

Our associates will ensure the tool works properly before you leave the store. If you experience issues with the tool while completing your project, simply bring it back to the Tool Rental Center to get a replacement. If you purchase Damage Protection at the time of your rental, you are not responsible for repair costs for tools that break due to normal use.

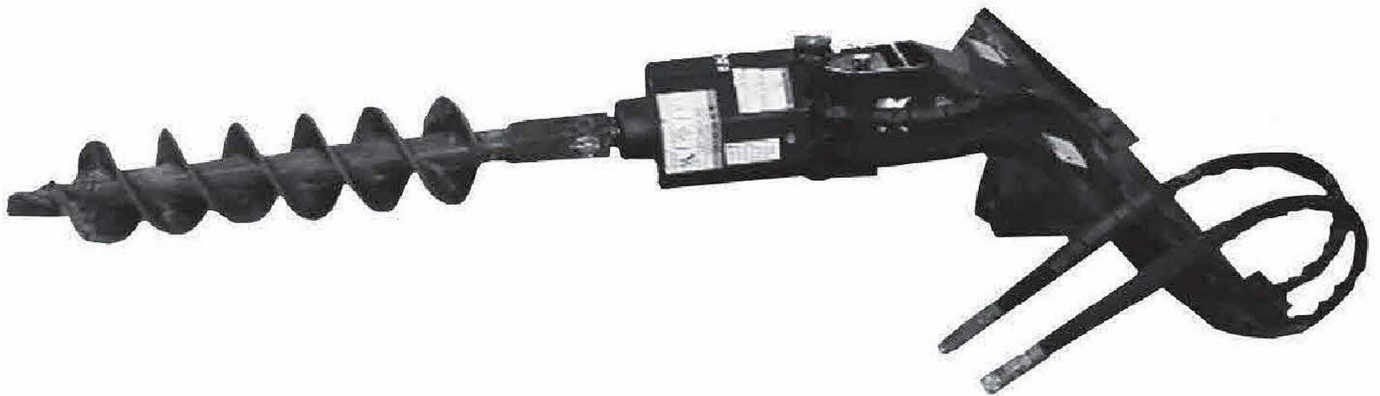




EN

Operation & Maintenance Manual

Direct Drive Auger



10 Auger S/N: 879900101 & Above
15C Auger S/N: 944200101 & Above
15H Auger S/N: A90L00101 & Above
30C Auger S/N: 944500101 & Above
30H Auger S/N: A7ER00101 & Above

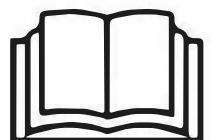
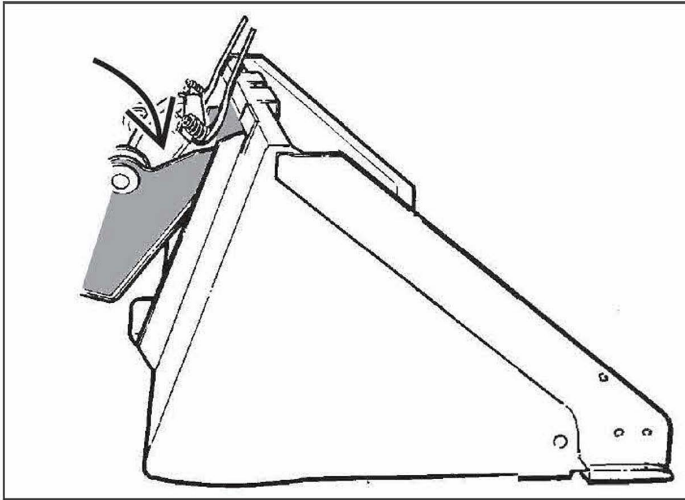




Figure 176



9. Tilt the Bob-Tach attachment mounting system forward and drive the machine backward, away from the attachment [Figure 176].

OPERATING PROCEDURE WITH MINI TRACK LOADER

Approved Mini Track Loaders And Requirements

MINI TRAC-K LOADER MODEL	DIRECT DRIVE AUGER				
	10	15C	15H	30C	30H
MT50	X				
MT52	X				
MT55	X				
MT85	X				
MT100	✓				

X = Approved

The chart shows the approved direct drive auger models for each mini track loader model.

NOTE: MT50, MT52, MT55, and MT85 mini track loaders, the direct drive auger must have the swing stop kit installed and use shorter auger bits (identified by white paint) (See Swing Stop Kit on Page 78)

NOTE: Warranty on this attachment is void if used on a non-approved carrier. See your Bobcat dealer for a current list of approved carriers.

⚠ IMPORTANT

MACHINE DAMAGE HAZARD

Using auger bits not approved by Bobcat will cause damage to the auger casting.

The use of unapproved auger bits will void the warranty on the attachment. See Bobcat for a list of approved auger bits.*

1-2385

⚠ WARNING

MODIFICATION AND INSUFFICIENT INSTRUCTION HAZARD

Use of unapproved attachments or improperly sized attachments can cause serious injury or death. Attachments and buckets for safe loads of specified densities are approved for each model. Never use attachments or buckets which are not approved by Bobcat.*

11-26-02

⚠ WARNING

GENERAL HAZARD

Before you leave the operator's position:
Lower the lift arms, put the attachment flat on the ground.

Stop the engine and engage the parking brake.
Move all pedals, handles, joysticks, and other controls until they are locked or in the neutral position.

See the machine Operation & Maintenance Manual for more information.*

Figure 177



The mini track loader must be equipped with front auxiliary hydraulics [Figure 177].

Machine / Attachment Setup

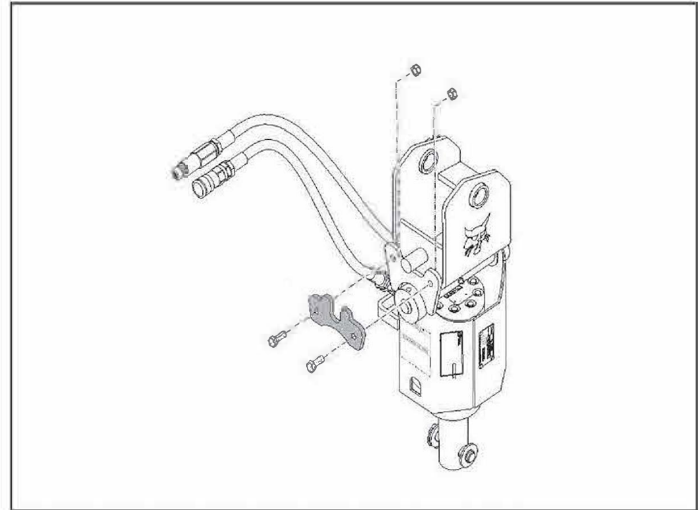
Swing Stop Kit

NOTE: Make sure the decals are clearly visible on the direct drive auger drive.

NOTE: When using the direct drive auger with MT50, MT52 and MT55 mini track loaders, the direct drive auger must have the swing stop kit installed and use shorter auger bits (identified with white paint).

Available for direct drive auger operation with MT50, MT52, MT55, and MT85 Bobcat mini track loaders. Kit includes swing stop, bolts and nuts [Figure 178].

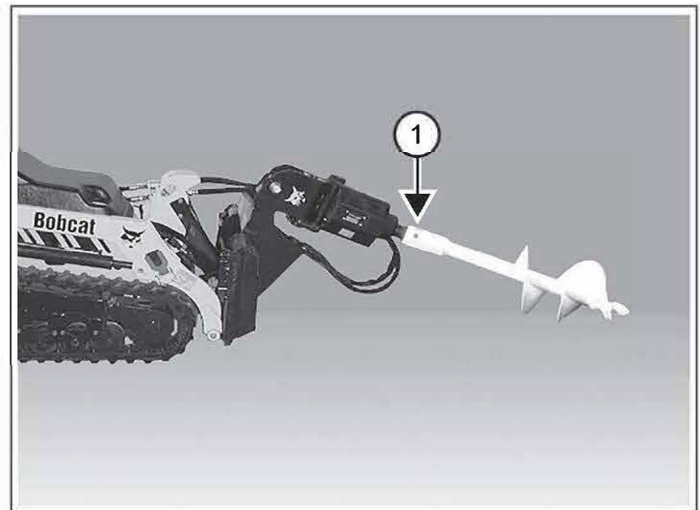
Figure 178



See your Bobcat dealer for available kits for your model mini track loader.

Installing The Auger Bit

Figure 179



1. Install the auger bit on the drive shaft (Item 1) [Figure 179].
2. Install the pin (Item 1) [Figure 179] through the auger bit and the drive shaft.
3. Install the washer and retaining clip.

Entering And Exiting The Operator's Position

Entering The Operator's Position

⚠ WARNING

GENERAL HAZARD

Failure to follow instructions can cause serious injury or death.

When operating the machine:

- Operate only from the operator's position at the rear of the loader.
- Always keep your hands on the controls.
- Stay away from the tracks. ◀

19-2407

⚠ WARNING

UNINTENDED MOVEMENT HAZARD

Attachment movement can cause serious injury or death.

- Movement of the attachment will occur if the lift control is NOT in neutral when the engine is started.
- Always check that all levers are in neutral before starting the engine. ◀

19-2402

⚠ WARNING

GENERAL HAZARD

Failure to follow instructions can cause serious injury or death.

When using the ride-on platform:

- Operate only with feet on platform and hand on controls or grab handles.
- Always look in the direction of travel.
- Make sure swing area is clear of bystanders and objects.
- Avoid drop-offs and obstacles. ◀

19-2400

1. Enter the operator's position at the rear of the mini track loader.
2. Engage the parking brake and place all controls in neutral. (See the mini track loader's Operation & Maintenance Manual for detailed information on operating the mini track loader.)

Exiting The Operator's Position

Figure 180



F201203

1. Stop the mini track loader on level ground [Figure 180].
2. Lower the lift arms and put the attachment flat on the ground.
3. Disengage the auxiliary hydraulics.
4. Engage the parking brake and stop the engine.
5. Remove the key to prevent operation of the mini track loader by unauthorized personnel.
6. Leave the operator's position.

⚠ WARNING

GENERAL HAZARD

Before you leave the operator's position: Lower the lift arms, put the attachment flat on the ground.

Stop the engine and engage the parking brake. Move all pedals, handles, joysticks, and other controls until they are locked or in the neutral position.

See the machine Operation & Maintenance Manual for more information. ◀

19-2122

Installing The Attachment

Installing With Hand Lever Bob-Tach

The illustrations and instructions provided explain how to install an attachment on to a machine equipped with a hand lever Bob-Tach attachment mounting system. Follow these same instructions if you are installing different attachments such as a grapple, tiller, combo bucket, etc.

The attachment mounting frame for the attachment has a top flange that is designed to receive the top edge of the Bob-Tach attachment mounting system and the lower part of the frame is designed to receive the Bob-Tach attachment mounting system wedges.

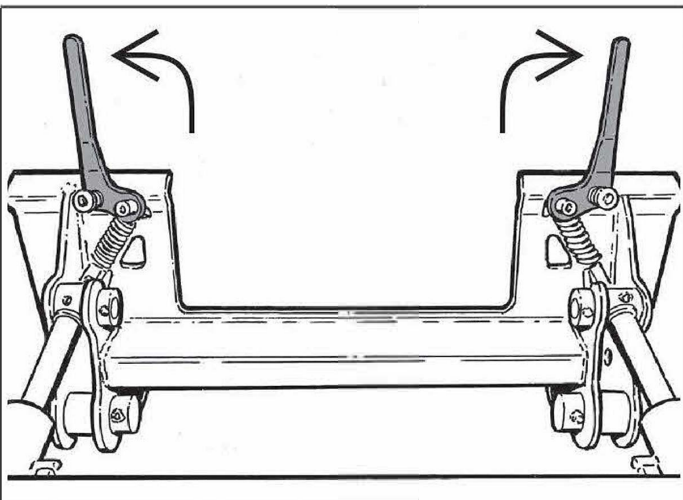
⚠ WARNING

GENERAL HAZARD

Failure to obey warnings can cause serious injury or death. Obey all warnings on the machine and in the manuals. *

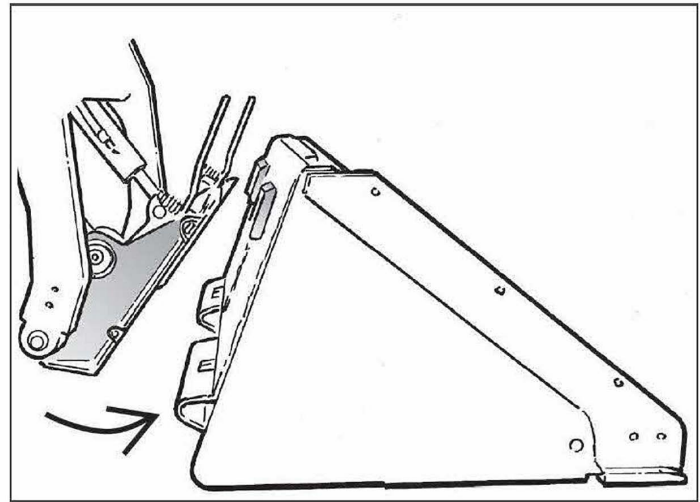
1. Always inspect the mini track loader's Bob-Tach attachment mounting system and the attachment mounting frame before installation. (See the mini track loader's Operation & Maintenance Manual.) (See Daily Inspection on Page 18)

Figure 181



2. Pull the Bob-Tach attachment mounting system levers up until they are fully raised (wedges fully raised) [Figure 181].
3. Move to the operator's position.
4. Start the engine and release the parking brake.
5. Lower the lift arms and tilt the Bob-Tach attachment mounting system forward.

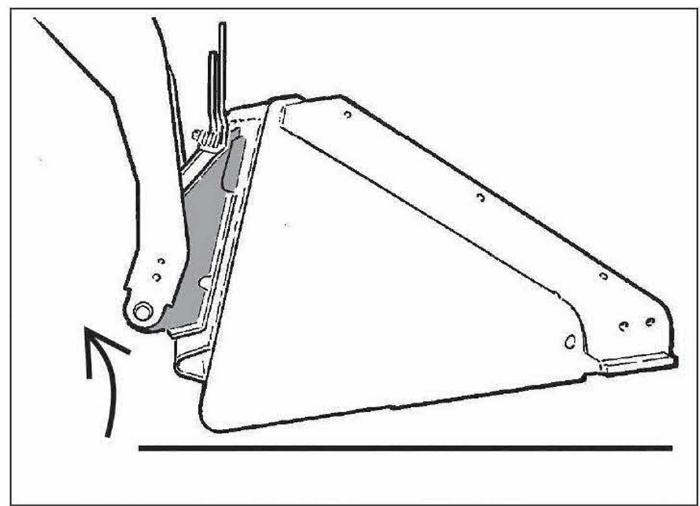
Figure 182



6. Drive the mini track loader slowly forward until the top edge of the Bob-Tach attachment mounting system is completely under the top flange of the attachment mounting frame [Figure 182].

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

Figure 183



7. Tilt the Bob-Tach attachment mounting system backward until the attachment is slightly off the ground [Figure 183]. This will cause the attachment mounting frame to fit up against the front of the Bob-Tach attachment mounting system.

NOTE: When leaving the operator's position to install an attachment, tilt the attachment until it is slightly off the ground.

⚠ WARNING**GENERAL HAZARD**

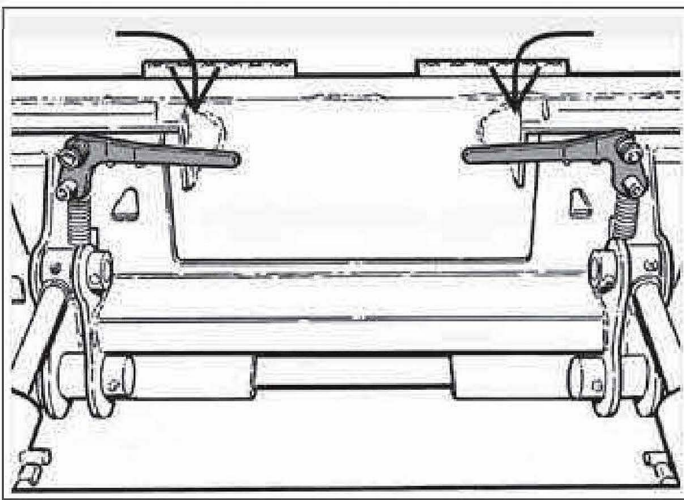
Before you leave the operator's position:
Lower the lift arms, put the attachment flat on the ground.

Stop the engine and engage the parking brake.
Move all pedals, handles, joysticks, and other controls until they are locked or in the neutral position.

See the machine Operation & Maintenance Manual for more information.*

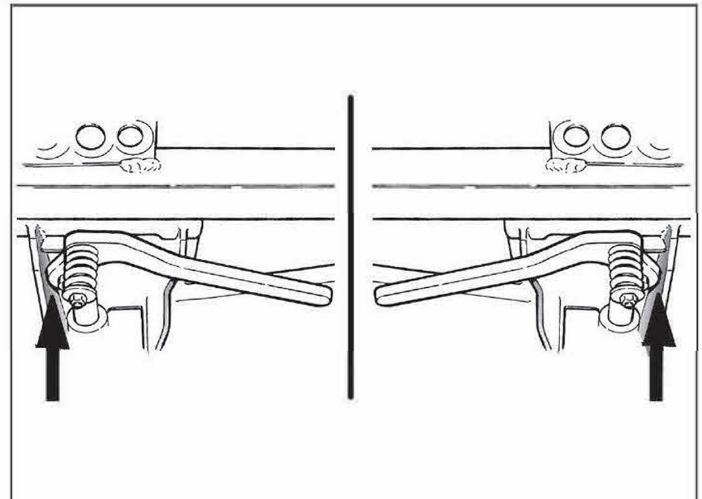
- Engage the parking brake, stop the engine, and leave the operator's position.

Figure 184



- Push down on the Bob-Tach attachment mounting system levers until they are fully engaged in the locked position [Figure 184] (wedges fully extended through the attachment mounting frame holes).

Figure 185



Both levers must contact the frame as shown when locked [Figure 185].

If both levers do not engage in the locked position, see your Bobcat dealer for maintenance.

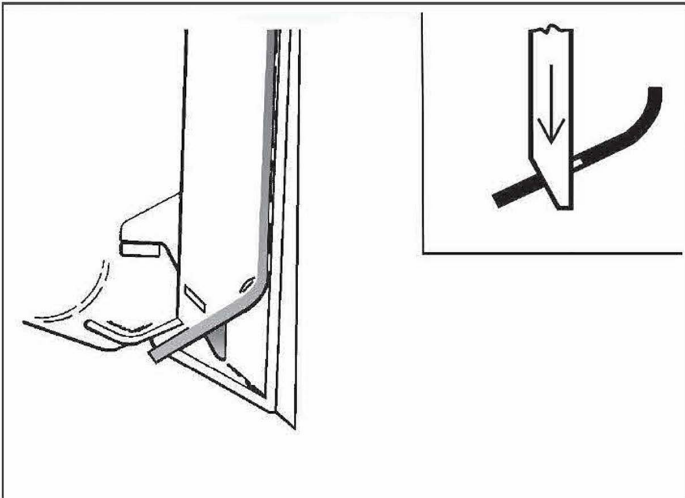
⚠ WARNING

CRUSHING HAZARD

Failure to secure Bob-Tach attachment mounting system 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.*

W-202

Figure 186



BA348A

The wedges must extend through the holes in the attachment mounting frame, securely fastening the attachment to the Bob-Tach attachment mounting system [Figure 186].

10. Connect auxiliary hydraulic hoses.

Installing With The Common Industry Interface (CII)

NOTE: The illustrations and instructions provided explain how to install a bucket attachment on to a mini track loader. Follow these same instructions if you are installing different attachments such as a grapple, tiller, combo bucket, etc.

NOTE: The attachment mounting frame for the attachment has a top flange that is designed to receive the top edge of the Common Industry Interface and the lower part of the frame is designed to receive the locking pin.

⚠ WARNING

GENERAL HAZARD

Failure to obey warnings can cause serious injury or death. Obey all warnings on the machine and in the manuals.*

W-214

Always inspect the loader's Common Industry Interface and the attachment mounting frame before installation. See the loader's Operation & Maintenance Manual. (See Daily Inspection on Page 18)

⚠ WARNING

GENERAL HAZARD

Failure to follow instructions can cause serious injury or death.

Before you leave the operator's position at the rear of the loader:

- Lower lift arms and put attachment flat on ground.
- Disengage auxiliary hydraulic system.
- Engage parking brake.
- Stop engine. Remove key.*

W-2416

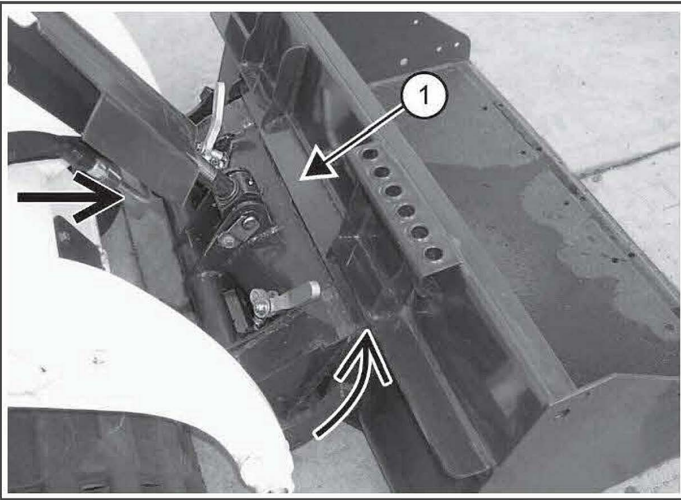
Figure 187



P 124033a

1. Pull the CII locking pin levers up until they are fully raised [Figure 187].
2. Move to the operator position at the rear of the machine.
3. Start the engine, and release the parking brake.
4. Lower the lift arms and tilt the CII forward.

Figure 188



5. Drive the loader slowly forward until the top edge of the CII is completely under the top flange of the attachment mounting frame (Item 1) [Figure 188]
6. Tilt the CII backward until the attachment is slightly off the ground [Figure 188]. This will cause the attachment mounting frame to fit up against the front of the CII.

NOTE: Before leaving the operator position to install an attachment, tilt the attachment until it is slightly off the ground.

7. Stop the engine and exit the operator position. (See Entering And Exiting The Operator's Position on Page 79)

Figure 189



8. Push down on the CII locking pin levers until they are fully engaged in the locked position [Figure 189] (pins fully extended through the attachment mounting frame holes).

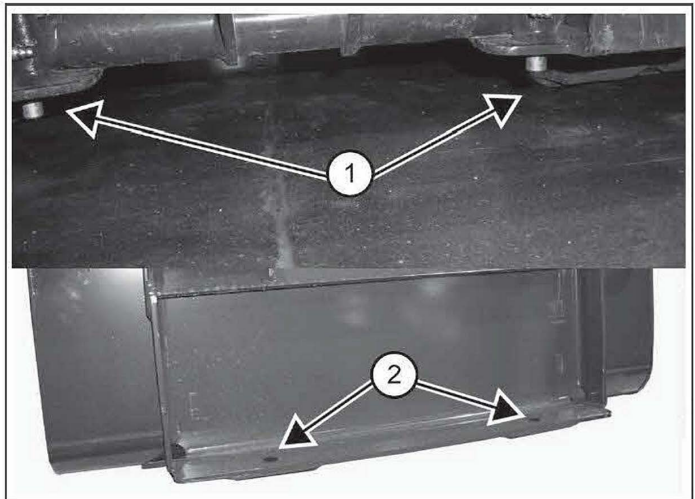
⚠ WARNING

CRUSHING HAZARD

Failure to secure the locking pins can allow attachment to come off and cause serious injury or death.

- Both Common Industry Interface locking pins must extend through the holes in attachment frame.
- Lever must be fully down and locked. ◀

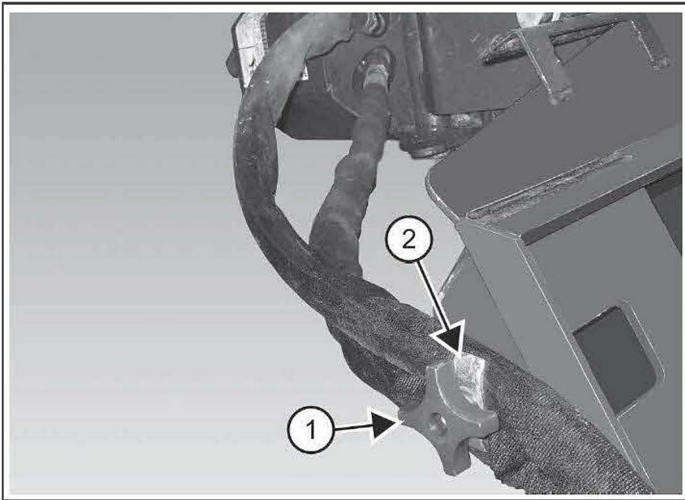
Figure 190



9. The pins (Item 1) must extend through the holes in the attachment mounting frame (Item 2) [Figure 190], securely fastening the attachment to the interface.
10. Connect auxiliary hydraulic hoses (if applicable). (See Hydraulic Quick Couplers on Page 85)

Installing The Auger Hose Clamp

Figure 191



1. Loosen the knob (Item 1) [Figure 191] and clamp until there is adequate space for hydraulic hoses.
2. Place the auger hydraulic hoses between the clamp (Item 2) [Figure 191] and auger mounting frame.

NOTE: Do not pull the auger hydraulic hoses tight. Allow enough free hose for the auger drive to pivot freely.

3. Tighten the knob and clamp against the auger hydraulic hoses.

Connecting The Hydraulic Hoses For The First Time

New attachments and new machines are factory equipped with flush face couplers. If installing an attachment equipped with poppet style couplers, the attachment couplers will have to be changed to match the mini loader. See your Bobcat dealer for parts information.

⚠ IMPORTANT

MACHINE DAMAGE HAZARD

Failure to follow directions may result in machine damage.

Thoroughly clean the quick couplers before making connections. Dirt can quickly damage the system. Contain and dispose of any oil leakage in an environmentally safe manner.*

1. With the machine's engine off and using the hose guides (if equipped), route the attachment hydraulic hoses to the machine.
2. Connect the attachment hydraulic quick couplers to the machine's couplers.

(See Connecting Hydraulic Quick Couplers on Page 85)

3. Check that the attachment hydraulic hoses are not twisted or contacting any moving parts of the machine or attachment.

NOTE: It may be necessary to loosen the quick couplers on the attachment hydraulic hoses to remove any twists in the hose.

⚠ WARNING

IMPACT AND INJECTION HAZARDS

Flying debris or pressurized 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.*

4. Loosen the quick coupler connections on the attachment hydraulic hoses while connected to the machine. Do not remove the quick couplers.
5. Rotate the attachment hydraulic hoses as needed so the hoses are not twisted or contacting any moving parts of the machine or attachment.
6. With the twist(s) removed from the hydraulic hoses, tighten the attachment quick coupler connections while the couplers are still connected to the machine. This will help hold the hydraulic hoses in position while tightening.
7. Tighten the quick coupler connections to the torque specified in the hydraulic connection specifications. (See Hydraulic Connection Specifications on Page 168)
8. Enter the operator's position. (See Entering And Exiting The Operator's Position on Page 79)
9. Start the engine.
10. Press the operate button.
11. Release the parking brake.
12. Engage auxiliary hydraulics.

⚠ WARNING**INJECTION HAZARD**

Pressurized diesel fuel or hydraulic fluid can penetrate skin and eyes, causing serious injury or death.

Fluid leaks under pressure may not be visible. Use a piece of cardboard or wood to find leaks. **DO NOT** use your bare hand. Wear safety goggles. If fluid enters skin or eyes, get immediate medical attention from a doctor familiar with this injury.*

W-207 2

13. Check the attachment hydraulic quick coupler connections for leaks.

Hydraulic Quick Couplers**⚠ IMPORTANT****MACHINE DAMAGE HAZARD**

Failure to follow directions may result in machine damage.

Thoroughly clean the quick couplers before making connections. Dirt can quickly damage the system. Contain and dispose of any oil leakage in an environmentally safe manner.*

1227 1

New attachments and new machines are factory equipped with flush face couplers. If installing an attachment equipped with poppet style couplers, the attachment couplers will have to be changed to match the machine. See your Bobcat dealer for parts information.

NOTE: Make sure the quick couplers are fully engaged. If the quick couplers do not fully engage, check to see that the couplers are the same size and type.

*Connecting Hydraulic Quick Couplers***⚠ WARNING****BURN HAZARD**

Hydraulic fluid, tubes, fittings and quick couplers can get hot when running machine and attachments. Be careful when connecting and disconnecting quick couplers.*

17-220

1. Remove any dirt or debris from the surface of both the male and female couplers, and from the outside diameter of the male coupler.

Figure 192

p-81090

2. Visually check the couplers for corroding, cracking, damage, or excessive wear. If any of these conditions exist, the coupler(s) must be replaced [Figure 192].

3. Install the male coupler into the female coupler.

Full connection is made when the ball release sleeve slides forward on the male coupler.

Check that the attachment hydraulic hoses are not twisted or contacting any moving parts of the machine or attachment. (See Connecting The Hydraulic Hoses For The First Time on Page 84)

Disconnecting Hydraulic Quick Couplers

Always make sure that the oil in the attachment has reached operating temperature prior to disconnecting. Disconnecting the attachment when the oil is cold may result in damage to the system.

1. Relieve hydraulic pressure. (See the machine's Operation & Maintenance Manual and Operator's Handbook for the correct procedure.)
2. Push the couplers together.
3. Retract the sleeve on the female coupler until the couplers disconnect.

Operating The Controls

NOTE: Refer to the mini track loader Operation & Maintenance Manual for a complete description of mini track loader controls.

⚠ WARNING

GENERAL HAZARD

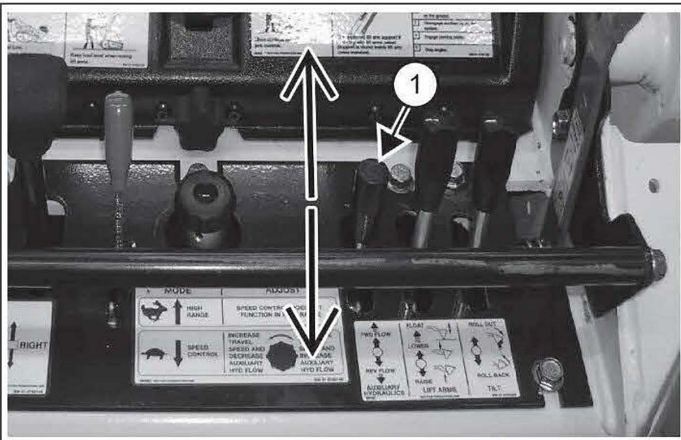
Failure to follow instructions can cause serious injury or death.

When operating the machine:

- Operate only from the operator's position at the rear of the loader.
- Always keep your hands on the controls.
- Stay away from the tracks. ◀

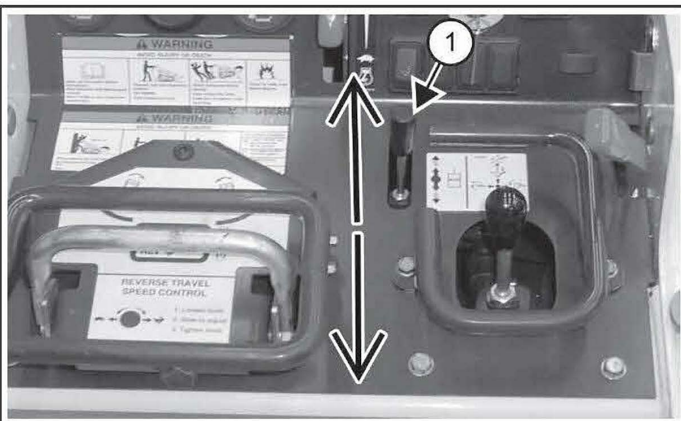
W-2427

Figure 193



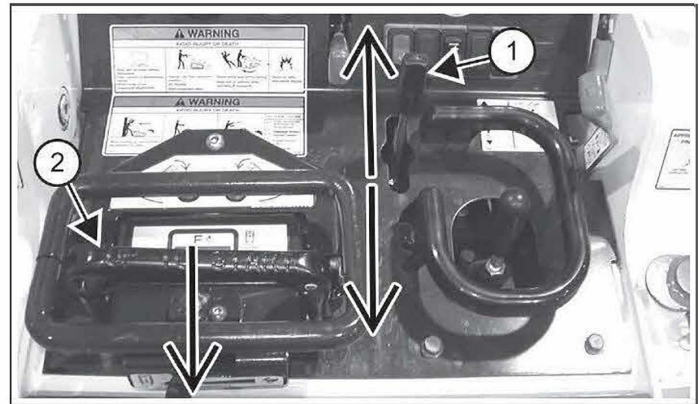
p-31130c

Figure 194



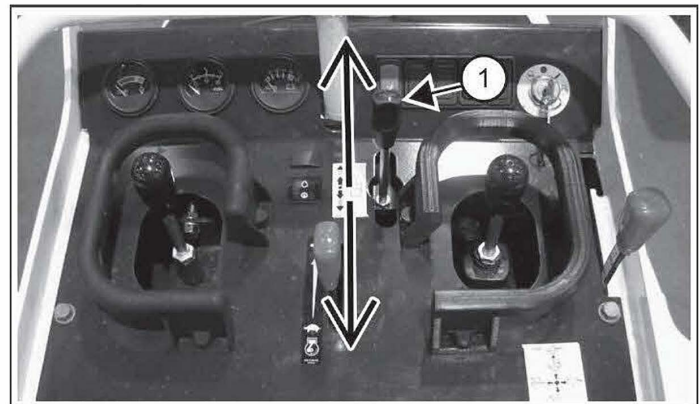
p-43413p

Figure 195



p-81916q

Figure 196



p-116307b

Variable Flow:

- With the operator at the operator's position at the rear of the mini track loader, start the engine.
- Pull the auxiliary hydraulic control lever (Item 1) (MT50) [Figure 193], (MT52 and MT55 Earlier Models) [Figure 194], (MT52 and MT55 Later Models) [Figure 195], and (MT85 and MT100) [Figure 196] back for auxiliary hydraulic oil flow to the front female coupler.

The direct drive auger will rotate in the clockwise direction.

- Push the auxiliary control lever (Item 1) (MT50) [Figure 193], (MT52 and MT55 Earlier Models) [Figure 194], (MT52 and MT55 Later Models) [Figure 195], and (MT85 and MT100) [Figure 196] forward to rotate the auger counterclockwise.
- Move the auxiliary control lever to the NEUTRAL position to disengage the auxiliary hydraulics.