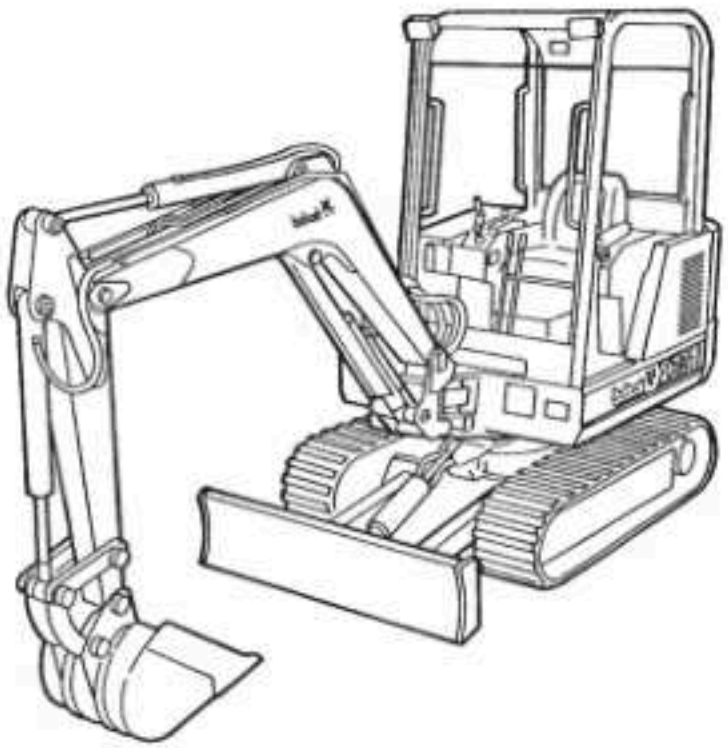
331

Operation & Maintenance Manual

S/N 512913001 thru 512915199



6724466 (10–97) Revised (8–00)

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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.

REFERENCE INFORMATION

Write the correct information for YOUR Bobcat Hydraulic Excavator in the spaces below. Always use these numbers when referring to your Hydraulic Excavator.

Bobcat Hydraulic Excavator
Serial Number ..... _____
Engine Serial Number ..... _____

NOTES: _____

YOUR BOBCAT EXCAVATOR DEALER: _____
ADDRESS: _____
PHONE: _____

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

Bobcat Company Europe
J. Huysmanslaan 59
B–1651 LOT
BELGIUM

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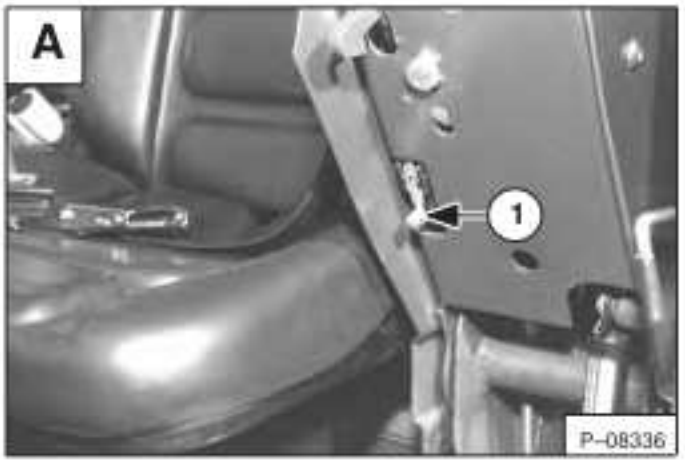
CONTROL LEVER (JOYSTICK) LOCK

The control lock micro switch (Item 1) **[A]** disconnects the hydraulics from the joystick control levers when the control console is in the raised position. (The joystick control levers will not operate with the console raised.)

NOTE: The travel levers, blade lever, boom swing pedal and the attachment operation pedal functions are NOT affected by the control lock.

NOTE: The ignition switch must be in the ON position with the engine stopped to activate the accumulator pressure to lower the boom/bucket to the ground.

Lower the control console to engage the joystick control levers **[B]**.

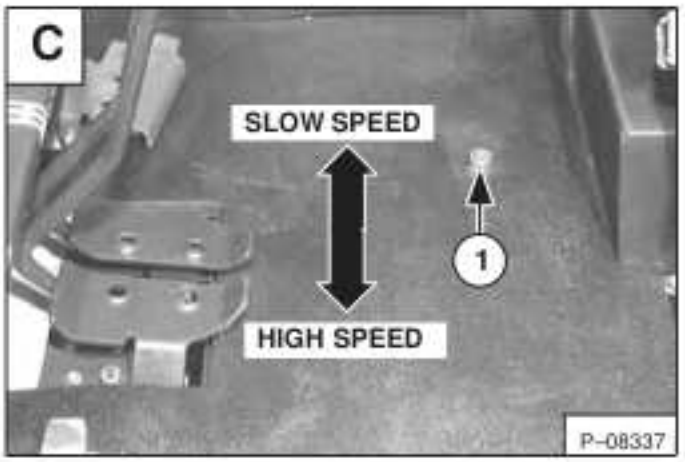




TWO SPEED FOOT PEDAL

Slow Speed: When pedal (Item 1) **[C]** is in the up position (Normal).

High Speed: When pedal (Item 1) **[C]** is pushed and held down.



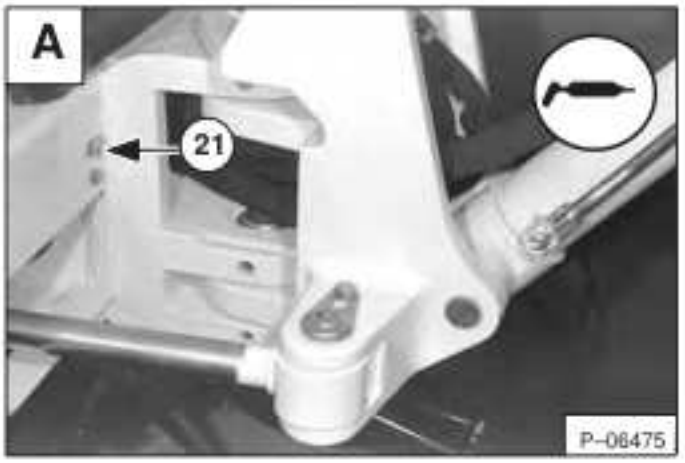
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LUBRICATION OF THE HYDRAULIC EXCAVATOR (Cont'd)

Lubricate the following locations on the Hydraulic Excavator **EVERY 50 HOURS:**

Ref.	Description (# of fittings)
21.	Swing Circle Pinion (1) **[A]**.

NOTE: Install four pumps of grease from a grease gun into the grease fitting. Rotate the upperstructure 180° and install four more pumps of grease into the grease fitting.



HEATER AIR FILTER (With Cab Option Only)

See the *SERVICE SCHEDULE* Page 31 for the correct service interval.

Remove the air filter (Item 1) **[B]** from the back of the heater by lifting up on the tab on the top of the filter.

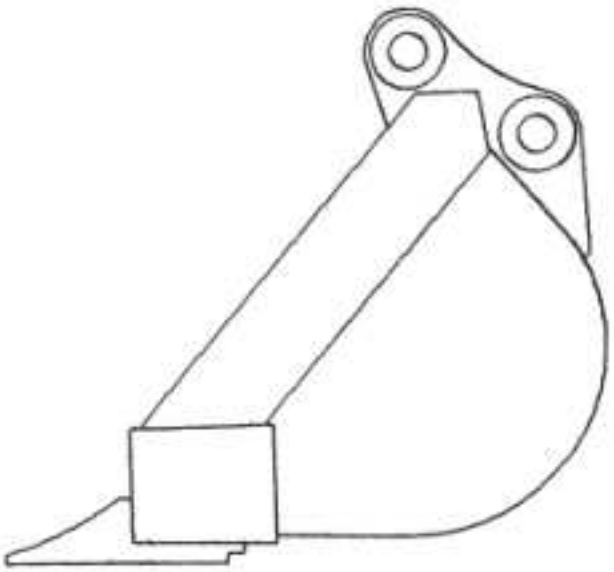
Clean the filter element with compressed air only.

Install the filter element in the back of the heater.



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BUCKET SPECIFICATIONS



Bucket Size	Capacity SAE Heaped	Shipped Weight
12 in. (305 mm)	1.59 cu. ft. (0,043 cu. m.)	126.6 lbs. (57,5 kg)
16 in. (406 mm)	2.12 cu. ft. (0,060 cu. m.)	144.0 lbs. (65,4 kg)
20 in. (509 mm)	2.81 cu. ft. (0,080 cu. m.)	160.0 lbs. (73,0 kg)
24 in. (609 mm)	3.62 cu. ft. (0,103 cu. m.)	175.6 lbs. (79,7 kg)
30 in. (762 mm)	4.60 cu. ft. (0,130 cu. m.)	215.9 lbs. (98,0 kg)

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BEFORE OPERATING THE BOBCAT COMPACT EXCAVATOR

Safety Alert Symbol

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

The Bobcat excavator and attachment 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 this Manual.

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

WARNING

Warnings on the machine and in the manuals are for your safety. Failure to obey warnings can cause injury or death.

W–2044–1285

SAFE OPERATION NEEDS A QUALIFIED OPERATOR *

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 can operate the machine and attachment safely under all conditions of the work area. Always fasten seat belt before operating.
  - Operator Training Courses are available from your Bobcat dealer in English and Spanish. They provide information for safe and efficient equipment operation. Safety videos are also available.
- **KNOW THE WORK CONDITIONS**
  - Know the weight of the materials being handled. Avoid exceeding the Rated Lift Capacity of the machine. 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 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 *SAFETY INSTRUCTIONS* Section of this manual.
  - Wear tight fitting clothing. Always wear safety glasses when doing maintenance or service. Safety glasses, hearing protection or special applications kit are required for some work. See your dealer about Bobcat Safety equipment.

* For an operator be qualified, he must not use drugs or alcoholic drinks which impair his alertness or coordination while working. An operator who is taking prescription drugs must get medical advice to determine if he can safely operate a machine.

SI23–0400

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