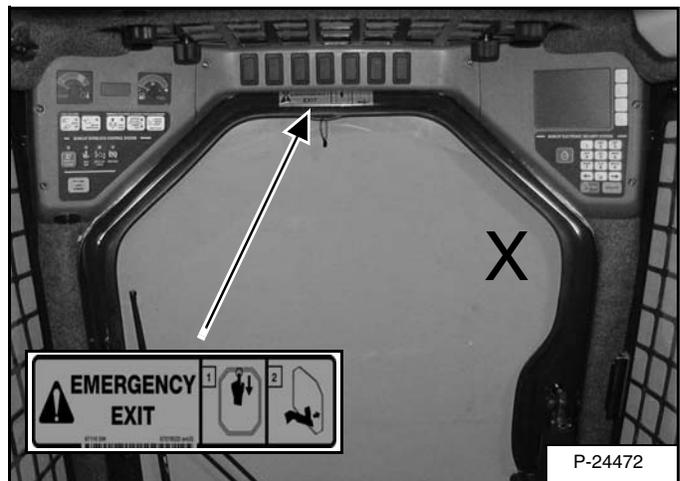
#### Front Door (If Equipped)

**NOTE:** When an Operator Cab Enclosure Kit is installed, the window of the front door can be used as an emergency exit. [Figure 10-30-9]

**NOTE:** If the loader has a Special Application Door Kit installed, the window of the front door is NOT an emergency exit.

Pull the plastic loop at the top of the window in the front door to remove the rubber cord [Figure 10-30-9].

Figure 10-30-10



Push the window out with your foot [Figure 10-30-10] at any corner of the window.

Exit through the front door.

## TRANSPORTING THE BOBCAT LOADER

### Procedure

# ! WARNING

### AVOID SERIOUS INJURY OR DEATH

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-2058-0807

Figure 10-40-1



Be sure the transport and towing vehicles are of adequate size and capacity (See Performance on Page SPEC-10-2 for weight of loader.).

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 (Item 1) [Figure 10-40-1] when loading or unloading the loader to prevent the front end of the trailer from raising up.

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].
- Fasten each end of the chain to the transport vehicle.

Product: 2010 Bobcat T180 Compact Track Loader Service Repair Workshop Manual(S/N 524211001 & Above,S/N 524311001  
Full Download: <https://www.arepairmanual.com/downloads/2010-bobcat-t180-compact-track-loader-service-repair-workshop-manuals-n-524211001-above-s-n-524311001-above-s-n-527511001-above-s-n-527611001-above/>



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Sample of manual. Download All 961 pages at:  
<https://www.arepairmanual.com/downloads/2010-bobcat-t180-compact-track-loader-service-repair-workshop-manuals-n-524211001-above-s-n-524311001-above-s-n-527511001-above-s-n-527611001-above/>