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REFERENCE INFORMATION

Write the correct information for YOUR Bobcat Loader in the spaces below. Always use these numbers when referring to your Bobcat Loader.

Loader Serial Number

Engine Serial Number

NOTES:

YOUR BOBCAT DEALER:

ADDRESS:

PHONE:

FOREWORD

SAFETY

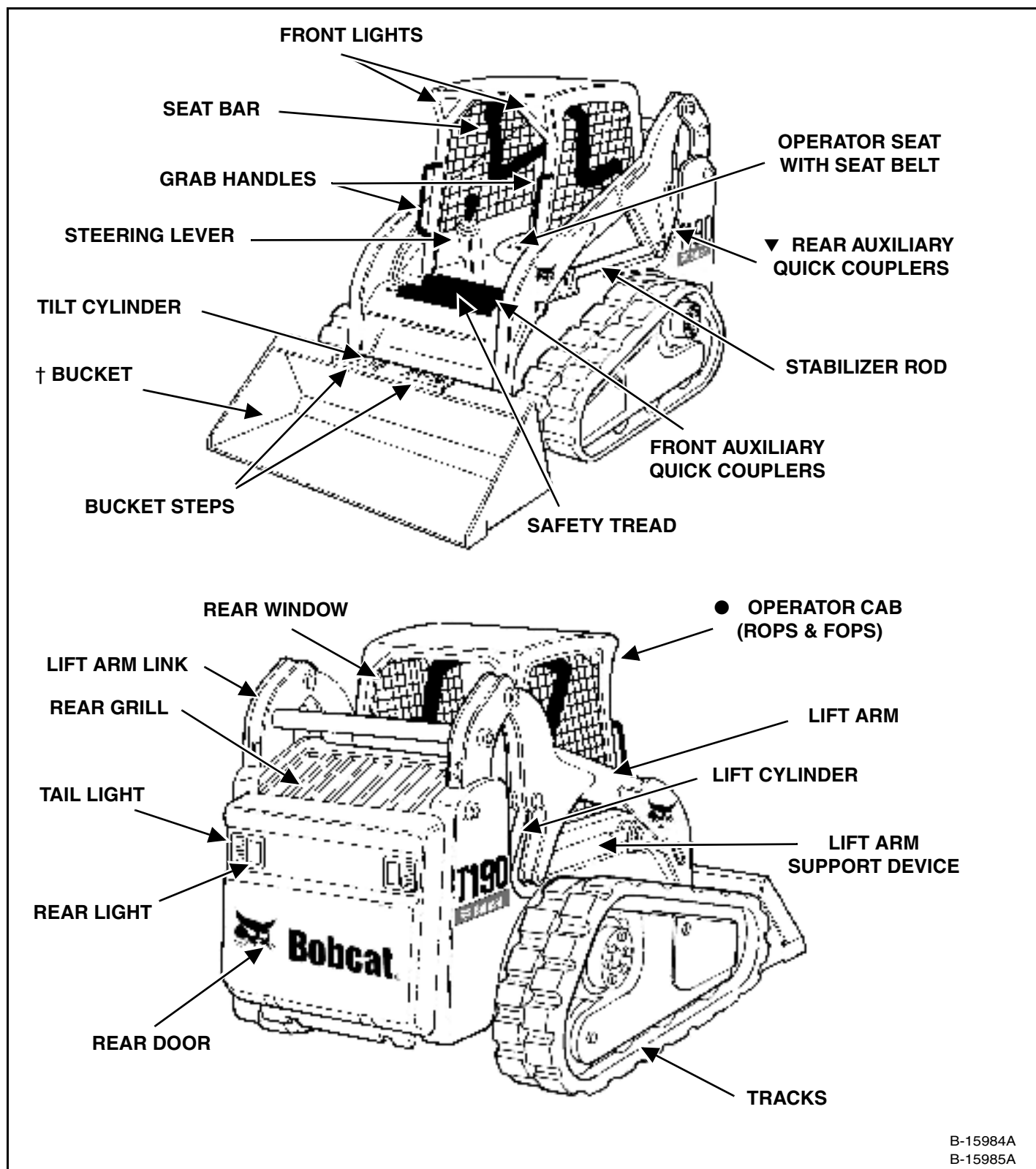
**OPERATING
INSTRUCTIONS**

**PREVENTIVE
MAINTENANCE**

**SYSTEM SETUP &
ANALYSIS**

SPECIFICATIONS

LOADER IDENTIFICATION



▼ OPTIONAL OR FIELD ACCESSORY (Not Standard Equipment)

† BUCKET - Several different buckets and other attachments are available from the Bobcat Loader.

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

SAFETY INSTRUCTIONS (CONT'D)

Safe Operation Is The Operator's Responsibility



Safety Alert Symbol

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



WARNING

Operator must have instructions before running the machine. Untrained operators can cause injury or death.

W-2001-1285

IMPORTANT

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

I-2019-0284



WARNING

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

W-2044-1285

The Bobcat Loader and attachment must be in good operating condition before use.

Check all of the items on the Bobcat Service Schedule Decal under the 8-10 hour column or as shown in the Operation & Maintenance Manual.

Safe Operation Needs A Qualified Operator

For an operator to be qualified, he or she must not use drugs or alcoholic drinks which impair alertness or coordination while working. An operator who is taking prescription drugs must get medical advice to determine if he or she can safely operate a machine.

A Qualified Operator Must Do The Following:

Understand the Written Instructions, Rules and Regulations

- The written instructions from Bobcat Company include the Delivery Report, Operation & Maintenance Manual, Operator's Handbook and machine signs (decals).
- Check the rules and regulations at your location. The rules may include an employer's work safety requirements. Regulations may apply to local driving requirements or use of a Slow Moving Vehicle emblem. Regulations may identify a hazard such as a utility line.

Have Training with Actual Operation

- Operator training must consist of a demonstration and verbal instruction. This training is given by your Bobcat dealer before the product is delivered.
- The new operator must start in an area without bystanders and use all the controls until he or she can operate the machine and attachment safely under all conditions of the work area. Always fasten seat belt before operating.

Know the Work Conditions

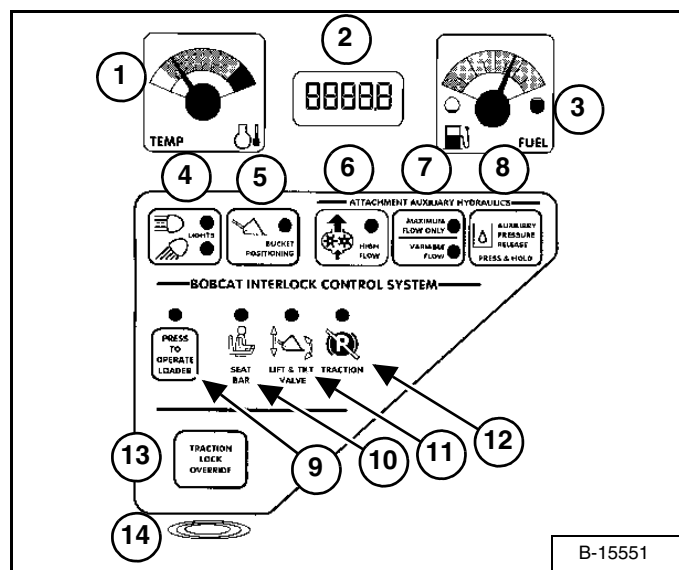
- Know the weight of the materials being handled. Avoid exceeding the Rated Operating Capacity of the machine. Material which is very dense will be heavier than the same volume of less dense material. Reduce the size of the load if handling dense material.
- The operator must know any prohibited uses or work areas, for example, he or she needs to know about excessive slopes.
- Know the location of any underground lines.
- Wear tight fitting clothing. Always wear safety glasses when doing maintenance or service. Safety glasses, hearing protection or Special Applications Kits are required for some work. See your Bobcat dealer about Bobcat Safety Equipment for your model.

SI SSL-0206

INSTRUMENT PANEL IDENTIFICATION

Left Panel

Figure 5



The left instrument panel is the same for both the Key Switch and Keyless Instrument Panels **[Figure 5]**.

The table below shows the DESCRIPTION and FUNCTION / OPERATION for each of the components of the left panel.

REF. NO	DESCRIPTION	FUNCTION / OPERATION
1	TEMPERATURE GAUGE	Shows the engine coolant temperature.
2	HOURLMETER / CODE DISPLAY / GLOW PLUG COUNTDOWN	HOURLMETER - Records operating hours of loader. CODE DISPLAY - Display numeric SERVICE CODES* relating to the loader monitoring system. COUNTDOWN - Preheat time remaining
3	FUEL GAUGE	Shows the amount of fuel in the tank.
4	LIGHTS / HOLD FOR CODES	LIGHTS - Press once for FRONT LIGHTS. Press a second time for FRONT AND REAR lights. Press a third time to turn all lights off. HOLD FOR CODES - Press and hold two seconds for display of SERVICE CODES (2). (CODES* show only when there is an error found by loader monitoring system.)
5	BUCKET POSITIONING (Option)	Press to engage the BUCKET POSITIONING function. Press again to disengage. Press and hold 2 seconds to view SHTDN (SHUTDOWN) feature & Operational Code Number in HOURLMETER / CODE DISPLAY.
ATTACHMENT AUXILIARY HYDRAULICS		
6	HIGH FLOW (Option)	Press to engage the HIGH FLOW auxiliary hydraulics. Press again to disengage.
7	MAXIMUM FLOW / VARIABLE FLOW	Press once to engage the VARIABLE FLOW auxiliary hydraulics. Press a second time to engage MAXIMUM FLOW. Press a third time to disengage all auxiliary hydraulics. [VARIABLE FLOW allows for slow-to-fast movement of auxiliary functions. (The farther you move the switch, the faster the movement of auxiliary functions.) MAXIMUM FLOW allows for only fast movement.]
8	AUXILIARY PRESSURE RELEASE	Rear Auxiliary Only - With key ON or engine running, press and hold button for 5 seconds. (See Relieve Hydraulic Pressure (Loader And Attachment) on Page 23 for front auxiliary pressure release.)
BOBCAT INTERLOCK CONTROL SYSTEM (BICS) (See SYSTEM ANALYSIS, Page 109 for more information.)		
9	PRESS TO OPERATE LOADER	Press to activate BICS System when the Seat Bar is down and operator is seated in operating position.
10	SEAT BAR	The light comes ON when the seat bar is down.
11	LIFT & TILT VALVE	The light comes ON when the seat bar is down and the PRESS TO OPERATE Button is pressed. The lift and tilt functions <u>can</u> be operated when the light is ON.
12	TRACTION	The light comes ON when the seat bar is down, engine is running, and parking brake is released. The loader <u>can</u> be moved forward or backward when the light is ON.
13	TRACTION LOCK OVERRIDE	(Function Only When Seat Bar Is Raised And The Engine Is Running) Press to unlock the brakes. Allows you to use the steering levers to move the loader forward or backward when using the backhoe attachment or for loader service. (See TRACTION LOCK OVERRIDE on Page 12). Press a second time to lock the brakes.
14	ALARM	The ALARM beeps when there is an Error, WARNING or SHUTDOWN condition.

* See SYSTEM SETUP & ANALYSIS, Page 110 for further description of SERVICE CODES.

BOBCAT INTERLOCK CONTROL SYSTEM (BICS)

Operation

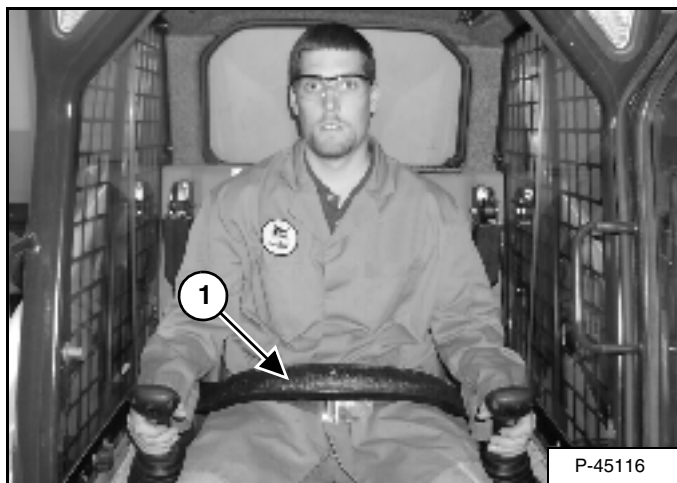
! WARNING

AVOID INJURY OR DEATH

The Bobcat Interlock Control System (BICS) must deactivate the lift, tilt and traction drive functions. If it does not, contact your dealer for service. **DO NOT** modify the system.

W-2151-0394

Figure 14



The Bobcat Interlock Control System (BICS) has a pivoting seat bar with arm rests (1) [Figure 14].

The operator controls the use of the seat bar. The seat bar in the down position helps to keep the operator in the seat.

The BICS requires the operator to be seated in the operating position with the Seat Bar (1) [Figure 14] fully lowered before the lift, tilt, auxiliary hydraulics, and traction functions can be operated. The seat belt must be fastened anytime you operate the machine.

! WARNING

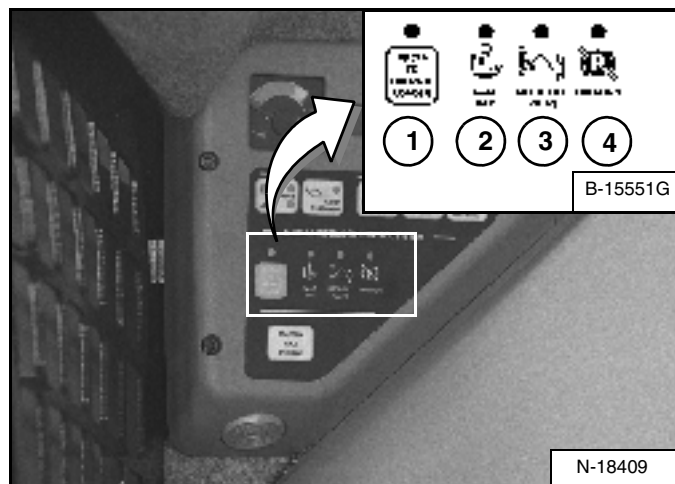
AVOID INJURY OR DEATH

When operating the machine:

- Keep the seat belt fastened snugly.
- The seat bar must be lowered.
- Keep your feet on the pedal controls or footrests and hands on steering levers.

W-2261-0799

Figure 15



There are display lights (1, 2, 3, and 4) [Figure 15] located on the left instrument panel that must be ON to operate the machine.

When the seat bar is down, PRESS TO OPERATE LOADER Button is activated, and the parking brake is released, the lift, tilt, auxiliary hydraulics, and traction drive functions can be operated.

When, the seat bar is up, the lift, tilt, auxiliary hydraulics, and traction drive functions are deactivated.

! WARNING

Before you leave the operator's seat:

- Lower the lift arms, put the attachment flat on the ground.
- Stop the engine.
- Engage the parking brake.
- Raise seat bar.
- (Foot Pedal Controls) Move pedals until both lock.
- (Advanced Control system - ACS) Move the hydraulic controls to the NEUTRAL POSITION to make sure that both lift and tilt functions are deactivated.
- (Selectable Joystick Controls - SJC) Move the joysticks to the NEUTRAL POSITION to make sure that travel and hydraulic functions are deactivated.

The seat bar system must deactivate the lift and tilt control functions when the seat bar is up. Service the system if hand controls do not deactivate.

The seat bar system must deactivate these functions when the seat bar is up. Service the system if controls do not deactivate.

W-2463-0603

HYDRAULIC CONTROLS (CONT'D)

Auxiliary Hydraulics Operation (VARIABLE FLOW)

Figure 39

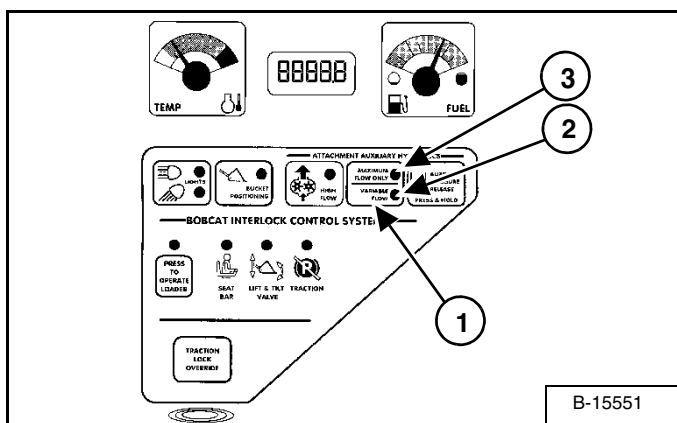
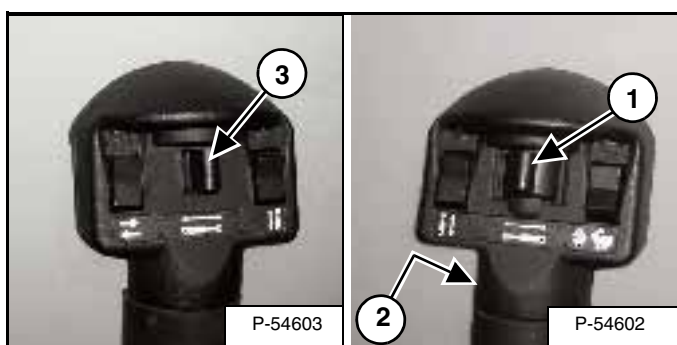


Figure 40



VARIABLE FLOW allows for slow-to-fast movement of auxiliary functions. If you move the auxiliary switch (1) [Figure 40] half-way, the auxiliary functions move at approximately one-half speed.

Press the auxiliary hydraulics button (1) [Figure 39] once.

The light (2) [Figure 39] will be ON.

To disengage, press the auxiliary hydraulics button (1) [Figure 39] two more times.

Both lights (2 and 3) [Figure 39] will be OFF.

NOTE: When the operator is seated and raises the seat bar, the Auxiliary Hydraulic System (Front and Rear) will deactivate.

Auxiliary Hydraulics Operation (MAXIMUM FLOW ONLY)

MAXIMUM FLOW ONLY allows for fast movement only. If you move the auxiliary switch (1 or 3) [Figure 40], the auxiliary functions move at fast speed; release the switch to stop auxiliary functions.

Press the auxiliary hydraulics button (1) [Figure 39] two times.

The light (3) [Figure 39] will be ON.

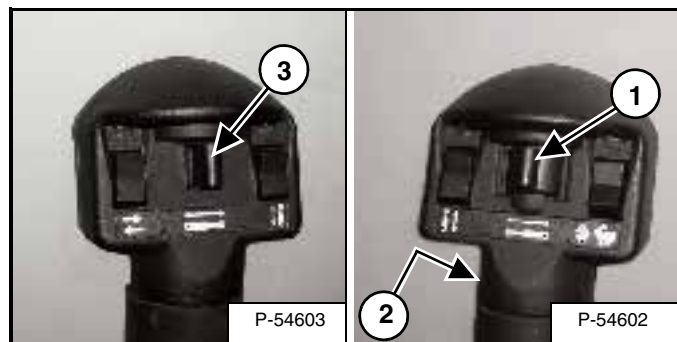
To disengage, press the auxiliary hydraulics button (1) [Figure 39] again.

Both lights (2 and 3) [Figure 39] will be OFF.

NOTE: When the operator is seated and raises the seat bar, the Auxiliary Hydraulic System (Front and Rear) will deactivate.

FRONT Auxiliary Hydraulics Operation (VARIABLE FLOW)

Figure 41



Press the auxiliary hydraulics button for *VARIABLE FLOW*.

Push the switch (1) [Figure 41] to the right or left to change the fluid flow direction of the front quick couplers. (EXAMPLE: Open and close grapple teeth.)

FRONT Auxiliary Hydraulics Operation (MAXIMUM FLOW)

Press the auxiliary hydraulics button for *MAXIMUM FLOW*.

Push the switch (1) [Figure 41] to the right or left to change the fluid flow direction of the front quick couplers. (EXAMPLE: Open and close grapple teeth.)

Press again to disengage.

STARTING THE ENGINE (CONT'D)

Keyless

! WARNING

AVOID INJURY OR DEATH

- Engines can have hot parts and hot exhaust gas. Keep flammable material away.
- Do not use machines in atmosphere containing explosive gas.

W-2051-1086

Perform the PRE-STARTING PROCEDURE. (See PRE-STARTING PROCEDURE on Page 27.)

Figure 62

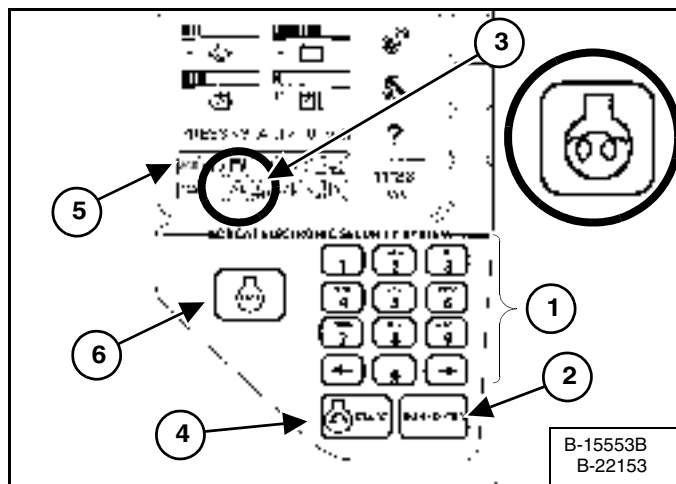


P-68134

Set the engine speed control at the 1/2 speed position [Figure 58].

NOTE: Loaders with Keyless Instrument Panel have a permanent, randomly generated Master Password set at the factory. Your loader will be assigned an Owner Password. Your dealer will provide you with this password. Change the password to one that you will easily remember to prevent unauthorized use of your loader. (See Passwords on Page 116.) Keep your password in a safe place for future needs.

Figure 63



Use the numeric keypad (1) [Figure 63] to enter the password, then press the RUN/ ENTER Button (2) [Figure 63].

If the temperature is cold, the intake air heater will automatically cycle and the Icon (3) [Figure 63] will be ON.

When the Icon light goes OFF, press the START Button (4) [Figure 63]. Release the button when the engine starts.

NOTE: Make sure both hand controls (ACS) or Joysticks (SJC) are in the neutral position before starting the engine. Do not move the levers or joysticks from the neutral position before attempting to start the engine.

If controls are moved:

a. The neutral position for the hydraulic valve spool and hand control may not be correctly calibrated. This can result in movement of the lift or tilt hydraulic cylinders when the hand control lever is returned to the neutral position after start-up.

OR

b. ACS indicator light (5) [Figure 63] on right instrument panel will be ON.

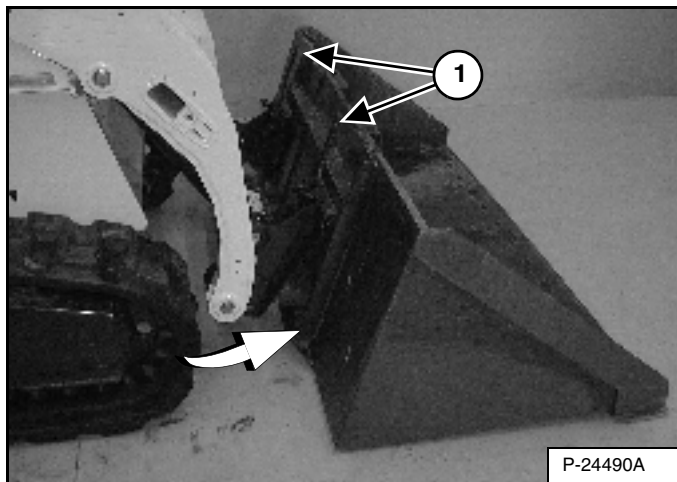
If either condition occurs, press the STOP button (6) [Figure 63]. Put the controls in neutral position and re-start the engine.

ATTACHMENTS (CONT'D)

Installing And Removing The Attachment (Hand Lever Bob-Tach)

The Bob-Tach is used for fast changing of buckets and attachments. See the appropriate Attachment Operation & Maintenance Manual to install other attachments.

Figure 79



Installing

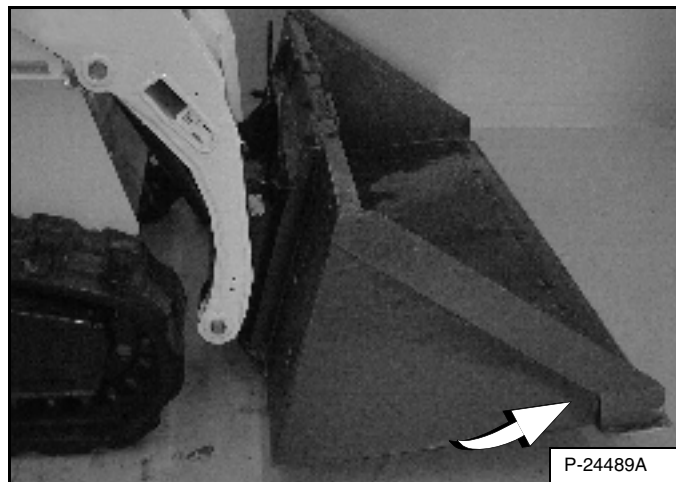
Pull the Bob-Tach levers all the way up (1) [Figure 79].

Enter the loader and perform the PRE-STARTING PROCEDURE. (See PRE-STARTING PROCEDURE on Page 27.)

Lower the lift arms and tilt the Bob-Tach forward.

Drive the loader forward until the top edge of the Bob-Tach is completely under the top flange of the bucket [Figure 79] (or other attachment). Be sure the Bob-Tach levers do not hit the bucket.

Figure 80



Tilt the Bob-Tach backward until the cutting edge of the bucket (or other attachment) is slightly off the ground [Figure 80].

Stop the engine and exit the loader.

WARNING

Before you leave the operator's seat:

- Lower the lift arms, put the attachment flat on the ground.
- Stop the engine.
- Engage the parking brake.
- Raise seat bar.
- (Foot Pedal Controls) Move pedals until both lock.
- (Advanced Control system - ACS) Move the hydraulic controls to the NEUTRAL POSITION to make sure that both lift and tilt functions are deactivated.
- (Selectable Joystick Controls - SJC) Move the joysticks to the NEUTRAL POSITION to make sure that travel and hydraulic functions are deactivated.

The seat bar system must deactivate the lift and tilt control functions when the seat bar is up. Service the system if hand controls do not deactivate.

The seat bar system must deactivate these functions when the seat bar is up. Service the system if controls do not deactivate.

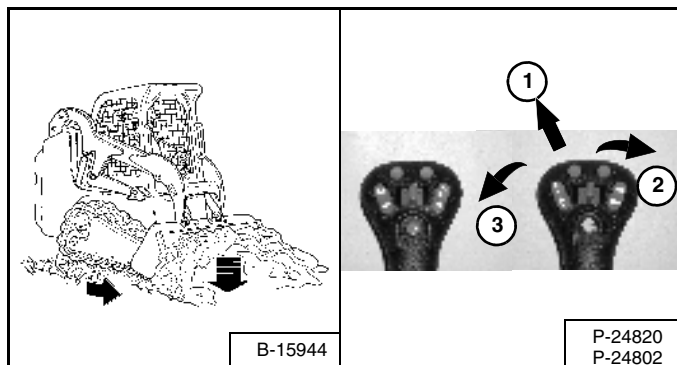
W-2463-0603

OPERATING PROCEDURE (CONT'D)

Digging And Filling A Hole (SJC - 'ISO' Pattern)

Digging

Figure 117

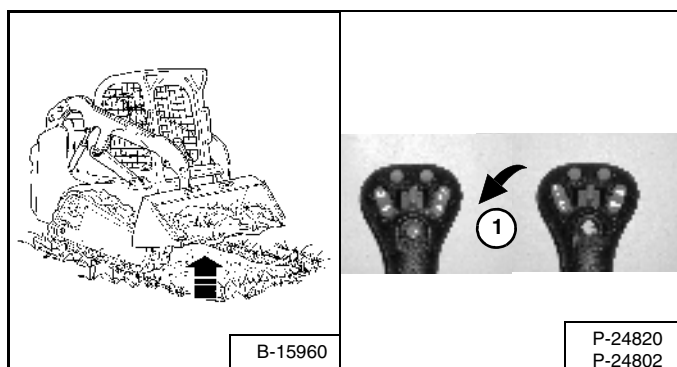


Lower the lift arms all the way (1) [Figure 117]. Put the cutting edge of the bucket on the ground (2) [Figure 117].

Drive forward slowly and continue to tilt the bucket down (2) [Figure 117] until it enters the ground.

Raise the cutting edge a small amount (3) [Figure 117] to increase traction and keep an even digging depth. Continue to drive forward until the bucket is full. When the ground is hard, raise and lower the cutting edge (2 and 3) [Figure 117] while driving forward.

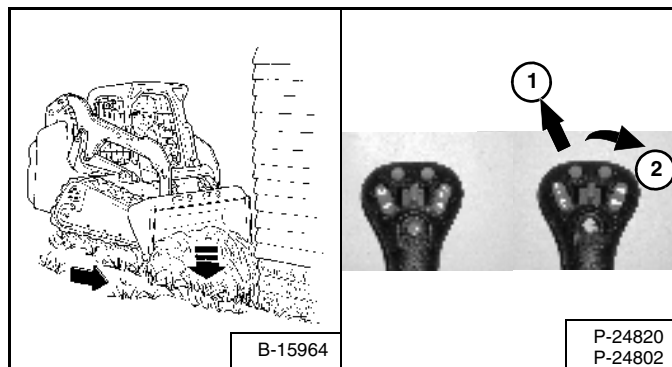
Figure 118



Tilt the bucket backward (1) [Figure 118] as far as it will go when the bucket is full.

Filling

Figure 119



Lower the lift arms (1) [Figure 119] and put the cutting edge of the bucket on the ground (2) [Figure 119]. Drive forward to the edge of the hole to push the material into the hole.

Tilt the bucket forward (2) [Figure 119] as soon as it is past the edge of the hole.

If necessary, raise the lift arms to empty the bucket.

MAINTENANCE SAFETY



WARNING

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

W-2003-0903



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

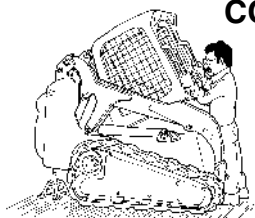
CORRECT



B-10731A

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

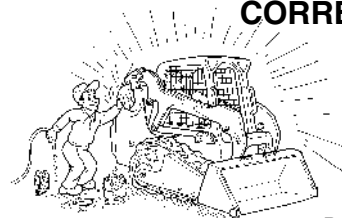
CORRECT



B-15954

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

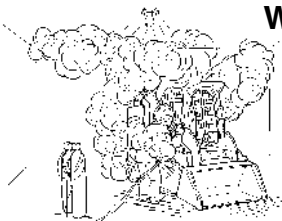
CORRECT



B-15956

- ⚠ Cleaning and maintenance are required daily.

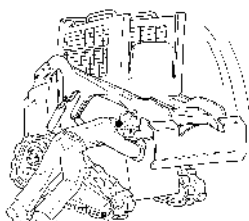
WRONG



B-15967

- ⚠ 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.

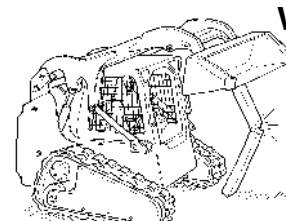
WRONG



B-15958

- ⚠ 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-15955

- ⚠ 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.

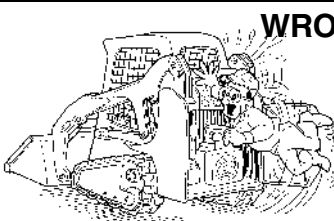
WRONG



B-15966

- ⚠ 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-15951

- ⚠ 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.

MSW11-0805

LIFT ARM SUPPORT DEVICE

Installing

! 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

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

W-2271-1197

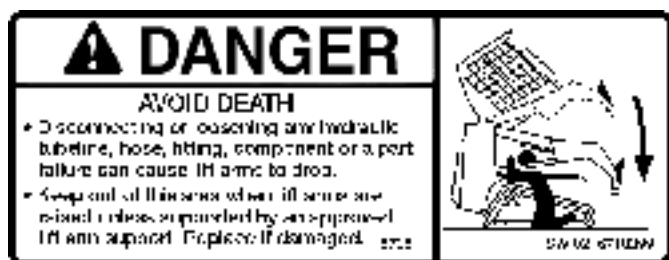
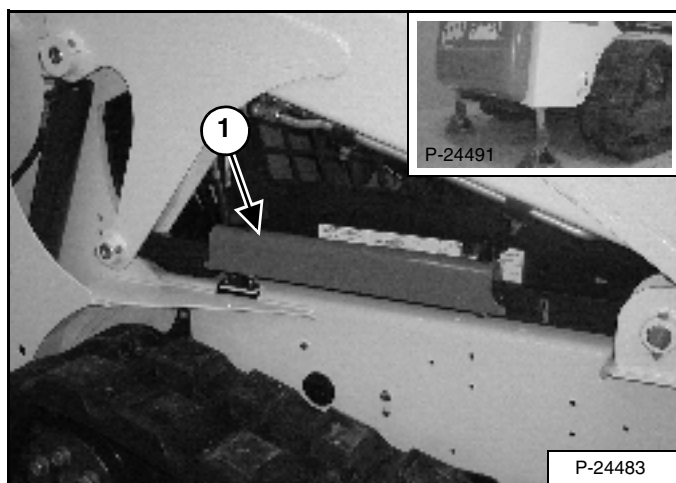


Figure 127



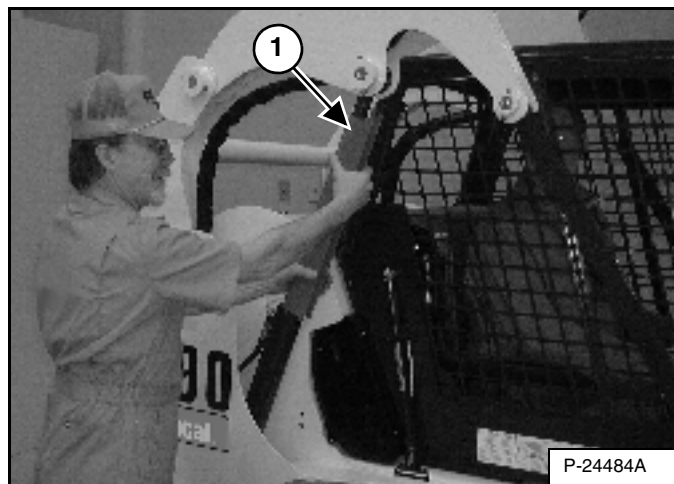
Put jackstands under the rear corners of the loader frame (Inset) [Figure 132].

Remove the lift arm support device (1) [Figure 127] from storage position.

The operator must be in the operator's seat, with the seat belt fastened and seat bar lowered, until the lift arm support device is installed.

Start the engine, and raise the lift arms all the way up.

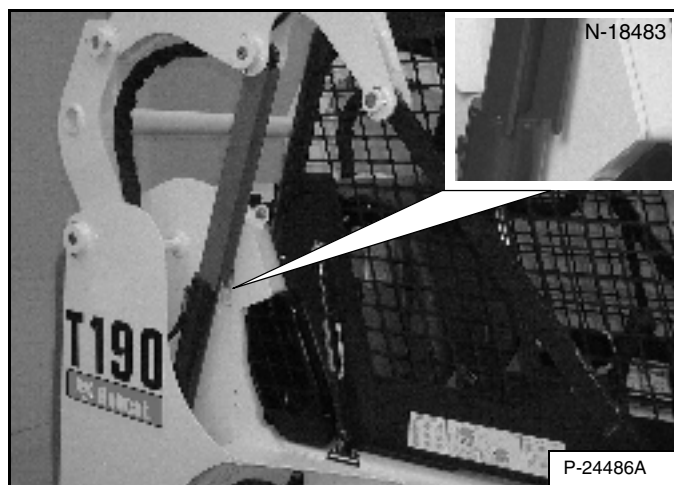
Figure 128



Have a second person install the lift arm support device (1) [Figure 128] over the rod of one of the lift cylinders.

The lift arm support device must be tight against the cylinder rod.

Figure 129

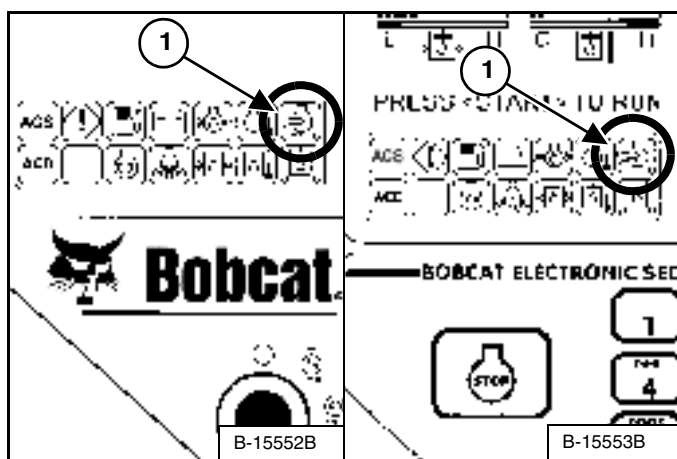


Lower the lift arms slowly until the lift arm support device is held between the lift arms and the lift cylinder [Figure 129]. The tabs of the lift arm support device must go under the cylinder (Inset) [Figure 129].

AIR CLEANER SERVICE

Replacing Filter Elements

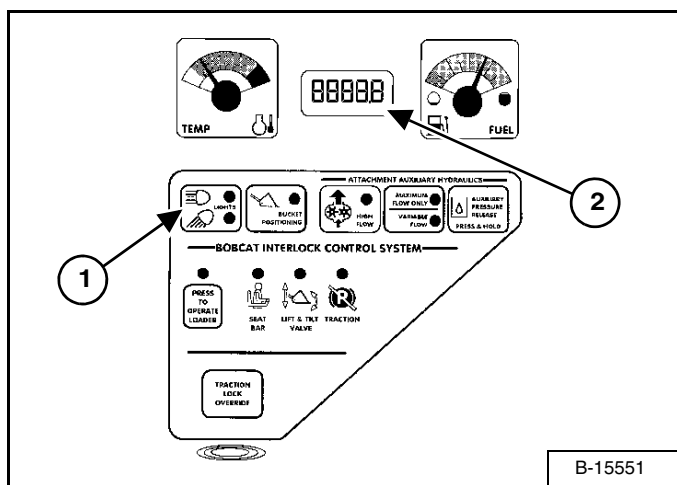
Figure 142



It is important to change the air filter element only when the Air Cleaner Icon in the right panel is ON (1) [Figure 142] and you hear three beeps from the alarm.

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

Figure 143

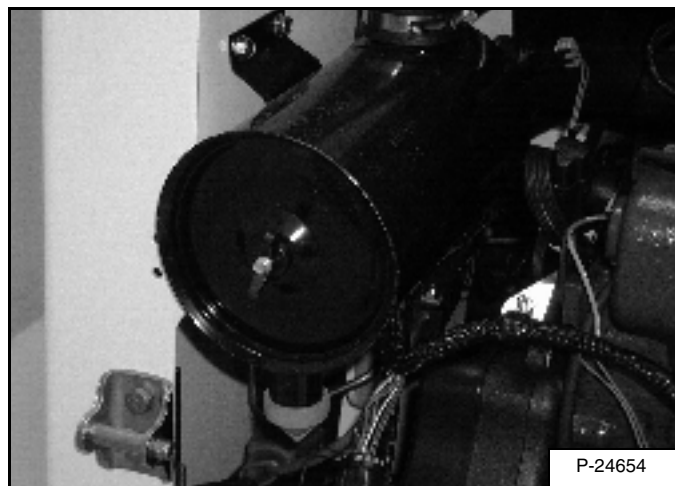


Press and hold the LIGHT Button (1) [Figure 143] for two seconds.

If the filter element needs replacement, the CODE [01-17] (Air Filter Plugged) will show in the HOURMETER / CODE DISPLAY (2) [Figure 143].

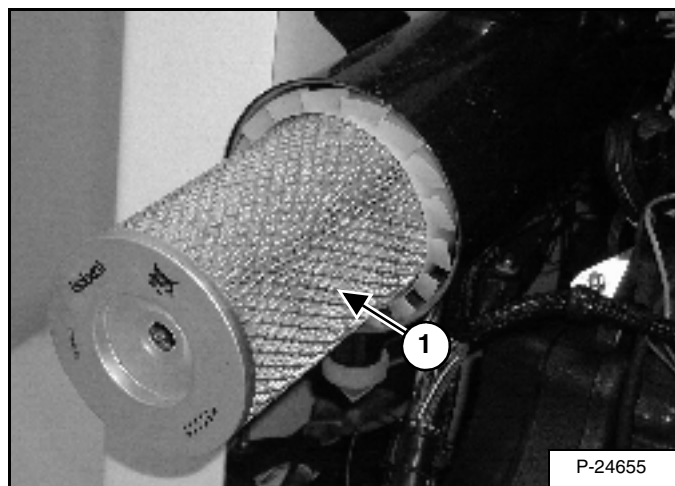
Outer Filter

Figure 144



Remove the wing nut and remove the dust cover [Figure 144].

Figure 145



Remove the wing nut and remove the outer filter element (1) [Figure 145].

NOTE: Make sure all sealing surfaces are free of dirt and debris. Do not use air pressure to clean.

Install new filter. Push all the way in until it contacts the base of the housing. Install wing nut.

Install the dust cover and the wing nut [Figure 144].

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

ELECTRICAL SYSTEM (CONT'D)

Removing And Installing The Battery

! WARNING

Batteries contain acid which burns eyes and skin on contact. Wear goggles, protective clothing and rubber gloves to keep acid off body.

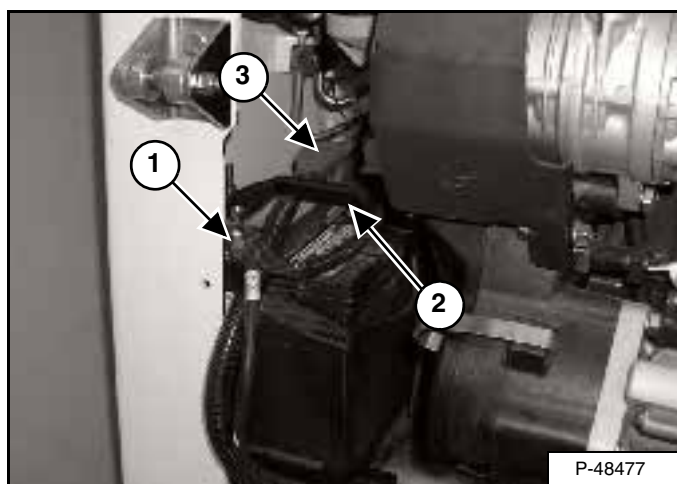
In case of acid contact, wash immediately with water. In case of eye contact get prompt medical attention and wash eye with clean, cool water for at least 15 minutes.

If electrolyte is taken internally drink large quantities of water or milk! DO NOT induce vomiting. Get prompt medical attention.

W-2065-1296

Open the rear door.

Figure 161



Remove the harness clamp (1) [Figure 161].

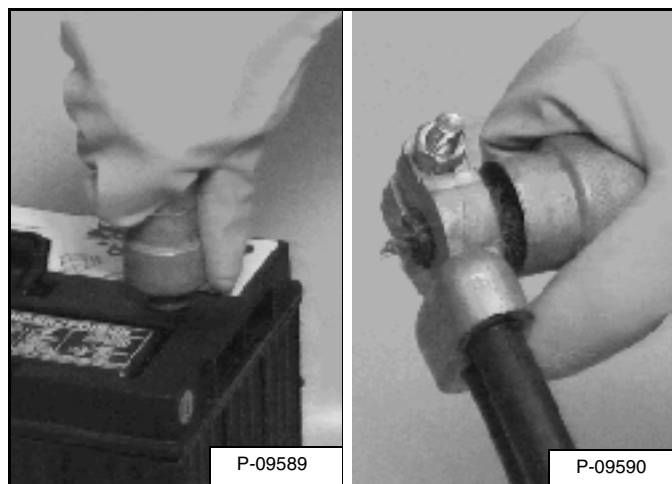
Disconnect the negative (-) battery cable (1) [Figure 161].

Remove the battery hold down clamp (2) [Figure 161].

Disconnect the positive (+) cable (3) [Figure 161] from the battery.

Remove the battery from the loader.

Figure 162



Always clean the battery terminals and cable ends when installing a new or used battery [Figure 162].

When installing the battery in the loader, do not touch any metal parts with the battery terminals.

Connect the negative (-) cable last to prevent sparks.

Connect and tighten the battery cables.

Install and tighten the battery hold down.

! WARNING

Keep arcs, sparks flames and lighted tobacco away from batteries. When *jumping* from booster battery make final connection (negative) at machine frame.

Do not jump start or charge a frozen or damaged battery. Warm battery to 16°C (60°F) before connecting to a charger. Unplug charger before connecting or disconnecting cables to battery. Never lean over battery while boosting, testing or charging.

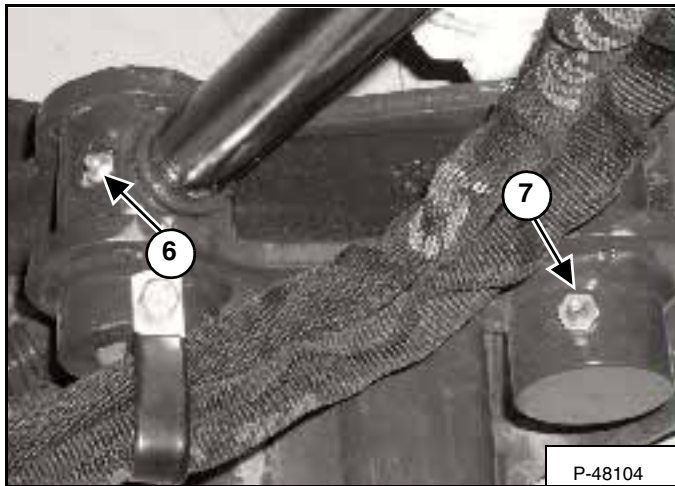
Battery gas can explode and cause serious injury.

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LUBRICATING THE LOADER (CONT'D)

Lubrication Locations (Cont'd)

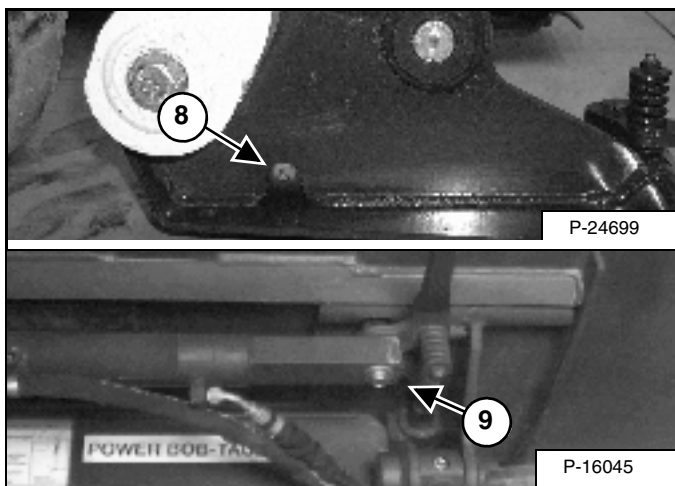
Figure 186



6. Tilt Cylinder Rod End [Figure 186].

7. Bob-Tach Pivot Pin (Both Sides) [Figure 186].

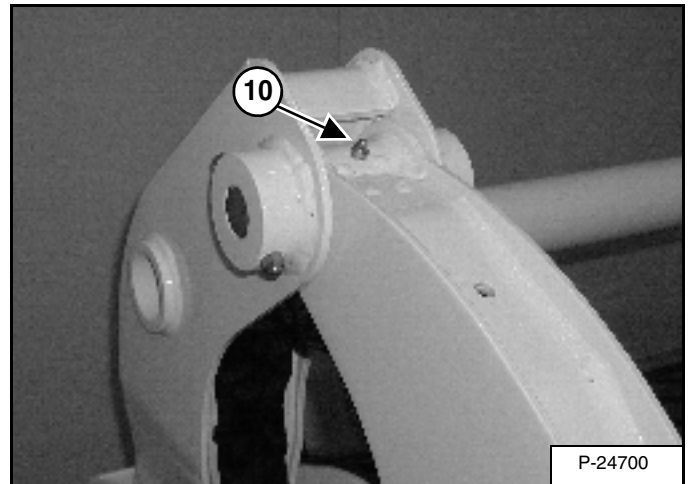
Figure 187



8. Bob-Tach Wedge (Both Sides) [Figure 187].

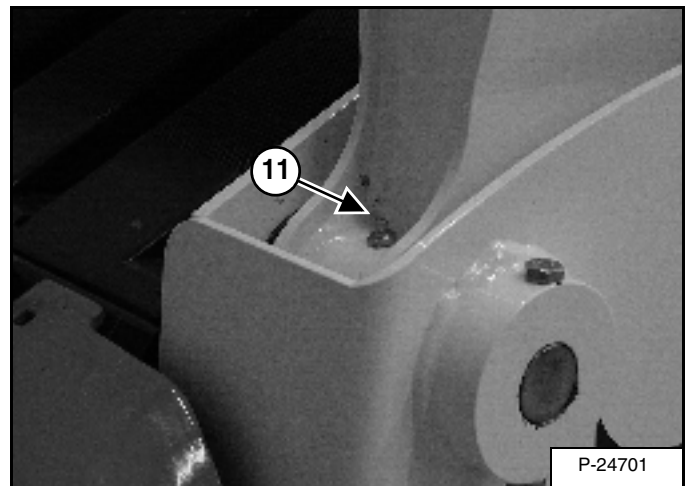
9. Power Bob-Tach Cylinder (Both Sides) [Figure 187].
(If Equipped)

Figure 188



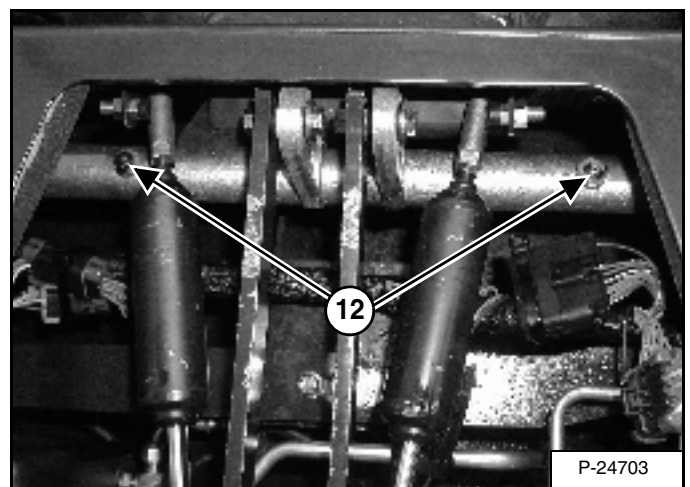
10. Lift Arm Pivot Pin (Both Sides) [Figure 188].

Figure 189



11. Lift Arm Link Pivot Pin (Both Sides) [Figure 189].

Figure 190

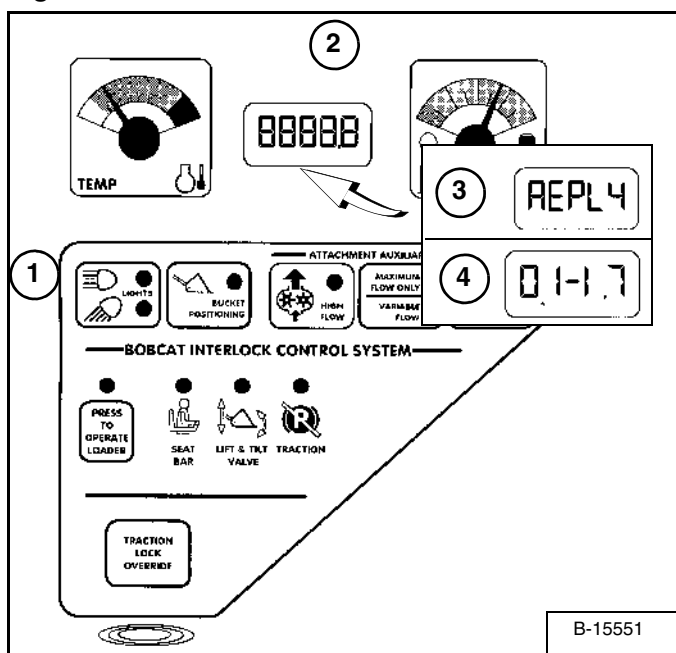


12. 250 Hours: Steering Lever Shaft (2) [Figure 190].

DIAGNOSTIC SERVICE CODES

Viewing Service Codes (Key Switch)

Figure 198



Press and hold the LIGHTS Button (1) [Figure 198] for two seconds to view SERVICE CODES in the HOURMETER / CODE DISPLAY (2). If more than one SERVICE CODE is present, the codes will scroll on the HOURMETER / CODE DISPLAY.

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, could indicate a bad ground. The same symptoms could apply if the voltage is low, such as loose or corroded battery cables. If you observe these symptoms, check grounds and positive leads first.

SERVICE CODES may be either a word (3) [Figure 198] or a number (4). (See the following pages for the service codes.)

The following word errors may be displayed.

REPLY One or both instrument panel(s) not communicating with the controller.

INPUT The controller not communicating with the left instrument panel.

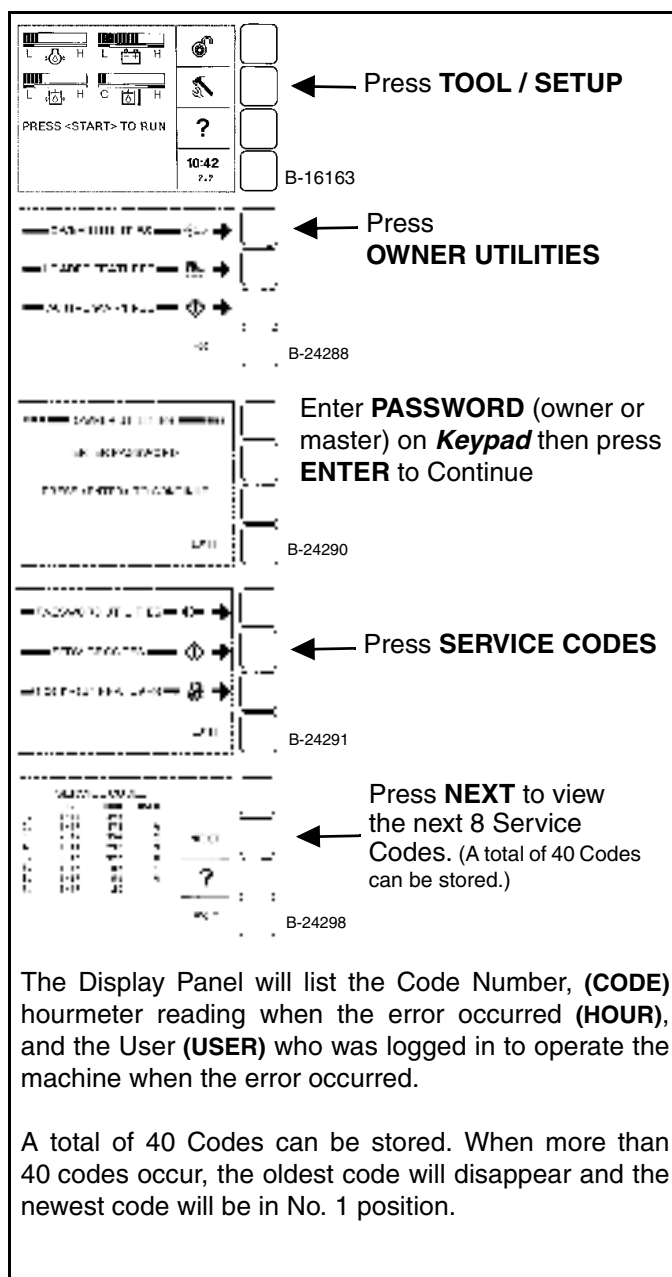
CODE The controller is asking for a password. (Keyless instrument panel only.)

ERROR The wrong password was entered. (Keyless instrument panel only.)

Viewing Service Codes (Keyless)

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

Figure 199



The Display Panel will list the 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.

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 No. 1 position.