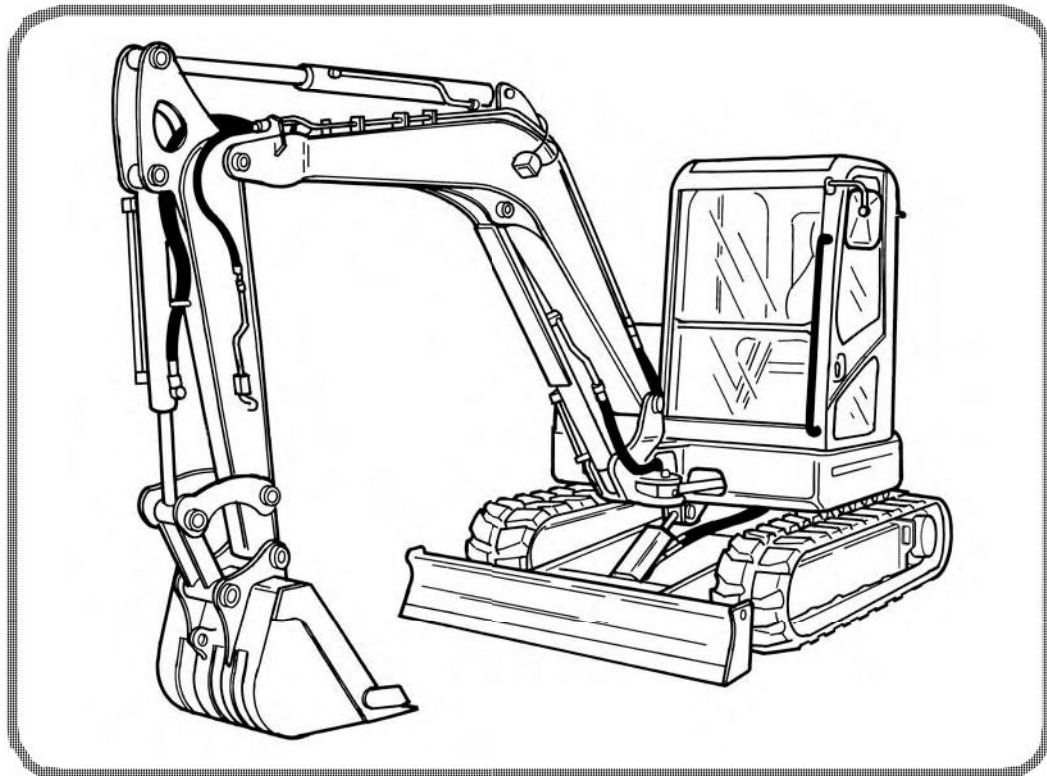




Bobcat®

Service Manual E60 Compact Excavator

S/N AGSZ11001 & Above
S/N AET811001 & Above



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MAINTENANCE SAFETY



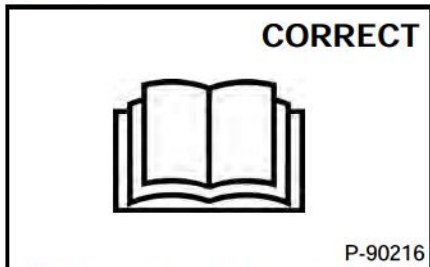
WARNING

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

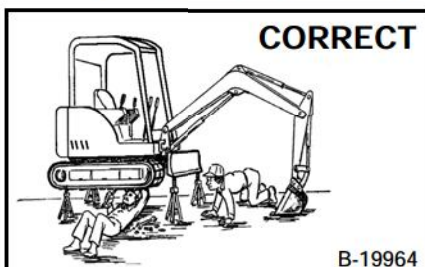


Safety Alert Symbol: This symbol with a warning statement, means: "Warning, be alert! Your safety is involved!" Carefully read the message that follows.



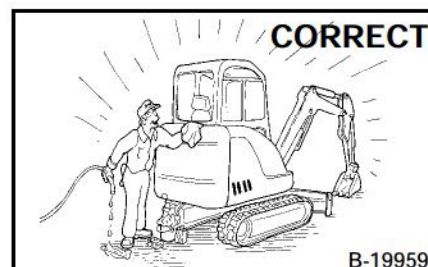
P-90216

- ⚠ Never service the Bobcat Excavator without instructions.



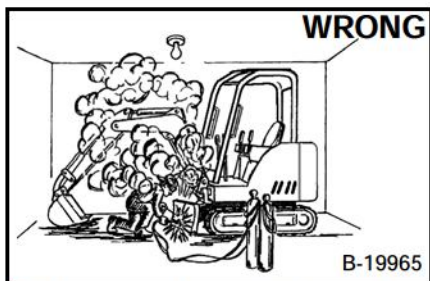
B-19964

- ⚠ Use the correct procedure to lift and support the excavator.



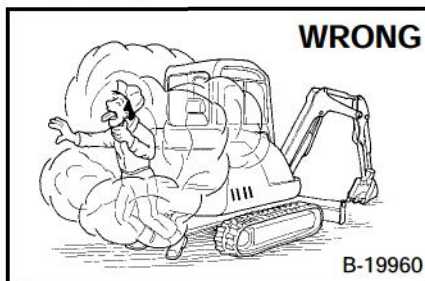
B-19959

- ⚠ Cleaning and maintenance are required daily.



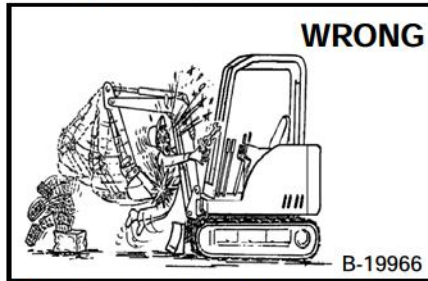
B-19965

- ⚠ Have good ventilation when welding or grinding painted parts.
- ⚠ Wear dust mask when grinding painted parts. Toxic dust and gas can be produced.



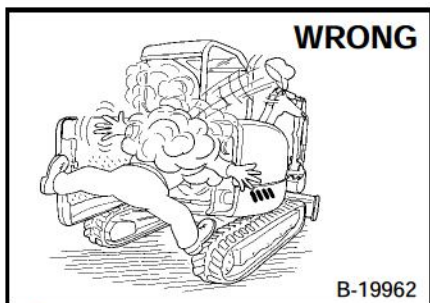
B-19960

- ⚠ Vent exhaust to outside when engine must be run for service.
- ⚠ Exhaust system must be tightly sealed. Exhaust fumes can kill without warning.



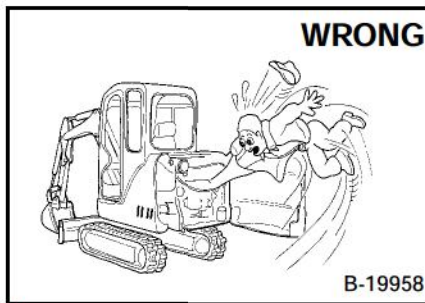
B-19966

- ⚠ Always lower the bucket and blade to the ground before doing any maintenance.
- ⚠ Never modify equipment or add attachments not approved by Bobcat Company.



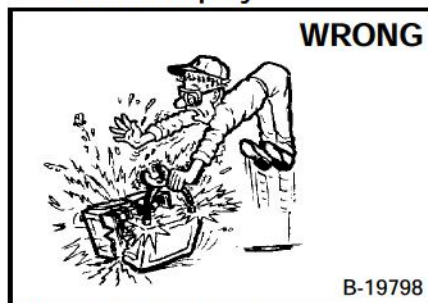
B-19962

- ⚠ 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.



B-19958

- ⚠ 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 protections approved for type of welding.
- ⚠ Keep tailgate closed except for service. Close and latch tailgate before operating the excavator.



B-19798

- ⚠ 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.

MSW28-0409

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<https://www.ebooklibonline.com>

Hello dear friend!

Thank you very much for reading.

Enter the link into your browser.

The full manual is available for immediate download.

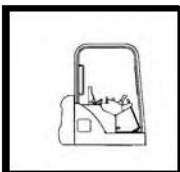
<https://www.ebooklibonline.com>

FOREWORD

This manual is for the Bobcat excavator mechanic. It provides necessary servicing and adjustment procedures for the Bobcat excavator 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 excavator has had service or repair:

1. Check that the ROPS / TOPS / FOPS is in good condition and is not modified.



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



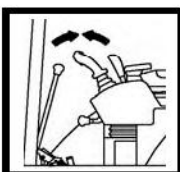
3. The seat belt must be correctly installed, functional and in good condition.



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



5. Travel levers, control levers and foot pedals must return to neutral. Check that the pedal locks are in working order.



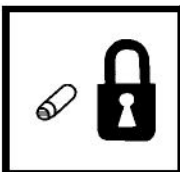
6. Check for correct function of the work lights.



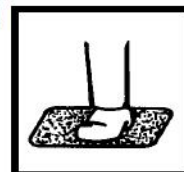
7. Enclosure door latches must open and close freely.



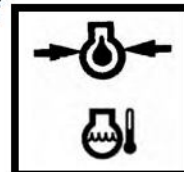
8. Attachment locking pins must function correctly and be in good condition.



9. Safety treads must be in good condition.



10. Check for correct function of indicator lamps.



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



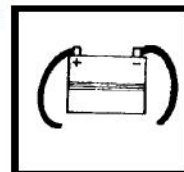
12. Inspect for fuel, oil or hydraulic fluid leaks.



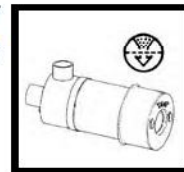
13. Lubricate the excavator.



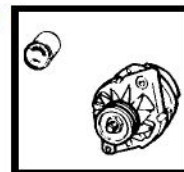
14. Check the condition of the battery and cables.



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

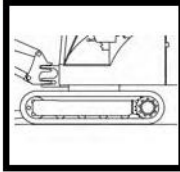


16. Check the electrical charging system.

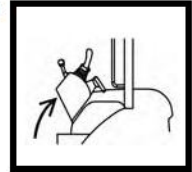


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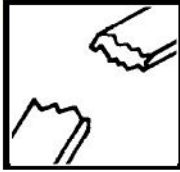
17. Check tracks for wear and tension. Use only approved tracks.



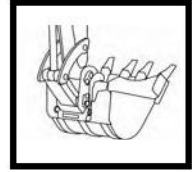
21. Check the control console interlocks for correct function.



18. Inspect for loose or broken parts or connections.



22. Inspect the attachment quick coupler for wear or damage. Repair or replace damaged parts.



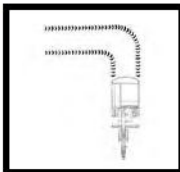
19. Check for any field modification not completed.



23. Check function or condition of all equipped options and accessories (examples: special applications kit, motion alarm, etc.).



20. Operate the machine and check all functions.



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



**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.

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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.



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



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

I-2019-0284



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



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 Compact Excavator 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 Bobcat excavator. 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 Bobcat compact excavator Safety Video is available from your Bobcat dealer or at www.training.bobcat.com or www.bobcat.com.

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 Arrester Exhaust System

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

FIRE PREVENTION (CONT'D)

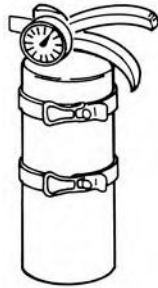
Welding And Grinding

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



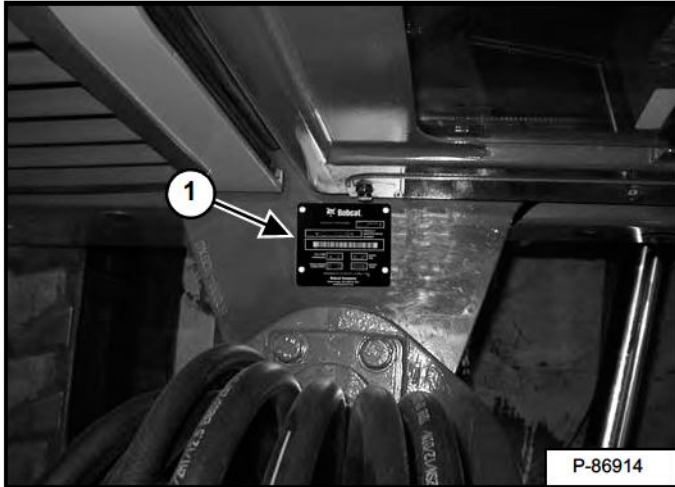
Know where fire extinguishers and first aid kits are located and how to use them. Inspect the fire extinguisher and service the fire extinguisher regularly. Obey the recommendations on the instructions plate.

SERIAL NUMBER LOCATIONS

Always use the serial number of the excavator 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.

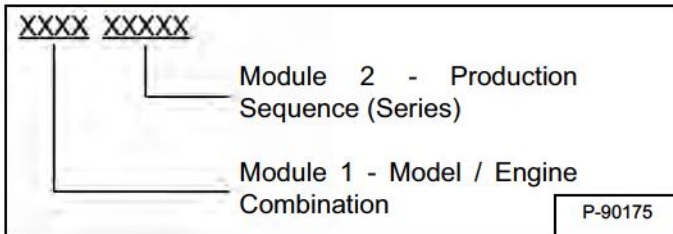
Excavator Serial Number

Figure 1



The excavator serial number plate (Item 1) is located on the frame of the machine in the location shown [Figure 1].

Figure 2

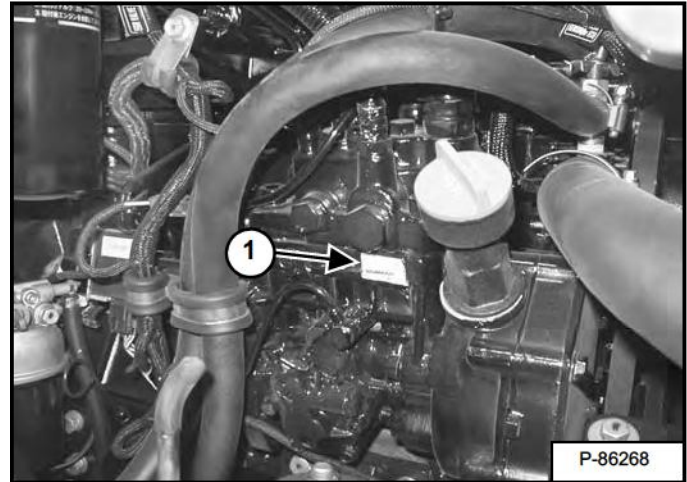


Explanation of excavator Serial Number [Figure 2]:

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 excavator is produced.

Engine Serial Number

Figure 3



The engine serial number (Item 1) [Figure 3] is located on the side of the engine.

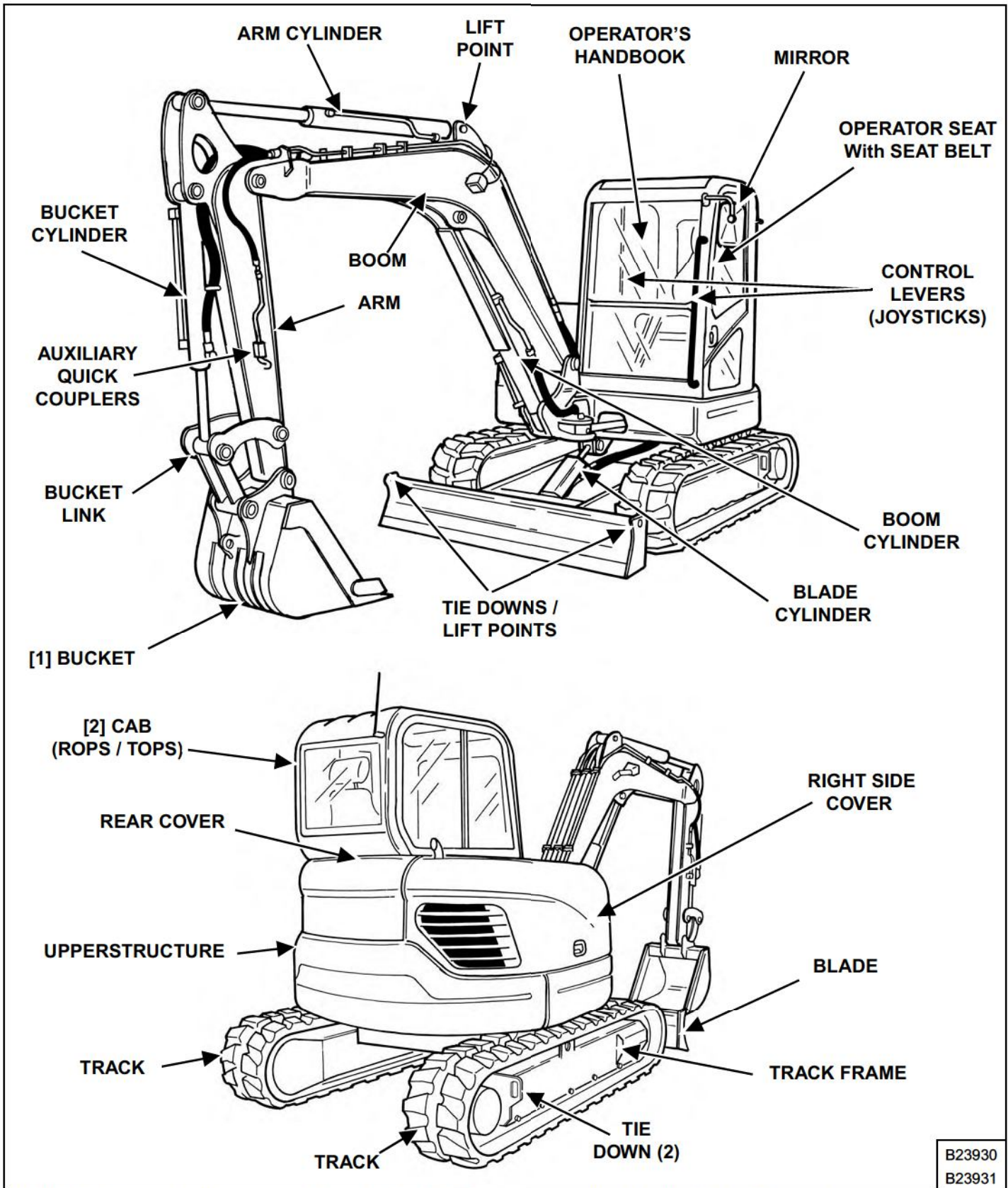
DELIVERY REPORT

Figure 4

The diagram shows a form titled "DELIVERY REPORT". The form is divided into several sections. At the top right, the title "DELIVERY REPORT" is printed. Below the title, there are several horizontal lines for text entry. On the left side, there is a section with a dark header labeled "WARNING" and several lines of text below it. The bottom right corner of the form contains the alphanumeric code "B-16315".

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

EXCAVATOR IDENTIFICATION



[1]BUCKET - Several different buckets and other attachments are available for the Bobcat Excavator.

[2]ROPS, TOPS - (Roll Over Protective Structure / Tip Over Protective Structure) as standard equipment. The ROPS / TOPS meets ISO 3471 and ISO 12117.

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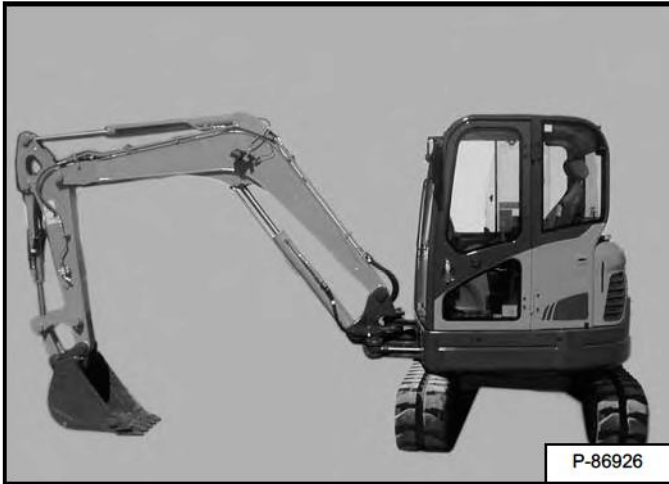
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LIFTING AND BLOCKING THE EXCAVATOR

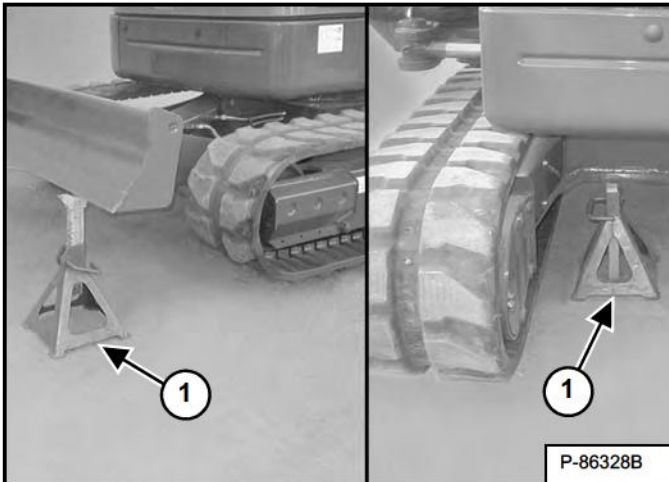
Procedure

Figure 10-10-1



Raise one side of the machine (approximately four inches) using the boom and arm [Figure 10-10-1].

Figure 10-10-2



Raise the blade fully and install jack stands under the blade and track frame (Item 1) [Figure 10-10-2]. Lower the boom until all machine weight is on the jack stands.

Stop the engine.

WARNING

AVOID INJURY

Keep fingers and hands out of pinch points when checking the track tension.

W-2142-0903

WARNING

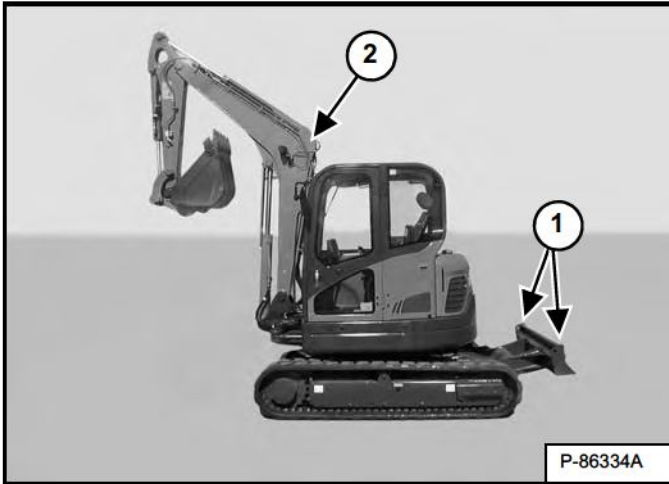
Put jackstands under the blade and rear corners of the undercarriage before working under the machine. Failure to block up the machine may allow it to move or fall and result in injury or death.

W-2218-1195

LIFTING THE EXCAVATOR

Procedure

Figure 10-20-1



Fully extend the cylinders of the bucket, arm, and boom so that the excavator is in the position as shown [Figure 10-20-1].

Raise the blade fully.

Put all the control levers in neutral.

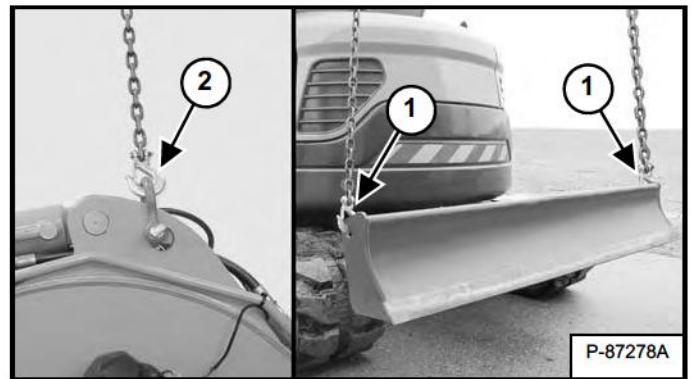


AVOID INJURY OR DEATH

- Use a lifting fixture with sufficient capacity for the weight of the excavator plus any added attachments.
- Maintain center of gravity and balance when lifting.
- Do not swing boom or upperstructure. Engage the upperstructure slew lock.
- Never lift with operator on machine.

W-2202-0607

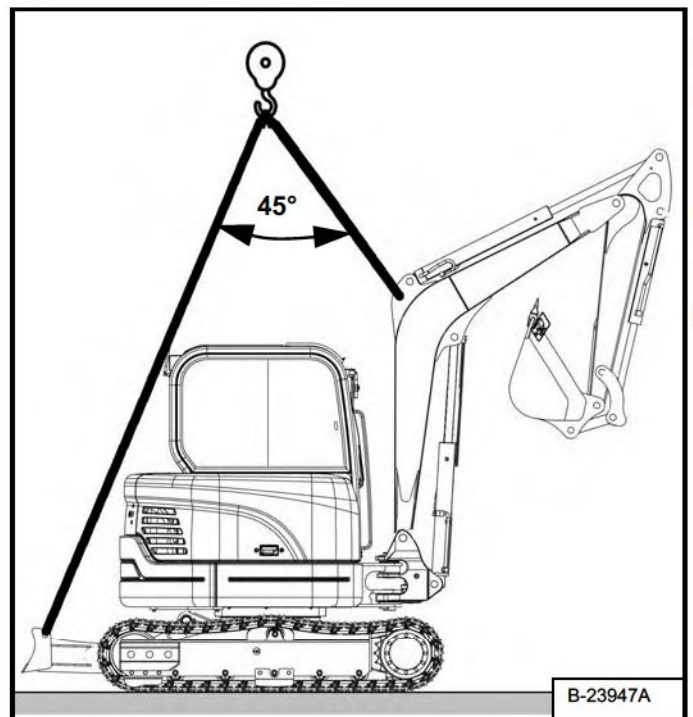
Figure 10-20-2



Fasten chains to the ends of the blade (Item 1) [Figure 10-20-1] and [Figure 10-20-2] and up to a lifting device above the cab. Place protective material between the chains and the cab and the upperstructure to prevent damage.

Fasten chains to the boom (Item 2) [Figure 10-20-1] and [Figure 10-20-2] and up to a lifting device above the cab. Place protective material between the chains and the cab and the upperstructure to prevent damage.

Figure 10-20-3



The maximum angle between the front and rear chains must not exceed 45° [Figure 10-20-3].

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OPERATOR CAB (ROPS / TOPS)

Description

The excavator has an operator cab equipped with heater, air conditioning and optional heated seat.

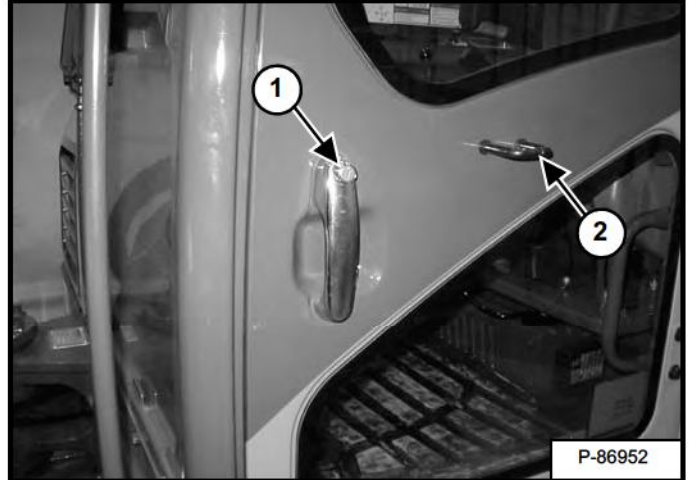
WARNING

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

Cab Door

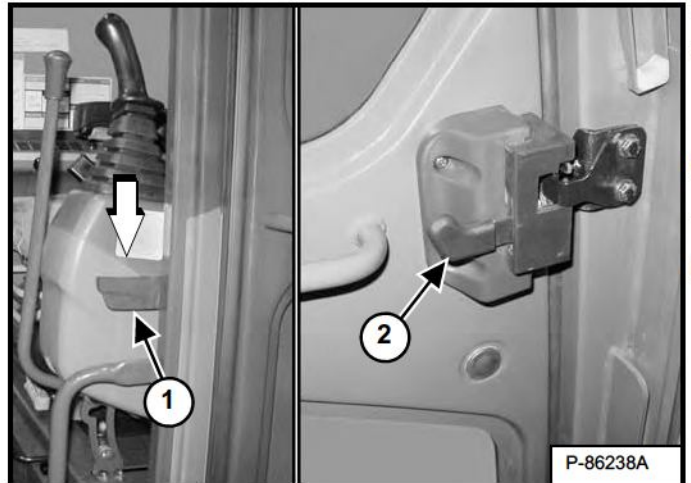
Figure 10-30-1



The cab door can be locked (Item 1) [Figure 10-30-1] with the same key as the starter switch.

The door can be held in the open position. Push the door all the way open until the latch (Item 2) [Figure 10-30-1] engages to hold the door in the open position.

Figure 10-30-2



When the door is in the open position, push down on the latch (Item 1)

[Figure 10-30-2] and close the door.

From inside the cab, open the door using handle (Item 2) [Figure 10-30-2].

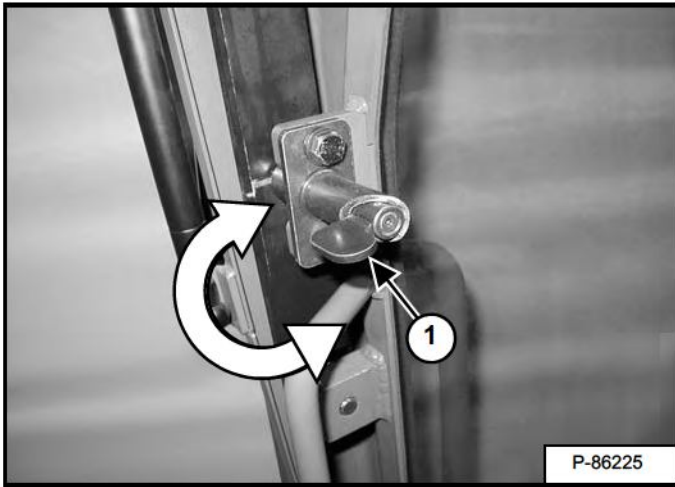
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OPERATOR CAB (ROPS / TOPS) (CONT'D)

Front Window

Opening The Front Window

Figure 10-30-3



Rotate the front window latch pins (Item 1) [Figure 10-30-3] (both sides).

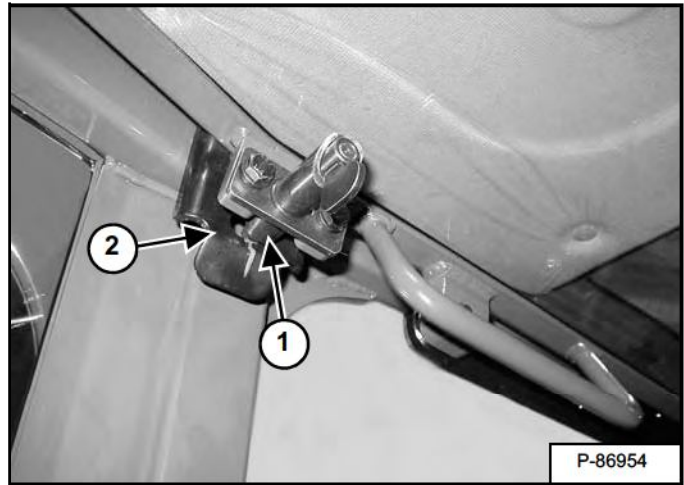
Figure 10-30-4



Use both window grab handles to pull the top of the window in [Figure 10-30-4].

Continue moving the window in and up over the operator's head until the window is fully raised.

Figure 10-30-5



When the window is fully raised, push up on the window slightly until the two latch pins (Item 1) (both sides) engage into the bracket (Item 2) [Figure 10-30-5] to lock the window in the open position. Pull down slightly on the window to make sure the latch pins are properly seated to hold the window securely in the open position.

Closing The Front Window

Support the window while rotating both window latch pins (Item 1) [Figure 10-30-5] to the unlocked position.

Using both window grab handles, pull the window forward and down to the closed position [Figure 10-30-4].

When the window is fully lowered, push in on the window slightly until the two latch pins (Item 1) [Figure 10-30-3] (both sides) engage into the bracket to lock the window in the closed position.

OPERATOR CAB (ROPS / TOPS) (CONT'D)

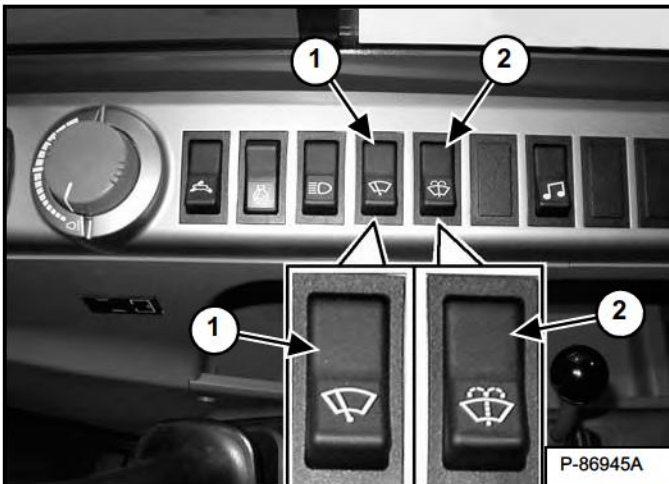
Front Wiper

Figure 10-30-6



The front window is equipped with a wiper (Item 1) [Figure 10-30-6] and washer.

Figure 10-30-7

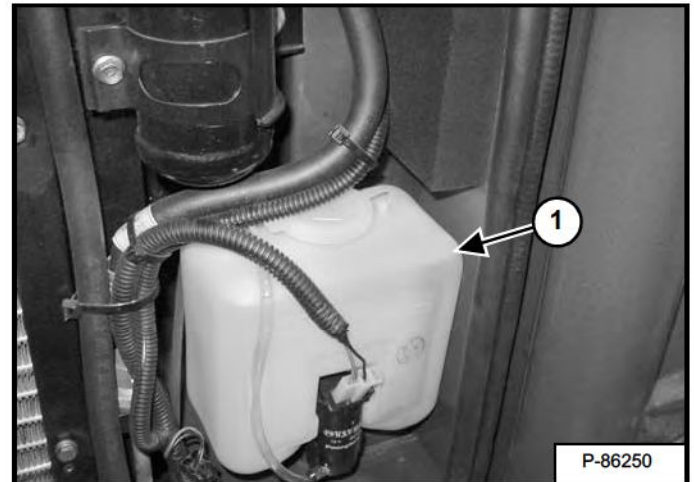


The wiper switch (Item 1) [Figure 10-30-7] has three positions, OFF, intermittent wiper mode and full speed.

The window washer switch (Item 2) activates the front window washer. (The wiper switch (Item 1) must be activated before the washer switch (Item 2) [Figure 10-30-7] will allow washer fluid to be sprayed on the front window.)

Window Washer Reservoir

Figure 10-30-8



The window washer reservoir (Item 1) [Figure 10-30-8] is located under the right side cover and to the front of the radiator. (When the temperature is 0°C (32°F.) or lower, fill the washer reservoir with washer fluid specified for freezing conditions. If the washer bottle is filled with water, it will freeze and damage the washer reservoir.)

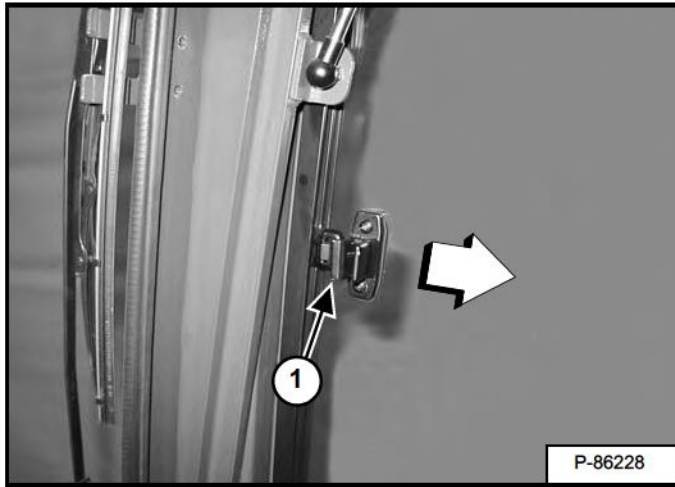
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OPERATOR CAB (ROPS / TOPS) (CONT'D)

Right Side Window

Opening The Right Front Window

Figure 10-30-9



Press the latch / handle (Item 1) [Figure 10-30-9] together and pull back on the latch / handle to open the right side window.

Closing The Right Front Window

Push the latch / handle (Item 1) [Figure 10-30-9] forward until the latch / handle lock the window in the closed position.

OPERATOR CAB (ROPS / TOPS) (CONT'D)

Heating, Ventilation And Air Conditioning Duct

Figure 10-30-10

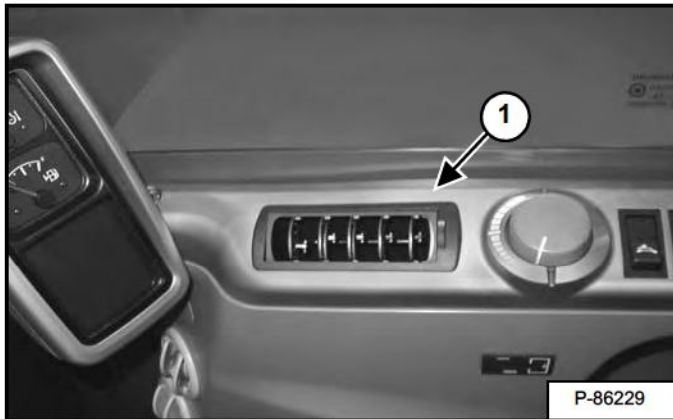


Figure 10-30-11

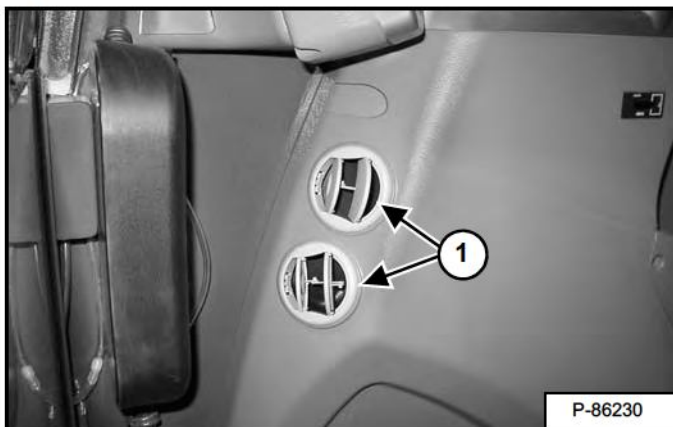
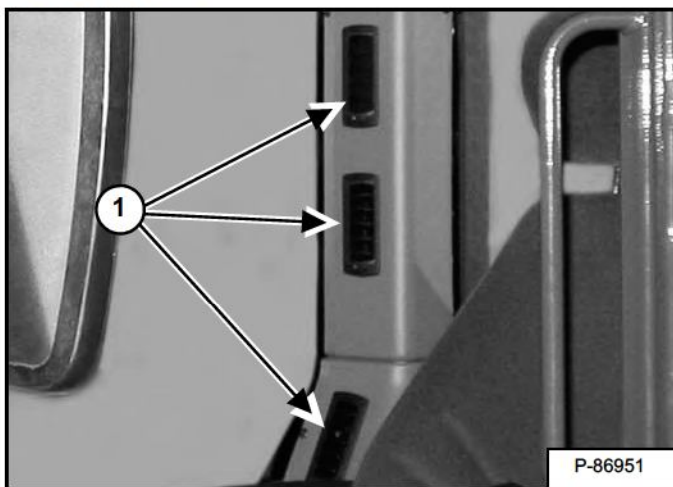
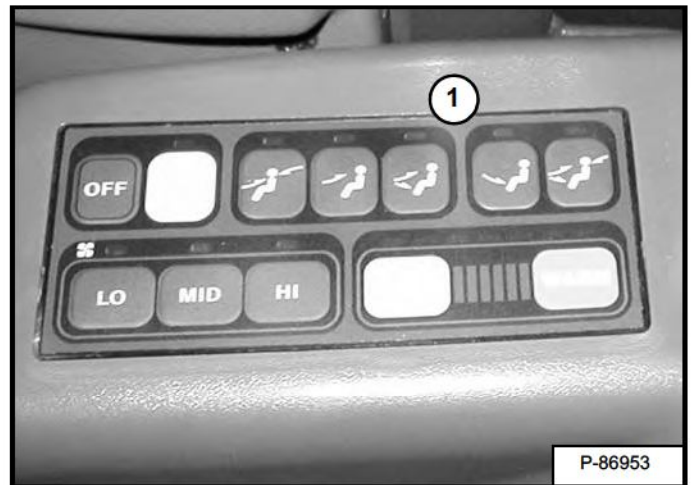


Figure 10-30-12



The excavator is equipped with seven air vents (Item 1) [Figure 10-30-10], [Figure 10-30-11], [Figure 10-30-12] that can be adjusted to deflect air flow to the desired area of the cab.

Figure 10-30-13



Use the one of the five buttons (Item 1) [Figure 10-30-13] located in the left console to control which air ducts are active.

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TRANSPORTING THE EXCAVATOR ON A TRAILER

Loading And Unloading

When transporting the machine, observe the rules, motor vehicle laws, and vehicle limit ordinances. Use a transport and towing vehicle of adequate length and capacity.

Secure the parking brakes and block the wheels of the transport vehicle.

Align the ramps with the center of the transport vehicle. Secure the ramps to the truck bed and be sure ramp angle does not exceed 15 degrees.

Use metal loading ramps with a slip resistant surface.

Use ramps that are the correct length and width and can support the weight of the machine.

The rear of the trailer must be blocked or supported when loading or unloading the machine to prevent the front of the transport vehicle from raising.

Determine the direction of the track movement before moving the machine (blade forward).

Figure 10-40-1



Move the machine forward onto the transport vehicle [Figure 10-40-1].

NOTE: When loading or unloading the machine or when operating in confined spaces, disengage the auto idle feature.

Do not change direction of the machine while it is on the ramps.

Lower the boom, arm, bucket, and blade to the transport vehicle.

Stop the engine and remove the key.

Put blocks at the front and rear of the tracks.

TRANSPORTING THE EXCAVATOR ON A TRAILER (CONT'D)

Fastening

Figure 10-40-2

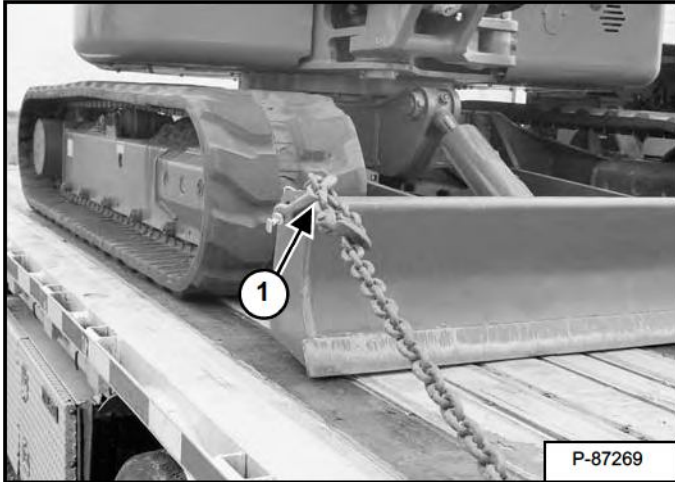
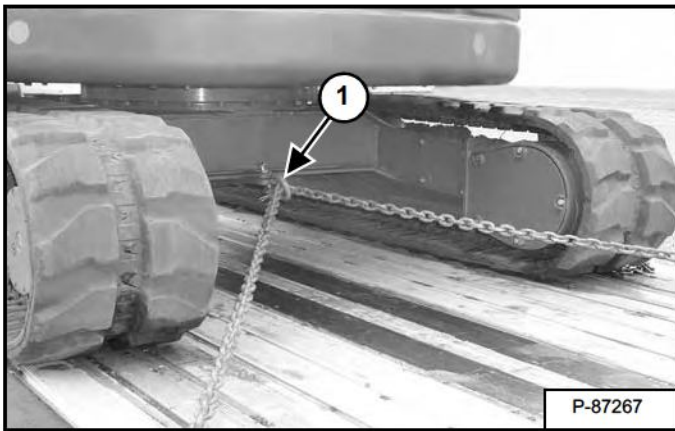


Figure 10-40-3



NOTE: A clevis may be used at the chain holes for the chains to be routed through for clearance.

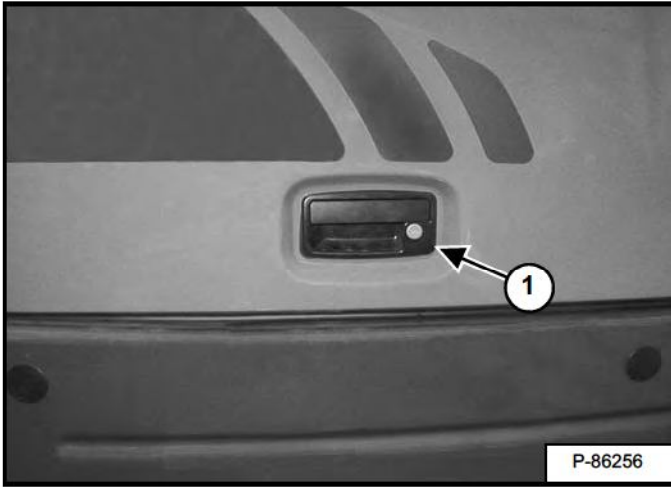
Fasten chains to both corners of the blade (Item 1) [Figure 10-40-2] and to the tie down loop at the rear of the track frame (Item 1) [Figure 10-40-3] to prevent it from moving when going up or down slopes or during sudden stops.

Use chain binders to tighten the chains and then safely tie the chain binder levers to prevent loosening.

RIGHT SIDE COVER

Opening And Closing

Figure 10-50-1

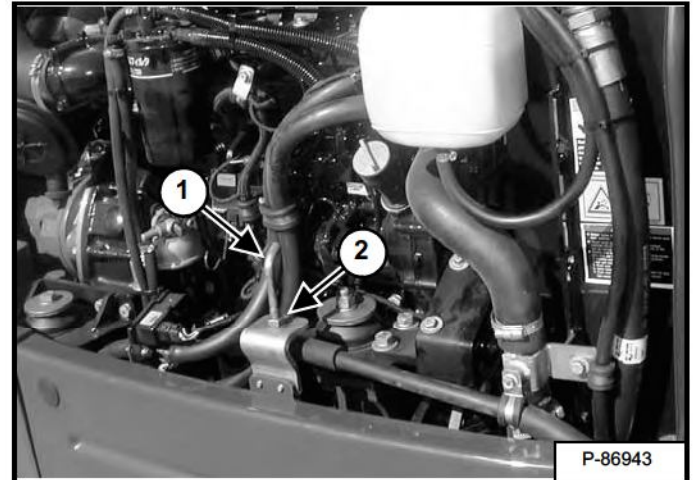


Pull the latch (Item 1) [Figure 10-50-1] and raise the right side cover.

NOTE: The right side cover can be locked using the start key.

Adjusting The Latch

Figure 10-50-2



The right side cover latch (Item 1) [Figure 10-50-2] can be adjusted.

Loosen the nut (Item 2) [Figure 10-50-2] and adjust the latch. Tighten the nut after the adjustment is made.

Close the right side cover before operating the excavator.

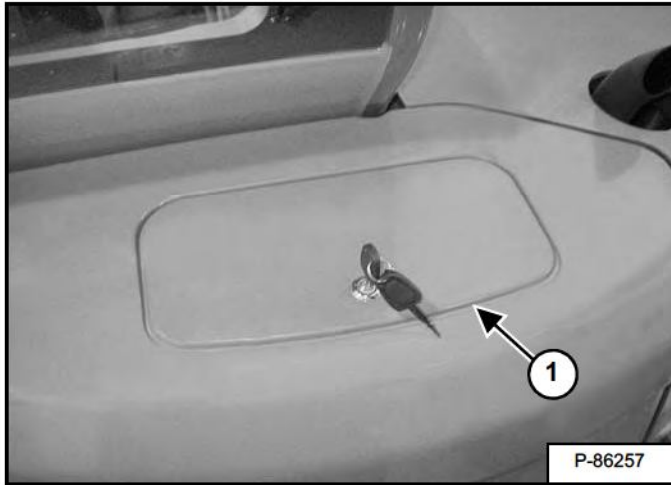
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REAR COVER

Opening And Closing

The hydraulic tank breather / filter and hydraulic oil fill cover is located under the rear cover.

Figure 10-60-1




Use the start key to unlock and open the rear cover (Item 1) [Figure 10-60-1].

Close and lock the rear cover when the service procedure is completed.

SERVICE SCHEDULE

Chart

Maintenance work must be done at regular intervals. Failure to do so will result in excessive wear and early failures. The service schedule is a guide for correct maintenance of the Bobcat Excavator.

 <b style="font-size: 24pt; margin-left: 10px;">WARNING	<p>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.</p> <p style="text-align: right; font-size: 10pt;">W-2003-0903</p>
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SERVICE SCHEDULE		HOURS					
ITEM	SERVICE REQUIRED	8-10	50	100	250	500	■ 1000
Engine Coolant	Check coolant level. Add premixed coolant as needed.						
Engine Oil	Check the engine oil level and add as needed.						
Hydraulic Fluid, Hoses and Tubelines, Reservoir Breather Cap	Check the hydraulic fluid level and add as needed. Check for damage and leaks. Repair or replace as needed.						
Engine Air Filter and Air System	Check condition indicator and empty dust cup as needed. Check air system for leaks.						
Tracks	Check and adjust track tension as needed.						
Indicators and Lights	Check for correct operation of all indicators and lights.						
Operator Cab	Check condition. Check mounting hardware.						
Seat Belt	Check condition. Check mounting hardware.						
Safety Signs and Safety Treads	Check for damaged signs (decals) and safety treads. Replace any signs or safety treads that are damaged or worn.						
Pivot Points	Grease all machinery pivot points.						
Cab Heater Air Filter	Clean the filter as needed.						
Console Lockout	Check console lockout for proper operation. Repair or replace as needed.						
Fuel Tank And Filter	Drain water and sediment from fuel tank and fuel filter.						
Swing Circle And Pinion	Grease two fittings.						
Battery	Check battery, cables, connections and electrolyte level. Add distilled water as needed.						
Accessory Drive Belt	Check condition of belt and adjust as needed.		●				
Spark Arrester Muffler	Clean the spark chamber.						
Fuel Filters	Replace fuel filters.		●				
Engine Oil and Filter	Replace oil and filter use CD or better grade oil and Bobcat filter.		●				
Travel Motor	Check the oil level in both travel motors						
Radiator, Oil Cooler, *A/C	Clean debris from the radiator fins.						
Primary Hydraulic Filter and Breather	Replace the primary hydraulic filter and the breather filter.			^			
Alternator And Starter	Check the alternator and starter connections.			^			
Engine Valves	Check and adjust the engine valve clearance.						
Hydraulic Oil Suction Filter	Replace the suction filter.						
Hydraulic System	Replace the hydraulic fluid and filters. Clean the reservoir.						
Travel Motor	Replace the oil in both travel motors.			^			
Engine Cooling System	Drain and flush the cooling system. Replace the coolant. Every two years.						

* If Equipped

● Check after the first 50 hours, then as scheduled.

^ Check after the first 100 hours, then as scheduled.

■ Or every 12 months.

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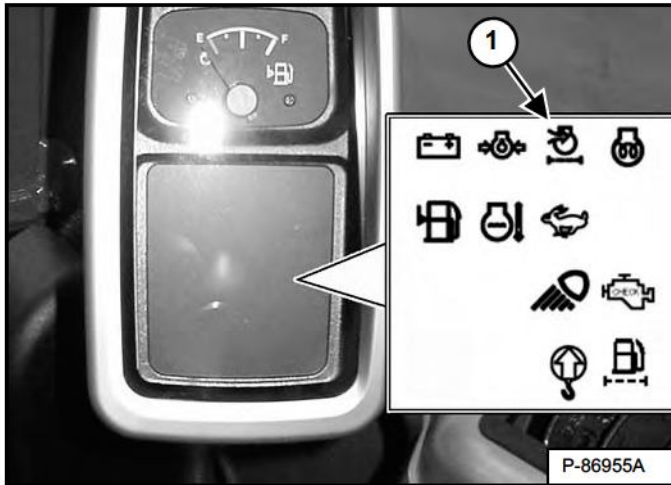
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AIR CLEANER SERVICE

See the chart for the correct service interval. (See Chart on Page 10-70-1.)

Daily Check

Figure 10-80-1

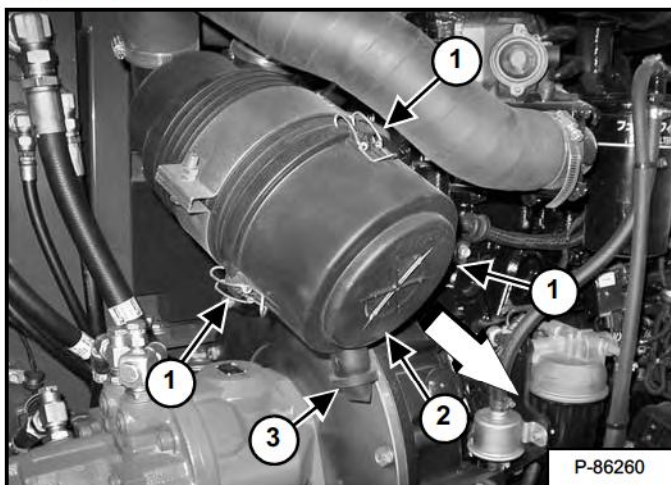


Check the air cleaner condition indicator icon (Item 1) [Figure 10-80-1] in the instrument panel. If the icon stays ON after the engine is started, the filter needs to be replaced.

Replacing The Filters

Open the right side cover to access the air cleaner for service. (See Opening And Closing on Page 10-50-1.)

Figure 10-80-2



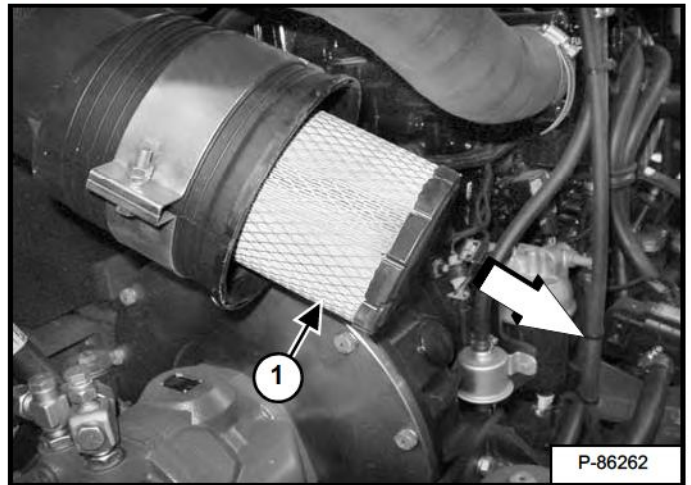
Replace the inner filter every third time the outer filter is replaced or as indicated.

Outer Filter

Pull out on the three fasteners (Item 1) and remove the cover [Figure 10-80-2].

Clean the dust cup (Item 2) [Figure 10-80-2].

Figure 10-80-3



Pull the outer filter (Item 1) [Figure 10-80-3] from the air cleaner housing.

Check the housing for damage.

Clean the housing and the seal surface. DO NOT use compressed air.

Install a new filter.

Install the cover and engage the three fastener (Item 1) [Figure 10-80-2].

Make sure the dust evacuator cup (Item 3) [Figure 10-80-2] is in the down position as shown.

Check the air intake hose and the air cleaner housing for damage. Make sure all connections are tight.

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