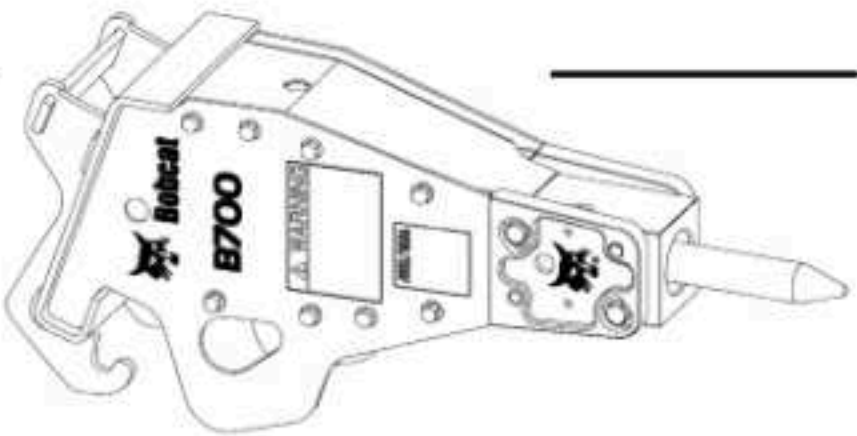
Hydraulic Breaker

B700

Bobcat®

Operation & Maintenance Manual

S/N 733200101 & Above



6901102 (4-03) Revised (6-05)

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REFERENCE INFORMATION

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

Hydraulic Breaker Serial Number _____

_____

_____

_____

NOTES:

_____

_____

_____

_____

_____

_____

_____

YOUR BOBCAT® 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 BREAKER ON EXCAVATORS AND LOADER BACKHOES

Excavator Auxiliary Hydraulics

Excavator Foot Pedal Activated Auxiliary Hydraulics

Figure OI-89

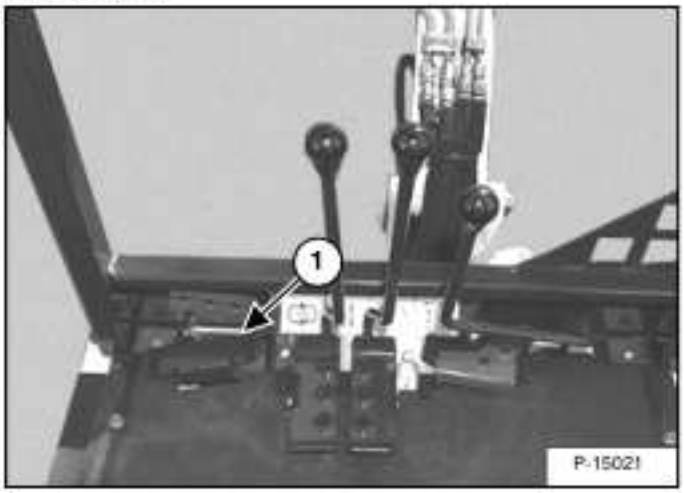
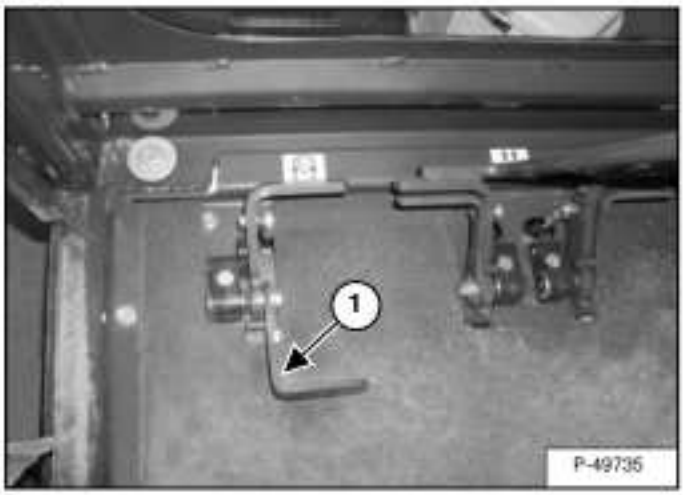


Figure OI-90



The pedal (Item 1) **[Figure OI-89]** or **[Figure OI-90]** is used to activate the auxiliary hydraulic function.

Press the right side of the pedal (Item 1) **[Figure OI-89]** or press the toe of the pedal (Item 1) **[Figure OI-90]** down to activate hydraulic pressure/flow to the female coupler (the breaker will operate).

The excavators are equipped with 2-way flow auxiliary hydraulics (either coupler can be pressurized). When using the breaker, pressurize the female coupler only.

Release the pedal (Item 1) **[Figure OI-89]** or **[Figure OI-90]** and the breaker will stop.

Removing pressure from the pedal stops the auxiliary flow.

Excavator Button Activated Auxiliary Hydraulics

Figure OI-91



Press the Auxiliary Hydraulics button (Item 1) **[Figure OI-91]** on the right console.

Figure OI-92



Press the switch (Item 1) **[Figure OI-92]** to activate hydraulic pressure/flow to the female coupler. (Breaker will operate.)

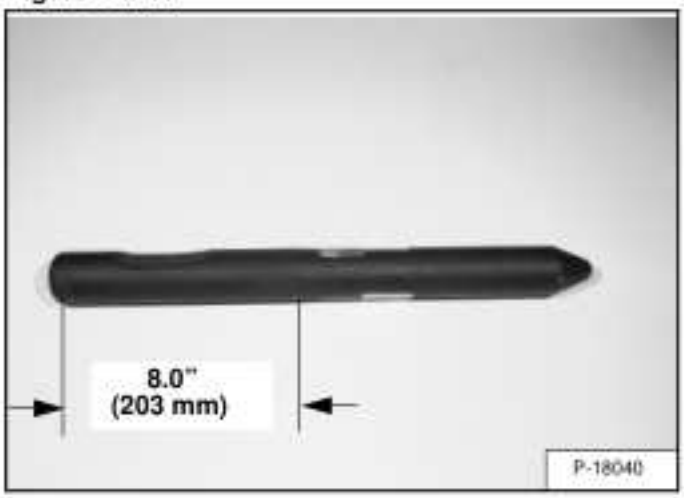
The excavators are equipped with 2-way flow auxiliary hydraulics (either coupler can be pressurized). When using the breaker, pressurize the female coupler only.

Press the switch (Item 1) **[Figure OI-92]** a second time and the breaker will stop.

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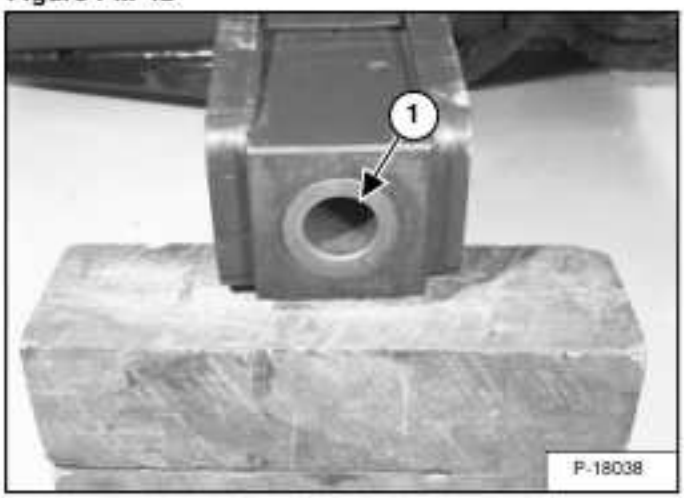
Installation

Figure PM-41



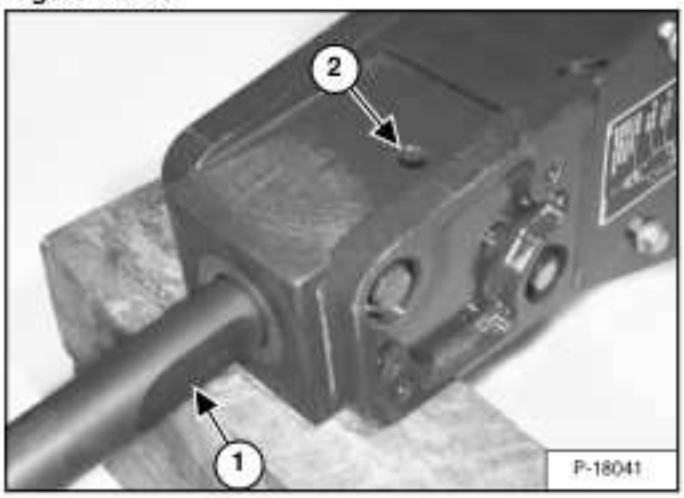
Apply grease to the top 8 inches (203 mm) of the bit **[Figure PM-41]**.

Figure PM-42



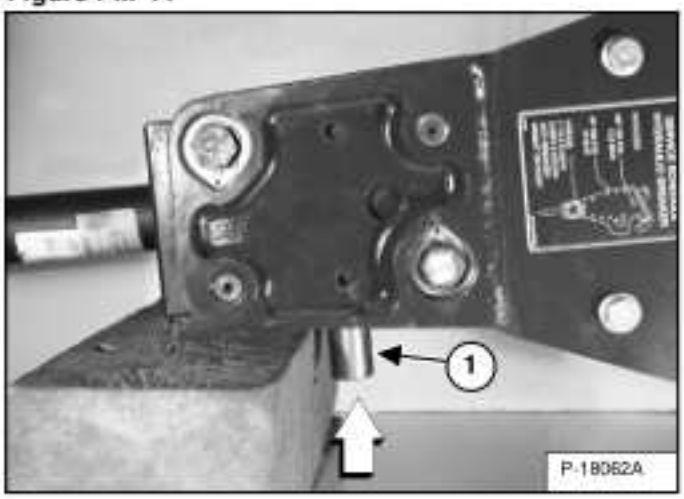
Apply grease to the inside diameter of the lower bushing (Item 1) **[Figure PM-42]**.

Figure PM-43



Install the bit in the breaker, aligning the notch in the bit (Item 1) with the bit retaining pin (Item 2) **[Figure PM-43]**.

Figure PM-44

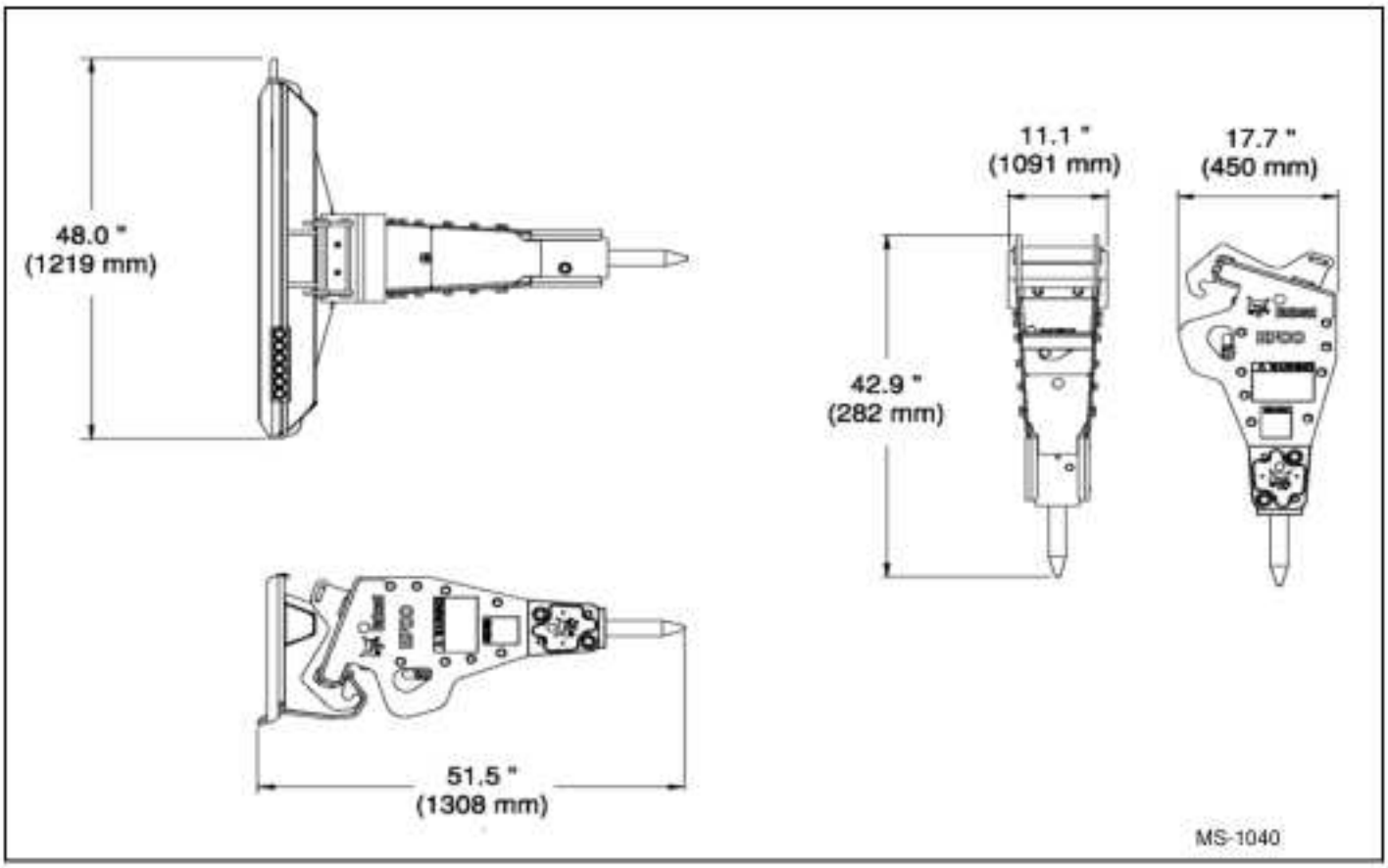


Install the bit retaining pin (Item 1) **[Figure PM-44]** in to the breaker.

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SPECIFICATIONS

- All dimensions are shown in inches. Respective metric dimensions are given in millimeters enclosed by parentheses.
- Where applicable, specifications conform to SAE and ISO standards and are subject to change without notice.



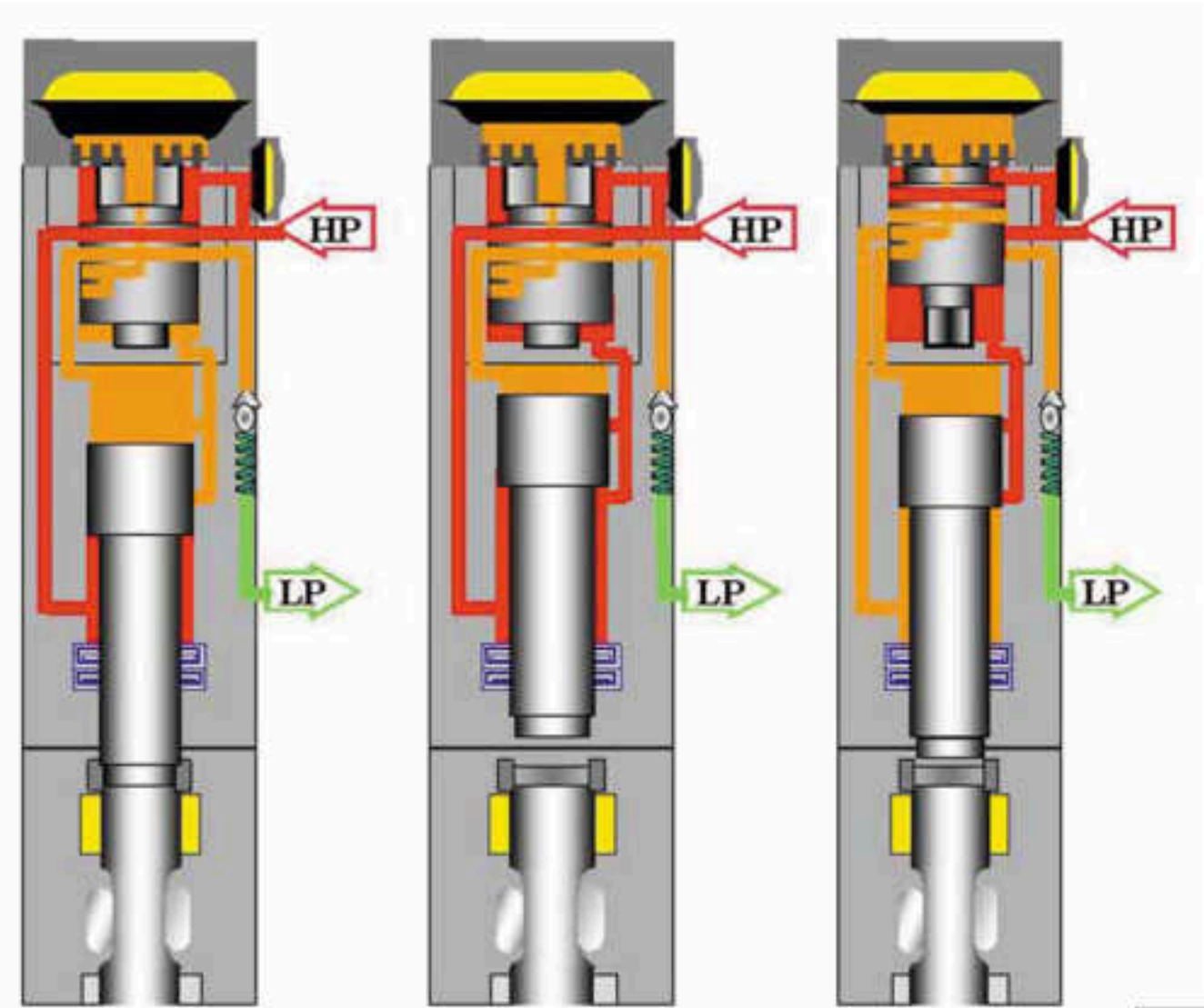
B700 HYDRAULIC BREAKER	
Weight	
With X-Change® Mount	320 lbs. (145 Kg)
With Bob-Tach/X-Change® Mount	523 lbs. (237 Kg)
Blow Rate	925 BPM @ 7.26 GPM (27,34 Lpm)
Hydraulic Flow	5.3 - 15.2 GPM (20-58 Lpm)
Operating Pressure	1800 psi (124 Bar)
Bit Diameter	1.96 inch (49,8 mm)
Bit Working Length	10.0 inch (254 mm)
Bits Available	Conical Moil Nail Inline Chisel Cross Cut Chisel Asphalt Chisel Blunt Tamping Pad

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Hydraulic pressure enters the breaker and goes through the distributor filling the lower piston cavity

The piston moves up and high pressure fluid is supplied to both the top and bottom sides of the distributor. The area below the distributor is larger and forces the distributor up.

The distributor now allows medium pressure fluid to enter both the upper and lower chambers of the piston. Both chambers are at the same pressure. The oil in the MP accumulator, plus the oil in the lower piston goes through the distributor and fills the upper chamber providing the strike energy. The piston moves down.



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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.

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

The Bobcat machine 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.

Safe Operation Needs A Qualified Operator

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

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 or she can operate the machine and attachment safely under all conditions of the work area. Always fasten seat belt before operating.

Know the Work Conditions

- Know the weight of the materials being handled. Avoid exceeding the machine load capacities. 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 or she 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 *USE SAFETY RULES* Section of this manual.
- Wear tight fitting clothing. Always wear safety glasses when doing maintenance or service. Safety glasses, hearing protection, Special Applications Kits or a Front Window Guard are required for some work. See your Bobcat dealer about Bobcat Safety equipment for your machine.

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