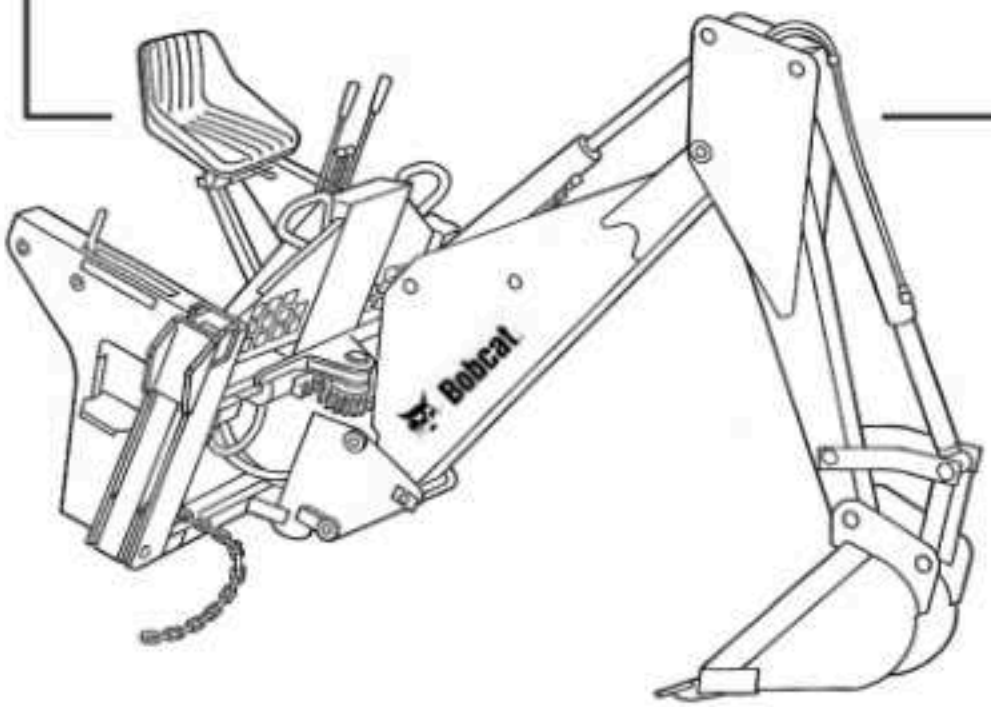
Bobcat

BACKHOE
8709

Operation & Maintenance Manual

S/N 880000439 & Above



An Ingersoll Rand business

6900406 (2–03) Revised (7–03)

Printed in U.S.A.

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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 loader/backhoe in the spaces below. Always use these numbers when referring to your Bobcat loader/backhoe.

Backhoe Serial Number ..... _____

NOTES: _____

YOUR LOADER/BACKHOE 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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Operating The Control Levers (Cont'd)

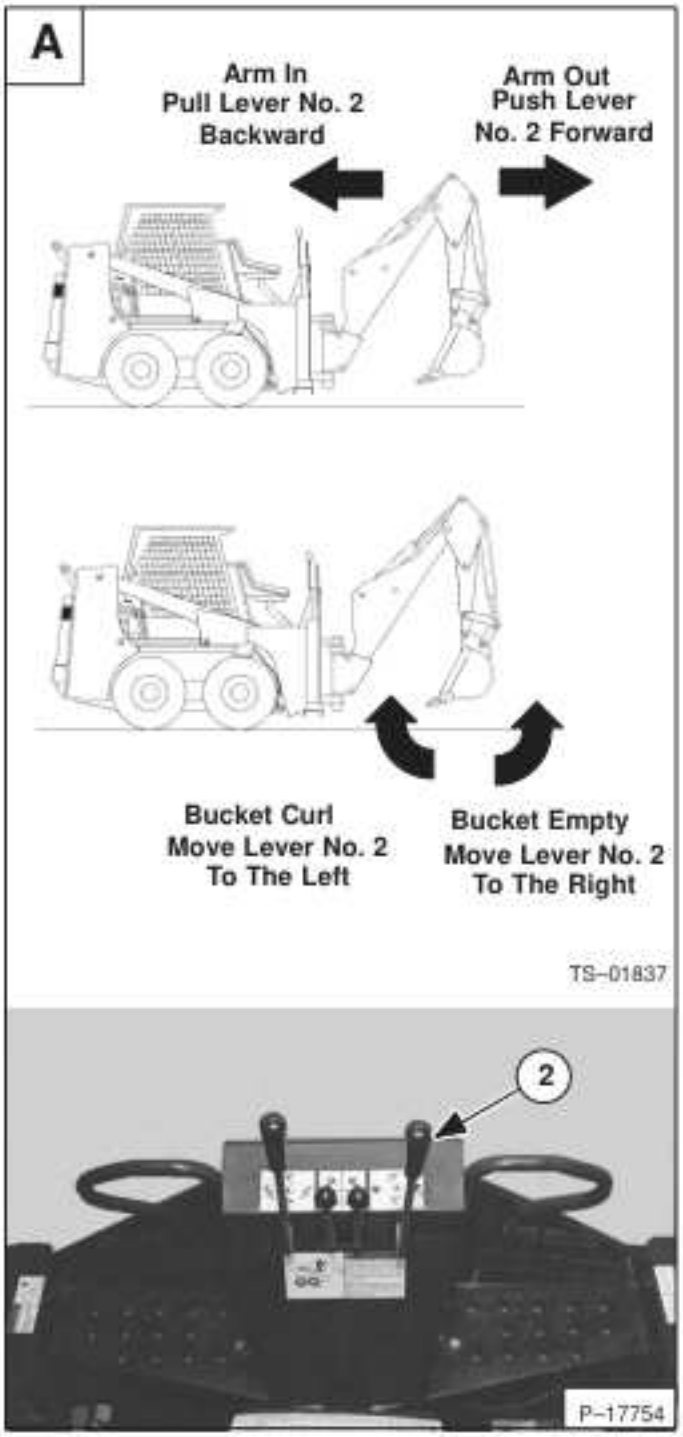
LEVER NO. 2 **[A]** – Arm and Bucket

To move the arm out, push the lever forward.

To move the arm in, pull the lever backward.

To curl the bucket (fill the bucket), move the lever to the left.

To empty the bucket, move the lever to the right.



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LUBRICATING THE BACKHOE

⚠ WARNING

AVOID INJURY OR DEATH

Always lower the Backhoe attachment to the ground before lubricating or servicing [A].

W-2178-0295

Use only a high grade of lubricating grease. Add grease to the fittings until the extra grease shows.

Lubricate the backhoe every **8 HOURS** of operation and at the following locations:

The rod end of bucket cylinder bushing (Item 1) **[B]**.

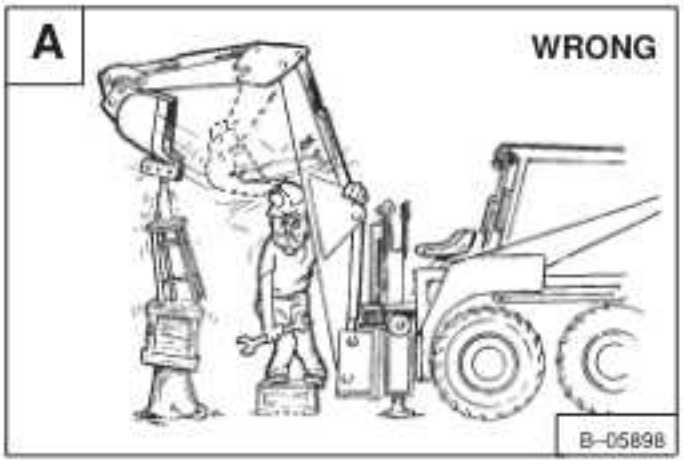
The bucket link pivot locations (Item 2) **[B]**.

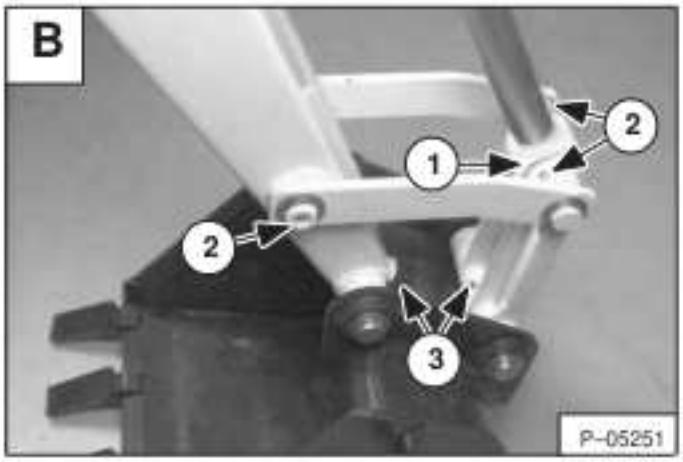
The bucket pivot pin (two) locations (Item 3) **[B]**.

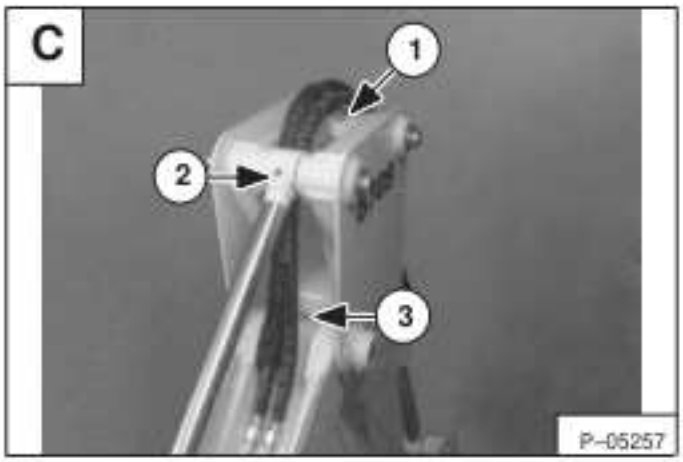
The base end of the bucket cylinder (Item 1) **[C]** and to the rod end of the arm cylinder (Item 2) **[C]**.

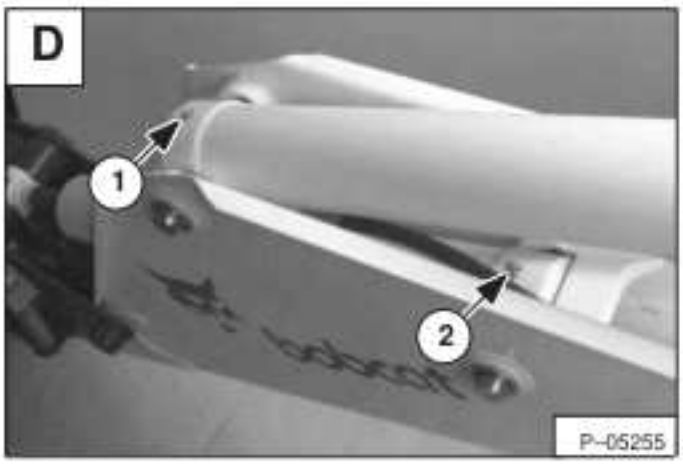
The arm pivot bushing (Item 3) **[C]**.

The base end of the arm cylinder (Item 1) **[D]** and to the base end of the boom cylinder (Item 2) **[D]**.



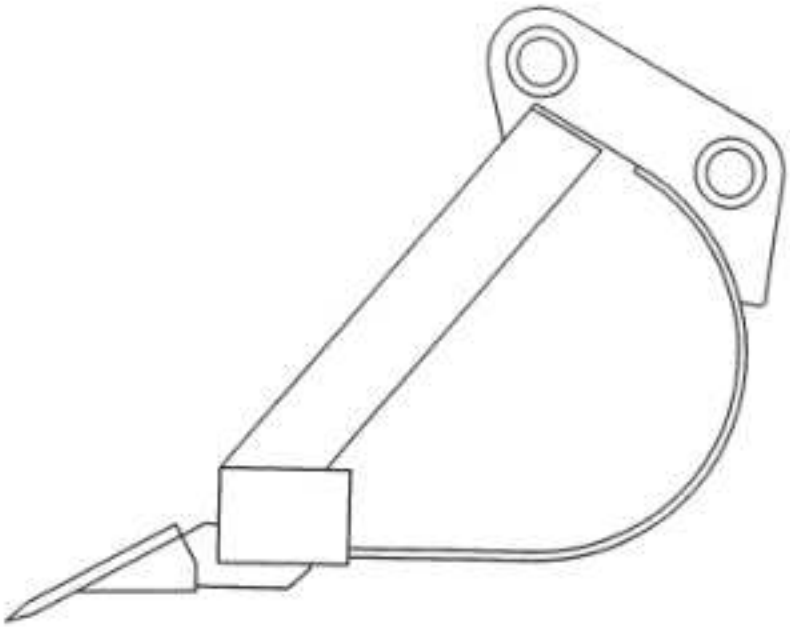






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BUCKET SPECIFICATIONS



MC–01411

Pin On Bucket	Bucket Size	Capacity SAE Heaped	Shipping Weight
	12 in. (305)	1.52 cu. ft. (0,043 cu. m.)	130 lbs. (59 kg)
	16 in. (406)	2.11 cu. ft. (0,060 cu. m.)	145 lbs. (66 kg)
	20 in. (508)	2.81 cu. ft. (0,080 cu. m.)	160 lbs. (73 kg)
	24 in. (610)	3.62 cu. ft. (0,103 cu. m.)	181 lbs. (82 kg)
	30 in. (762)	4.60 cu. ft. (0,130 cu. m.)	227 lbs. (103 kg)

X–Change™ Buckets	Bucket Size	Capacity SAE Heaped	Shipping Weight
	13 in. (330)	1.5 cu. ft. (0,042 cu. m.)	149 lbs. (67 kg)
	16 in. (406)	2.0 cu. ft. (0,056 cu. m.)	169 lbs. (76 kg)
	20 in. (508)	2.7 cu. ft. (0,076 cu. m.)	196 lbs. (89 kg)
	24 in. (610)	3.4 cu. ft. (0,096 cu. m.)	221 lbs. (100 kg)
	30 in. (762)	4.4 cu. ft. (0,124 cu. m.)	248 lbs. (112 kg)
	36 in. (914)	5.5 cu. ft. (0,156 cu. m.)	282 lbs. (128 kg)
	39 in. (991)	4.6 cu. ft. (0,130 cu. m.)	276 lbs. (125 kg)

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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.

Carefully follow the operating and maintenance instructions in this manual.

The Bobcat product 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 the Operation & Maintenance Manual.

WARNING

Operator must have instructions before operating the machine. Untrained operators can cause injury or death.

W–2001–0502

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 the loader.
  - Loader Operator Training Courses are available from your Bobcat dealer in English and Spanish. They provide information for safe and efficient equipment operation. Loader Safety videos are also available.
  - Service Safety Training Courses are available from your Bobcat dealer. They provide information for safe and correct service procedures.
- **KNOW THE WORK CONDITIONS**
  - Know the weight of the materials being handled. Avoid exceeding the Rated Operating 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.

SIA30–0502

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