



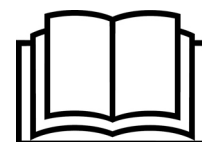
Bobcat®

Operation & Maintenance Manual



Angle Broom

(68 Angle Broom) S/N B4KZ00101 & Above
(84 Angle Broom) S/N B4LR00101 & Above



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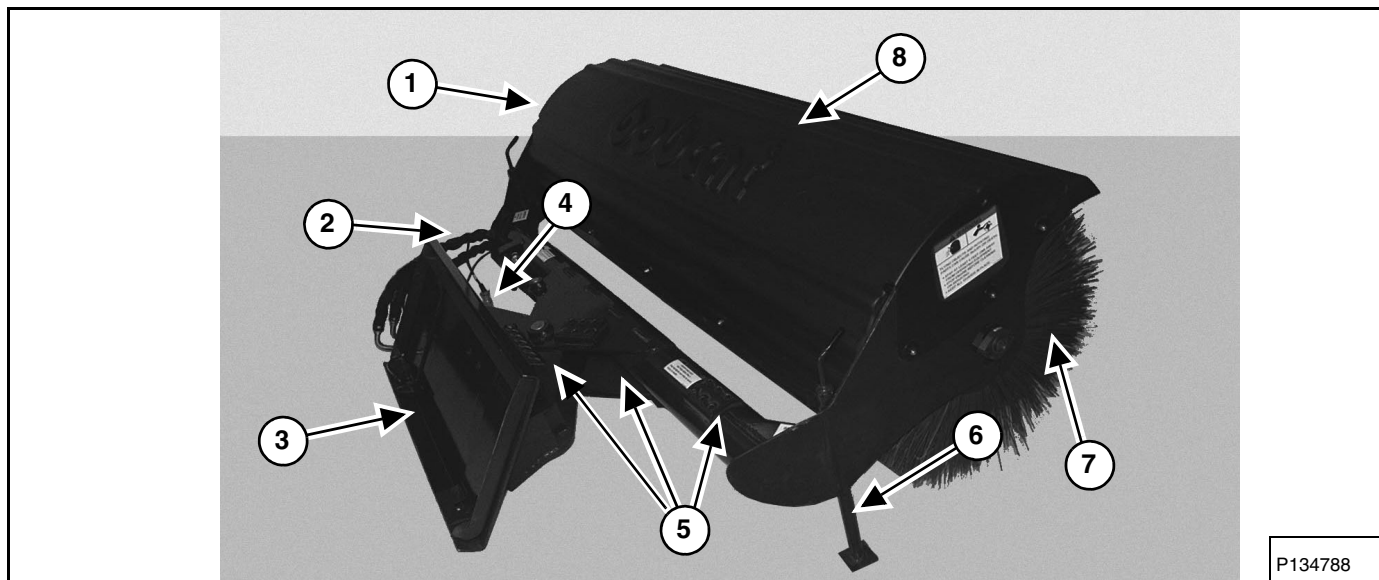
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ATTACHMENT IDENTIFICATION



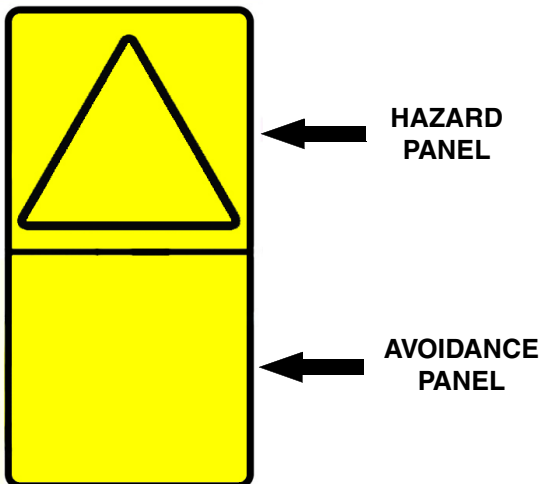
ITEM	DESCRIPTION	ITEM	DESCRIPTION
1	Hydraulic Motor	5	Steps
2	Hydraulic Hoses	6	Stand
3	Mounting Frame	7	Brush
4	Cylinder	8	Brush Shroud

ATTACHMENT SIGNS (DECALS) (CONT'D)

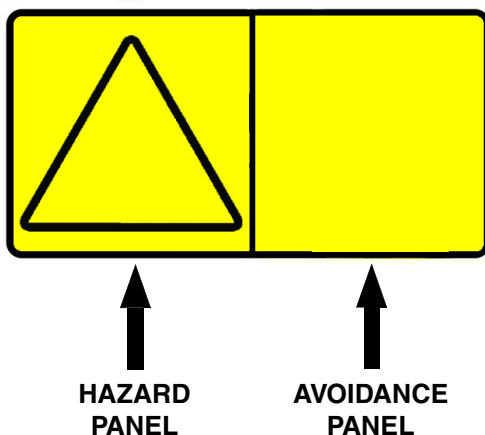
Pictorial Only Safety Signs

Safety signs are used to alert the equipment operator or maintenance person to hazards that may be encountered in the use and maintenance of the equipment. The location and description of the safety signs are detailed in this section. Please become familiarised with all safety signs installed on the machine / attachment.

Vertical Configuration



Horizontal Configuration



The format consists of the hazard panel(s) and the avoidance panel(s):

Avoidance panels depict actions required to avoid the hazards.

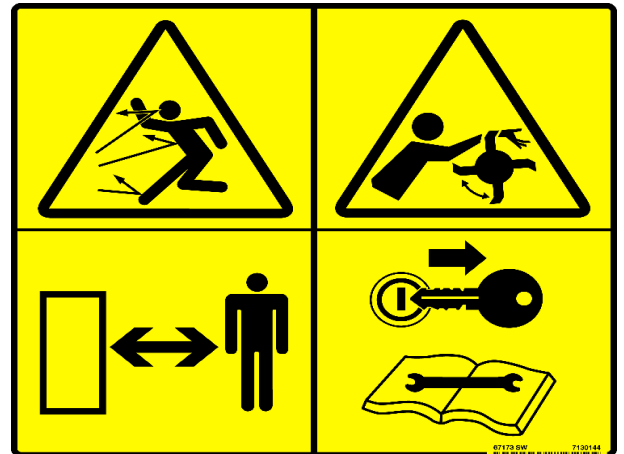
Hazard panels depict a potential hazard enclosed in a safety alert triangle.

A safety sign may contain more than one hazard panel and more than one avoidance panel.

NOTE: See the numbered See ATTACHMENT SIGNS (DECALS) on Page 20 for the location of each correspondingly numbered pictorial only decal.

1. Warning (7130144)

This safety sign is located on the side of the angle broom.



FLYING OBJECTS AND ROTATING PARTS CAN CAUSE INJURY OR DEATH

- Stay at least 3 m (10 ft) away from operating equipment.
- Stop engine before cleaning or servicing.
- Keep all guards in place.

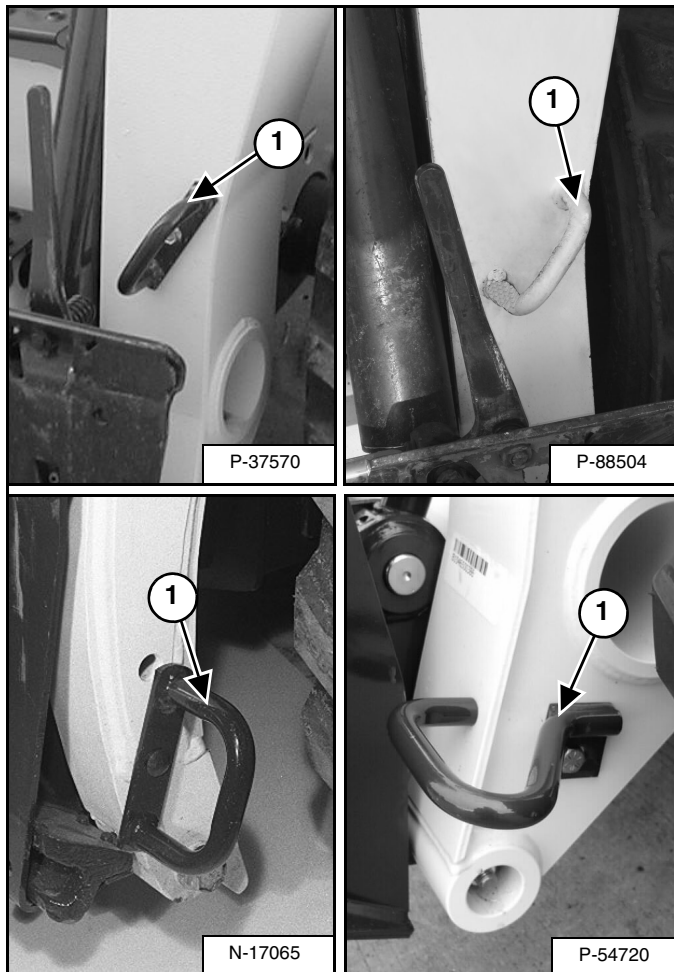
W-2706-0910

OPERATING PROCEDURE WITH LOADERS (CONT'D)

Machine / Attachment Setup (Cont'd)

Hose Guide Installation (Earlier Version)

Figure 19



Install the correct hose guide (Item 1) [Figure 19] on the loader.

NOTE: Hose guide styles vary between loader models. Hose guides are not included with the attachment. See your Bobcat dealer for available hose guide kits.

Hydraulic Quick Couplers

IMPORTANT

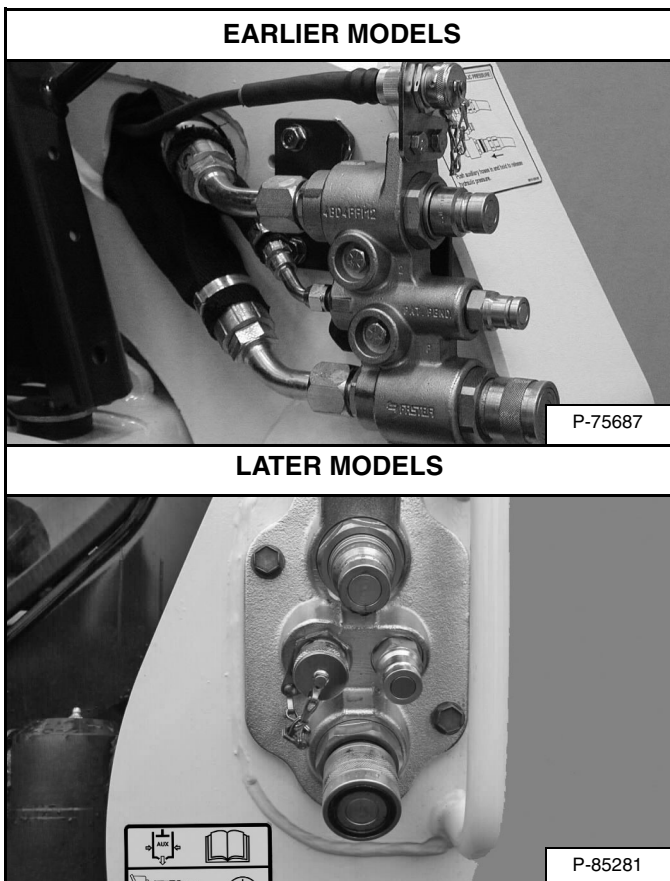
- Thoroughly clean the quick couplers before making connections. Dirt can quickly damage the system.
- Contain and dispose of any oil leakage in an environmentally safe manner.

I-2278-0608

New attachments and new loaders 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 loader. 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.

Figure 39



! WARNING

AVOID BURNS

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

W-2220-0396

To Connect:

Remove any dirt or debris from the surface of both the male and female couplers, and from the outside diameter of the male coupler. Visually check the couplers for corroding, cracking, damage, or excessive wear. If any of these conditions exist, the coupler(s) must be replaced [Figure 39].

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

NOTE: Check that the attachment hydraulic hoses are not twisted or contacting any moving parts of the loader or attachment. (See For First Time Installation on Page 40.) for proper adjustment.

To Disconnect:

Relieve hydraulic pressure. (See the loader's Operation & Maintenance Manual and Operator's Handbook for correct procedure.)

Push the couplers together, retract the sleeve on the female coupler until the couplers disconnect.

LIFTING THE ATTACHMENT

Procedure

NOTE: Use chains that are in good condition and of adequate size to lift the attachment.

Figure 58

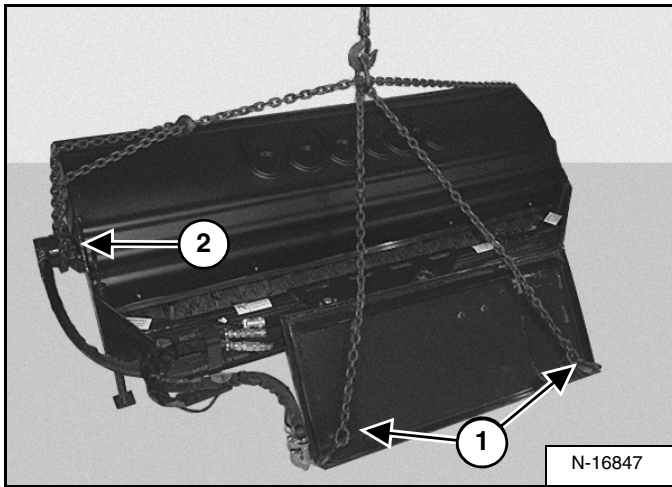
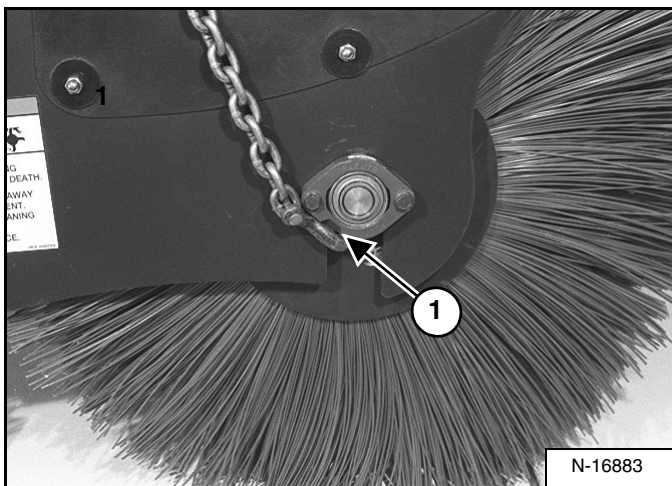


Figure 59



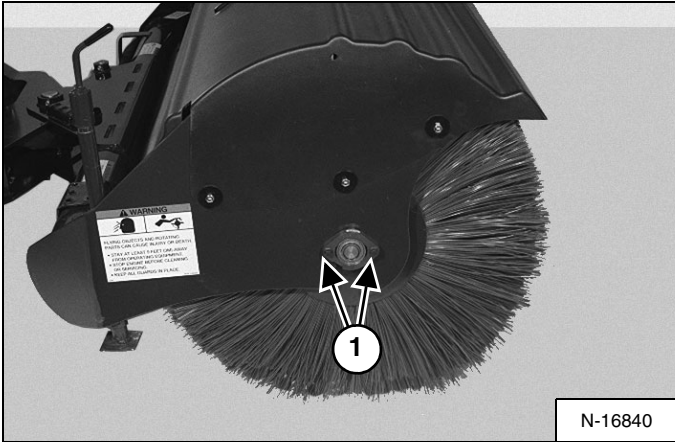
Install the chains to the angle broom mount (Item 1) [Figure 58], hydraulic motor (Item 2) [Figure 58] and right side plate (Item 1) [Figure 59].

REMOVAL AND INSTALLATION OF BRISTLES

Procedure

Removal Of Bristles

Figure 63



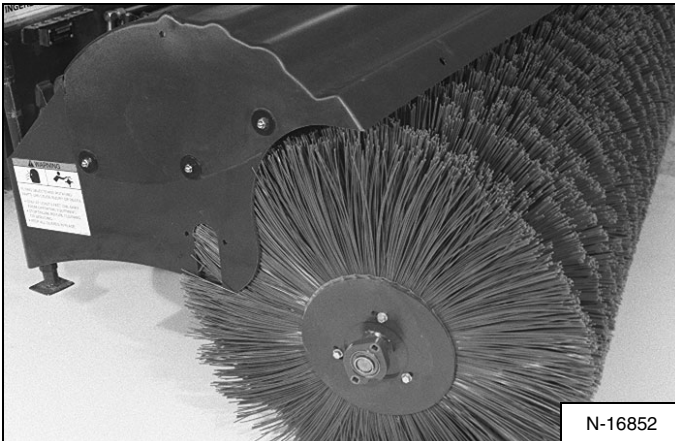
With the angle broom attached to the machine, lower the broom to the sweep position [Figure 63].

Stop and exit the machine.

Remove the two bolts (Item 1) [Figure 63] from the end of the broom.

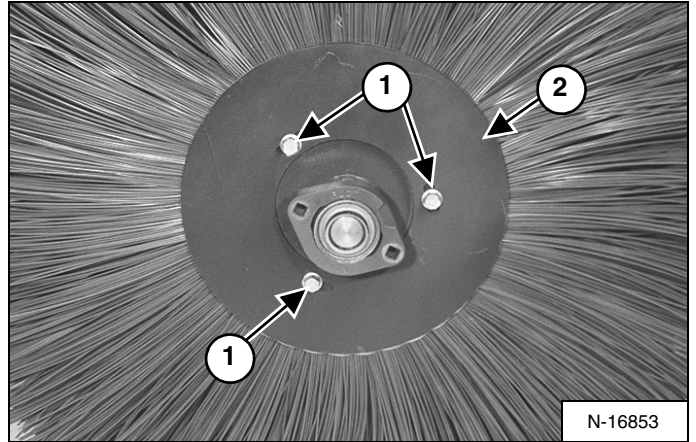
Enter and start the machine. Tilt the angle broom back towards the cab until the broom assembly is clear from the broom shroud.

Figure 64



Drop the broom assembly down and pull the broom bristle assembly forward of the bearing mount. Slide the broom assembly away from the hydraulic motor [Figure 64].

Figure 65



Remove the three bolts (Item 1) [Figure 65] from the retaining plate.

Remove the retaining plate (Item 2) [Figure 65].

Figure 66



Remove the bristle sections from the carrier [Figure 66].

NOTE: The first section on each end of the broom has a flat bristle retaining ring.

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