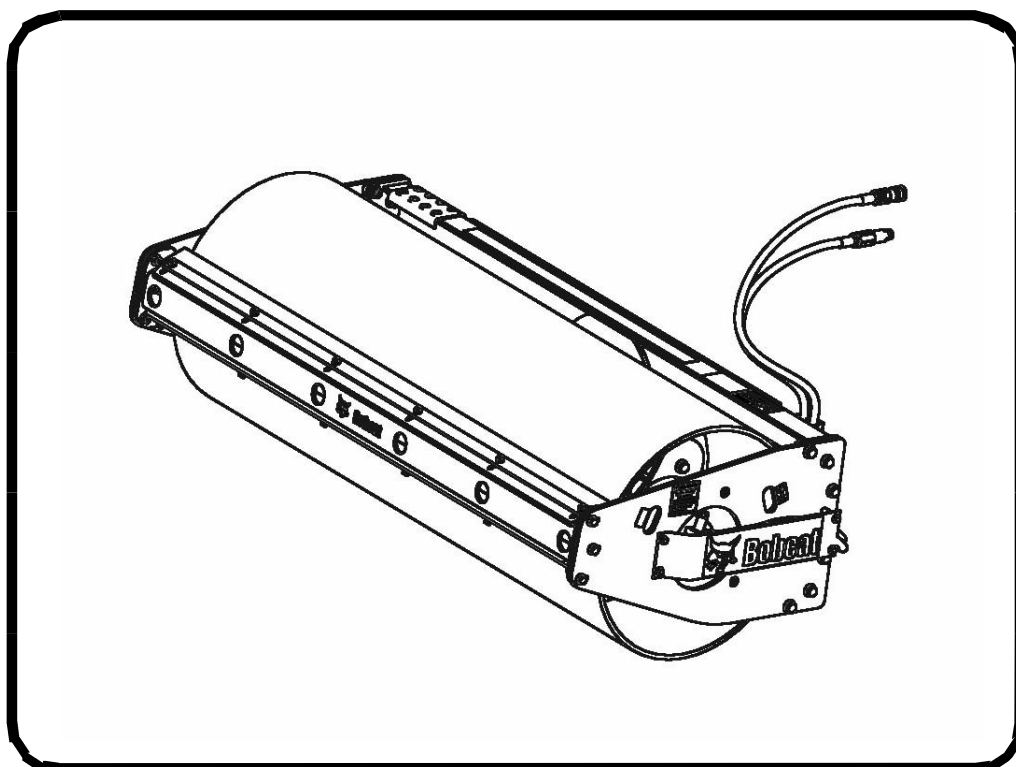




Service Manual

Vibratory Roller

(Roller 48 Padded) S/N AFLJ00101 & Above
(Roller 48 Smooth) S/N AFLK00101 & Above
(Roller 73 Padded) S/N AFLD00101 & Above
(Roller 73 Smooth) S/N AFLE00101 & Above
(Roller 80 Smooth) S/N AFLC00101 & Above



MAINTENANCE SAFETY



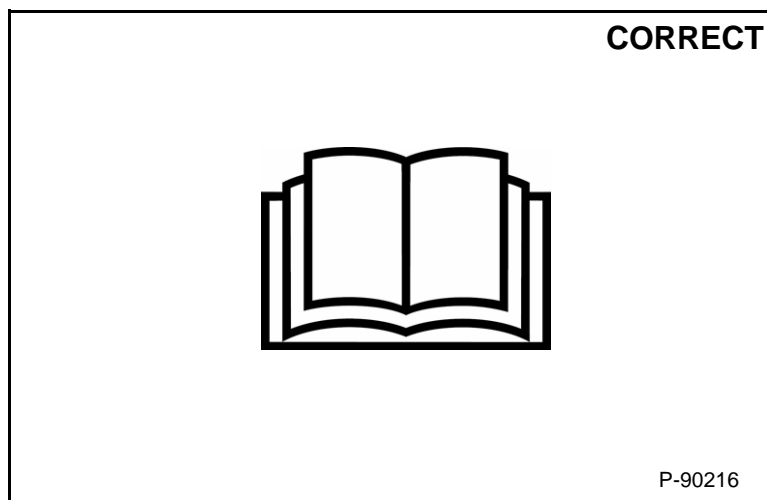
WARNING









Instructions are necessary before operating or servicing machine. Read and understand the Operation & Maintenance Manual, Operator's Handbook and signs (decals) on machine. Follow warnings and instructions in the manuals when making repairs, adjustments or servicing. Check for correct function after adjustments, repairs or service. Untrained operators and failure to follow instructions can cause injury or death.

W-2003-0807



Safety Alert Symbol: This symbol with a warning statement, means: "Warning, be alert! Your safety is involved!" Carefully read the message that follows.



-  Never service attachments / implements without instructions. See Operation & Maintenance Manual and Attachment / Implement Service Manual.
-  Cleaning and maintenance are required daily.
-  Never service or adjust attachment / implement with the engine running unless instructed to do so in manual.
-  Always lower the attachment / implement to the ground before lubricating or servicing.
-  Avoid contact with leaking hydraulic fluid or diesel fuel under pressure. It can penetrate skin or eyes.
-  Stop, cool and clean engine of flammable materials before checking fluids.
-  Keep body, loose objects and clothing away from moving parts, electrical contacts, hot parts and exhaust.
-  Safety glasses are needed for eye protection from electrical arcs, battery acid, compressed springs, fluids under pressure and flying debris or when tools are used. Use eye protection approved for type of welding.



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**SAFETY AND
MAINTENANCE**

**HYDRAULIC
SYSTEM**

**MAIN
FRAME**

**SPECIFICATIONS
AND
SCHEMATICS**

REFERENCE INFORMATION

Write the correct information for YOUR vibratory roller attachment in the spaces below. Always use these numbers when referring to your vibratory roller.

Vibratory Roller 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



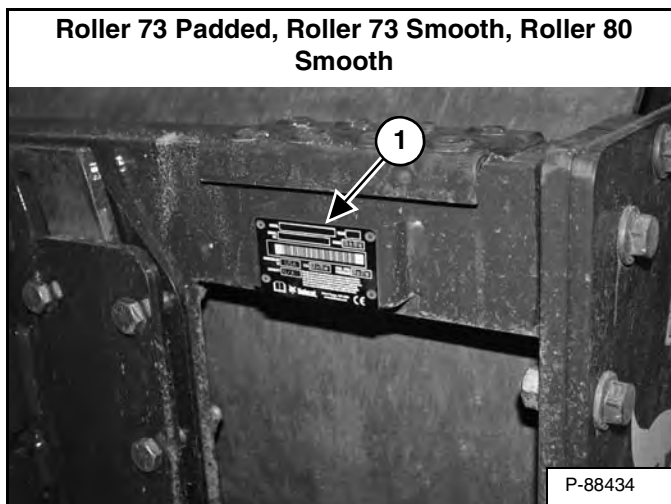
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SERIAL NUMBER LOCATION

Figure 1



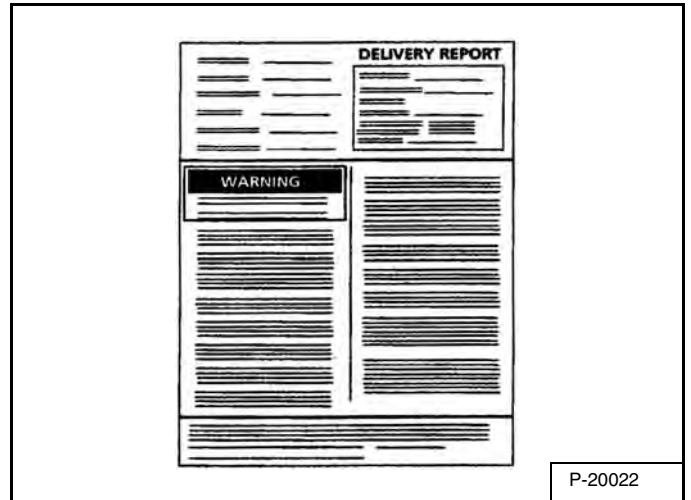
Figure 2



Always use the serial number (Item 1) [Figure 1] & [Figure 2] of the vibratory roller when requesting service information or when ordering parts. Early or later models (identification made by serial number) may use different parts, or it may be necessary to use a different procedure in doing a specific service operation.

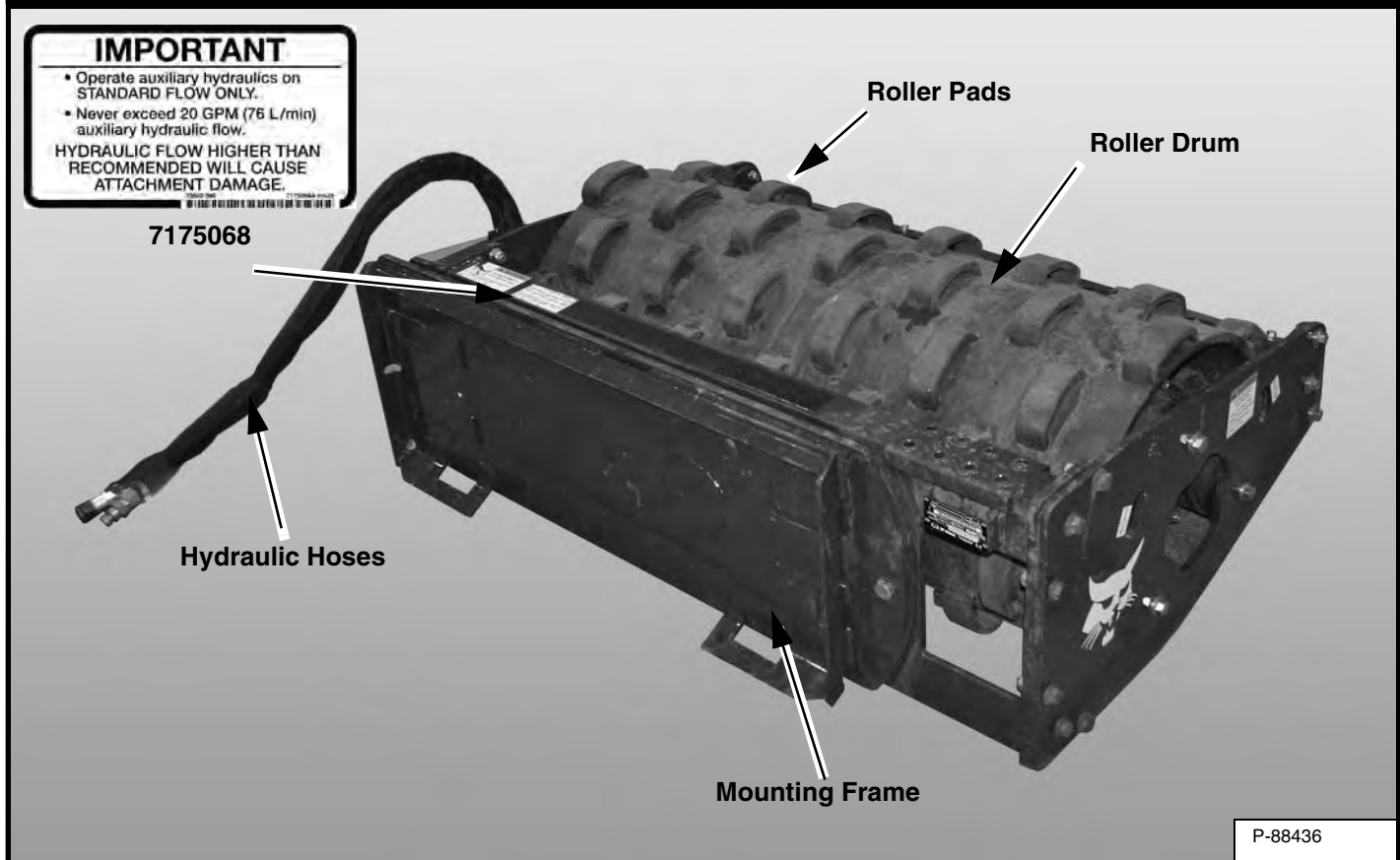
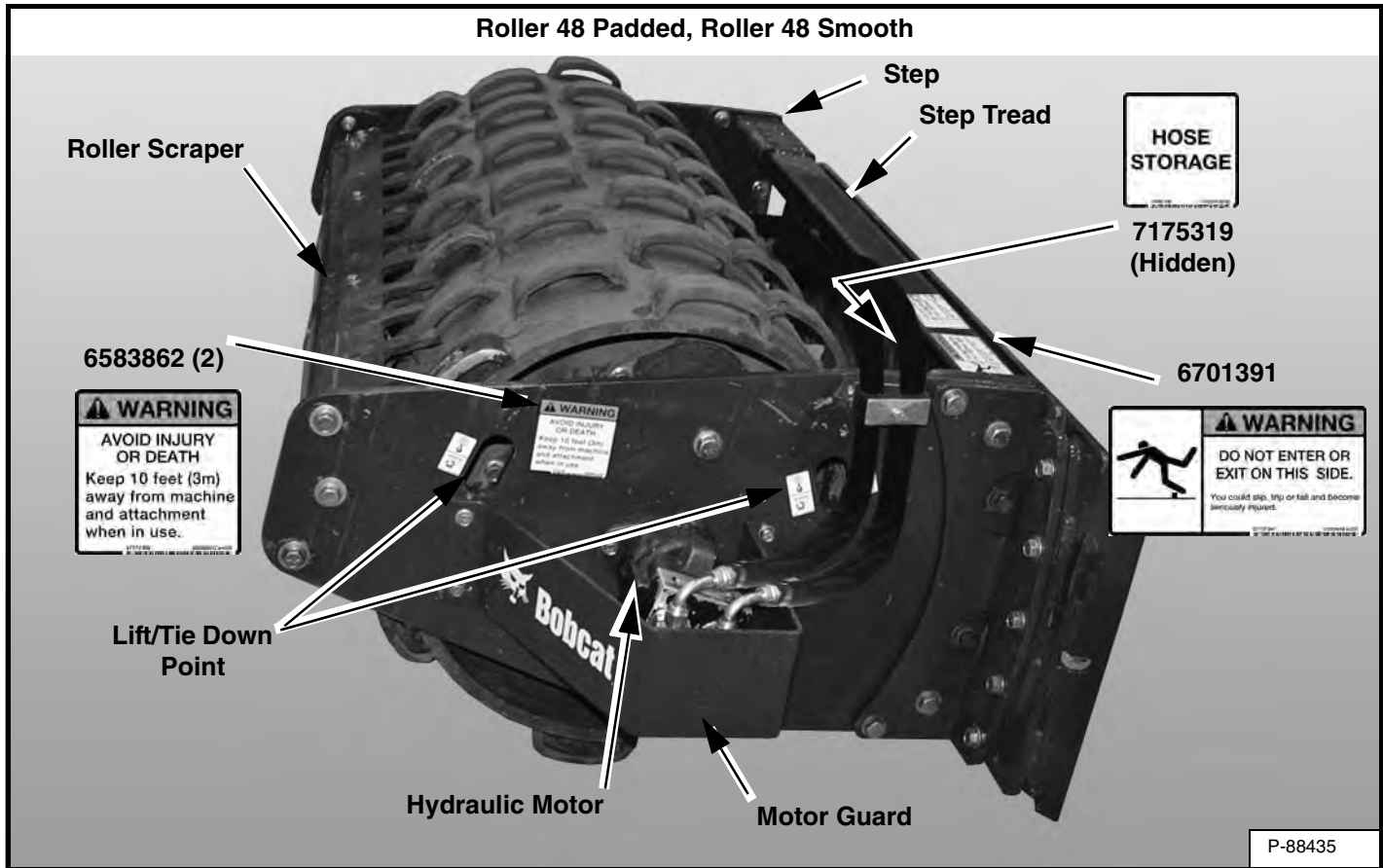
DELIVERY REPORT

Figure 3

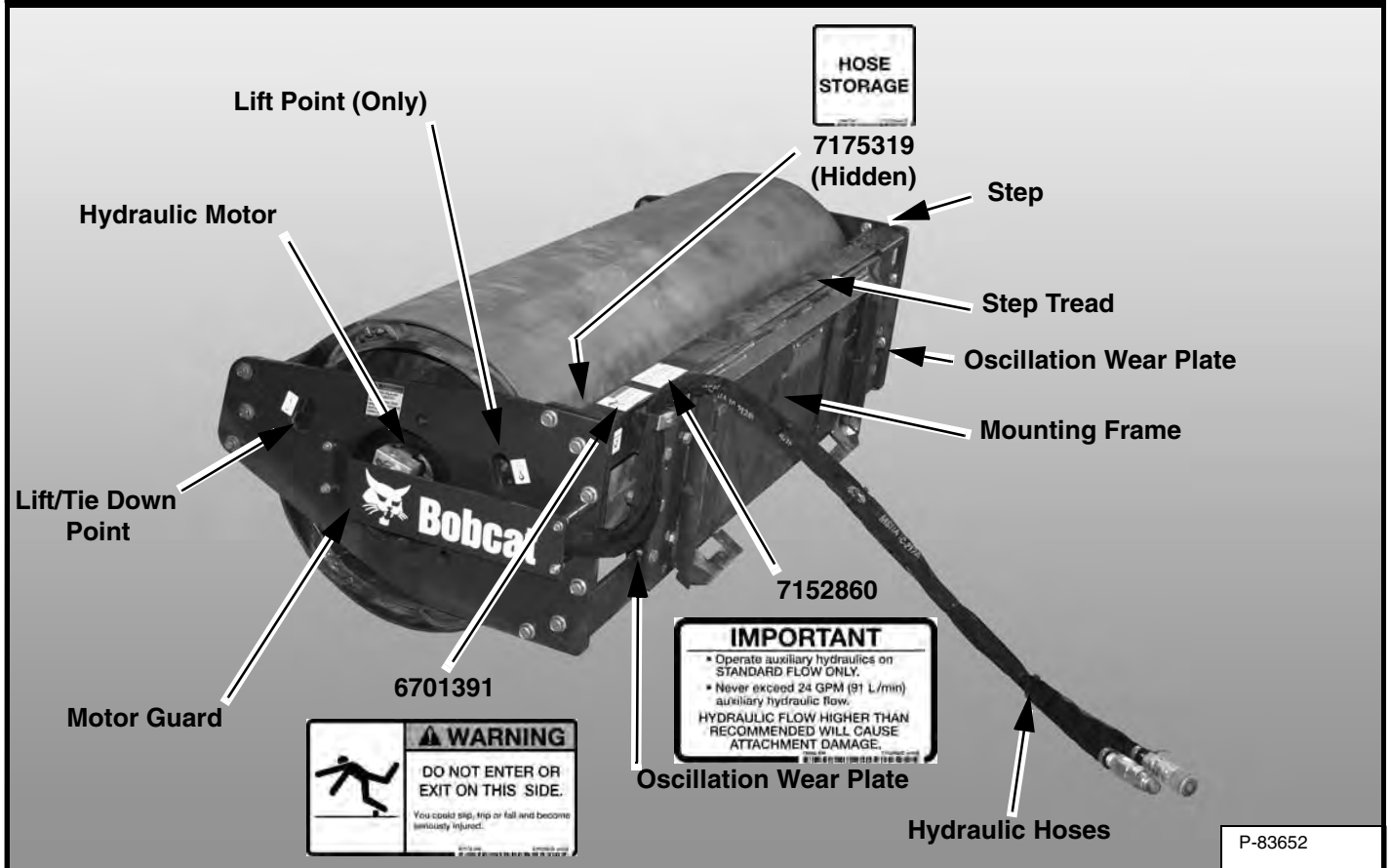
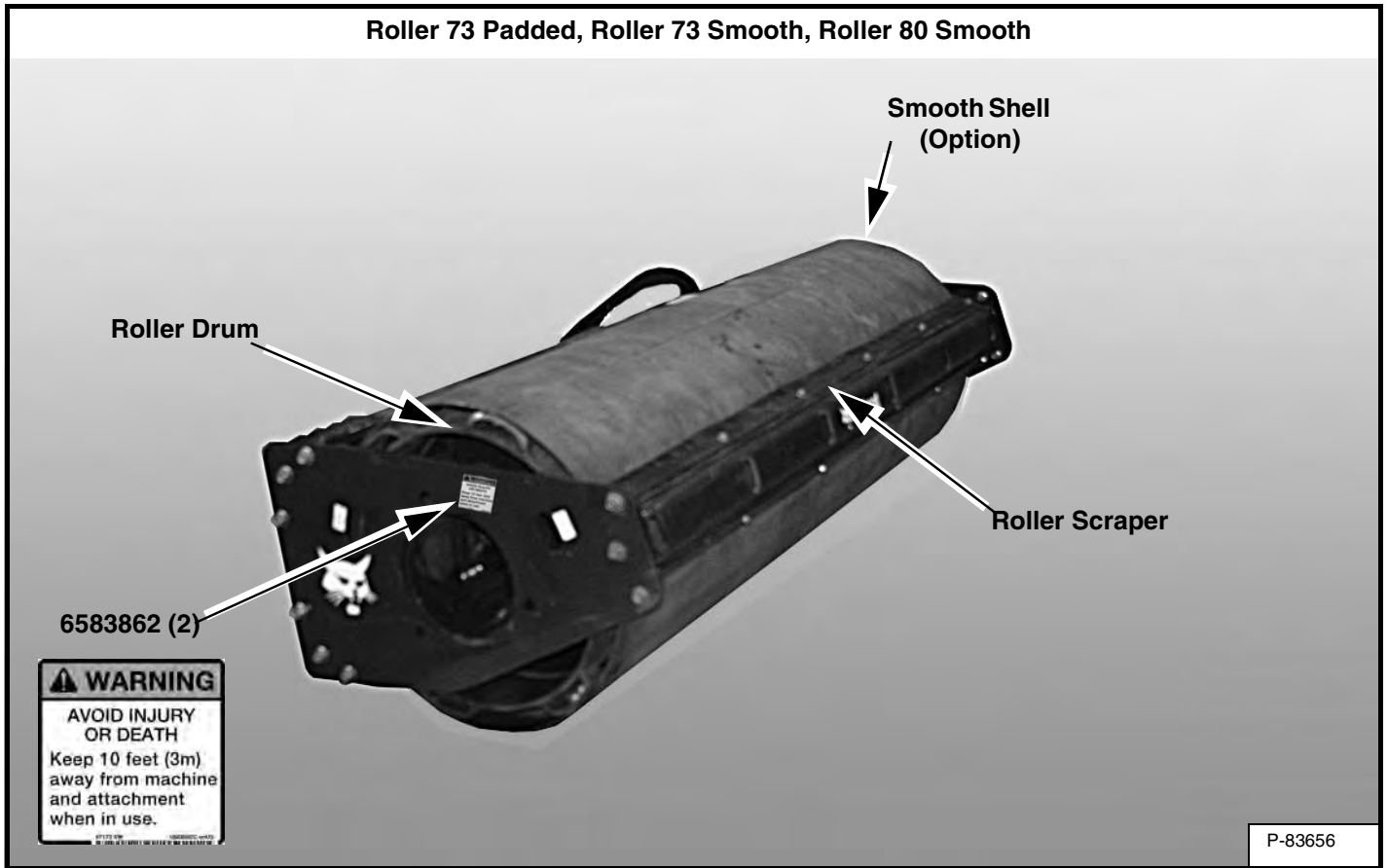


The delivery report must be filled out by the dealer and signed by the owner or operator when the vibratory roller is delivered. An explanation of the form must be given to the owner. Make sure it is filled out completely [Figure 3].

IDENTIFICATION AND MACHINE SIGNS (DECALS)



IDENTIFICATION AND MACHINE SIGNS (DECALS) (CONT'D)





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SAFETY AND MAINTENANCE

SAFETY AND MAINTENANCE

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TROUBLESHOOTING

Chart

Use the following troubleshooting charts to locate and correct problems which most often occur with the vibratory roller.

48 In. Vibratory Roller Models		
PROBLEM	CAUSE	CORRECTION
Vibratory Roller shaft will not rotate	Loader fluid reservoir is low	Add fluid to reservoir on loader
	No fluid to vibratory roller	Check connections and flow to roller
	Loader hydraulic pump not working	Repair or replace as needed
	Damaged quick couplers	Replace quick couplers
	Coupler flexible element is broken or torn	Replace the flexible element
Vibratory Roller shaft rotates slowly	Not enough hydraulic flow	Test loader hydraulics for flow and pressure
	Relief valve in hydraulic cushion is not functioning	See the vibratory roller Service Manual for the correct procedure
Vibratory Roller shaft will not rotate	Loader fluid reservoir is low	Add fluid to reservoir on loader, remove relief valve and inspect O-ring condition
Does not oscillate	Lack of lubrication	Grease the mounting frame

73 & 80 In. Vibratory Roller Models		
PROBLEM	CAUSE	CORRECTION
Vibratory Roller shaft will not rotate	Loader fluid reservoir is low	Add fluid to reservoir on loader
	No fluid to vibratory roller	Check connections and flow to roller
	Loader hydraulic pump not working	Repair or replace as needed
	Damaged quick couplers	Replace quick couplers
	Coupler flexible element is broken or torn	Replace the flexible element
Vibratory Roller shaft rotates slowly	Not enough hydraulic flow	Test loader hydraulics for flow and pressure
	Relief valve in hydraulic cushion is not functioning	See the vibratory roller Service Manual for the correct procedure
Vibratory Roller shaft will not rotate	Loader fluid reservoir is low	Add fluid to reservoir on loader, remove relief valve and inspect O-ring condition
Does not oscillate	Improper wear plate adjustment	See the vibratory roller Operation and Maintenance Manual for the correct procedure



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SERVICE SCHEDULE

Chart

Maintenance work must be done at regular intervals. Failure to do so will result in excessive wear and early failures. The service schedule is a guide for correct maintenance of the Bobcat product.

48 In. Vibratory Roller Models			
SERVICE SCHEDULE		FREQUENCY	
ITEM	SERVICE REQUIRED	25 HOURS	ANNUALLY AND / OR 200 HOURS
Pivot Frame	Lubricate grease fittings on frame		
Eccentric Case	Change the case oil		

73 & 80 In. Vibratory Roller Models			
SERVICE SCHEDULE		FREQUENCY	
ITEM	SERVICE REQUIRED	25 HOURS	ANNUALLY AND / OR 200 HOURS
Eccentric Case	Change the case oil		
Wear Plates	Annually adjust for wear.		

WARNING

AVOID INJURY OR DEATH

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patience.**

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admin@servicemanualperfect.com