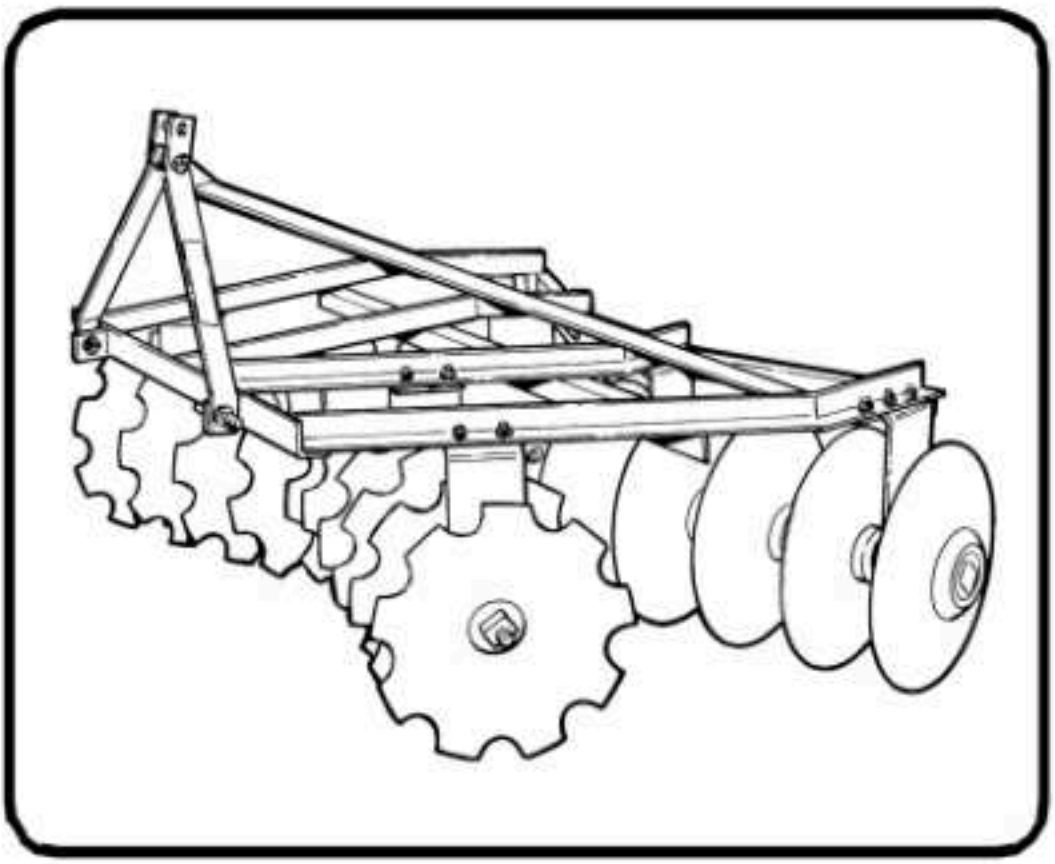
Bobcat®

Operation & Maintenance Manual
Three-Point Disc Harrow

(3DH72) S/N AHYN00101 & Above
(3DH84) S/N AHYP00101 & Above



6989428 (6-09)

Printed in U.S.A.

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CONTENTS

CONTENTS 1

FOREWORD 3

SAFETY & TRAINING RESOURCES 11

OPERATING INSTRUCTIONS 21

PREVENTIVE MAINTENANCE 57

SPECIFICATIONS 75

WARRANTY 79

ALPHABETICAL INDEX 83

REFERENCE INFORMATION

Write the correct information for YOUR three-point disc in the spaces below. Always use these numbers when referring to your three-point disc.

Three-Point Disc Serial Number _____

NOTES:

_____

_____

_____

_____

_____

YOUR BOBCAT DEALER:

_____

ADDRESS:

_____

PHONE:

_____

Bobcat Company
P.O. Box 128
Gwinner, ND 58040-0128

Bobcat Company Europe
Drève Richelle 167
B-1410 WATERLOO
Belgium

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FOREWORD

This Operation & Maintenance Manual was written to give the owner/operator instructions on the safe operation and maintenance of the planer. READ AND UNDERSTAND THIS OPERATION & MAINTENANCE MANUAL BEFORE OPERATING YOUR PLANER. If you have any questions, see your Bobcat dealer.

BOBCAT COMPANY IS ISO 9001:2000 CERTIFIED 5

SERIAL NUMBER LOCATION 7
Implement Serial Number 7

DELIVERY REPORT 7

IMPLEMENT IDENTIFICATION 8
3DH72 Three-Point Disc 8
3DH84 Three-Point Disc 8

FEATURES AND ACCESSORIES 9
Standard Items 9

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FIRE PREVENTION



Maintenance

The machine and some implements have components that are at high temperatures under normal operating conditions. The primary source of high temperatures is the engine and exhaust system. The electrical system, if damaged or incorrectly maintained, can be a source of arcs or sparks.

Flammable debris (leaves, straw, etc.) must be removed regularly. If flammable debris is allowed to accumulate, it can cause a fire hazard. Clean often to avoid this accumulation. Flammable debris in the engine compartment is a potential fire hazard.

The operator's area, engine compartment and engine cooling system must be inspected every day and cleaned if necessary to prevent fire hazards and overheating.

All fuels, most lubricants and some coolants mixtures are flammable. Flammable fluids that are leaking or spilled onto hot surfaces or onto electrical components can cause a fire.

Operation

Do not use the machine where exhaust, arcs, sparks or hot components can contact flammable material, explosive dust or gases.

Electrical



Check all electrical wiring and connections for damage. Keep the battery terminals clean and tight. Repair or replace any damaged part or wires that are loose or frayed.

Battery gas can explode and cause serious injury. Use the procedure in the Operation & Maintenance Manual for connecting the battery and for jump starting. Do not jump start or charge a frozen or damaged battery. Keep any open flames or sparks away from batteries. Do not smoke in battery charging area.

Hydraulic System

Check hydraulic tubes, hoses and fittings for damage and leakage. Never use open flame or bare skin to check for leaks. Hydraulic tubes and hoses must be properly routed and have adequate support and secure clamps. Tighten or replace any parts that show leakage.

Always clean fluid spills. Do not use gasoline or diesel fuel for cleaning parts. Use commercial nonflammable solvents.

Fueling



Stop the engine and let it cool before adding fuel. No smoking! Do not refuel a machine near open flames or sparks. Fill the fuel tank outdoors.

Starting

Do not use ether or starting fluids on any engine that has glow plugs. These starting aids can cause explosion and injure you or bystanders.

Use the procedure in the Operation & Maintenance Manual for connecting the battery and for jump starting.

Spark Arrestor Exhaust System

The spark arrestor exhaust system is designed to control the emission of hot particles from the engine and exhaust system, but the muffler and the exhaust gases are still hot.

Check the spark arrestor exhaust system regularly to make sure it is maintained and working properly. Use the procedure in the Operation & Maintenance Manual for cleaning the spark arrestor muffler (if equipped).

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OPERATING PROCEDURE WITH UTILITY WORK MACHINES (CONT'D)

Operation With The Work Machine

Driving The Implement And Work Machine To The Worksite

Read and understand the work machine Operation & Maintenance Manual and Operator's Handbook prior to installing or using any implement.

Enter the work machine. (See Entering And Exiting The Work Machine on Page 27.) Start the engine.

⚠ WARNING

SHARP OBJECTS CAN CAUSE SERIOUS INJURY OR DEATH

- **Keep hands, feet and clothing away from disc blades.**
- **Keep all bystanders away from equipment when operating.**
- **Fully lower the disc to the ground before leaving the operator's seat.**

W-2796-0509

Figure 18



Raise the three-point disc to the travel position **[Figure 18]**. (See the work machine Operation & Maintenance Manual for detailed information on operating the three-point hitch.)

Drive the work machine and implement to the work area.

NOTE: When operating on a public road or highway, always follow local regulation. For example: Slow Moving Vehicle (SMV) emblem or directional signals and hazard/flasher lights may be required.

Operating The Three-Point Implement

Read and understand the work machine Operation & Maintenance Manual and Operator's Handbook prior to installing or using any implement.

Enter the work machine. (See Entering And Exiting The Work Machine on Page 27.) Start the engine.

Once at the work site, while moving forward, slowly lower disc into ground until desired depth is reached. Angle adjustments to the disc gangs may be required for desired results. (See Disc Gang Angle Adjustment on Page 34.)

Before turning, raise disc out of the ground, when done turning, slowly lower the disc back into the ground.

NOTE: Damage to the disc may occur if it is not lifted out of the ground before turning.

Do not operate the disc in reverse (traveling backwards) to work corners or tight areas. The disc is designed for working in forward travel only.

NOTE: Damage to the disc may occur if left in the ground while backing up.

Recommended procedure for corners or tight areas:

1. Lift disc out of ground.

2. Back up into corner or tight area.

3. Lower disc into ground and proceed with discing in forward travel.

Do not cross a ditch at a 90° angle (straight on). **Always cross a ditch diagonally.**

NOTE: Damage to the disc and/or work machine may occur while crossing a ditch at a 90° angle.

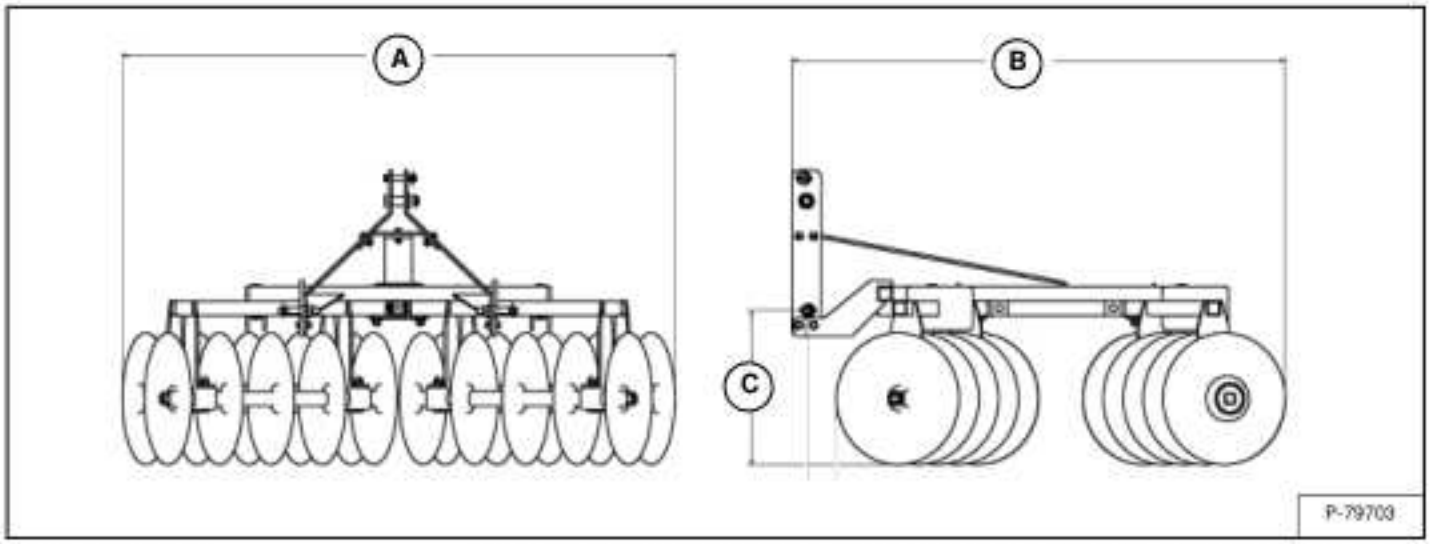
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(3DH84) THREE-POINT DISC SPECIFICATIONS

Dimensions

- Dimensions are given for loader equipped with standard tires. Dimensions may vary with other types. All dimensions are shown in inches. Respective metric dimensions are given in millimeters enclosed by parentheses
- Where applicable, specifications conform to **SAE and ISO** standards and are subject to change without notice.

NOTE: Dimensions are given using 18 in. (457 mm) discs.



DESCRIPTION	CLOSED WITH GANGS POSITIONED IN	OPENED WITH GANGS POSITIONED OUT
Width (A)	76.5 in. (1943 mm)	89 in. (2057.4 mm)
Length (B)	62 in. (1575 mm)	61.75 in. (1568 mm)
Ground to Lower Three-Point Pin (C)	22.75 in. (577.85 mm)	22.75 in. (577.85 mm)

Performance

NOTE: Performance is given using 18 in. (457 mm) discs.

DESCRIPTION	PERFORMANCE
Weight	846 lb. (384 kg)
Number of Discs	20 (10 Smooth and 10 Notched)
Three-Point Hitch Class	Category 1
Disc Spacing	7.375 in. (187.3 mm)
Cutting Width	70 in. (1778 mm) Closed 84 in. (2184 mm) Open

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SAFETY INSTRUCTIONS

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

DANGER

The signal word DANGER on the machine and in the manuals indicates a hazardous situation which, if not avoided, will result in death or serious injury.

D-1002-1107

WARNING

The signal word WARNING on the machine and in the manuals indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

W-2044-1107

The Bobcat machine and implement 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 and the implement.

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, Safety Manual 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 (SMV) 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 implement safely under all conditions of the work area. Fasten seat belt securely when Roll-Over Protective Structure (ROPS) is up and locked. DO NOT wear the seat belt if ROPS is down.

Know the Work Conditions

- Know the weight of the materials being handled. Avoid exceeding the machine and implement load capacities. Material which is very dense will be heavier than the same volume of less dense material. Reduce the size of 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. Call local utilities or the TOLL FREE phone number found in the *Call Before You Dig* Section of this manual.
- Wear tight fitting clothing. Always wear safety glasses when doing maintenance or service. Safety glasses, respiratory equipment, hearing protection, Special Applications Kits or a Front Window Guard are required for some work. See your Bobcat dealer about Bobcat Safety equipment for your machine.

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