



either.

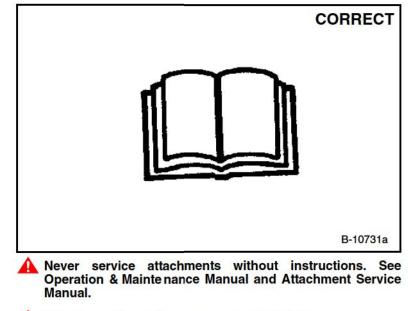
MAINTENANCE SAFETY



WARNING

Instructions are necessary before operating or servicing machine. Read and understand the Operation & Ma intenance 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-2003-0903

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



- Cleaning and maintenance are required daily.
- Never service or adjust attachment with the engine running unless instructed to do so in manual.
- Always lower the attachment to the g round 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.

ALPHABETICAL INDEX

ACCUMULATOR (DOUBLE)
CLAMPING ARM (SINGLE AND DOUBLE) 30–01 CLAMPING PADS (SINGLE AND DOUBLE) 30–01
ELECTRICAL SCHEMATIC WITH 7–PIN CONNECTOR
GLOSSARY OF HYDRAULIC SYMBOLS 40-01
HYDRAULIC CONTROL VALVE (SINGLEAND DOUBLE)HYDRAULIC CYLINDER (SINGLE ANDDOUBLE)HYDRAULIC MOTOR (SINGLE ANDDOUBLE)DOUBLE)LOUBLE)LOUBLE)LOUBLE)LOUBLE)LOUBLE)LOUBLE)LOUBLE)LOUBLE)LOUBLE)LOUBLE)LOUBLE)LOUBLE)LOUBLE)LOUBLE)LOUBLE)LOUBLE)LOUBLE)LOUBLE)LOUBLE
INSPECTION
LEVELING ARM (SINGLE AND DOUBLE) 30–01 LUBRICATION 10–01
PARTS IDENTIFICATION
SERIAL NUMBER LOCATIONiii SPECIFICATIONS (DOUBLE)
TILTING FRAME (SINGLE AND DOUBLE) 30–01 TROUBLESHOOTING
VIBRATING HEAD (DOUBLE)

CONTENTS

SERIAL NUMBER LOCATION						
PARTS IDENTIFICATION	 	 	 	 	<mark>.</mark> V.	
SAFETY AND MAINTENANCE	 	 	 	 	.10-01	
HYDRAULIC SYSTEM	 	 	 	 	.20-01	
MAIN FRAME	 	 		 	30-01	
SPECIFICATIONS AND SCHEMATICS	 	 	 		.4.0-01	



HYDRAULIC SYSTEM

MAIN FRAME

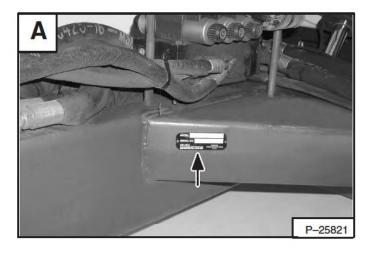
SPECIFICATIONS AND SCHEMATICS

CALIFORNIA PROPOSITION 65 WARNING

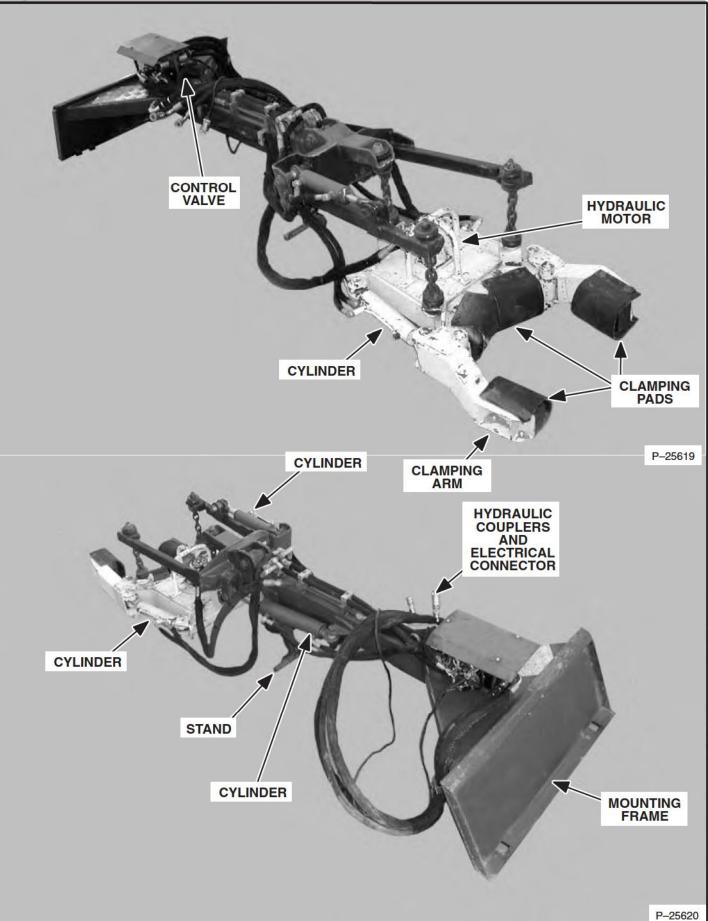
Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects and other reproductive harm.

SERIAL NUMBER LOCATION

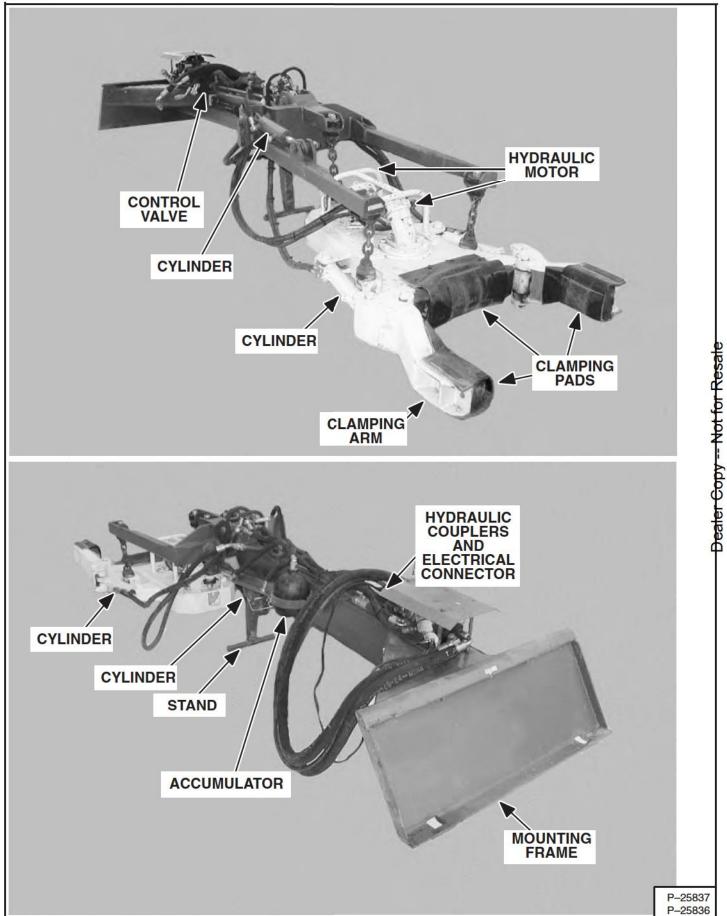
Always use the serial number of the T ree Vibrator when requesting service information or when ordering parts. Early or later models (identification madeby serial number) may use different parts, or it may be necessary to use a different procedure in doing a specific service operation [A].



PARTS IDENTIFICATION Single



PARTS IDENTIFICATION (Cont'd) Double



SAFETY AND MAINTENANCE

PAGE NUMBER

INSPECTION Tree Vibrator Mount Inspection	-2
LUBRICATION Lubrication Points	-4
TROUBLESHOOTING	-1

SAFETY AND MAINTENANCE



Instructions are necessary before operating or servicing machine, Read Operation & Maintenance Manual, 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. Failure to follow instructions can cause injury or death.

W-2003-0199

If the Tree Vibrator is not working correctly, check the hydraulic system of the Bobcat Loader thoroughly before making any repairs on the Tree Vibrator. Tree Vibrator problems can be af fected by a hydraulic system that is not operating to specifications.

If the Bobcat Loader operation is found to be correct, use the followingtroubleshooting chart to locate and correct problems with the Tree Vibrator.

PROBLEM	CAUSE	CORRECTION
Cannot change angle of cylinders.	Fuse is blown. Electrical overload.	Replace fuse in loader. See your Bobcat Loader Operation & Maintenance Manual for the location, size and type of fuse.
	Damage to the wires, harness or electrical connectors.	See your Bobcat dealer and the electrical schematics in the SPECIFICA TION section of this manual.
	Faulty or damaged solenoid(s).	Replace solenoid(s).
	Auxiliary hydraulics switch not engaged.	Engage auxiliary hydraulics switch.
Tree Vibrator will not vibrate.	Auxiliary front hydraulics not engaged.	Engage the loader front auxiliary hydraulics.
	Continuous Operation auxiliary hydraulic switch not engaged.	Engage Continuous Operation auxiliary hydraulic switch.
Cylinders move quickly and are hard to position.	Auxiliary switch in maximum flow position.	Move switch to variable flow.

INSPECTION Hand Lever Bob–Tach Inspection

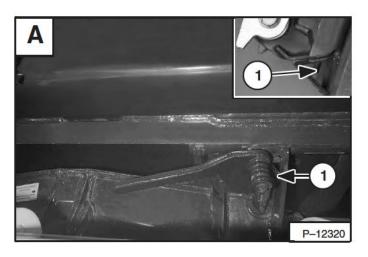
Move the Bob-Tach levers to engage the wedges [A]. The levers and wedges must move freely.

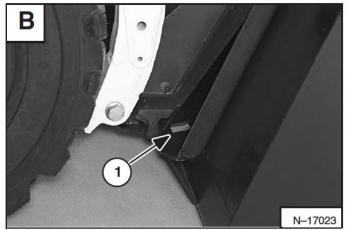
The wedges must extend through the holes in the attachment mounting frame (Item 1) [A].

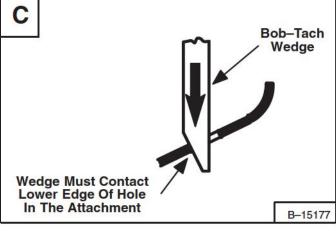


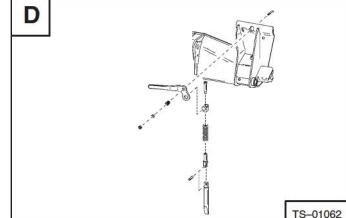
The spring loaded wedge (Item 1) [A] must contact the lower edge of the hole in the attachment (Item 1) [B] and [C].

If the wedge does not contact the lower edge of the hol[B] and [C], the attachment will be loose and can come of the Bob-Tach.









Inspect the mounting frame on the attachment and the Bob-Tach, linkages and wedges for excessive wear or damage [D]. Replace any parts that aredamaged, bent, or missing. Keep all fasteners tight.

Look for cracked welds. Contact your Bobcat dealer for repair or replacement parts.

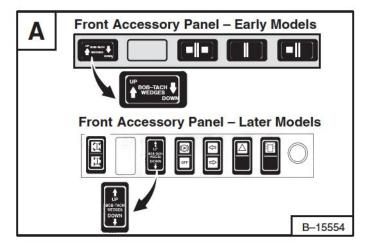
Lubricate the wedges (See the correct loader Operation And Maintenance Manual for LUBRICATION OF THE LOADER).

Dealer Copy -- Not for Resale

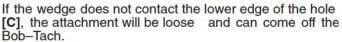
INSPECTION(Cont'd)

Power Bob–Tach Inspection

Push and hold the Bob-Tach "WEDGES UP" switch [A] until wedges are fully raised. Push and holdthe Bob-Tach "WEDGES DOWN" switch [A] until the wedges are fully down. The wedges must move freely.



The wedges must extend through the holes in the attachment mounting frame (Item 1) [B] and must contact the lower edge of the hole in the attachment[B] and (Item 1) [C].



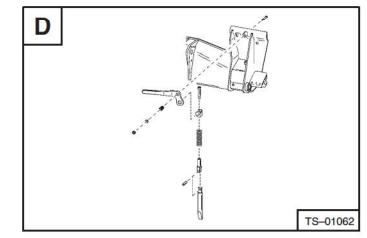
С

B

Deal Wedge Must Contact Lower Edge Of Hole In The Attachment N-17022

Inspect the mounting frame on the attachment and the Bob-Tach, linkages and wedges for excessive wear or damage [D]. Replace any parts including decals and levers that are damaged, bent or missing. Keep all fasteners tight. Inspect the hoses and fittings for leaks.

Look for cracked welds. Contact your Bobcat dealer for repair or replacement parts.



N-17022

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