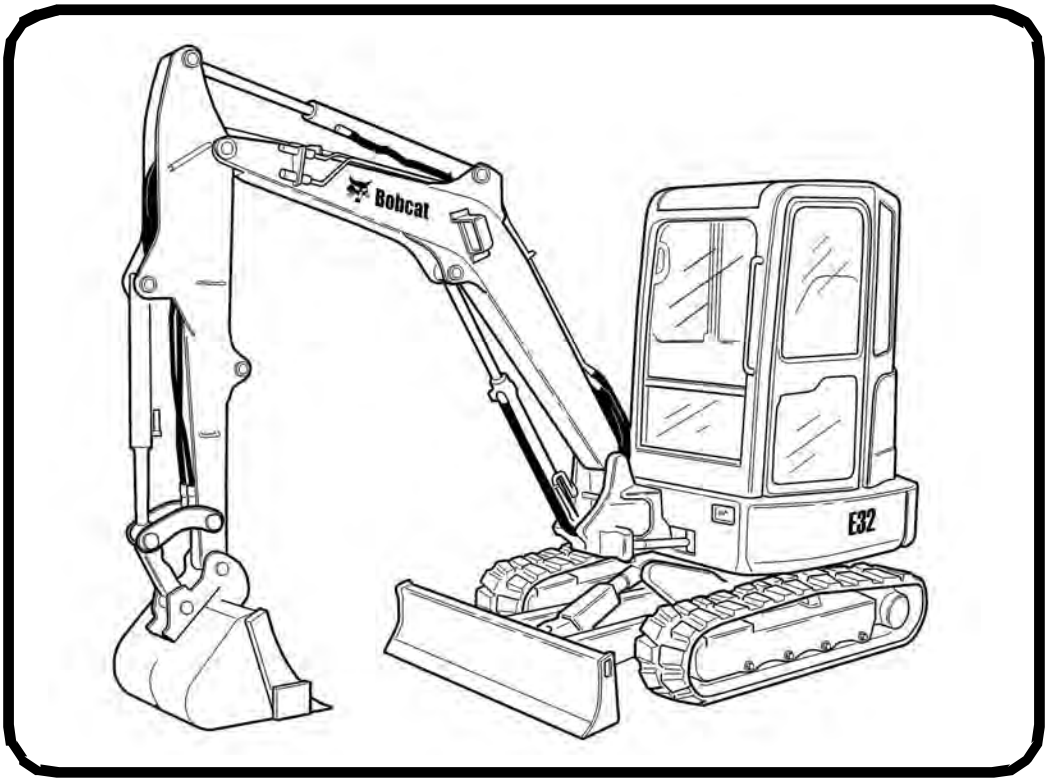
Operation & Maintenance Manual
E32 Compact Excavator

S/N A94H17000 & Above



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Printed in U.S.A.

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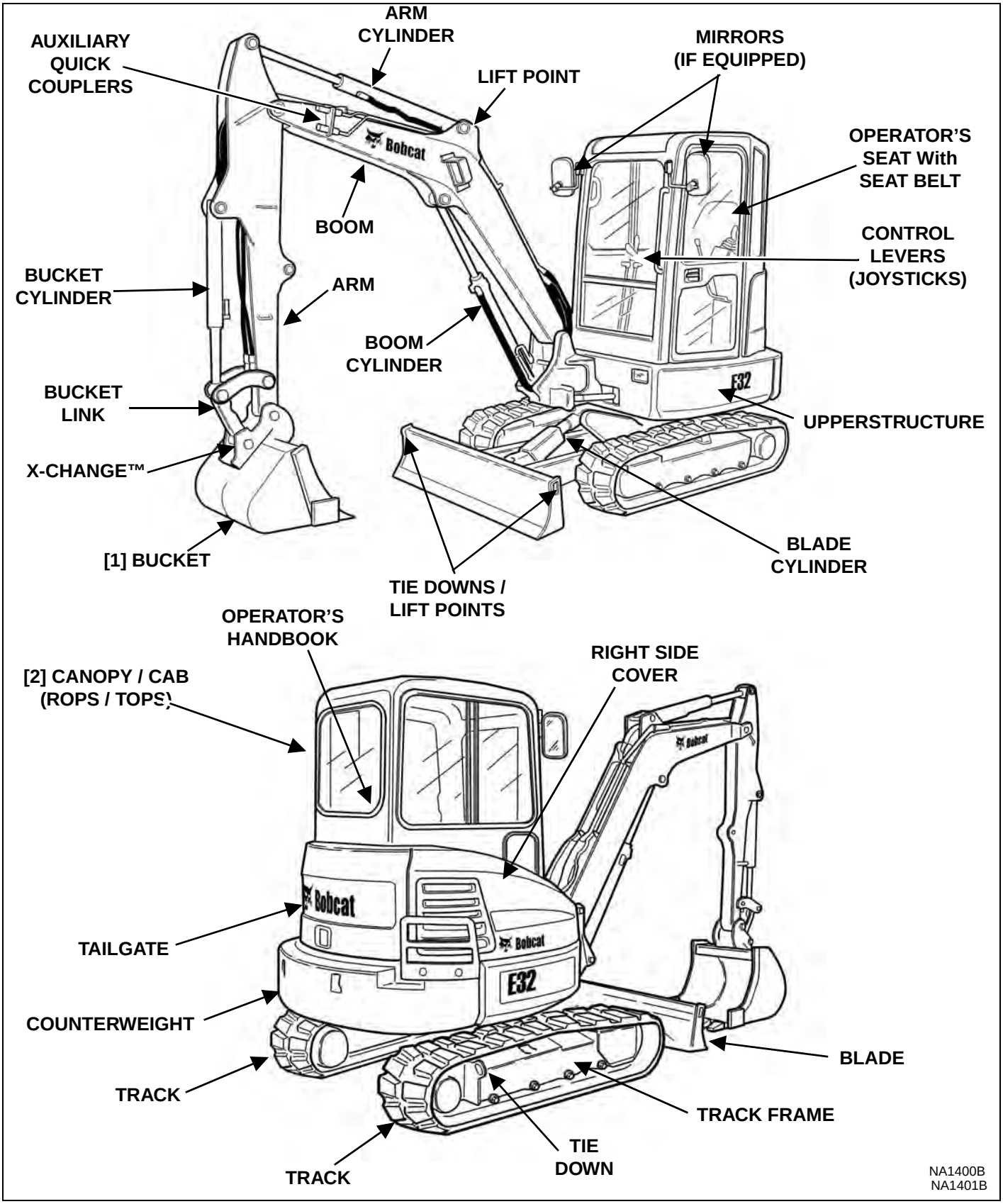


[1] BUCKET - Several different buckets and other attachments are available from the Bobcat excavator.

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

PUBLICATIONS AND TRAINING RESOURCES

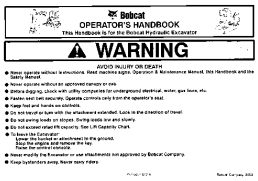
The following publications are also available for your Bobcat excavator. You can order them from your Bobcat dealer.

For the latest information on Bobcat products and the Bobcat Company, visit our Web site at **www.training.bobcat.com** or **www.bobcat.com**.

OPERATION & MAINTENANCE MANUAL

6990440enUS

Complete instructions on the correct operation and the routine maintenance of your Bobcat excavator.



OPERATOR'S HANDBOOK

6990434enUS

Gives basic operation instructions and safety warnings.

SAFETY MANUAL

6901951 (English and Spanish)

Gives basic safety procedures and warnings for your Bobcat excavator.

OPERATOR SAFETY DVD

6904762 (English and Spanish)

DVD gives basic safety instructions for many Bobcat products including excavators.

COMPACT EXCAVATOR OPERATOR TRAINING COURSE

7249283 (English)
7249286 (Spanish)

Introduces operator to step-by-step basics of skid-steer excavator operation.

EXCAVATOR SERVICE SAFETY TRAINING COURSE

6900916

Introduces service technicians to step-by-step basics of proper and safe skid-steer excavator maintenance and servicing procedures.

SERVICE MANUAL

6987272enUS

Complete maintenance instructions for your Bobcat excavator.

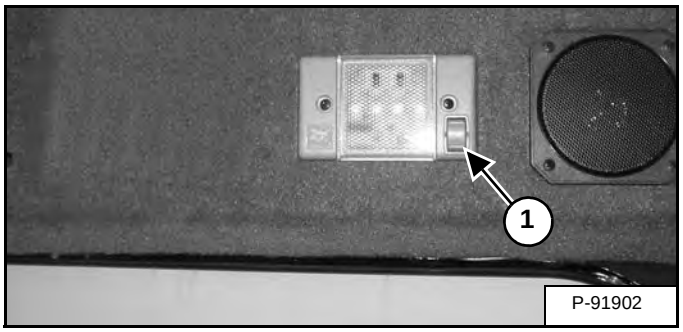
EXCAVATOR SAFETY VIDEO

(Mobile device with quick response code application required)

Scan the code above to watch the excavator safety video or view at **www.training.bobcat.com**.

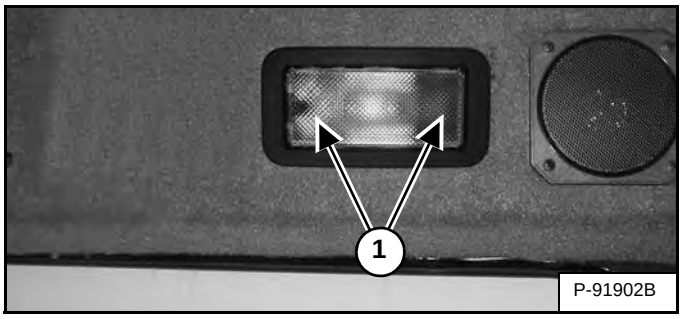
Cab Interior Lights

Figure 7



Early Models: Press the top of the switch (Item 1) **[Figure 7]** to turn the light ON. Press the bottom of the switch to turn OFF.

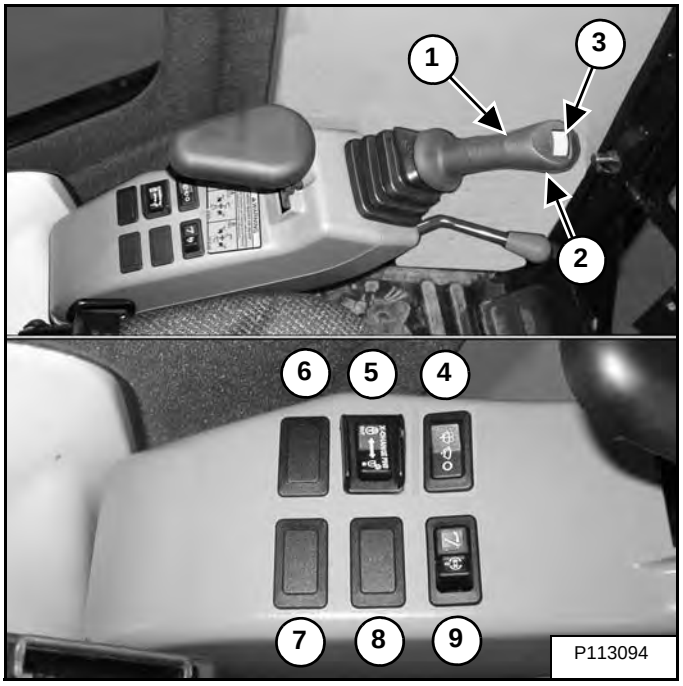
Figure 8



Later Models: Press either side of the lens (Item 1) **[Figure 8]** to turn the light ON. Return the LENS to the center position to turn OFF.

Left Console

Figure 9



Left Console **[Figure 9]**

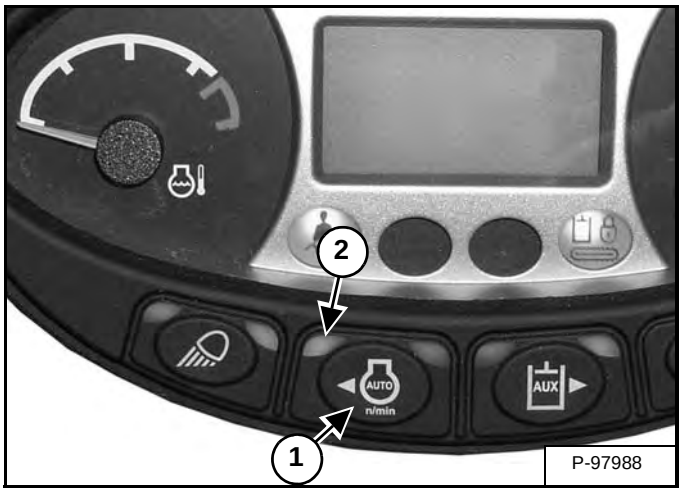
REF. NO.	DESCRIPTION	FUNCTION / OPERATION
1	Left Joystick	(See HYDRAULIC CONTROLS on Page 50.)
2	Horn	Press the switch on the bottom of the left joystick to sound horn.
3	Boom Swing Switch / Secondary Auxiliary Hydraulic (If Equipped)	Move the switch to the left to swing the boom to the left. Move the switch to the right to swing the boom to the right. (See Secondary Auxiliary Hydraulics and Boom Swing in this manual.)
4	Wiper / Washer Switch (If Equipped)	Press the switch to the left to turn wiper ON. Press and hold switch to the left to activate window washer. Press the switch to the right to turn wiper OFF.
5	Hydraulic X-Change Switch (If Equipped)	Press and hold the switch to the right to fully retract hydraulic pins. Press and hold the switch to the left to fully extend hydraulic pins.
	Pin Grabber Quick Coupler ON / OFF Switch (If Equipped)	Press switch to the left to turn the pin grabber quick coupler ON. Press the switch to the right to turn OFF.
6	Beacon / Strobe Light (If Equipped)	Press switch to the left to turn ON the beacon / Strobe light. Press the switch to the right to turn OFF.
7	Pin Grabber Quick Coupler INTENT Switch (If Equipped)	Press switch to the left to initiate the quick coupler install or remove mode. (See Installing And Removing The Attachment (Pin Grabber Quick Coupler) in this manual.)
8	Not Used	- - -
9	Boom Swing Switch / Secondary Auxiliary Hydraulic (If Equipped)	Move the switch to the right to activate the secondary auxiliary hydraulics. Move the switch to the left for boom swing function. (See Secondary Auxiliary Hydraulics and Boom Swing in this manual.)

Auto Idle Feature

The auto idle feature (when engaged) will reduce the engine speed to low idle when the control levers (joystick, blade, travel, etc.) are in neutral and not used for approximately four seconds. The engine rpm will return to the set position as soon as any control lever is activated.

Standard Panel

Figure 22



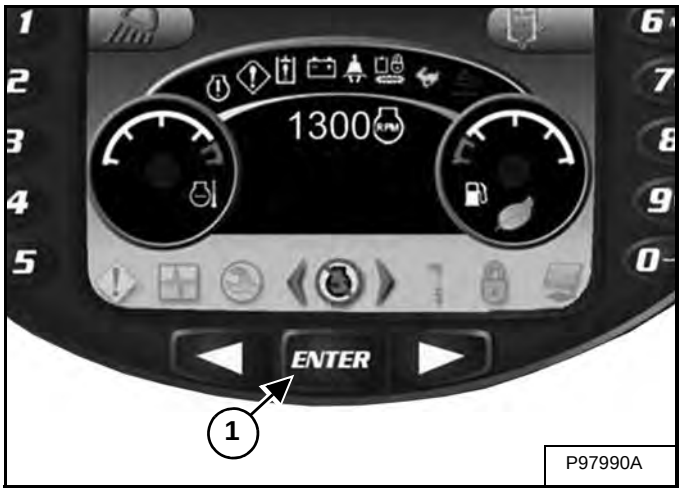
The automatic idle switch (Item 1) **[Figure 22]** is used to engage or disengage the automatic idle feature.

Press the switch (Item 1) once to engage automatic idle and the LED (Item 2) will illuminate. Press the switch (Item 1) a second time to disengage automatic idle, the LED (Item 2) **[Figure 22]** will be OFF.

NOTE: Always disengage the auto idle feature when loading or unloading the excavator onto a transport vehicle.

Deluxe Panel

Figure 23



Press ENTER (Item 1) once to engage automatic idle. Press ENTER (Item 1) **[Figure 23]** again and auto idle will be OFF.

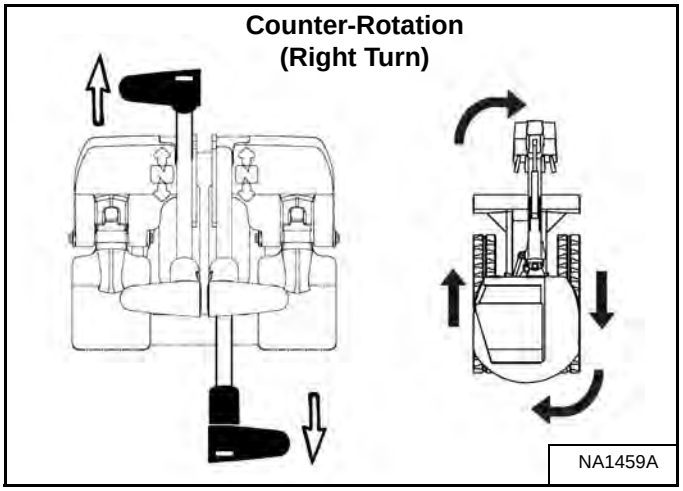
NOTE: Always disengage the auto idle feature when loading or unloading the excavator onto a transport vehicle.

NOTE: When equipped with the deluxe instrument panel, the time delay for auto idle to activate can be adjusted. (See Auto Idle Time Delay on Page 195.)

Turning (Cont'd)

Counter-Rotation Right Turn

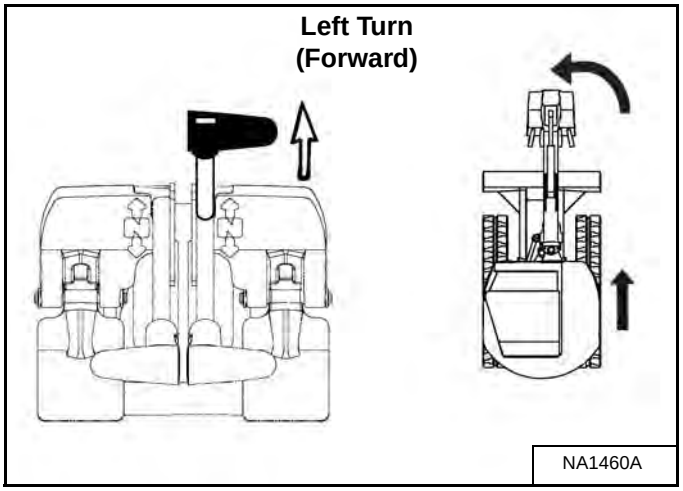
Figure 47



Push the left steering lever forward and pull the right steering lever backward **[Figure 47]**.

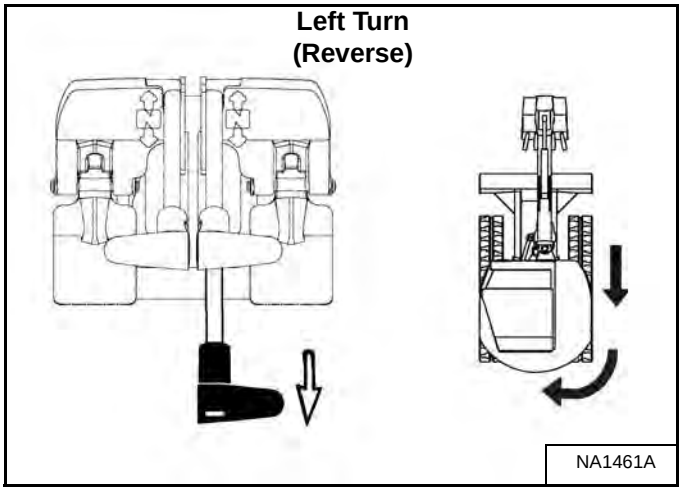
Left Turn

Figure 48



Push the right steering lever forward to turn left while traveling forward **[Figure 48]**.

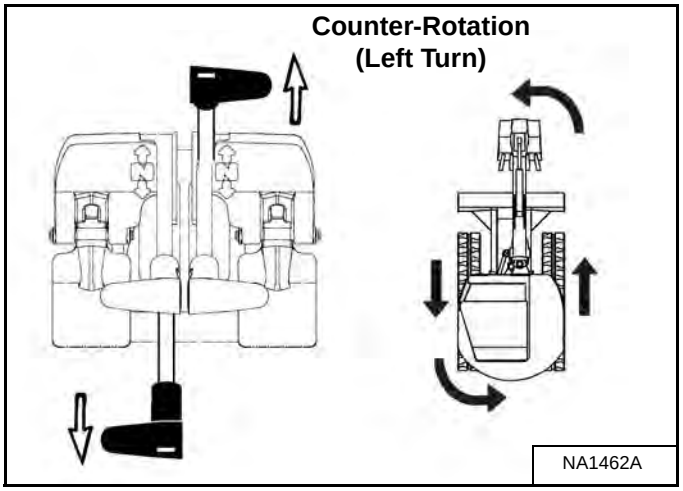
Figure 49



Pull the right steering lever backward to turn left while traveling backward **[Figure 49]**.

Counter-Rotation Left Turn

Figure 50

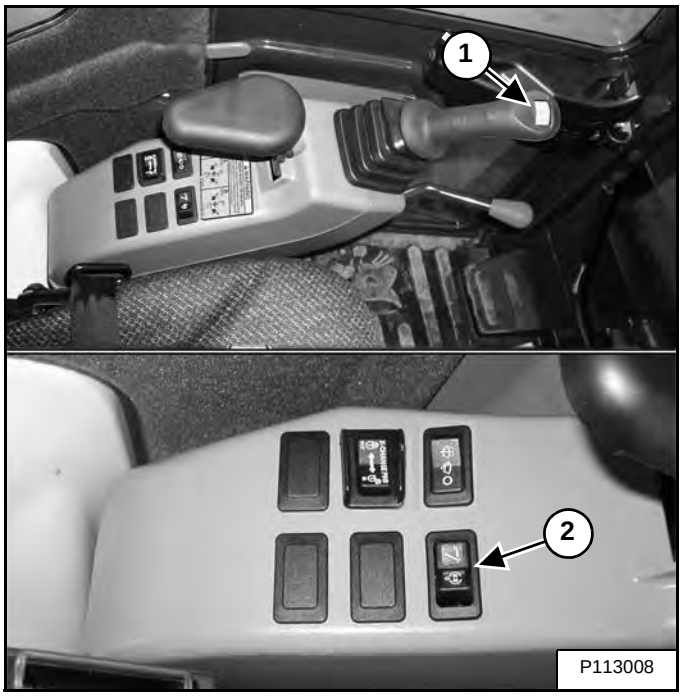


Push the right steering lever forward and pull the left steering lever backward **[Figure 50]**.

BOOM SWING

Operation

Figure 69



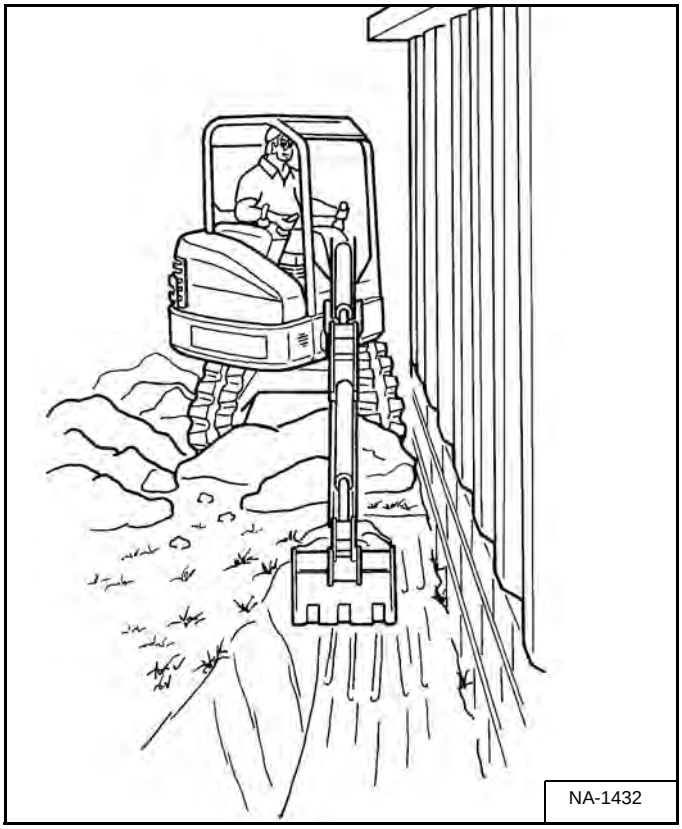
The switch (Item 1) **[Figure 69]** on the left control lever (joystick) controls boom swing. Move the switch to the left to swing the boom to the left. Move the switch to the right to swing the boom to the right.

If Equipped With Secondary Auxiliary Hydraulics:

If the machine is equipped with secondary auxiliary hydraulic couplers, the switch (Item 2) **[Figure 69]** is used to select either the boom swing function or the secondary auxiliary hydraulic function.

Move the switch (Item 2) **[Figure 69]** to the left to select boom swing function, move the switch to the right to select secondary auxiliary hydraulic function.

Figure 70



NOTE: The purpose of the boom swing is to offset the boom with respect to the upperstructure for digging close to a structure [Figure 70].

Keyless

WARNING

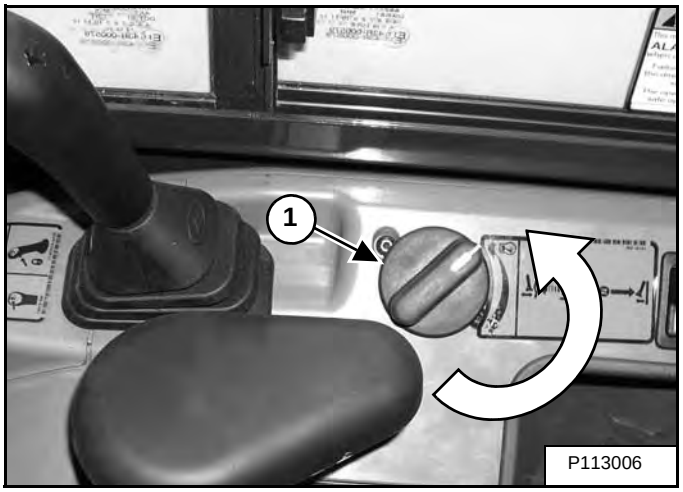
AVOID INJURY OR DEATH

- **Fasten seat belt, start and operate only from the operator's seat.**
- **Never wear loose clothing when working near machine.**

W-2135-1108

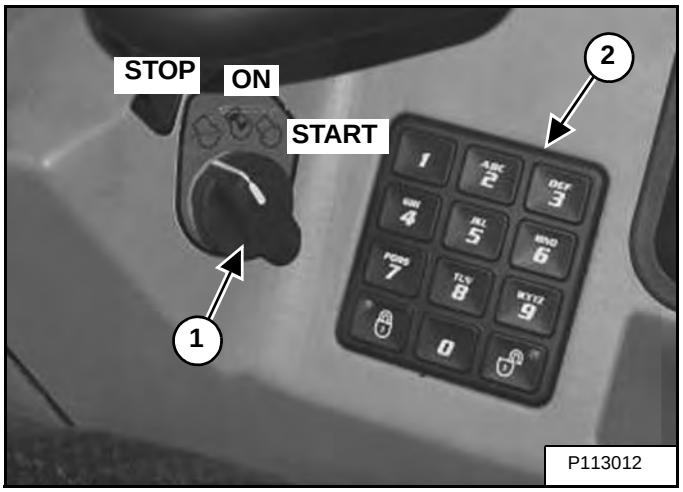
Perform the PRE-STARTING PROCEDURE. (See PRE-STARTING PROCEDURE on Page 65.)

Figure 89



Rotate the engine speed control dial (Item 1) **[Figure 89]** to low idle.

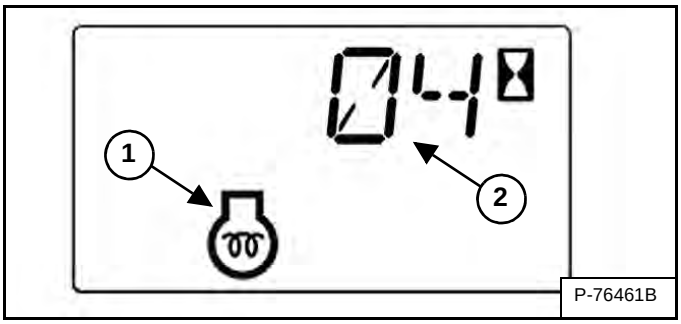
Figure 90



Turn the start switch (Item 1) **[Figure 90]** to ON. The indicator lights on the instrument panel will come ON briefly and the Instrument Panel / monitoring system will do a self test.

Use the keypad (Item 2) **[Figure 90]** to enter the password.

Figure 91



If preheating is required, the glow plugs will automatically cycle based on temperature. The engine preheat icon (Item 1) will be ON and the cycle time remaining (Item 2) **[Figure 91]** will be shown on the data display.

When the engine preheat icon goes OFF, turn the start switch (Item 1) **[Figure 90]** to START position and hold it until the engine starts. Release the switch and it will return to the ON position.

IMPORTANT

Do not engage the starter for longer than 15 seconds at a time. Longer use can damage the starter by overheating. Allow starter to cool for one minute before using starter again.

I-2034-0700

Turn the start switch (Item 1) **[Figure 90]** to the STOP position to stop the engine.

Stop the engine if the warning lights and alarm do not go OFF.

Check for the cause before starting the engine again.

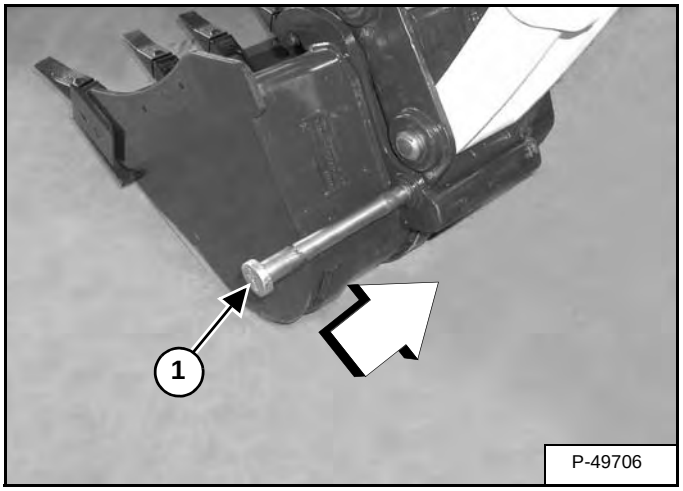
Password Lockout Feature

See Password Lockout Feature. (See Password Lockout Feature on Page 199.)

Installing And Removing The Attachment (Pin-On X-Change) (Cont'd)

Installation (Cont'd)

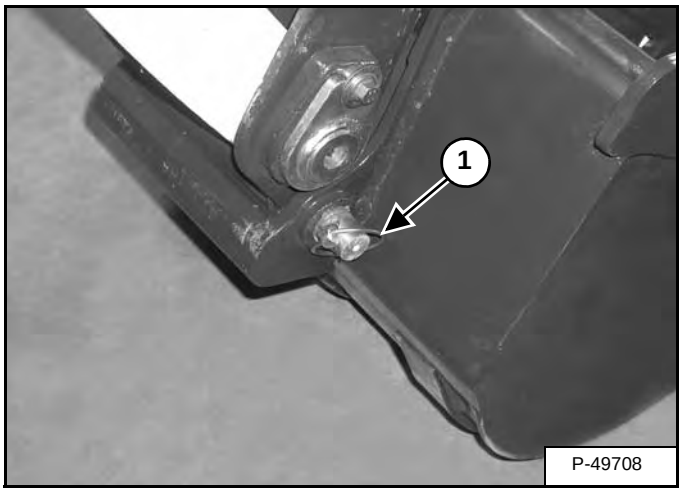
Figure 114



Stop the engine. Turn the start key to the ON position and move both hydraulic control levers to relieve hydraulic pressure.

Drive the pin (Item 1) **[Figure 114]** through the bucket mount and X-Change.

Figure 115



Install the retainer pin (Item 1) **[Figure 115]**.

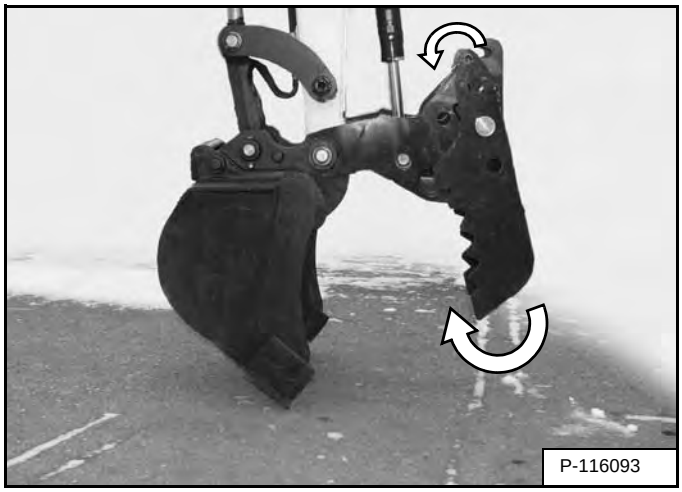
Check for proper installation.

Lift the attachment and fully extend and retract the bucket cylinder.

Installing And Removing The Pro Clamp System Tool (Cont'd)

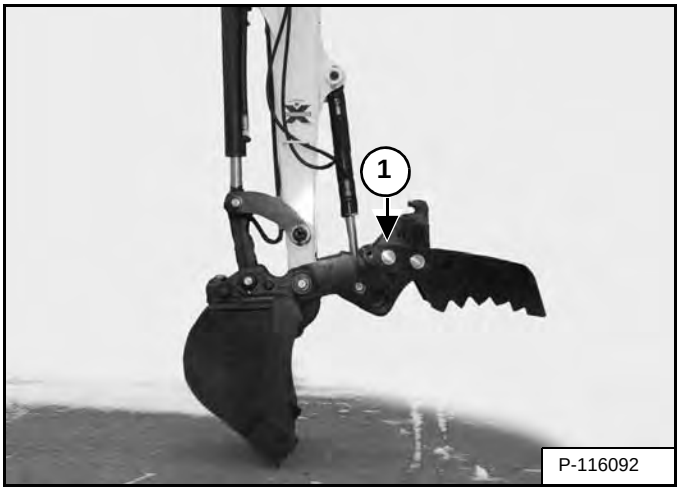
Installation (Cont'd)

Figure 133



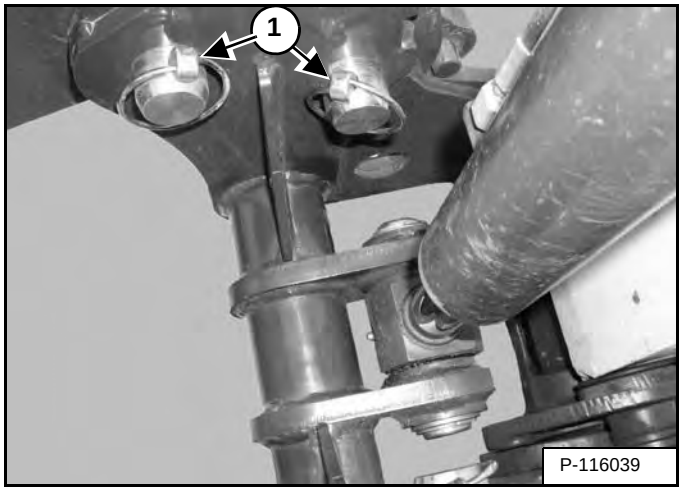
Rotate the clamp tool to the desired angle, aligning the other mounting holes **[Figure 133]**.

Figure 134



Install the pins (Item 1) **[Figure 134]**.

Figure 135



Install the retaining pins (Item 1) **[Figure 135]**.

Note: Always install ALL of the mounting pins and the retaining pins.

IMPORTANT

Always install all of the mounting pins and retainer pins. Failure to do so will cause structural damage.

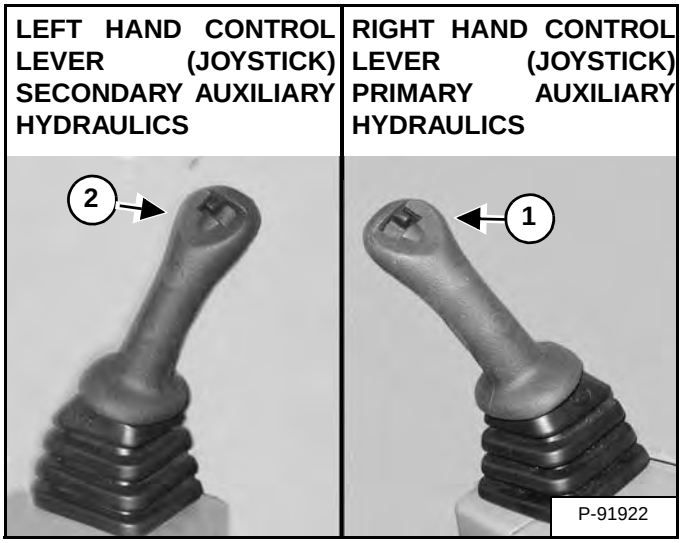
I-2380-0314

Using The Pro Clamp System (If Equipped)

The lift capacities of the excavator will be reduced by 77 kg (170 lb) with the Pro Clamp system installed. (See Capacities on Page 248.)

Engage the auxiliary hydraulics and toggle to the Aux2 setting. (See Auxiliary Hydraulics - Standard Instrument Panel on Page 53.) or (See Auxiliary Hydraulics - Deluxe Instrument Panel on Page 54.)

Figure 151



Move the switch (Item 1) **[Figure 151]** on the right control lever to the right to open the clamp. Move the switch to the left to close the clamp.

Using Secondary Auxiliary Hydraulics To Activate Clamp

Move the switch (Item 2) **[Figure 151]** on the left control lever to the left open the clamp. Move the switch to the right to close the clamp.

Before connecting and disconnecting auxiliary hydraulic quick couplers, relieve hydraulic pressure. (See Relieve Hydraulic Pressure With Standard Instrument Panel (Excavator And Attachment) on Page 55.), (See Relieve Hydraulic Pressure With Deluxe Instrument Panel (Excavator And Attachment) on Page 55.) or (See Relieve Secondary Auxiliary Hydraulic Pressure (Excavator And Attachment) on Page 56.)

For installing and removing the Pro Clamp system tools, (See Installing And Removing The Pro Clamp System Tool on Page 84.)

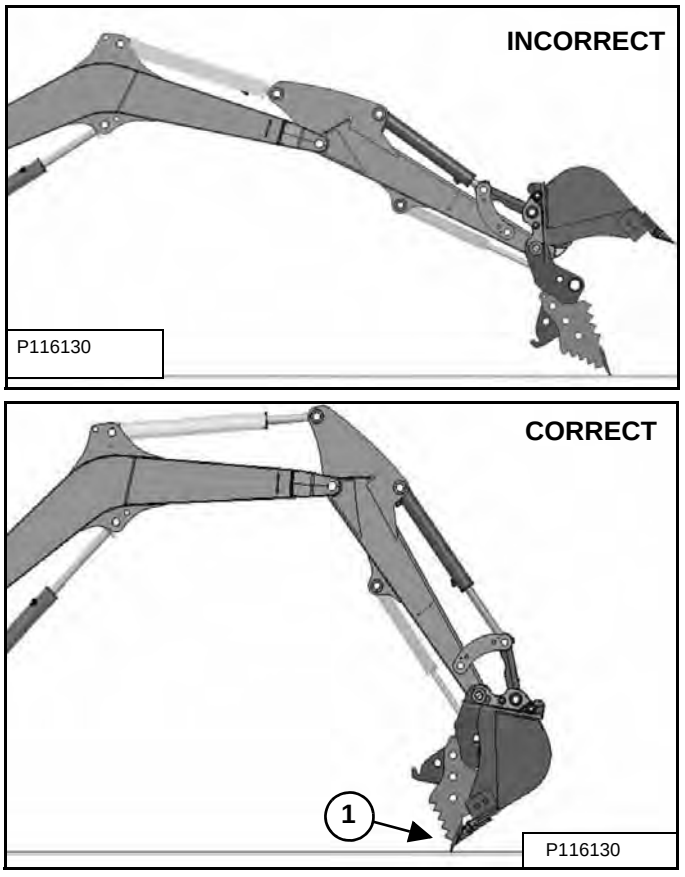
Operating With The Grading Tool

IMPORTANT

When using the Pro Clamp with the Grading Tool, the Grading Tool must not be used with the cylinder fully extended and unsupported. It is necessary to support the Grading Tool with the bucket to avoid damaging the clamp cylinder.

I-2381-0314

Figure 152



When using the Pro Clamp with the Grading Tool, the Grading Tool must not be used with the cylinder fully extended and unsupported. It is necessary to support the Grading Tool with the bucket to avoid damaging the clamp cylinder. Position the bucket to the clamp grading tool as shown **[Figure 152]**.

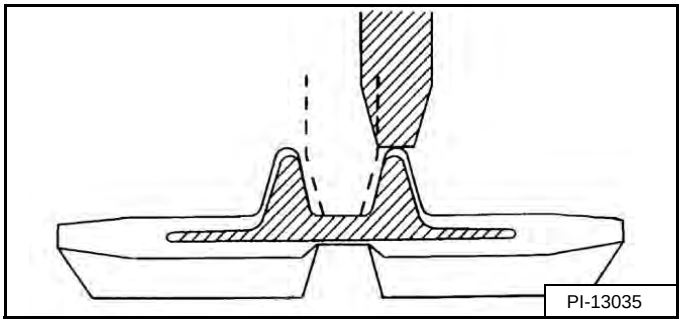
NOTE: The clamp grading tool plate (Item 1) [Figure 152] must be in contact with the bucket or bucket teeth when using the tool for grading.

Avoiding Track Damage

Mud and water should be removed from the machine before parking. In freezing temperatures, park the machine on boards or concrete to prevent the track or undercarriage from freezing to the ground and preventing machine movement.

Some cause of track damage:

Figure 178

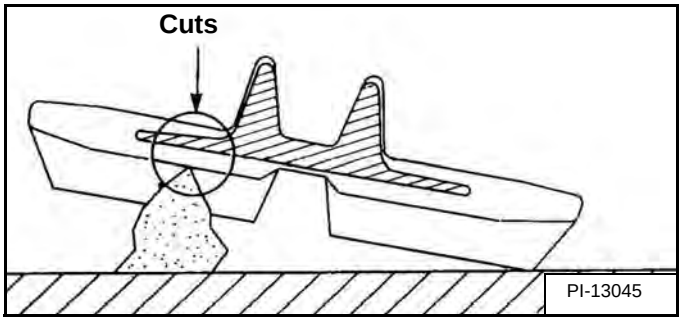


Incorrect track tension: When the rubber track is detracting, the idler or sprocket rides on the projections of the embedded metal **[Figure 178]** causing the embedded metal to be exposed to corrosion. (See TRACK TENSION on Page 172.)

If rubber track is clogged with stones or foreign objects, these can get wedged between the sprocket / rollers and cause detracting and track stress.

When moisture invades through cuts on the track, the embedded steel cords will corrode. The deterioration of the design strength may lead to the breaking of the steel cords.

Figure 179

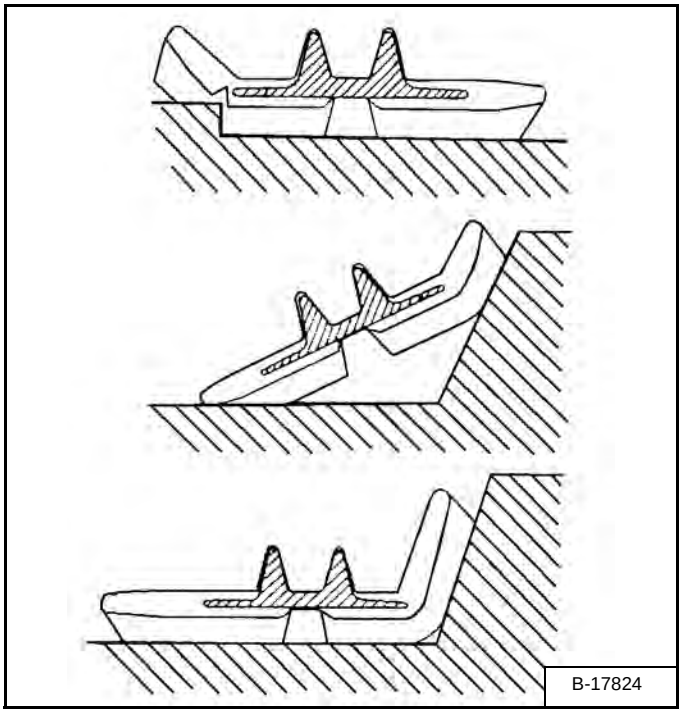


When rubber tracks drive over projections or sharp objects in the field, the concentrated forces applied cause cuts on the lug side rubber surface **[Figure 179]**. In case of making turns on projections, the lug side rubber surface will have an even higher chance to be cut. If the cuts run through the embedded steel cords, it might result in the steel cords' breakage due to their corrosion.

Avoid quick turns on bumpy and rocky fields.

Driving over sharp objects should be avoided. If this is impossible, do not make turns while driving over sharp objects.

Figure 180



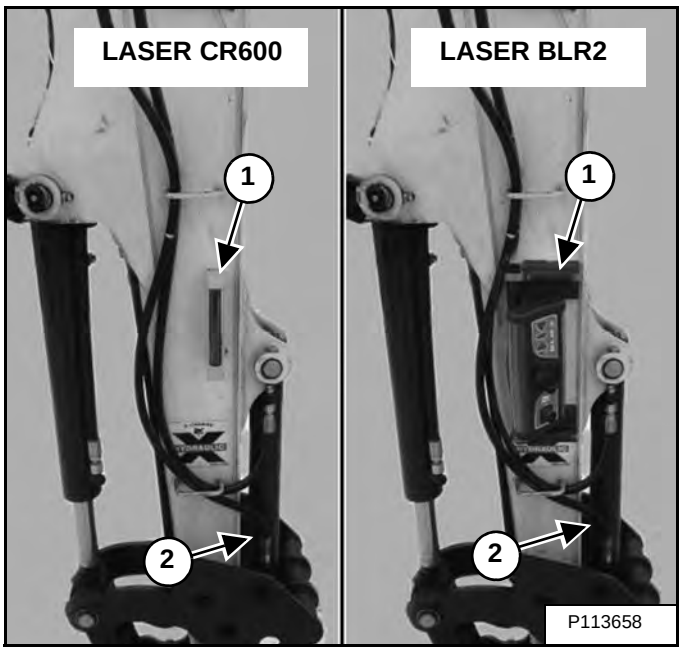
When rubber tracks drive over sharp projections, intensive stress is applied to the lug side rubber surface, especially at the edges of embedded metals, causing cracks and cuts in the area around the embedded metals **[Figure 180]**.

Avoid extensive stress applied to the lug root where metals are embedded. Operators should try to avoid driving over stumps and ridges.

Setup / Calibration (Cont'd)

If Using A Laser With Depth Check

Figure 206



FOR model E32 with the standard arm ONLY; If using either of the laser receivers (Item 1) on machines that have the standard arm and a hydraulic clamp installed, you will need to check the length of the hydraulic clamp rod end hose (Item 2) **[Figure 206]** to make sure the existing hose does not interfere with the laser.

Measure the length of the hose (Item 2) **[Figure 206]**.

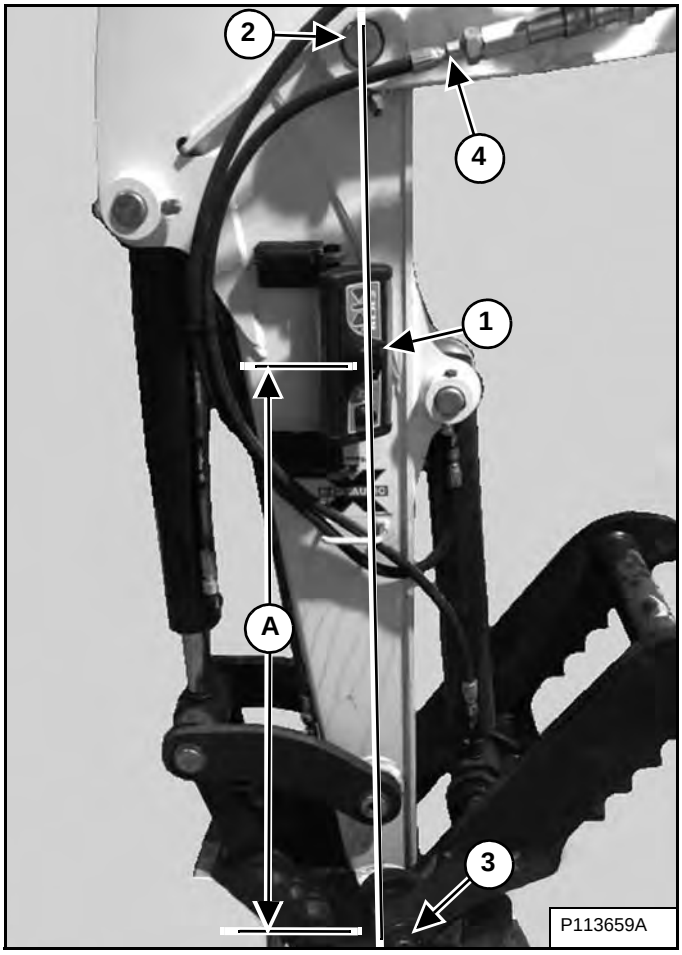
Measure the hose from the rod end of the clamp cylinder (Item 2) **[Figure 206]** to the end of the hose at the coupler (Item 4) **[Figure 207]**

The hose length must be 1245 mm (49.0 in) or a new hose (P/N 7250478) must be ordered and installed.

If the hose is incorrect, it may interfere with the laser when the hydraulic clamp is operated and possibly knock the laser receiver off of the arm. OR, the laser can be mounted on the opposite side of the arm, then the hose will not interfere with the laser.

NOTE: For excavator equipped with a clamp, (or other options or configurations added to the arm that may interfere with the laser), make sure there is no hose to laser interference. Fully curl the arm and bucket and make sure the hoses do not interfere with the laser receiver during any arm and bucket movement. Adjust the position of the laser receiver if necessary to avoid any contact with the hoses.

Figure 207



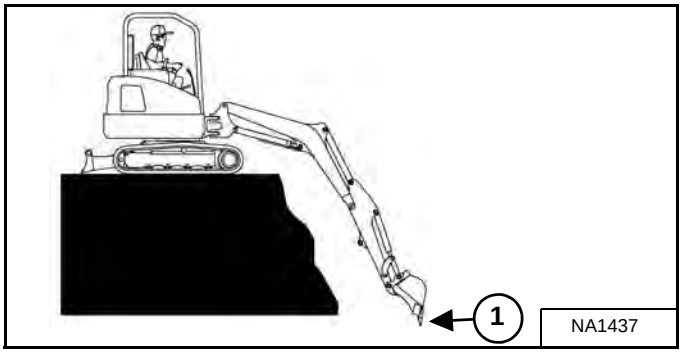
For both standard and long arm models; When installing the laser receiver (Item 1), it should be installed as close as possible in line with the arm pin (Item 2) and the bucket pivot pin (Item 3) **[Figure 207]**.

Position the laser (Item 1) approximately as shown. The dimension (Item A) will need to be added to the display screen. Measure from the center of the bucket pin (Item 3) up to the center of the laser receiver (Item 1) **[Figure 207]**

Operation (Cont'd)

Digging A Hole To A Predetermined Depth (Rebenching without a laser reference) (Cont'd)

Figure 236



As the hole is being dug, the position of the bucket (Item 1) **[Figure 236]** is dimensionally shown (Item 1A) **[Figure 234]** and shown on the bar graph at (Item 1B) **[Figure 234]**. The distance to target depth is dimensionally shown in (Item 2) **[Figure 234]** and shown on the bar graph (Item 2A) **[Figure 234]**.

When the bucket is getting close to the target depth, a warning buzzer (if activated) will start to slowly beep. The beeps will increase in frequency the closer the bucket gets to the target depth. When the target depth is reached, the buzzer will sound continuously.

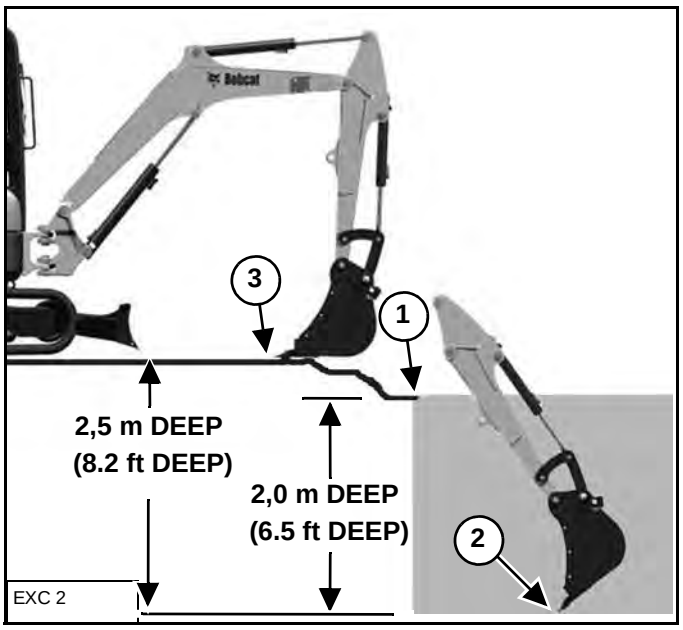
EXAMPLE: The target depth is 2 meters (6.5 ft) (Item 6A) and the position of the bucket (Item 1A) is at 1.5 meter (4.9 ft), the distance to target (Item 2) **[Figure 234]** will be 0.5 m (1.6 ft). [2 m - 1.5 m = 0.5 m (6.5 ft - 4.9 ft = 1.6 ft).]

NOTE:

The distance from the target depth to when the when the alarm starts to beep can be set using the *Warning Zone* information. (See Warning Zone on Page 124.).

To reposition the excavator to continue digging the hole at the original depth;

Figure 237



If possible, reposition the excavator so the bucket can be re-benched off of the original starting point (Item 1) **[Figure 237]**.

Or, If that is not possible, position the excavator so the bucket will reach to the bottom of the hole (Item 2) **[Figure 237]** at an area that is know to be the correct depth. (When re-benched at the bottom of the trench, set the target depth to zero to continue digging at the original depth.)

Or, With the bucket on the ground next to the excavator (Item 3) **[Figure 237]**, re-bench the bucket to zero. Now reach into the existing hole until the bucket is touching the bottom of the hole (Item 2) **[Figure 237]** in an area you know is the correct depth. Example: The dimension shown in (Item 1A) **[Figure 234]** is now 2.5 m (8.2 ft). You now need to reset the target depth to 2.5 m (8.2 ft) to continue digging the hole at the original target depth.

Or, If you want to just continue digging with the hole parallel to the ground, no re-benching is necessary but the hole will not be horizontal, it will be at the same plane as the ground surface the machine is on.

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

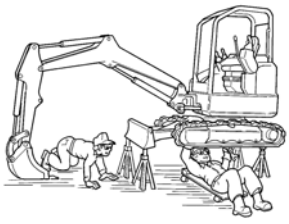
Safety Alert Symbol: This symbol with a warning statement, means: "Warning, be alert! Your safety is involved!" Carefully read the message that follows.

CORRECT

P-90216

Never service the Bobcat Compact Excavator without instructions.

CORRECT



NA1428

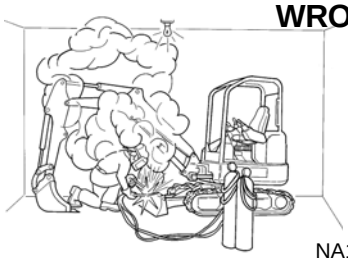
Use the correct procedure to lift and support the excavator.

CORRECT

NA1425

Cleaning and maintenance are required daily.

WRONG



NA1427

Have good ventilation when welding or grinding painted parts.

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

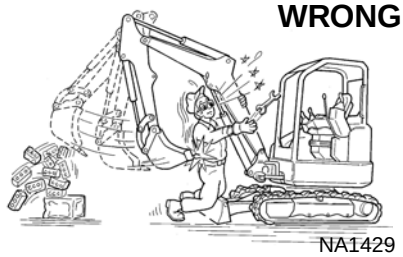
WRONG

NA1426

Vent exhaust to outside when engine must be run for service.

Exhaust system must be tightly sealed. Exhaust fumes can kill without warning.

WRONG

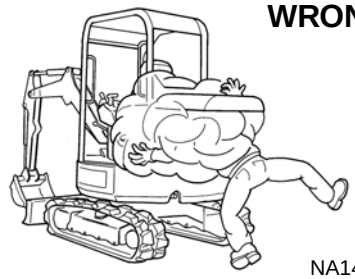


NA1429

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

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

WRONG



NA1430

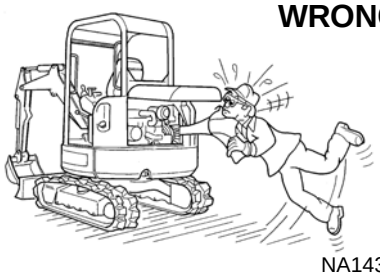
Stop, cool and clean engine of flammable materials before checking fluids.

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.

WRONG



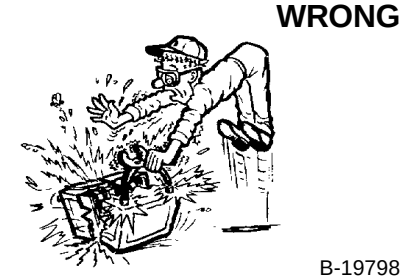
NA1431

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.

WRONG



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.

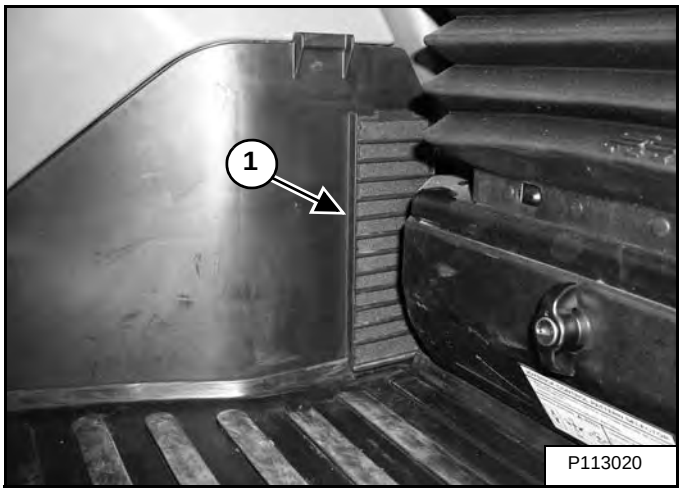
Maintenance procedures which are given in the Operation & Maintenance Manual can be performed by the owner/operator without any specific technical training. Maintenance procedures which are **not** in the Operation & Maintenance Manual must be performed **ONLY BY QUALIFIED BOBCAT SERVICE PERSONNEL. Always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

MSW38-0409

CAB FILTERS

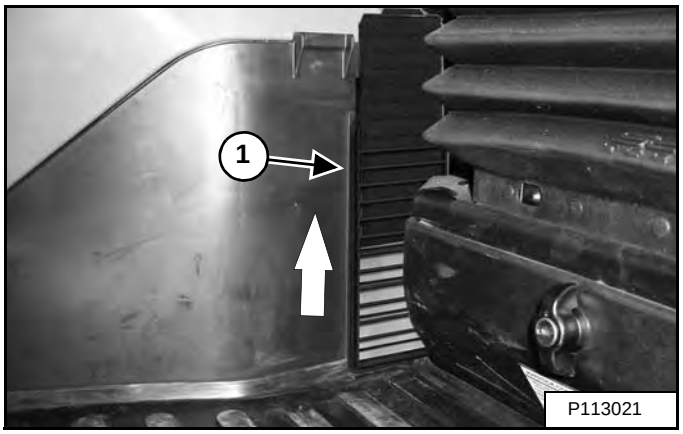
Recirculation Filter

Figure 259



The recirculation filter (Item 1) **[Figure 259]** is located to the right of the operator's seat.

Figure 260



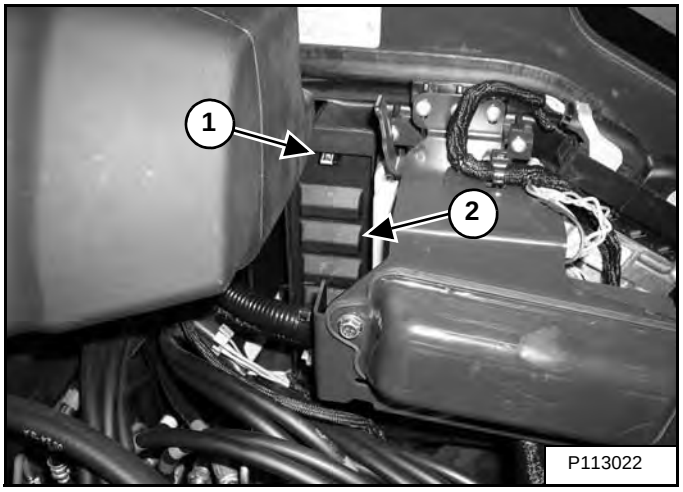
Pull up on the filter (Item 1) **[Figure 260]** until removed from the housing.

Shake the filter or use low pressure air to clean the filter. Replace the filter when very dirty or if damaged.

Installation: Position the bottom of the filter (Item 1) **[Figure 260]** into the housing and slowly push the filter down fully.

Fresh Air Filter

Figure 261

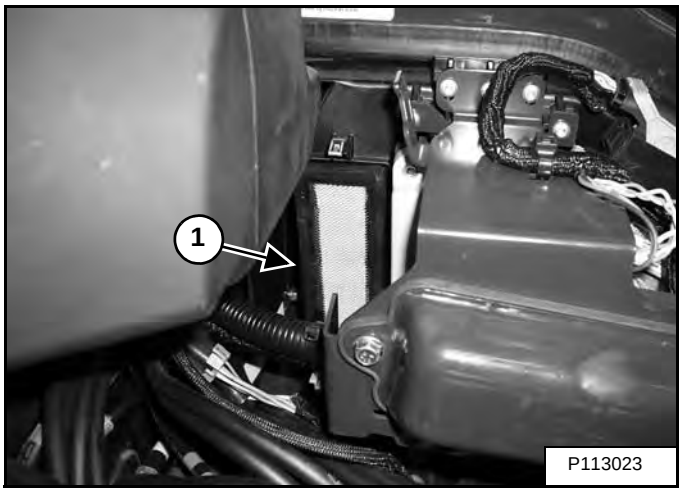


The fresh air filter is located under the right side cover.

Open the right side cover. (See RIGHT SIDE COVER on Page 148.)

Pull out on the tab (Item 1) and remove the cover (Item 2) **[Figure 261]**.

Figure 262



Pull the filter (Item 1) **[Figure 262]** out of the housing.

Shake the filter or use low pressure air to clean the filter. Do not use solvents. Replace the filter when very dirty or damaged.

Installation: Position the filter (Item 1) **[Figure 260]** into the housing and slowly push the filter in fully.

Place the bottom tabs of the filter cover (Item 2) into the frame and push the top in until the tab (Item 1) **[Figure 261]** locks to the frame.

ENGINE COOLING SYSTEM

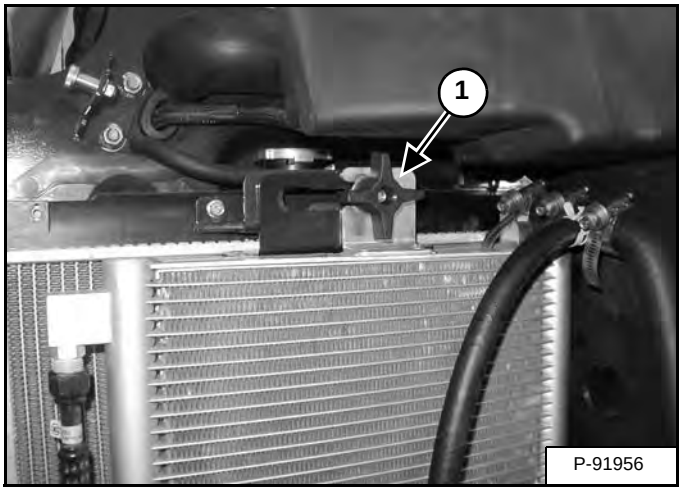
Check the cooling system every day to prevent over-heating, loss of performance or engine damage. (See SERVICE SCHEDULE on Page 141.)

Cleaning

Open the right side cover. (See RIGHT SIDE COVER on Page 148.)

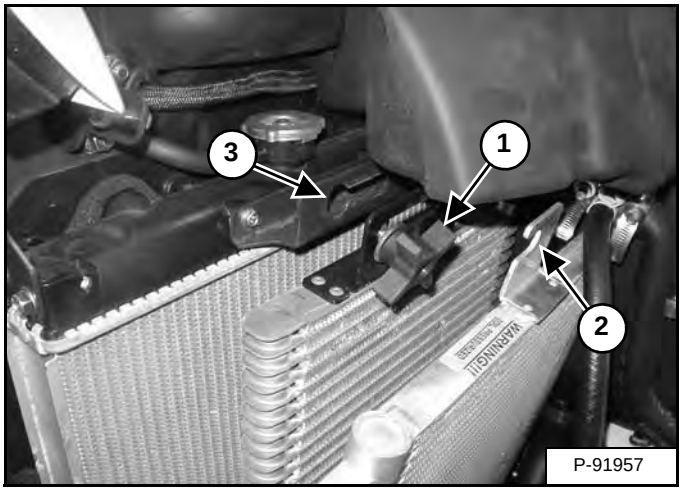
NOTE: Allow the cooling system and engine to cool before servicing or cleaning the cooling system.

Figure 281



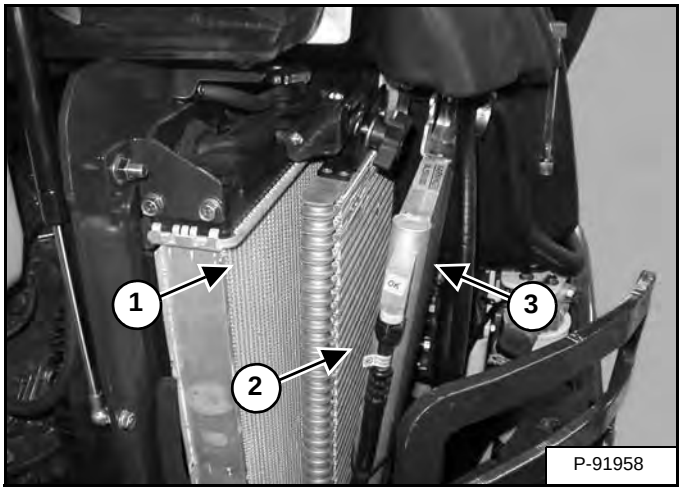
Loosen the knob (Item 1) **[Figure 281]**. Slide the know towards the rear of the machine.

Figure 282



Slide the knob (Item 1) out of the condenser mount (Item 2) (if equipped) and the radiator mounting bracket (Item 3) **[Figure 282]**. Be careful not to damage fins.

Figure 283



Use air pressure or water pressure to clean the radiator (Item 1), oil cooler (Item 2) and condenser (Item 3) **[Figure 283]** (if equipped). Be careful not to damage fins when cleaning.

Position the knob (Item 1) so it fits into the radiator mount (Item 3) and the condenser mount (Item 2) **[Figure 282]** (if equipped).

Slide the knob (Item 1) toward the front of the machine until it is fully seated in the slots of the mounting brackets. Tighten the knob (Item 1) **[Figure 281]**. Be careful not to damage fins.

Removing And Replacing The Hydraulic Filters (Cont'd)

Case Drain Filter

⚠ WARNING

AVOID INJURY OR DEATH

Always clean up spilled fuel or oil. Keep heat, flames, sparks or lighted tobacco away from fuel and oil. Failure to use care around combustibles can cause explosion or fire.

W-2103-0508

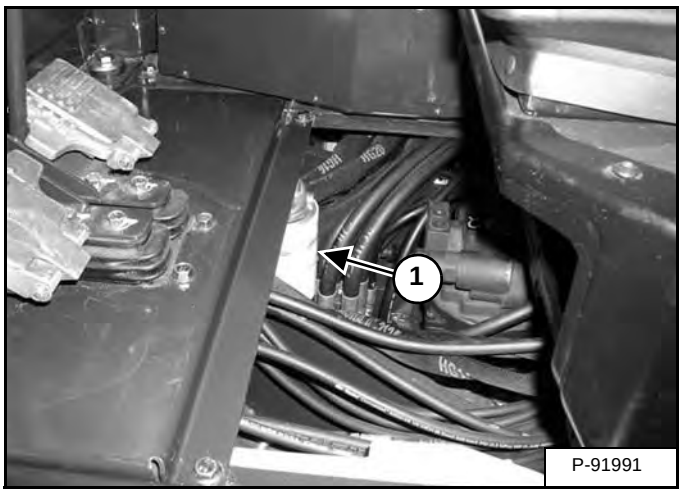
See the SERVICE SCHEDULE for the correct service interval. (See SERVICE SCHEDULE on Page 141.)

The case drain filter is located below the floorplate.

Remove the floor mat.

Remove the floorplate.

Figure 299



Remove the case drain filter (Item 1) **[Figure 299]**.

Clean the housing where the filter gasket makes contact.

Put clean hydraulic fluid on the gasket. Install the new filter and hand tighten only.

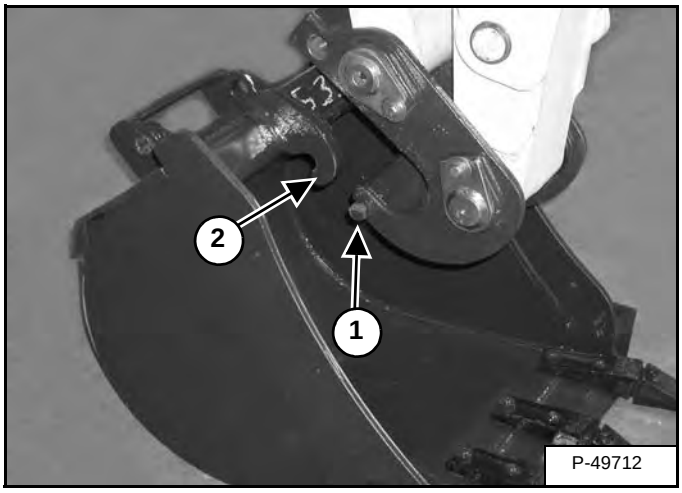
NOTE: When changing the case drain filter, also lubricate the boom swing cylinder base end fitting while the floorplate is removed. (See SERVICE SCHEDULE on Page 141.) and (See LUBRICATION OF THE HYDRAULIC EXCAVATOR on Page 181.)

QUICK COUPLER

X-CHANGE

Inspection And Maintenance

Figure 324



Inspect the X-Change for wear or damage. Inspect the X-Change pins (Item 1) and hooks (Item 2) **[Figure 324]** (on the attachment) for wear or damage.

Repair or replace damaged parts.

TRACK ROLLER AND IDLER LUBRICATION

Procedure

The track rollers and idlers require no maintenance. The bearings are a sealed design.

DIAGNOSTIC SERVICE CODES

Viewing Service Codes

The Service Codes will aid your dealer in diagnosing conditions that can damage your machine.

Standard Instrument Panel

Figure 336

Press the Information button (Item 2) to cycle the data display (Item 1) **[Figure 336]** until the service code screen is displayed. If more than one service code is present, the codes will scroll on the data display.

When no service code is present, **[NONE]** is displayed **[Figure 336]**.

NOTE: Corroded or loose grounds can cause multiple service codes and / or abnormal symptoms. All instrument panel lights flashing, alarm sounding, headlights and taillights flashing, can indicate a bad ground. The same symptoms can apply if the voltage is low, such as loose or corroded battery cables. If you observe these symptoms, check grounds and positive leads first.

Deluxe Instrument Panel

The last 40 codes stored in history can also be viewed using the Deluxe Instrument Panel.

	Press a scroll button (Item 1) repeatedly until the Active Warnings screen icon (Inset) is highlighted.
	The ACTIVE WARNINGS screen displays active service codes. Press **[9]** to view the next service code if more than one is present. Press **[4]** to display a history of service codes.
	The WARNINGS HISTORY screen will list the Service Code Number **(CODE)**, Hourmeter reading when the error occurred **(HOUR)**, and the User **(USER)** who was logged in to operate the machine when the error occurred.
Press **[9]** to view the next eight service codes. A total of 40 codes can be stored. When more than 40 codes occur, the oldest code will disappear and the newest code will be in the number 1 position.	
	Press the list number next to the service code for more detail. Press the left scroll button to back up one screen.

PASSWORD SETUP (KEYLESS START PANEL) (CONT'D)

Password Description

Master Password:

A permanent, randomly selected password set at the factory that cannot be changed. This password is used for service by the Bobcat dealer if the owner password is not known or to change the owner password.

Owner Password:

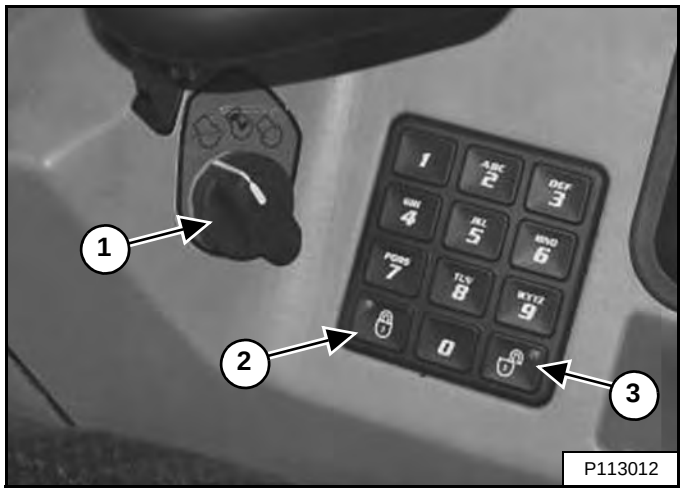
Allows for full use of the excavator. Must be used to change the owner password.

Changing The Owner Password

Turn the start switch (Item 1) **[Figure 338]** to the ON position to turn on the excavators electrical system.

Enter the five digit owner password using the number keys (1 through 0) if locked.

Figure 338



Press and hold the lock (Item 2) and unlock (Item 3) **[Figure 338]** keys for 2 seconds.

The lock key red light will flash and the instrument panel display screen will show **[ENTER]**.

Enter a new five digit owner password using the number keys (1 through 0). An asterisk will show in the left panel display screen for each key press.

The instrument panel display screen will show **[AGAIN]**.

Enter the new five digit owner password again.

The lock key red light will become solid.

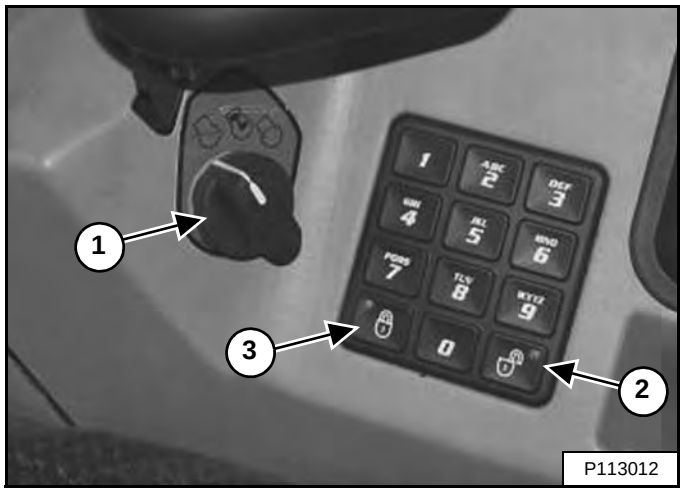
Password Lockout Feature

This feature allows the owner to unlock the password feature so that a password does not need to be used every time the engine is started.

Turn the start switch (Item 1) **[Figure 339]** to the ON position to turn on the excavators electrical system.

Enter the five digit owner password using the number keys (1 through 0).

Figure 339



Press the unlock key (Item 2) **[Figure 339]**.

The left panel display screen will show **[CODE]**.

Enter the five digit owner password using the number keys (1 through 0). The unlock key green light will flash, then become solid.

The excavator can now be started without using a password.

NOTE: Use the following procedure to reset the machine lock so that the excavator requires a password to start the engine.

Turn the start switch to the ON position to turn on the excavators electrical system.

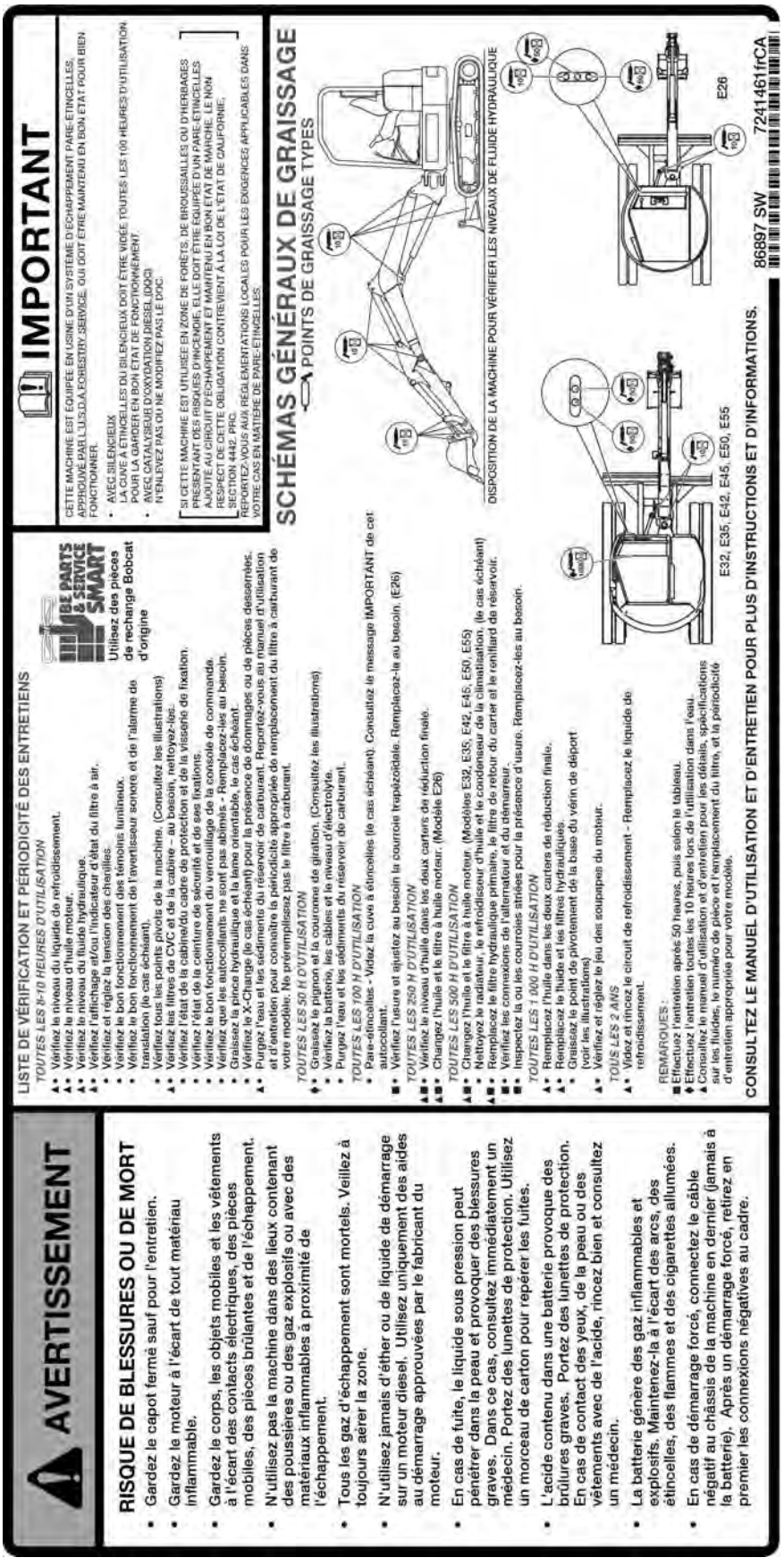
Press the lock key (Item 3) **[Figure 339]**.

The lock key red light will flash and the left panel display screen will show **[CODE]**.

Enter the five digit owner password using the number keys (1 through 0). The unlock key green light will flash, then the lock key red light will become solid.

You must now enter the password every time to start the excavator.

Service Schedule (7241461) (Cont'd)



Lift Chart (7174899) With Long Arm (Cont'd)

AVERTISSEMENT

TOUTE SURCHARGE PEUT ENTRAÎNER LE RENVERSEMENT DE L'EXCAVATRICE ET PROVOQUER DES BLESSURES GRAVES, VOIRE MORTELLES

- Ne jamais lever ni porter de charges qui dépassent ces capacités au rayon et à la hauteur spécifiés.
- La charge nominale totale est indiquée. Le poids des équipements de levage doit être déduit pour calculer la charge nette de levage possible.

Lorsqu'il y a lieu, les spécifications sont conformes aux normes ISO.
Les spécifications sont sujettes à modifications sans préavis.
Le point de levage est le point d'articulation du godet, le godet standard attaché et le vérin du godet en pleine extension.

EXCAVATRICE MODÈLE E32 - BALANCIER LONG

PRESSION DES CIRCUITS
EN EFFORT 245 bars (3 350 lb/po²)
EN MAINTIEN 290 bars (4 200 lb/po²)

LONGUEUR DE FLÈCHE 2 450 mm (96,5 po)
LONGUEUR DE BALANCIER 1 625 mm (64,0 po)
GODET STANDARD 610 mm (24,0 po)
101 kg (224 lb)

HAUTEUR DU POINT DE LEVAGE	CAPACITÉ DE LEVAGE EXTRÉMITÉ LAME, CELLE-CI ÉTANT BAISSÉE - kg (lb)				CAPACITÉ DE LEVAGE EXTRÉMITÉ LAME, CELLE-CI ÉTANT RELEVÉE - kg (lb)				CAPACITÉ DE LEVAGE LATÉRAL, AVEC LA LAME RELEVÉE - kg (lb)			
	RAYON DE LEVAGE - mm (po)			LEVAGE à RAYON MAX., kg (lb) à mm (po)	RAYON DE LEVAGE - mm (po)			LEVAGE à RAYON MAX., kg (lb) à mm (po)	RAYON DE LEVAGE - mm (po)			LEVAGE à RAYON MAX., kg (lb) à mm (po)
mm (po)	2 000 (78,7)	3 000 (118,1)	4 000 (157,5)		2 000 (78,7)	3 000 (118,1)	4 000 (157,5)		2 000 (78,7)	3 000 (118,1)	4 000 (157,5)	
4 000 (157,5)				*509 (1 121) à 3 253 (128)				*499 (1 101) à 3 226 (127)				*504 (1 112) à 3 247 (128)
3 000 (118,1)			*501 (1 105)	*526 (1 161) à 4 110 (162)			*485 (1 068)	438 (966) à 4 109 (162)			423 (933)	419 (924) à 4 121 (162)
2 000 (78,7)		*587 (1 295)	*548 (1 208)	*579 (1 277) à 4 518 (178)		*567 (1 249)	*521 (1 148)	405 (893) à 4 520 (178)		*592 (1 304)	430 (949)	342 (755) à 4 500 (177)
1 000 (39,4)		*882 (1 945)	*664 (1 463)	*624 (1 376) à 4 600 (181)		637 (1 405)	444 (978)	374 (825) à 4 600 (181)		656 (1 445)	401 (885)	314 (693) à 4 618 (182)
Au niveau du sol	*2 134 (4 704)	*1 125 (2 481)	*776 (1 710)	*683 (1 505) à 4 460 (176)	1 193 (2 630)	641 (1 412)	408 (899)	396 (872) à 4 489 (177)	1 053 (2 321)	597 (1 316)	368 (811)	325 (716) à 4 496 (177)
-1 000 (-39,4)	*2 112 (4 655)	*1 166 (2 570)	*756 (1 667)	*745 (1 643) à 4 038 (159)	1 204 (2 654)	624 (1 376)	408 (899)	425 (937) à 4 060 (160)	1072 (2 364)	568 (1 253)	378 (833)	383 (844) à 4 064 (160)

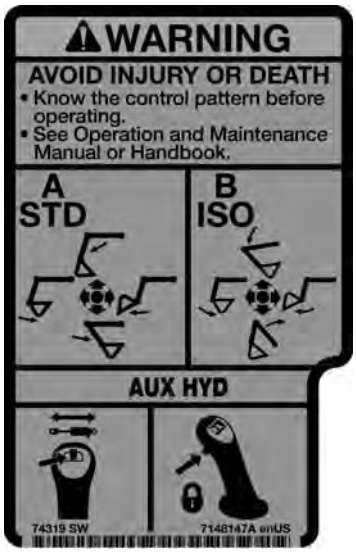
* Capacité de levage hydraulique nominale

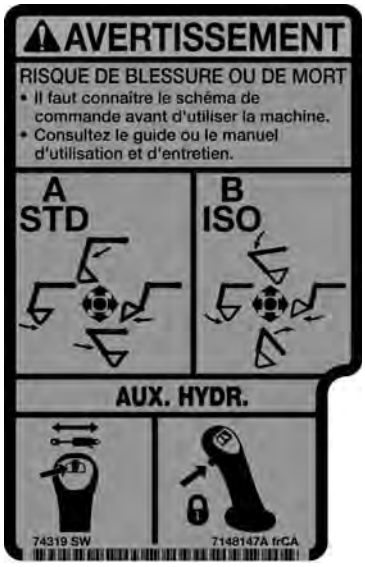
92630 SW 7174899B frCA

MACHINE SIGN TRANSLATIONS (CONT'D)

Warning (7148145)

Warning (7148147)





SPECIFICATIONS