

COURSE HANDBOOK

GROUP EXERCISE TWO ATTACHING THE BACKHOE

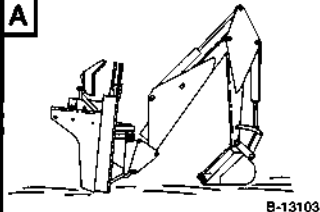
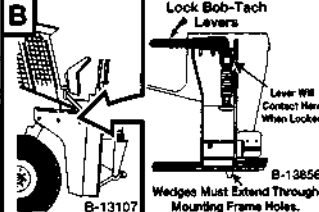
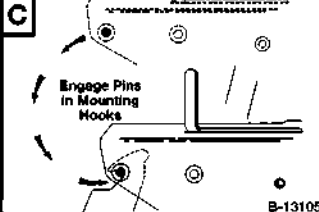
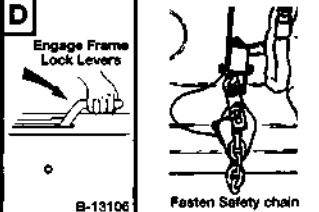
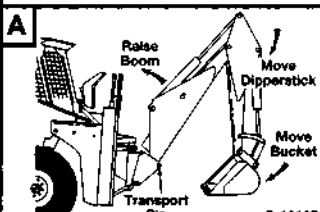
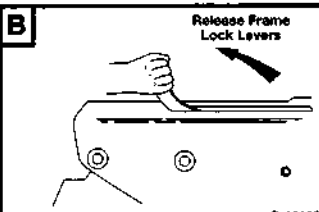
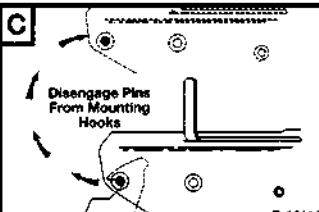
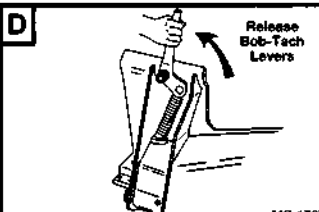
IMPORTANT ISSUES:

Before you attach your backhoe to your loader, observe these precautions:

- Read and understand the Backhoe Operation and Maintenance Manual in its entirety.
- Follow the instructions on all machine safety signs and instructional signs.

⚠ WARNING

To AVOID SERIOUS INJURY OR DEATH, the backhoe must be attached and removed according to the procedures listed on "Attaching and Removing The Backhoe" decal located on the back of the backhoe seat.

ATTACHING AND REMOVING THE BACKHOE			
To Attach The Backhoe			
 <p>B-13103</p>	 <p>Lock Bob-Tach Levers Lever Will Contact Here When Locked Wedges Must Extend Through Mounting Frame Holes. B-13856 B-13107</p>	 <p>Engage Pins in Mounting Hooks B-13105</p>	 <p>Engage Frame Lock Levers Fasten Safety chain B-13106</p>
<ol style="list-style-type: none"> 1. If backhoe is not in the position shown above, see your Operator's Manual. 2. Disengage the Bob-Tach wedges. 3. Lower seat bar and fasten seat belt. Start the engine. 4. Drive the Bobcat forward until the Bob-Tach is in the backhoe mounting frame. 5. Raise the lift arms and tilt the Bob-Tach backward to fully engage the Bob-Tach into the backhoe mounting frame. 	<ol style="list-style-type: none"> 6. STOP THE ENGINE, RELEASE SEAT BELT AND RAISE THE SEAT BAR, MOVE PEDALS UNTIL BOTH PEDALS LOCK. 7. Engage the brake. 8. Lock the Bob-Tach levers. THE BOB-TACH WEDGES MUST EXTEND THROUGH THE HOLES OF THE BACKHOE MOUNTING FRAME. 9. Connect the hydraulic hoses from the backhoe to the auxiliary couplers. 	<ol style="list-style-type: none"> 10. Return to loader seat, lower seat bar and fasten seat belt. 11. Start the engine. 12. Raise the lift arms until the backhoe frame pins are above the mounting hooks. 13. Tilt Bob-Tach completely backward. 14. Lower the lift arms until the backhoe contacts the mounting hooks. 15. Tilt the Bob-Tach forward to engage the backhoe mounting pins in the mounting hooks. 	<ol style="list-style-type: none"> 16. STOP THE ENGINE, RELEASE SEAT BELT AND RAISE SEAT BAR, MOVE PEDALS UNTIL BOTH PEDALS LOCK. 17. Engage the brake. 18. Engage the backhoe frame lock levers to lock the backhoe on the loader. 19. TIGHTEN AND FASTEN SAFETY CHAIN AROUND BOB-TACH AND MOUNTING FRAME. 20. Remove transport lock pin for backhoe operation.
To Remove The Backhoe			
 <p>Raise Boom Move Dipperstick Move Bucket Transport Pin B-13107</p>	 <p>Release Frame Lock Levers B-13108</p>	 <p>Disengage Pins From Mounting Hooks B-13112</p>	 <p>Release Bob-Tach Levers MC-1787</p>
<ol style="list-style-type: none"> 1. Engage the brake. 2. Start the engine and engage the auxiliary hydraulics. Move to the backhoe seat. 3. Raise the backhoe boom and position it to the center of the loader. 4. Position the dipperstick vertically and the bucket cutting edge parallel to the ground. 5. Retract the stabilizers. 6. Stop the engine. Move to the ground. 7. Install the transport pin to lock the boom in place. 	<ol style="list-style-type: none"> 8. Release the backhoe frame lock levers to release the backhoe from the loader. 9. Enter the loader. Lower the seat bar and fasten the seat belt. Start the engine. 	<ol style="list-style-type: none"> 10. Raise the lift arms slightly to remove the backhoe weight from the loader mounting hooks. 11. Tilt the Bob-Tach backward completely. 12. Raise the lift arms until the backhoe frame pins are above the mounting hooks. 13. Tilt the Bob-Tach forward and lower the lift arms until the bucket rests on the ground. 14. STOP THE ENGINE, RELEASE THE SEAT BELT AND RAISE THE SEAT BAR, MOVE PEDALS UNTIL BOTH PEDALS LOCK. 	<ol style="list-style-type: none"> 15. Engage the brake. 16. Disconnect the auxiliary hoses. Connect the hoses to each other. 17. Disconnect safety chain. 18. Release the Bob-Tach levers. 19. Lower the seat bar and fasten the seat belt. 20. Start the engine and release the brake. Tilt Bob-Tach forward, lower boom and move backward from the backhoe mounting frame. <p>SW 97 6714915</p>

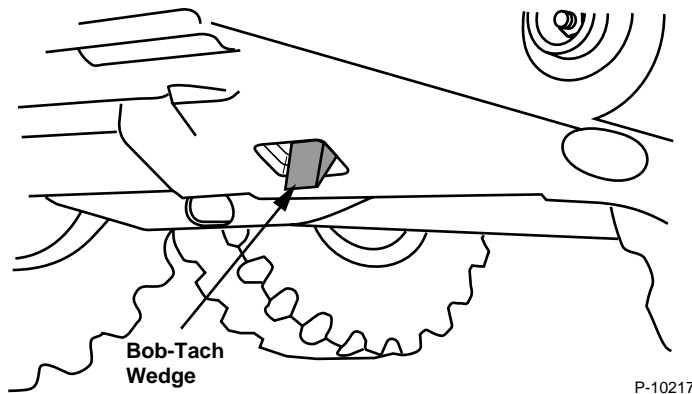
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GROUP EXERCISE TWO ATTACHING THE BACKHOE (Continued)

10. Lock both Bob-Tach levers, all the way down, in the over-center position.

- Each Bob-Tach lever must stop against the side of the Bob-Tach.
- The Bob-Tach wedges must be fully engaged and extend through the holes of the backhoe mounting frame.

You can see the Bob-Tach wedges by standing to the side of the backhoe mounting frame and looking underneath the Bob-Tach.



- The Bob-Tach must be up against the backhoe mounting frame as viewed through the openings in the mounting frame. If the Bob-Tach is not against the mounting frame, the Bob-Tach wedges will not fully engage the square holes in the frame.

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REVIEW/DISCUSSION SESSION

Worksheet (Continued)

If I am done trenching, and I want to leave the loader and backhoe at the jobsite, all I need to do is lower the bucket to the ground, stop the engine, remove the keys, and exit the backhoe? True False Why?

If you leave the backhoe seat latched in the down (normal) position while you attach the backhoe to the loader, no damage will occur to the seat? True False Why?

Explain why daily checkout and maintenance items are key ingredients for safe and efficient operation.

Name two OSHA approved methods for preventing trench cave-ins ?

Explain where the “Attaching and Removing The Backhoe” decal is located.

It is the responsibility of your co-workers and pedestrians to always stay clear of the swing area. True False Why?

