



# Bobcat®

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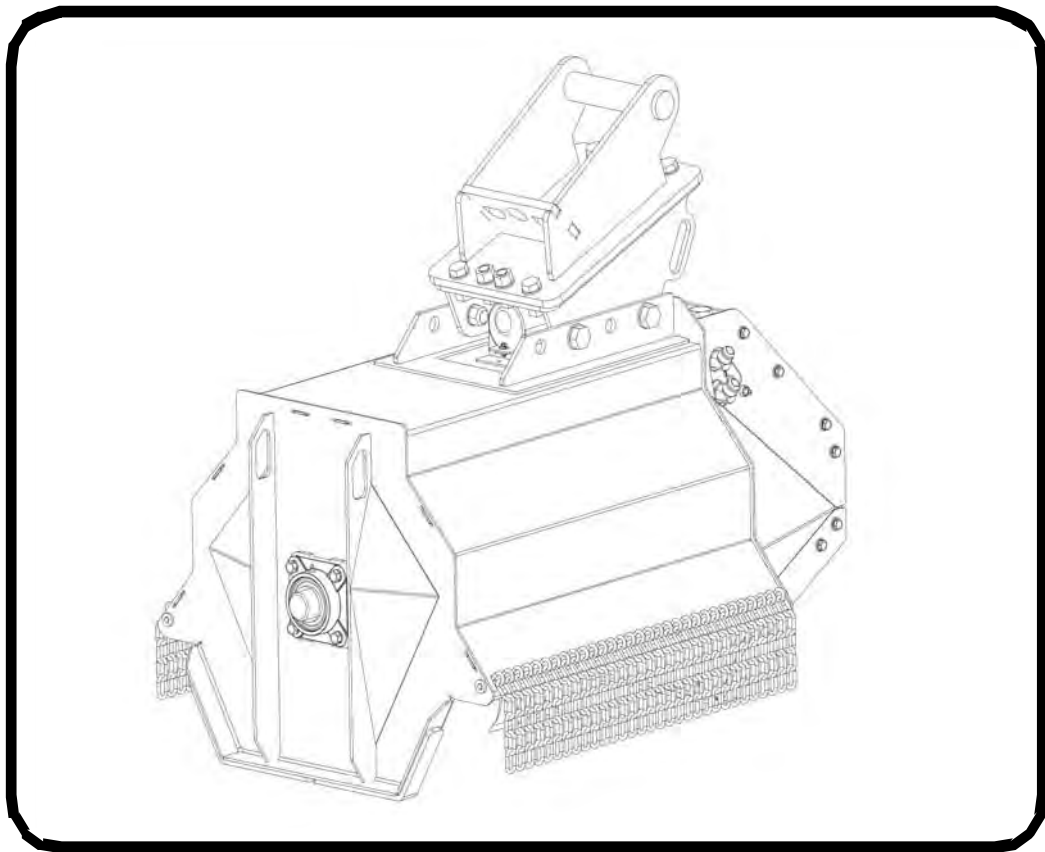
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## Operation & Maintenance Manual

### Flail Mower

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**(30FM) S/N B1YS00400 & Above**  
**(40FM) S/N B1YT00400 & Above**



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# DELIVERY REPORT

Figure 2

The image shows a Bobcat Delivery Report Attachments form. At the top left is the Bobcat logo. The form is titled 'Delivery Report Attachments' and includes fields for 'Dealer Name' and 'Dealer Address'. Below this is a section for 'OPERATOR'S SIGNATURE' with checkboxes for 'I have read and understand the operator's manual', 'I have read and understand the safety manual', and 'I have read and understand the maintenance manual'. A 'WARNING' section follows, containing a list of 15 items that must be explained or shown to the owner or operator. The items are: 1. Explain the proper operation and maintenance of the mower deck and deck blades. 2. Explain the proper operation and maintenance of the PTO shaft and PTO clutch. 3. Explain the proper operation and maintenance of the PTO shaft and PTO clutch. 4. Explain the proper operation and maintenance of the PTO shaft and PTO clutch. 5. Explain the proper operation and maintenance of the PTO shaft and PTO clutch. 6. Explain the proper operation and maintenance of the PTO shaft and PTO clutch. 7. Explain the proper operation and maintenance of the PTO shaft and PTO clutch. 8. Explain the proper operation and maintenance of the PTO shaft and PTO clutch. 9. Explain the proper operation and maintenance of the PTO shaft and PTO clutch. 10. Explain the proper operation and maintenance of the PTO shaft and PTO clutch. 11. Explain the proper operation and maintenance of the PTO shaft and PTO clutch. 12. Explain the proper operation and maintenance of the PTO shaft and PTO clutch. 13. Explain the proper operation and maintenance of the PTO shaft and PTO clutch. 14. Explain the proper operation and maintenance of the PTO shaft and PTO clutch. 15. Explain the proper operation and maintenance of the PTO shaft and PTO clutch. At the bottom of the form, there are signature lines for the 'Owner/Operator' and the 'Dealer Representative', along with a date field. A small box on the right side of the form contains the number 'NA7494'.

The delivery report [Figure 2] contains a list of items that must be explained or shown to the owner or operator by the dealer when the Bobcat flail mower is delivered.

The delivery report must be reviewed and signed by the owner or operator and the dealer.

## PUBLICATIONS AND TRAINING RESOURCES

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

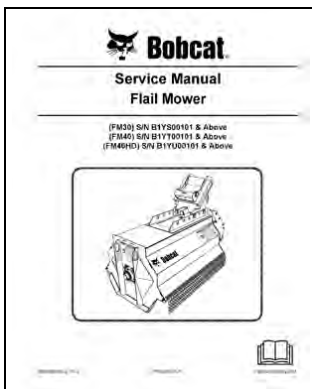
For the latest information on Bobcat products and the Bobcat Company, visit our web site at [www.bobcat.eu](http://www.bobcat.eu)



### OPERATION & MAINTENANCE MANUAL

6990523enGB

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



### SERVICE MANUAL

6990524enUS

Complete maintenance and overhaul instructions for your Bobcat Attachment.

## OPERATING PROCEDURE WITH EXCAVATORS (CONT'D)

### Entering And Exiting The Excavator (Cont'd)

#### *Exiting*

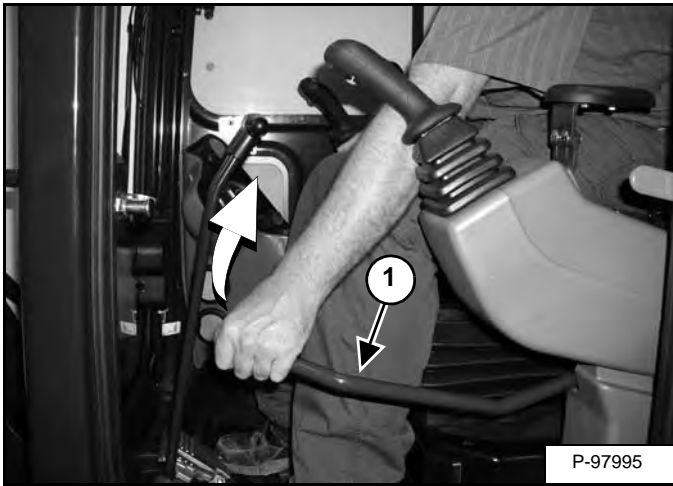
Lower the work equipment to the ground.

Lower the blade to the ground.

Stop the engine and remove the key.

**NOTE:** The following illustration may not show your control console lever exactly as it appears but the procedure is correct.

Figure 17



Lift up on the lever (Item 1) [Figure 17] to release and raise the control console.

Exit the excavator.



## WARNING

### AVOID INJURY OR DEATH

Before leaving the machine:

- Lower the work equipment to the ground.
- Lower the blade to the ground.
- Stop the engine and remove the key.

W-2196-0595

## OPERATING PROCEDURE WITH EXCAVATORS (CONT'D)

### Installation (Cont'd)

#### *For First Time Installation*

New attachments and new excavators 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 excavator. See your Bobcat dealer for parts information.

## IMPORTANT

- **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.**

I-2278-0608

With the excavator engine off and using the hose guides (if equipped), route the attachment hydraulic hoses to the excavator. Connect the attachment hydraulic quick couplers to the excavator couplers. (See Hydraulic Quick Couplers on Page 44.)

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

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

## WARNING

### AVOID 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 is present.**
- **Engine is running.**
- **Tools are being used.**

W-2019-0907

Loosen the quick coupler connections on the attachment hydraulic hoses while connected to the excavator. Do not remove the quick couplers.

Rotate the attachment hydraulic hoses as needed so the hoses are not twisted or contacting any moving parts of the excavator or attachment.

With the twist(s) removed from the hydraulic hoses, tighten the attachment quick coupler connections while the couplers are still connected to the excavator. This will help hold the hydraulic hoses in position while tightening.

Tighten the quick couplers connections to 63 N•m (46 ft-lb) torque before starting the excavator.

Enter the excavator. (See Entering And Exiting The Excavator on Page 31.)

Start the engine.

Engage auxiliary hydraulics. (See the excavator's Operation & Maintenance Manual and Operator's Handbook for correct procedure.)

## WARNING

### AVOID INJURY OR DEATH

**Diesel fuel or hydraulic fluid under pressure can penetrate skin or 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 physician familiar with this injury.**

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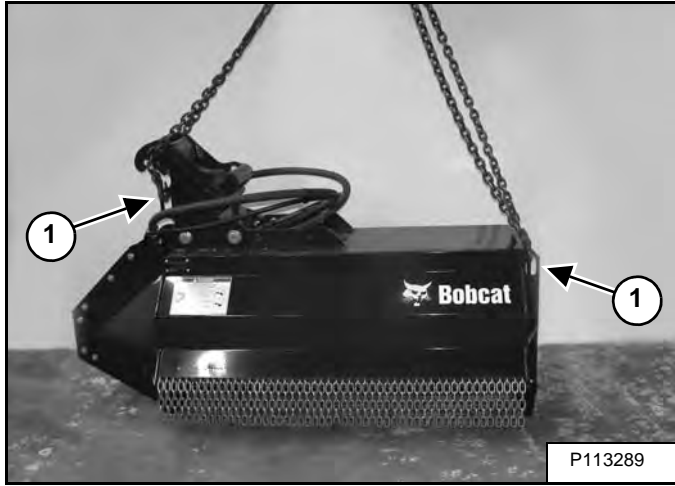
Check the attachment hydraulic quick coupler connections for leaks.

## LIFTING THE ATTACHMENT

### Procedure

**NOTE:** Use chains that are in good condition and of adequate size to lift or secure the flail mower. (See Dimensions on Page 69.)

Figure 64



Install the chain hooks (Item 1) [Figure 64] to the four lifting points on the flail mower.

## TRANSPORTING THE ATTACHMENT ON A TRAILER

### Fastening

Figure 65



Fasten the chains to the four tie down points [Figure 65] on the flail mower and attach the opposite ends of the chains to the transport vehicle.

Use chain binders to prevent the flail mower from moving during transportation.

Secure the hydraulic hoses to the flail mower.

## DRUM ROTATION

### Procedure

The flail mower hydraulic circuit has a check valve that allows the drum to rotate in one direction only to protect the motor from damage by eliminating the ability to quickly reverse the rotation of the drum. To utilize both edges of the knives, the hydraulic flow to the motor can be reversed by changing the hose position at the motor.

Enter the excavator and start the engine. See Operation & Maintenance Manual for correct procedure.

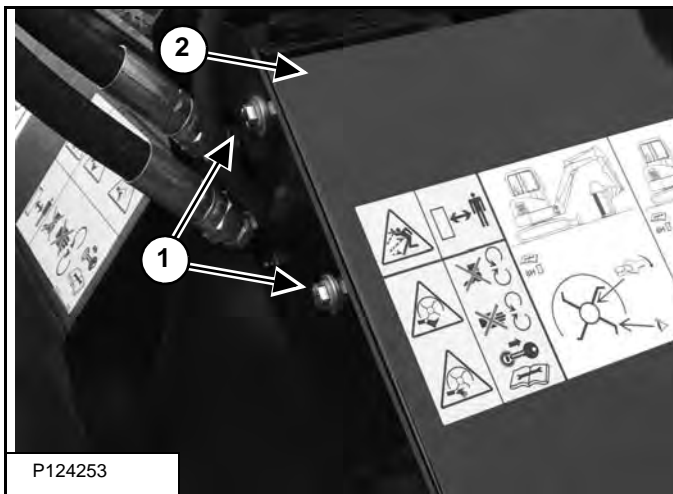
Park the excavator on a flat level surface.

Lower the attachment fully.

Stop the engine and relieve the hydraulic pressure. See Operation & Maintenance Manual for the correct procedure for relieving hydraulic pressure at the excavator.

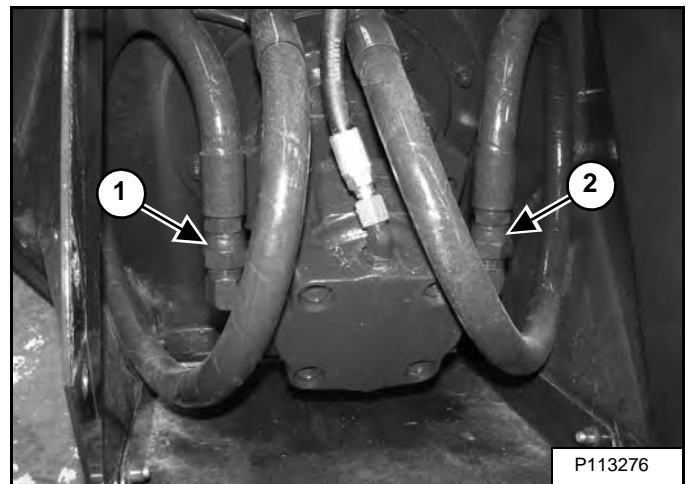
**NOTE: Disconnect the hydraulic hose at the quick couplers before changing the hydraulic hoses. (See Hydraulic Quick Couplers on Page 44.)**

Figure 73



Remove the ten bolts (Item 1) and washers and remove the cover (Item 2) [Figure 73].

Figure 74



Remove the hoses (Item 1) and (Item 2) from the motor. Switch the hose positions so hose (Item 1) will now be installed where hose (Item 2) was originally installed. And hose (Item 2) will now be installed where hose (Item 1) [Figure 74] was originally installed.

**Installation:** Tighten the hoses to 114 N•m (84 ft - lb) torque.

Reinstall the cover (Item 2) and bolts (Item 1) [Figure 73] and tighten.

Reconnect the hydraulic couplers. (See Hydraulic Quick Couplers on Page 44.)

The drum will now rotate in the opposite direction and allow the unused side of the knife edge to be the cutting surface.

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