



EN

Operation & Maintenance Manual

Compact Track Loader



T66 S/N: B51V11001 & Above

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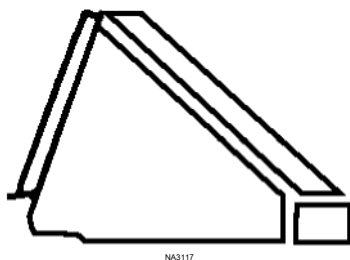
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Buckets Available

Increase the versatility of your Bobcat machine with a variety of bucket styles and sizes.



Many bucket styles, widths, and different capacities are available for a variety of different applications. They include Construction and Industrial, Low Profile, Fertiliser, and Snow, to name a few. See your Bobcat dealer for the correct bucket for your Bobcat loader and application.

Attachments

These and other attachments are approved for use on this model loader. Do not use unapproved attachments. Attachments not manufactured by Bobcat may not be approved.

The versatile Bobcat loader quickly turns into a multijob machine with a tight-fit attachment hook-up ... from bucket to grapple to pallet fork, and a variety of other attachments.

See your Bobcat dealer for information about approved attachments and attachment Operation & Maintenance Manuals.

- Angle Broom
- Auger
- Bale Handler
- Blades — Box, Dozer, Snow, Snow V-Blade
- Breaker, Hydraulic
- Brush Saw
- Brushcat™ Rotary Cutter
- Buckets
- Combination Bucket
- Concrete Mixer
- Concrete Pump
- Digger
- Drop Hammer
- Dumping Hopper
- Flail Cutter
- Grader
- Grapples — Farm / Utility, Industrial, Root
- Landplane
- Landscape Rake
- Laser Equipment
- Mixing Bucket
- Pallet Fork
- Planer
- Pressure Washer
- Rock Bucket
- Rotary Grinder
- Sand Cleaner
- Scarifier
- Scraper
- Snow Pusher
- Snowblower
- Sod Layer
- Soil and Asphalt Spreader
- Soil Conditioner
- Spreader
- Stabiliser, Rear
- Stump Grinder
- Sweeper
- Tiller
- Tilt-Tatch™
- Tree Transplanter
- Trench Compactor
- Trencher
- Utility Fork
- Utility Frame
- Vibratory Roller
- Water Kit

High-Flow Attachments

The following attachments are approved for use on High-Flow machines. See your Bobcat dealer for an updated list of approved attachments.

- Auger
- Angle Broom
- Brushcat™ Rotary Cutter
- Concrete Pump
- Flail Cutter
- Forestry Cutter
- Planer
- Rotary Grinder
- Snowblower
- Soil Conditioner
- Stump Grinder
- Tiller
- Trencher
- Wheel Saw
- Wood Chipper

REF	DECAL	WARNING (IF APPLICABLE)
-----	-------	----------------------------

SJC Controls Operation (7326103)

This safety sign is located inside the operator cab on the lower left side of loaders equipped with SJC controls.

8



General Hazard Warning (7323814)

This safety sign is located inside the operator cab on the lower right side.

9


 **WARNING**
GENERAL HAZARD

Untrained operators or failure to follow instructions can cause serious injury or death.

Operators must have adequate training and instruction before operating the machine. Read Operation & Maintenance Manual and Handbook. Never modify equipment or use attachments not approved by Bobcat Company.

- On slopes, keep heavy end of machine uphill.
- Do not travel or turn with lift arms up. Load, unload, and turn on flat level ground. **DO NOT** exceed Rated Operating Capacity (See decal in cab). ◀

W-2837

Back-Up Alarm (7342336)

This safety sign is located inside the operator cab on the lower right side.

10


 **WARNING**
CRUSHING HAZARD

Contact with machine can cause serious injury or death.

- Always keep bystanders away from the work area and travel path.
- The operator must maintain a clear view of the direction of travel and look before and during machine movement.
- The back-up alarm must sound when operating the machine in the reverse direction. ◀

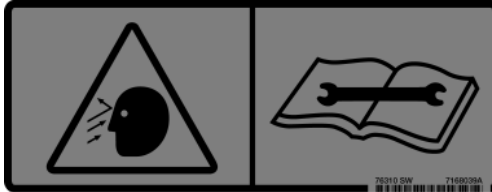
W-2783

REF	DECAL	WARNING (IF APPLICABLE)
-----	-------	----------------------------

Flying Debris or Objects (7168039) (2)

This safety sign is located on the left and right undercarriages near the grease cylinder tensioning fittings.

38



WARNING
INJECTION HAZARD

High pressure grease can penetrate the skin and eyes causing serious injury.

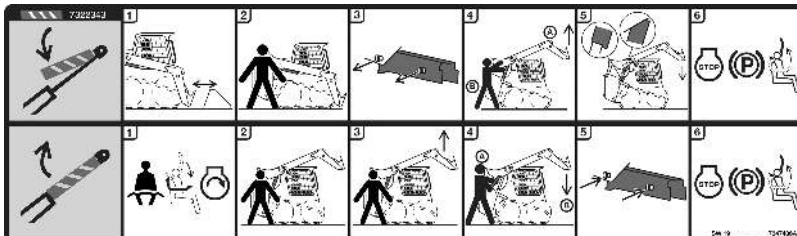
- Do not loosen grease fitting.
- Do not loosen bleed fitting more than 1 - 1/2 turns.
- Read and understand the Operation & Maintenance Manual for more information. *

W-2516

Lift Arm Support (7347436)

This safety sign is located on the lower right side outside the operator cab.

39

*To Install Approved Lift Arm Support:*

1. Remove attachment from loader.
2. Stay in seat while second person removes lift arm support from storage position.
3. Remove pins and lift arm support.
4. Raise lift arms while second person positions lift arm support against cylinder rod.
5. Lower lift arms slowly until lift arm support is held securely between lift arm and cylinder.
6. Stop the engine, engage the parking brake, and raise the seat bar.

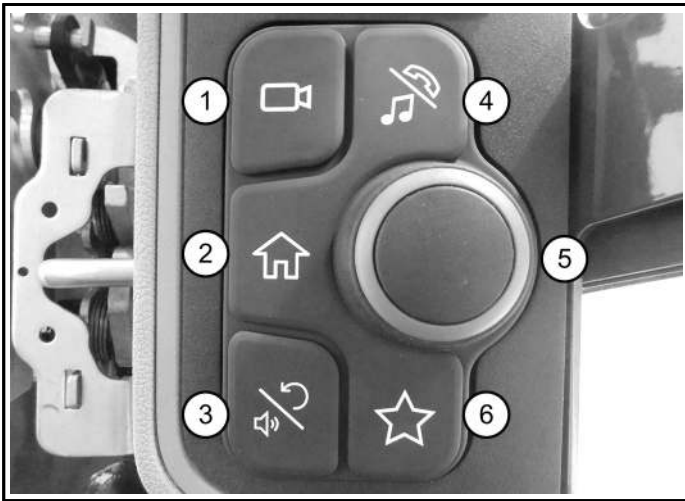
To Remove Lift Arm Support:

1. Fasten seat belt and lower seat bar before starting the engine.
2. Stay in seat while second person removes lift arm support from cylinder rod.
3. Raise lift arms.
4. Second person removes lift arm support from cylinder rod. Stay in seat until the lift arms are lowered all the way.
5. Return lift arm support to storage position and secure with pins.
6. Stop the engine, engage the parking brake, and raise the seat bar.

JOG SHUTTLE

Jog Shuttle (Standard Display)

Figure 17

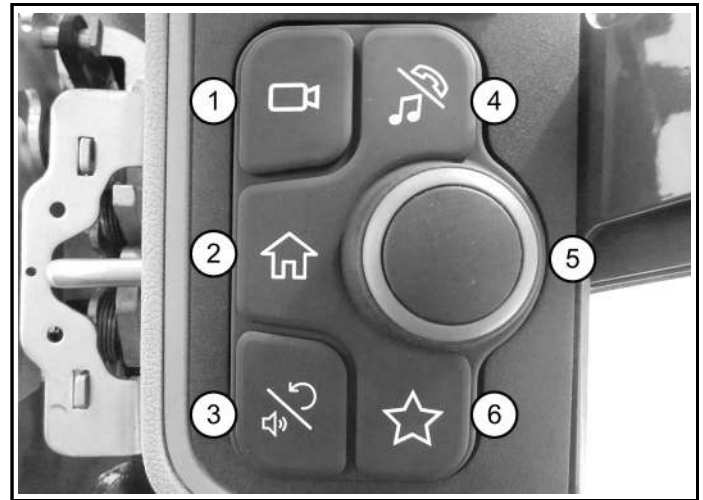


C200199a

REF	DESCRIPTION	FUNCTION
1	Rear View Camera	Press to change display view to rear camera.
2	Gauges	Press to change display view to the GAUGES screen.
3	Back	Press to return to previous screen.
4	Not Used	---
5	Rotary Knob	Rotate to navigate between available icons on display. Press to select highlighted icon.
6	Not Used	---

Jog Shuttle (Touch Display)

Figure 18



C200199a

REF	DESCRIPTION	FUNCTION
1	Rear View Camera	Press to change display view to rear camera. Press again to toggle full screen view.
2	Gauges	Press to toggle between GAUGES and VITALS screens.
3	Volume / Navigation	Press to toggle rotary knob control of radio and phone volume or navigation around the current display view.
4	Audio / Phone	Press to toggle between AUDIO and PHONE screens. See Touch Display User Guide for more information.
5	Rotary Knob	Rotate to navigate between available icons on display. Press to select highlighted icon. Rotate clockwise to increase volume of radio or phone and anticlockwise to decrease volume. Press to mute and unmute.
6	Favorite	Press repeatedly to cycle through favorite screens. Press and hold to add and remove favorite screens. (See Favorites on Page 198)

BOBCAT INTERLOCK CONTROL SYSTEM (BICS)

Bobcat Interlock Control System (BICS) Description

⚠ WARNING

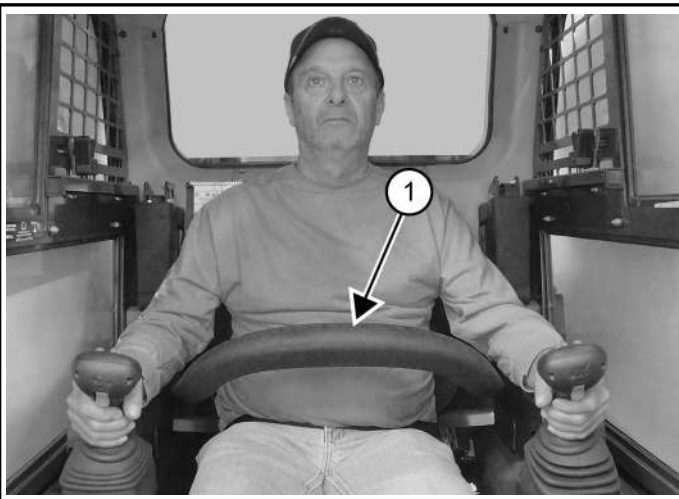
MODIFICATION HAZARD

Modifying the machine can cause serious 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

Figure 39



The Bobcat Interlock Control System (BICS) has a pivoting seat bar with armrests (Item 1) [Figure 39]. The operator controls the use of the seat bar.

⚠ WARNING

GENERAL HAZARD

Failure to follow instructions can cause serious 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 the controls. ◀

W-2261

The BICS requires the operator to be seated in the operating position with the seat bar fully lowered before the lift, tilt, auxiliary hydraulics, and traction drive functions can be operated. The seat belt must be fastened anytime you operate the machine.

Operating Bobcat Interlock Control System (BICS)

Figure 40



NA9935

- Three icons [Figure 40] located in the upper right of the display must be OFF to fully operate the machine.
- When the seat bar is lowered, the engine is running, the operate button is pressed, and the parking brake is released; the lift, tilt, auxiliary hydraulics, and traction drive functions can be operated.
- When the seat bar is raised; the lift, tilt, auxiliary hydraulics, and traction drive functions are deactivated.

⚠ WARNING

GENERAL HAZARD

Failure to follow instructions can cause serious injury or death.

Before you leave the operator's seat:

- Lower the lift arms and put the attachment flat on the ground.
- Stop the engine.
- Engage the parking brake.
- Raise the seat bar.
- Move all controls to the NEUTRAL / LOCKED position to make sure the lift, tilt and traction drive functions are deactivated.
- The seat bar system must deactivate these functions when the seat bar is up. See your Bobcat dealer for service if controls do not deactivate. ◀

W-2463

Decel Pedal

Machines equipped with touch display have a decel function.

When the decel function is ON and the hand engine speed control is set to high idle, pressing the foot engine speed control will lower the engine speed. (See Machine Settings on Page 200)

AUTO IDLE

Auto Idle Description

The auto idle feature (when engaged) reduces the engine speed to low idle when the joysticks are in neutral and not used for approximately five seconds.

All of the following conditions / actions must be met to allow the engine speed to reduce to low idle when auto idle is ON:

- Joysticks are not moved out of neutral.
- Auxiliary hydraulics is not engaged.
- Foot operated engine speed control pedal is not depressed.
- Engine speed controls are not moved.

Any of the following conditions / actions return the engine speed to the set position from low idle:

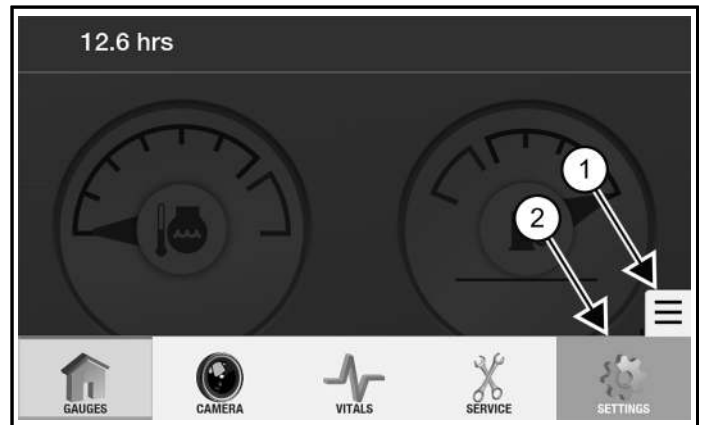
- Moving a joystick out of neutral.
- Engaging auxiliary hydraulics.
- Moving either engine speed control.

NOTE: The five second time delay before the engine speed reduces to low idle can be changed on machines equipped with a touch display. (See Machine Settings on Page 200)

Operating Auto Idle

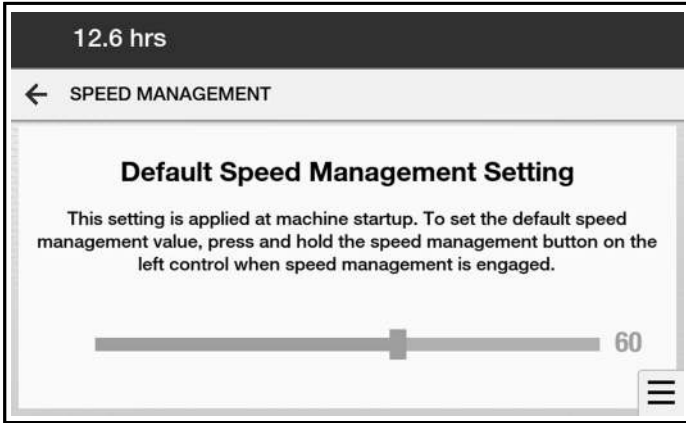
NOTE: Always disengage the auto idle feature when loading or unloading the machine on a trailer.

Figure 66



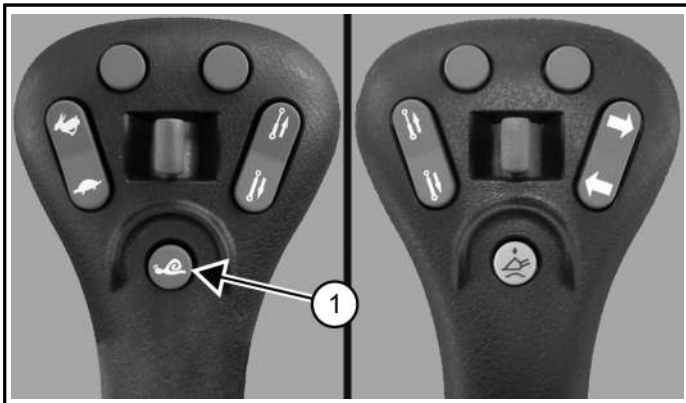
1. Select the [NAVIGATION HANDLE] icon (Item 1) [Figure 66].
2. Select [SETTINGS] (Item 2) [Figure 66].

Figure 96



6. Use the slider bar [Figure 96] to adjust to desired default setting.

Figure 97



7. Press and hold the button (Item 1) [Figure 97] on the left joystick for several seconds to save the default setting.

When speed management is first engaged the next time the machine is started, the percentage you saved is the new default setting. Speed management can still be adjusted from 1% to 99% of standard travel speed.

The default setting can be changed any time the operator chooses and is saved for each operator.

8. Pressing the button (Item 1) [Figure 97] on the left joystick or turning the machine off will disengage speed management and return the machine to standard travel speed.

DRIVE RESPONSE

Drive Response Description

Drive response changes how responsive (more or less) the loaders drive and steering systems are when the operator moves the joystick(s).

Drive response can be changed by the operator for different drive response preferences, various job conditions, and attachment use.

NOTE: Changes to drive response do not affect braking or stopping the machine.

There are three drive response settings:

- **[Drive Response 1]** provides a smooth responsive reaction to joystick movement. (Drive only)
- **[Drive Response 2]** is the default setting and provides a normal responsive reaction to joystick movement. (Drive only)
- **[Drive Response 3]** provides a quick responsive reaction to joystick movement. (Drive only)

Adjusting Drive Response

Figure 98



1. Select the **[NAVIGATION HANDLE]** icon (Item 1) [Figure 98].
2. Select **[SETTINGS]** (Item 2) [Figure 98].

Operating Rear Auxiliary Hydraulics

Figure 127



1. If equipped with rear auxiliary hydraulics, press the auxiliary hydraulics button (Item 1) [Figure 127] on the right control panel once to activate auxiliary hydraulics.

The left LED in the button will light.

Figure 128

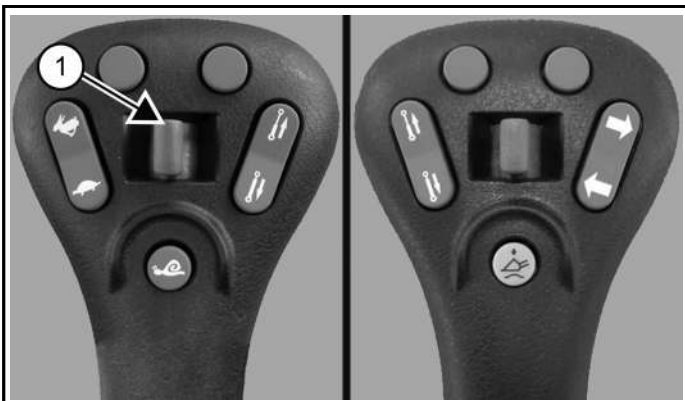


Figure 129



2. Move the rear auxiliary hydraulic switch (Item 1) [Figure 128] to the right or left to change direction of the auxiliary hydraulic fluid flow to the rear quick couplers (Item 1) [Figure 129]. (Left side shown.)
3. Release the switch to stop fluid flow.

Loaders Without High-Flow Hydraulics

- To deactivate the auxiliary hydraulics, press the auxiliary hydraulics button again. All LEDs are off.

Loaders With High-Flow Hydraulics

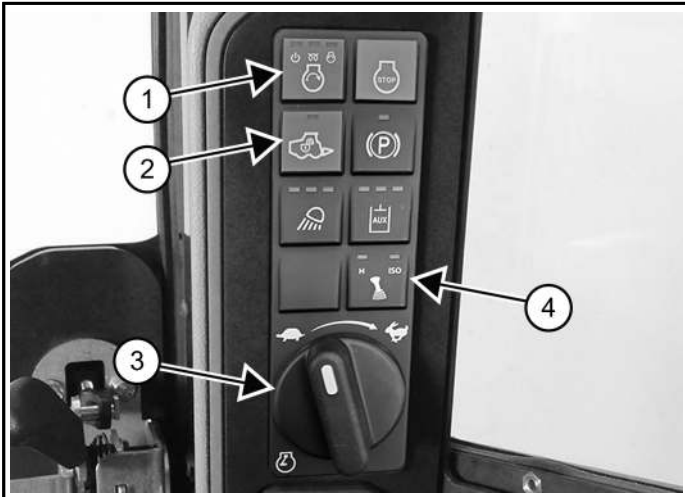
- To deactivate the auxiliary hydraulics, press the auxiliary hydraulics button two times. All LEDs are off.

NOTE: When the operator is seated and raises the seat bar, the auxiliary hydraulic system (Front and Rear) will deactivate.

Operating High-Flow Auxiliary Hydraulics

This machine may be equipped with high-flow auxiliary hydraulics. The high-flow function provides additional hydraulic fluid flow to the system to operate an attachment that requires more hydraulic flow.

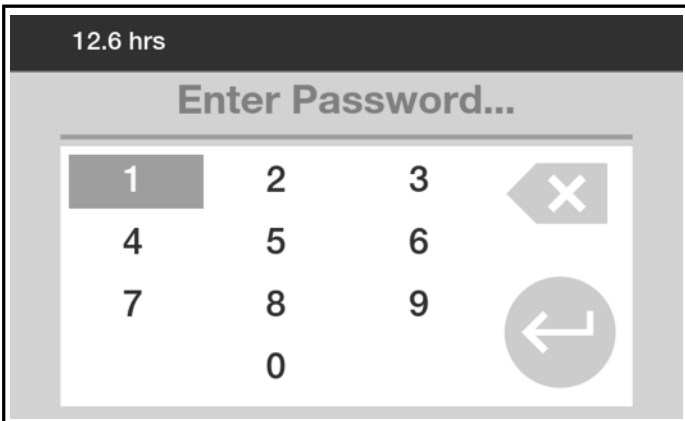
Figure 152



2. Set the engine speed control (Item 3) [Figure 152] to the low idle position.
3. Press the run button (Item 1) [Figure 152] or turn the key switch to run. (See Keyed Ignition on Page 49) The left LED in the run button will light.

If the machine has been off longer than the sleep time setting, one of three splash screens will appear on the display.
(See Quick Start Description on Page 96)

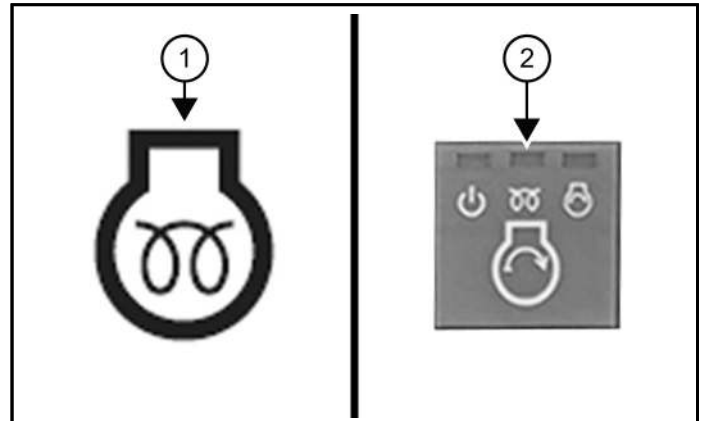
Figure 153



4. Use the numeric keypad [Figure 153] to enter the password if the machine lockout feature is not activated. (See Security Settings on Page 186) or (See Security Settings on Page 201)

NOTE: Loaders have a permanent, randomly generated master password set at the factory. Your machine will also be assigned an owner password. Your dealer will provide you with this password. Change the owner password to one that you will easily remember to prevent unauthorised use of your machine.
(See Security Settings (Manage Operators) on Page 186) or
(See Edit Operator on Page 203) Keep your password in a safe location for future needs.

Figure 154



The machine will cycle the glow plugs automatically based on temperature. The engine preheat icon (Item 1) will show on the display and the middle LED in the run button (Item 2) [Figure 154] will light while the glow plugs are on.

NOTE: It is recommended in cold weather to cycle the glow plugs twice before attempting to start the engine. This will allow for additional heating time for cold weather starting.

5. When the engine preheat icon turns off, press the start button (Item 1) [Figure 152] or turn the key to the start position. The right LED in the run button will light while the starter is operating. Release the button or key when the engine starts.

The engine controller will run the engine at a slightly lower idle speed while checking engine systems and temperatures at startup.

The engine controller may override the operator engine speed control setting and restrict the idle speed.

The alarm will beep two times when the engine controller is no longer overriding engine speed.

Engine speed will return to normal low idle or slowly increase to the operator engine speed control setting.

The engine speed control may remain overridden during cold temperatures.
(See Cold Temperature Engine Speed Control Description on Page 98)

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INSTALLING AND REMOVING ATTACHMENTS (POWER BOB-TACH SYSTEM)

This machine may be equipped with a Power Bob-Tach system. The Power Bob-Tach system is used for fast changing of buckets and attachments. See the appropriate attachment Operation & Maintenance Manual to install other attachments.

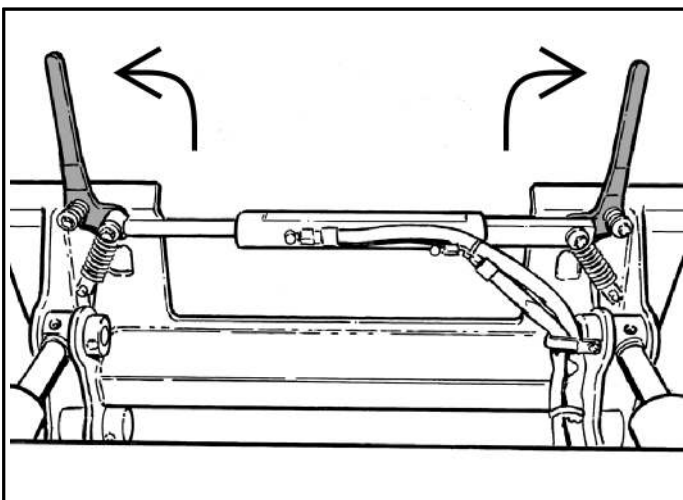
Installing Attachments

1. Enter the machine and perform the PRE-STARTING PROCEDURE.
(See Pre-Starting Procedure on Page 93)
2. Start the engine.
3. Press the operate button
4. Release the parking brake.
5. Lower the lift arms and tilt the Bob-Tach frame forward.

Figure 174

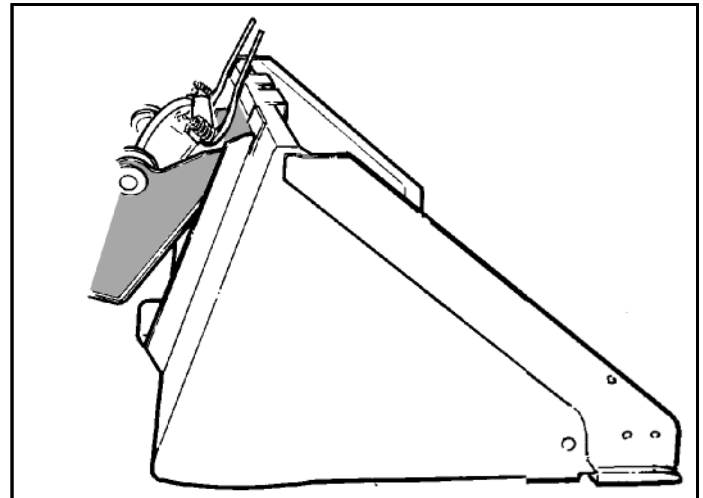


Figure 175



6. Push and hold Bob-Tach Wedges Up button (Item 1) [Figure 174] on the left control panel until levers are fully raised (wedges fully raised) [Figure 175].

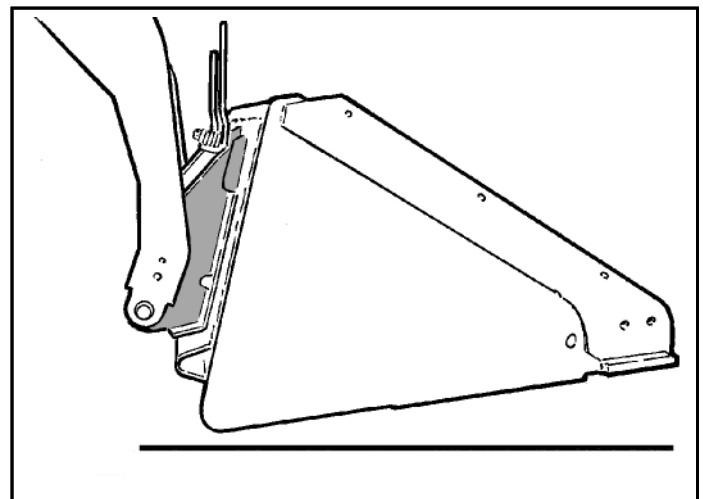
Figure 176



7. Drive the machine slowly forward until the top edge of the Bob-Tach frame is completely under the top flange of the bucket mounting frame [Figure 176] (or other attachment).

NOTE: Be sure the Bob-Tach levers do not hit the attachment.

Figure 177



8. Tilt the Bob-Tach frame backward until the cutting edge of the bucket (or other attachment) is slightly off the ground [Figure 177].

This procedure will cause the bucket mounting frame to fit up against the front of the Bob-Tach frame.

MAINTENANCE SAFETY WARNINGS



- Never service the Bobcat machine without instructions. 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.

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.

LIFT ARM SUPPORT

Lift Arm Support Description

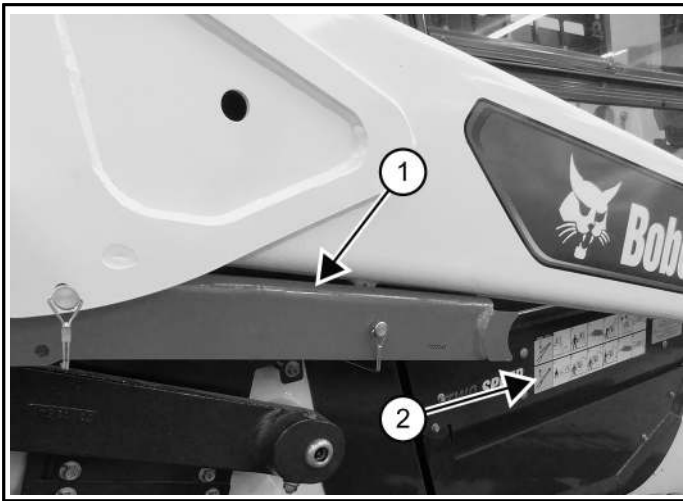
⚠ DANGER

CRUSHING HAZARD

Failure to use an approved lift arm support or using a damaged lift arm support can allow the lift arms or attachment to fall and cause serious injury or death.

- Never work on machine with the lift arms up unless the lift arms are secured by an approved lift arm support.
- Service or replace lift arm support if damaged or if parts are missing. ◀

Figure 212



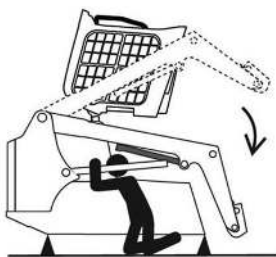
The lift arm support (Item 1) [Figure 212] is used to support the lift arms while working on a machine with the lift arms up.

A decal (Item 2) [Figure 212] located on the right side of the operator cab provides instructions for installing and removing the lift arm support.

The procedures are described in more detail on the following pages.
(See Installing Lift Arm Support on Page 127) and
(See Removing Lift Arm Support on Page 128) .

Installing Lift Arm Support

⚠ DANGER



CRUSHING HAZARD

Avoid death due to lift arm movement.

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

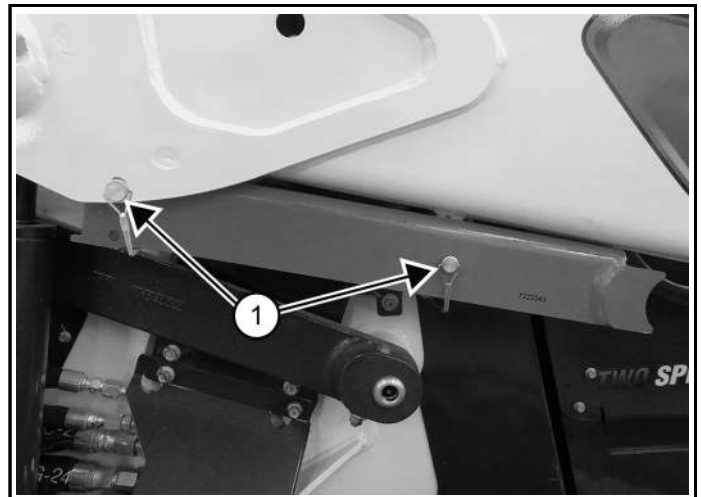
1. Remove attachment from the machine.
(See Removing Attachments on Page 106) or
(See Removing Attachments on Page 109) .

Figure 213



2. Put jackstands under the rear of the machine frame [Figure 213].

Figure 214



3. Remove the pins (Item 1) [Figure 214] to remove the lift arm support from the storage position.

The operator must stay in the operator seat with the seat belt fastened and the seat bar lowered until the lift arm support is installed.

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

Cleaning Air Conditioning Condenser

The condenser should be cleaned with the radiator cooling package.
(See Cleaning Engine Cooling System on Page 147)

Lubricating Air Conditioning System

The air conditioning should be operated for approximately 5 minutes every week to lubricate the internal components.

Troubleshooting HVAC System

If the fan does not operate or the air conditioning does not turn on, check the fuse.
(See Operator Cab Fuse Panel on Page 151) The refrigerant may need to be recharged if the air conditioning system circulates warm air.

ENGINE AIR CLEANER

Replacing Engine Air Filter Element (Outer)

See the SERVICE SCHEDULE for the correct service interval. (See Service Schedule on Page 119)

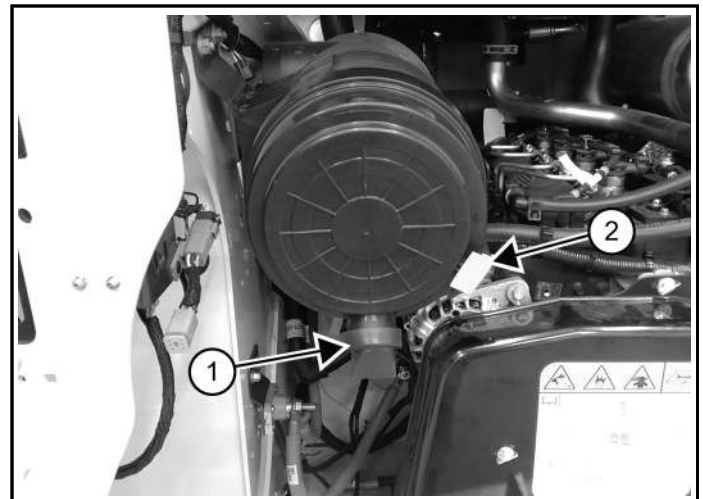
Replace the inner filter every second time the outer filter is replaced.

NOTE: Prolonged operation with an active air filter plugged code can cause severe engine component damage.

NOTE: Prolonged operation with an active air filter plugged code will cause the engine to derate (torque and rpm reduction).

1. Stop the engine.
2. Open the rear door.

Figure 243



3. Pull the tab (Item 2) [Figure 243] to unlock the cover.
4. Rotate the cover anticlockwise a small amount to remove.

ENGINE COOLING SYSTEM

Cleaning Engine Cooling System

See the SERVICE SCHEDULE for the correct service interval. (See Service Schedule on Page 119)

1. Stop the engine.

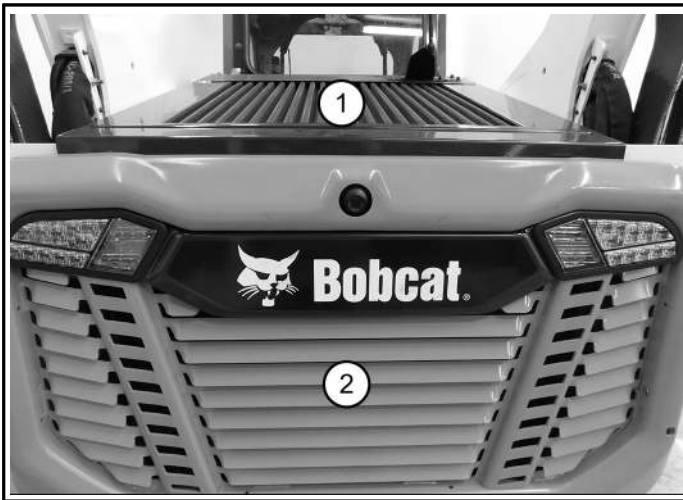
⚠ WARNING

IMPACT AND INJECTION HAZARDS
 Flying debris or pressurised fluids can cause serious injury or death.
 Wear safety glasses to prevent eye injury when any of the following conditions exist:

- When fluids are under pressure.
- Flying debris or loose material.
- Engine is running.
- Tools are being used. ◀

W-2019

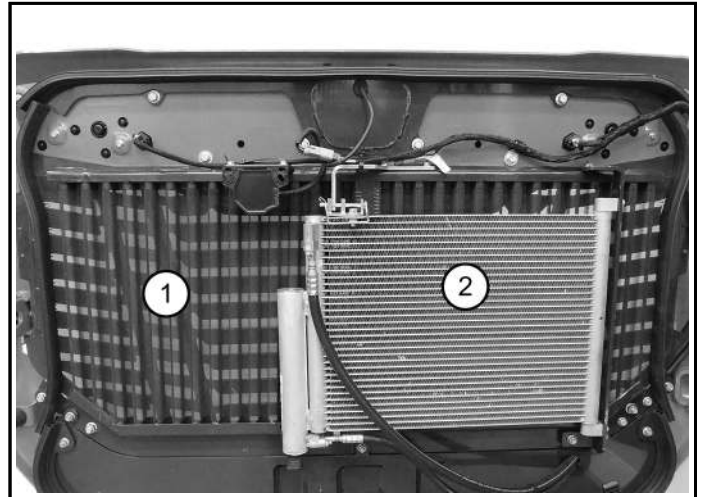
Figure 263



P2002008

2. Use low air pressure or low water pressure to clean the top of the rear grille (Item 1) [Figure 263].
3. Use low air pressure or low water pressure to clean the outside grille of the rear door (Item 2) [Figure 263].
4. Open the rear door.

Figure 264

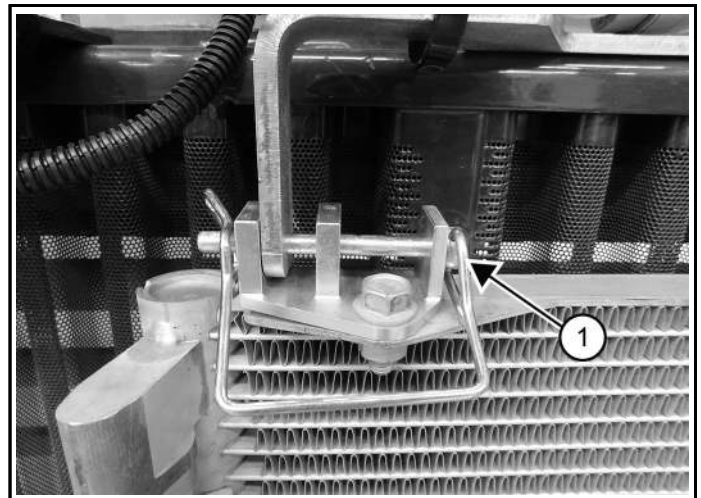


C2002058

5. Use low air pressure or low water pressure to clean the inside grille of the rear door (Item 1) [Figure 264].
6. Use low air pressure or low water pressure to clean the air conditioning condenser (Item 2) [Figure 264], if equipped.

The condenser can be swung open to allow greater access for cleaning the area between the rear door and the condenser.

Figure 265

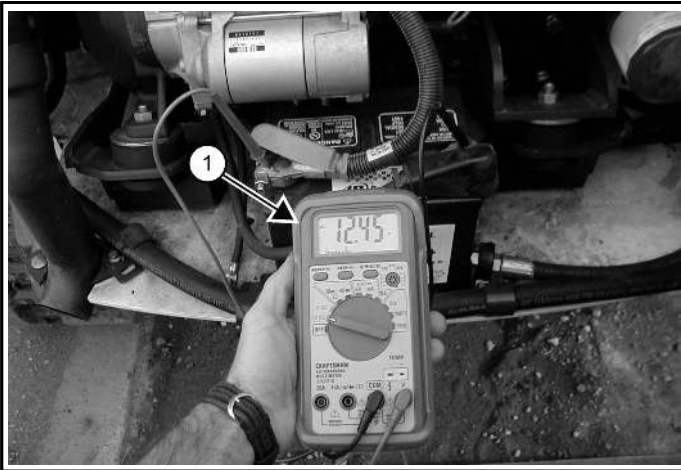


P200280A

7. Remove the pin (Item 1) [Figure 265] at the top of the condenser.

Testing The Battery

Figure 282



The simplest and most common check to determine battery state of charge is to use a digital multimeter or voltmeter (Item 1) [Figure 282].

A battery found below 12.4 volts must be charged to 100% charge per the battery charger's recommendation. Allow at least 60 minutes after operating the machine or charging the battery to get an accurate reading.

If the reading is less than 12.4 volts after the battery has been charged for several hours, see your Bobcat dealer to have a more thorough battery test performed.

The freezing point of battery electrolyte is dependent on the battery state of charge. Keeping the battery voltage above 12.4 volts will help prevent batteries from freezing, even at extremely low temperatures.

If the battery freezes, the internal grid may be damaged and the case will be distorted or cracked. If this happens, dispose of the battery according to local regulations.

Battery Charging

A battery charger designed for 12 volt charging systems is recommended. Follow the battery charger manufacturer's instructions to charge the battery to 12.6 volts (100% charge). Batteries should be charged at room temperature to avoid an undercharge or overcharge condition. Never attempt to charge a frozen battery.

The following table can be used to identify the approximate amount of time required to charge a discharged battery. Allow at least 60 minutes after operating the machine or charging the battery to get an accurate reading.

Battery Voltage	State of Charge	Charger Maximum Rate		
		30 Amps	20 Amps	10 Amps
12.6 V	100%	Ready to Use		
12.4 V	75%	0.9 hr	1.3 hr	2.5 hr

Battery Voltage	State of Charge	Charger Maximum Rate		
		30 Amps	20 Amps	10 Amps
12.2 V	50%	1.9 hr	2.7 hr	5.1 hr
12.0 V	25%	2.9 hr	4.3 hr	7.8 hr
11.8 V	0%	4.0 hr	5.7 hr	10.7 hr

NOTE: Use a good quality charger to avoid battery damage from overcharging.

⚠ WARNING

EXPLOSION HAZARD

Battery gas can explode and cause serious injury or death.

- 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 a battery. Never lean over battery while boosting, testing or charging. ◀

W-2068

Using A Booster Battery (Jump Starting)

If the engine will not start without using a booster battery, BE CAREFUL! There must be one person in the operator's seat and one person to connect and disconnect the battery cables.

The key switch must be in the Stop position. The booster battery must be 12 volt.

⚠ WARNING

EXPLOSION HAZARD

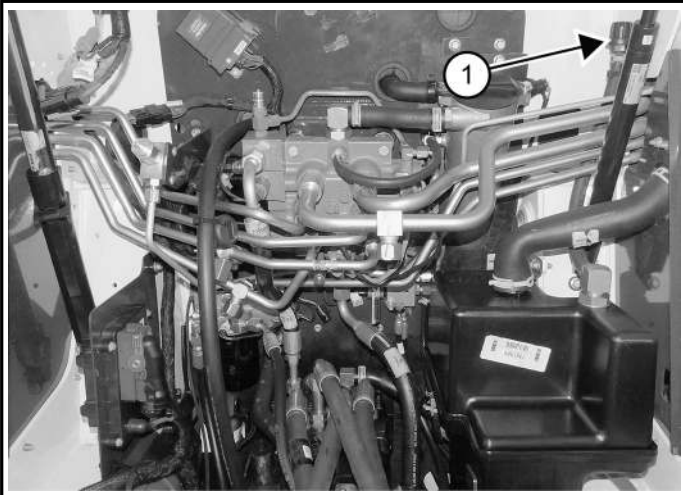
Battery gas can explode and cause serious injury or death.

- 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 a battery. Never lean over battery while boosting, testing or charging. ◀

W-2068

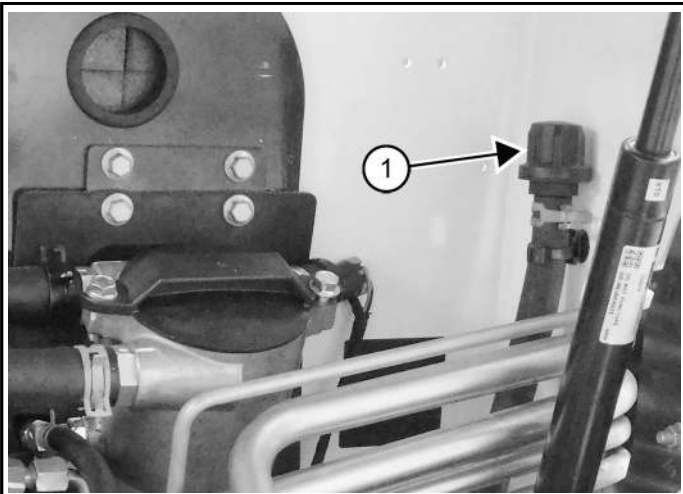
1. Stop the engine.
2. Open the rear door.

Figure 306



3. Locate the vent filter (Item 1) [Figure 306].

Figure 307



4. Remove the vent filter (Item 1) [Figure 307] and discard.
5. Install new vent filter.
6. Lower the operator cab.

DIESEL PARTICULATE FILTER (DPF) SYSTEM

DPF Service Description

The engine exhaust system is equipped with a diesel particulate filter (DPF). The DPF is an emissions reduction device that removes diesel particulate matter (soot) from the exhaust gases of the diesel engine. The DPF will trap and collect the soot until it is burned off. The process of burning off the collected soot is called regeneration.

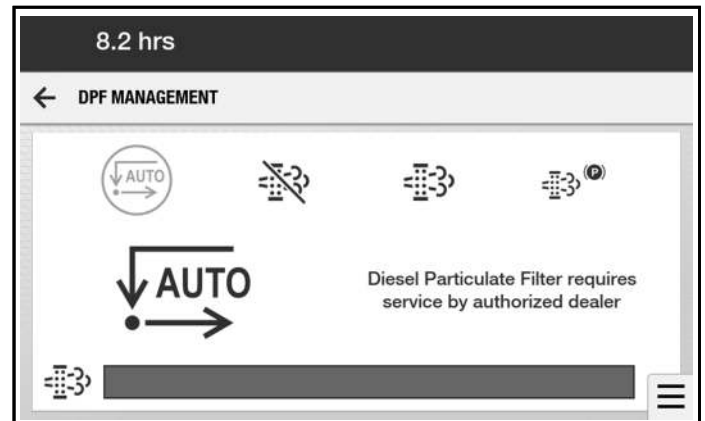
A service regeneration cycle may be required if too much soot is allowed to accumulate in the DPF. This can occur in the following situations:

- The machine is often operated for brief periods (less than 30 minutes) that do not allow sufficient time for the DPF to complete an automatic or operator activated forced regeneration cycle.
- The inhibit mode is used for an extended period of time. This will inhibit the DPF from actively regenerating and burning off the collected soot.

Ash residue will remain after the regeneration process is complete. The ash must be periodically removed from the DPF.

DPF Service Regeneration

Figure 308



The machine will alert the operator when DPF service is required [Figure 308].

Service code "P24A3" "Very High DPF Soot Mass - Service Regen Required" will be accompanied by a severe torque reduction.

Service regeneration requires the use of specialised equipment. See your Bobcat dealer for service regeneration.

DPF Cleaning

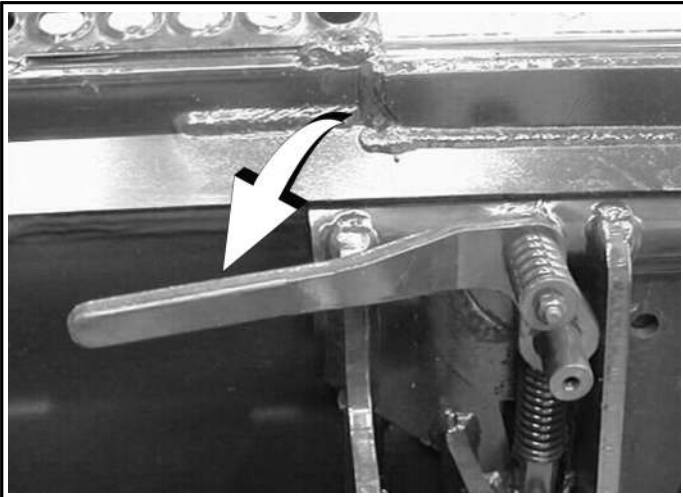
Contact your Bobcat dealer to arrange the cleaning of the DPF when indicated.

REF	DESCRIPTION	QUANTITY
12	Rod End Tilt Cylinder	1 per side
13	Power Bob-Tach Hydraulic Cylinder (If equipped)	1 per side

BOB-TACH (HAND LEVER)

Inspecting And Maintaining Hand-Lever Bob-Tach

Figure 326



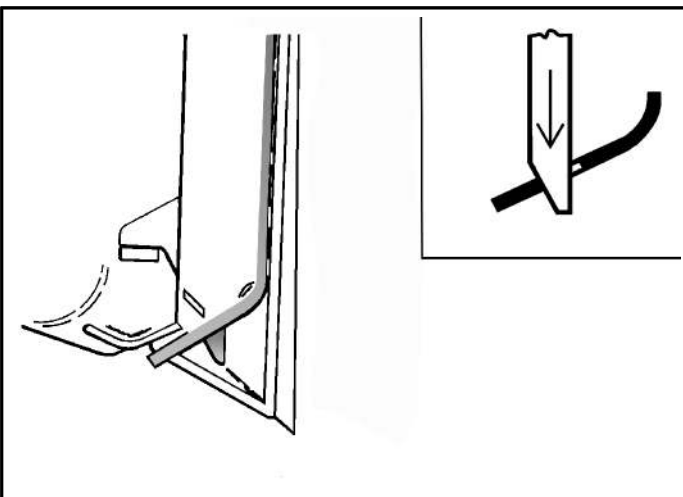
1. Move the Bob-Tach levers down to engage the wedges [Figure 326].

The levers and wedges must move freely.

⚠ WARNING

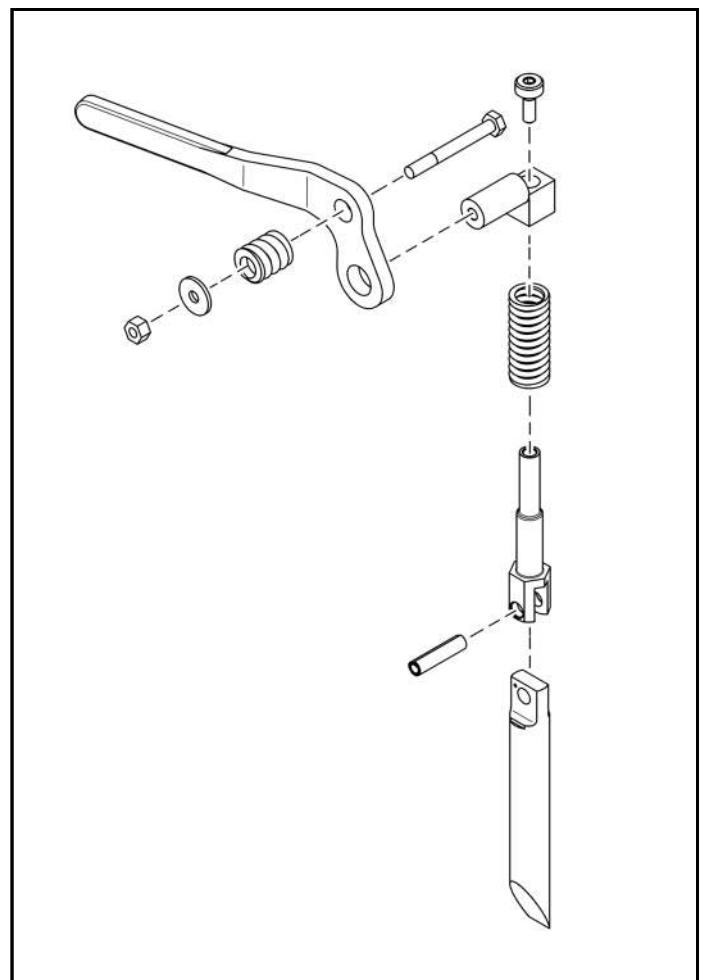
CRUSHING HAZARD
 Failure to secure Bob-Tach wedges can allow attachment to come off and cause serious injury or death. Both wedges must extend through the holes in the attachment mounting frame. Lever(s) must be fully down and locked. ◀

Figure 327



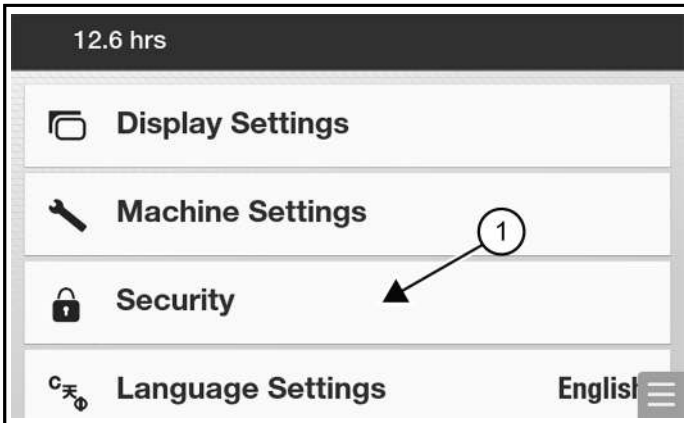
- The wedges (Item 1) [Figure 327] must extend through the holes in the attachment mounting frame.
- The spring loaded wedges (Item 1) must contact the lower edge of the holes in the attachment mounting frame (Item 2) [Figure 327].
- If the wedges do not contact the lower edge of the holes [Figure 327], the attachment will be loose and can come off the Bob-Tach.

Figure 328



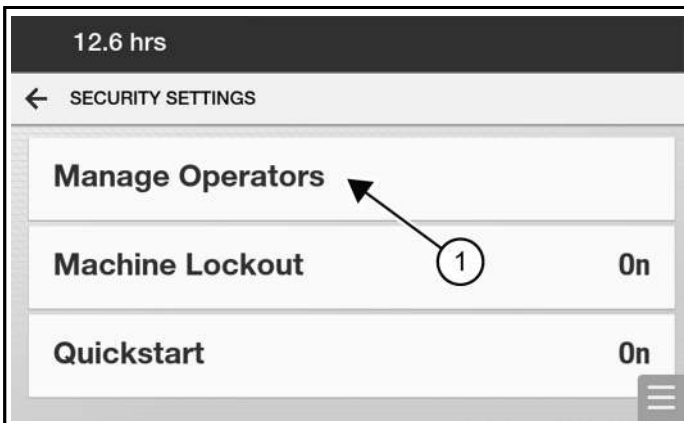
2. Inspect the mounting frame on the attachment and Bob-Tach, linkages, and wedges for excessive wear or damage [Figure 328].
3. Replace any parts that are damaged, bent, or missing.
4. Keep all fasteners tight.

Figure 356



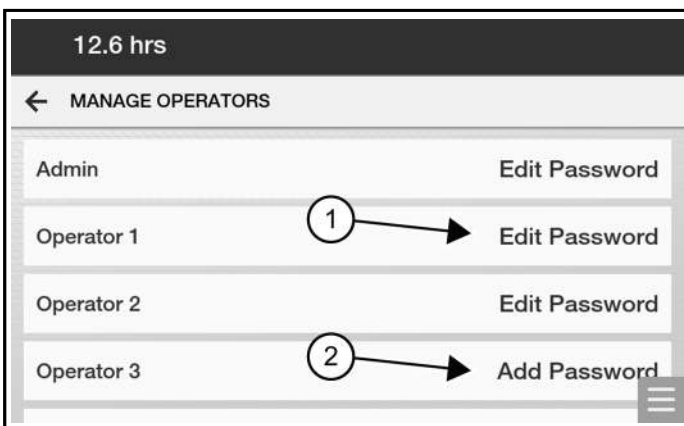
3. Select **[SECURITY]** (Item 1) [Figure 356].

Figure 357



4. Select **[MANAGE OPERATORS]** (Item 1) [Figure 357].

Figure 358



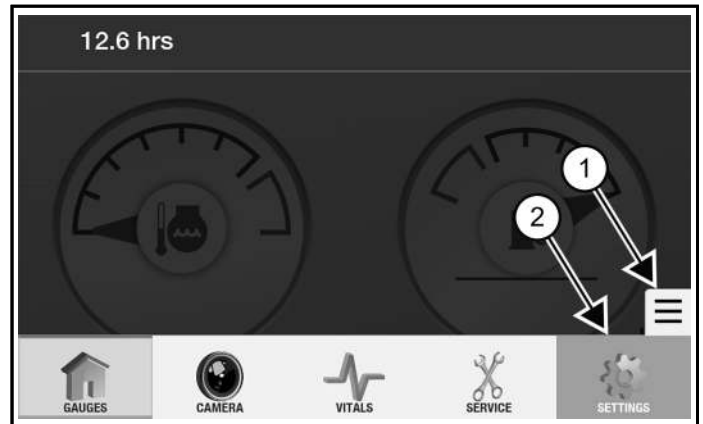
5. Select **[ADD PASSWORD]** (Item 2) [Figure 358] to enter a new operator.

A maximum of four operators can be assigned.

6. Select **[EDIT PASSWORD]** (Item 1) [Figure 358] to change a password.

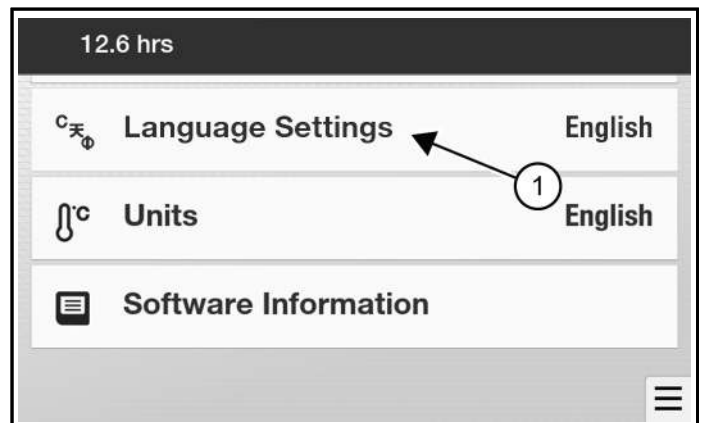
Language Settings

Figure 359



1. Select the **[NAVIGATION HANDLE]** icon (Item 1) [Figure 359].
2. Select **[SETTINGS]** (Item 2) [Figure 359].

Figure 360



3. Select **[LANGUAGE SETTINGS]** (Item 1) [Figure 360].

ATTACHMENTS (TOUCH DISPLAY)

Attachment Information

The display has basic operating information and helpful tips for many attachments.

Refer to the attachment list for approved attachments for this machine.
(See Features, Accessories, And Attachments on Page 16)

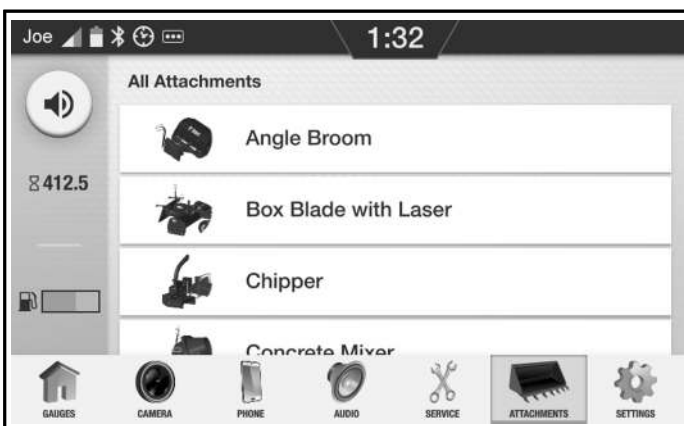
Always read and understand your attachment Operation & Maintenance Manual before using attachments.

Figure 396



1. Select [ATTACHMENTS] (Item 1) [Figure 396].

Figure 397



2. Scroll up or down and select the desired attachment [Figure 397].

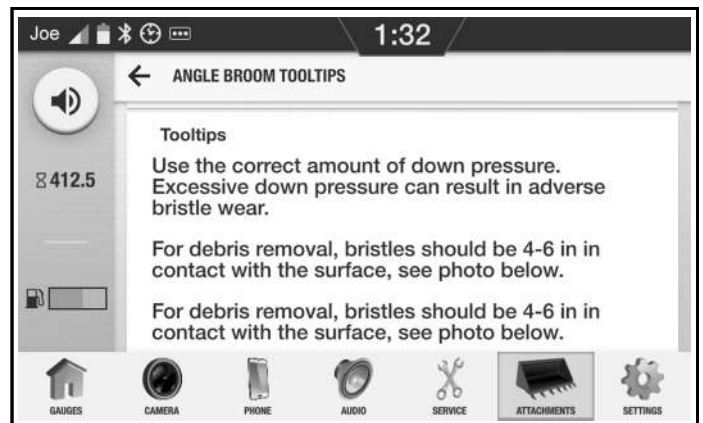
Figure 398



The basic control information for the attachment is shown [Figure 398].

3. Some attachments have more than one operating instruction. Select the [LEFT] or [RIGHT] arrow icons to view the additional instructions [Figure 398].

Figure 399



4. Scroll down to read the Tooltips for efficient use of the attachment [Figure 399].

2. Scroll down and select **[LANGUAGE SETTINGS]** (Item 1) [Figure 445].

Figure 446



3. The current language is identified by a check mark icon (Item 1) [Figure 446].
4. Scroll up or down and select the desired language. The selected language will take effect immediately and is set for each operator.

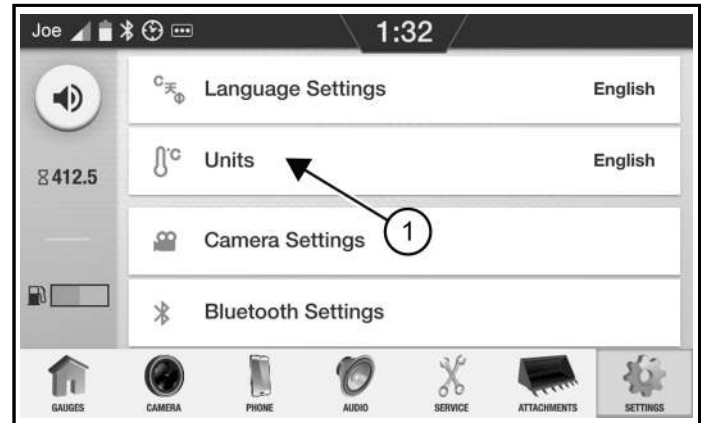
Units

Figure 447



1. Select **[SETTINGS]** (Item 1) [Figure 447].

Figure 448



2. Scroll down and select **[UNITS]** (Item 1) [Figure 448] to toggle between English and Metric.

Camera Settings

(See Camera Settings on Page 191)

Bluetooth Settings

See your Touch Display User Guide for more information about phone settings.

Audio Settings

See your Touch Display User Guide for more information about audio settings.

Dealer

Figure 449



1. Select **[SETTINGS]** (Item 1) [Figure 449].

CODE	DESCRIPTION
P1115-FB	Air Intake Temperature Extremely High
P1115-FC	Air Intake Temperature Limiting Performance
P1118	High Engine Coolant Temp
P1120-00	Fuel Filter Plugged
P1121-00	Fuel Filter Derate Level 1
P1122-00	Fuel Filter Derate Level 2
P1125-00	Fuel Filter Extremely Plugged
P1130-97	Fuel Pressure Extremely Low
P1130-9C	Fuel Pressure Low
P1130-F8	Fuel Filter Inlet Pressure Extremely Low
P1130-F9	Fuel Filter Inlet Pressure Low
P1130-FB	Fuel Pressure Derate Level 1
P1131-13	Fuel Filter Inlet Pressure Sensor Open Circuit
P1131-16	Fuel Pressure Out of Range Low
P1131-17	Fuel Pressure Out of Range High
P1134-11	Fuel Lift Pump Short to Earth
P1134-12	Fuel Lift Pump Short to Battery
P1134-13	Fuel Lift Pump Open Circuit
P1134-63	Fuel Lift Pump Protection Time-Out
P113B-7B	Fuel Level Low
P1183	High Fuel Temperature
P1227	Low DEF Tank Temperature Fault
P1230	DEF Tank Level Signal Error
P12E5	EGR Fault - Level 1 Inducement
P12E6	EGR Fault - Level 2 Inducement
P12E7	EGR Fault - Level 3 Inducement
P12E8	EGR Fault - Warning
P12E9	SCR Dosing Interrupted - Level 1 Inducement
P12EA	SCR Dosing Interrupted - Level 2 Inducement
P12EB	SCR Dosing Interrupted - Level 3 Inducement
P12EC	SCR Dosing Interrupted - Warning
P12F2	DEF Quality - Level 1 Inducement
P12F3	DEF Quality - Level 2 Inducement

CODE	DESCRIPTION
P12F4	DEF Quality - Level 3 Inducement
P12F5	DEF Quality - Warning
P12F6	SCR Tampering - Level 1 Inducement
P12F7	SCR Tampering - Level 2 Inducement
P12F8	SCR Tampering - Level 3 Inducement
P12F9	SCR Tampering - Warning
P1303	SCR Fault Repeat Offense - Level 1 Inducement
P1304	SCR Fault Repeat Offense - Level 2 Inducement
P1305	SCR Fault Repeat Offense - Level 3 Inducement
P1450	High DEF Pump Pressure
P1451	Low DEF Pump Pressure
P1452	High DEF Pump Pressure
P1453	DEF Pump Pressure Stabilization Fault
P1454	Low DPF Differential Pressure
P1457	Low DEF Pump Pressure
P1459	DEF Pressure Reduction Fault
P1460	DEF Afterrun Error
P1461	DEF Reverting Valve Pressure Fault
P1522	Low Engine Oil Pressure
P1546	High Turbine Inlet Temperature
P1562	ECU Battery Voltage Low
P1563	ECU Battery Voltage High
P1564	ECU Battery Voltage Extremely High
P1565	ECU Battery Voltage Extremely Low
P160B	ECU Internal Fault
P160C	ECU Internal Fault
P160D	ECU Internal Fault
P160E	ECU Internal Fault
P160F	ECU Memory Fault
P1610	ECU Internal Fault
P1611	ECU Internal Fault
P1612	ECU Internal Fault
P1613	ECU Internal Fault
P1614	ECU Internal Fault

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