Hydraulic Breaker

Bobcat® Service Manual

1250 (S/N 157000101 AND ABOVE)
1250X (S/N 157800101 AND ABOVE)
1560 (S/N 702000101 AND ABOVE)
2500 (S/N 229800101 AND ABOVE,
S/N 693200101 AND ABOVE
S/N 705200101 AND ABOVE,
S/N 780900101 AND ABOVE,
S/N 896708001 AND ABOVE)
2560 (S/N 617900101 AND ABOVE)
2570 S/N 573306139 AND ABOVE)
3500 (S/N 006500101 AND ABOVE,
S/N 705400101 AND ABOVE,
S/N 897200101 AND ABOVE)
3560 (S/N 615800101 AND ABOVE)
3570 (S/N 573500878 AND ABOVE)
5060 (S/N 754400101 AND ABOVE)
(S/N 754600101 AND ABOVE)
5500 (S/N 154700101 AND ABOVE)
6560 (S/N 166500101 AND ABOVE,
S/N 472900101 AND ABOVE)



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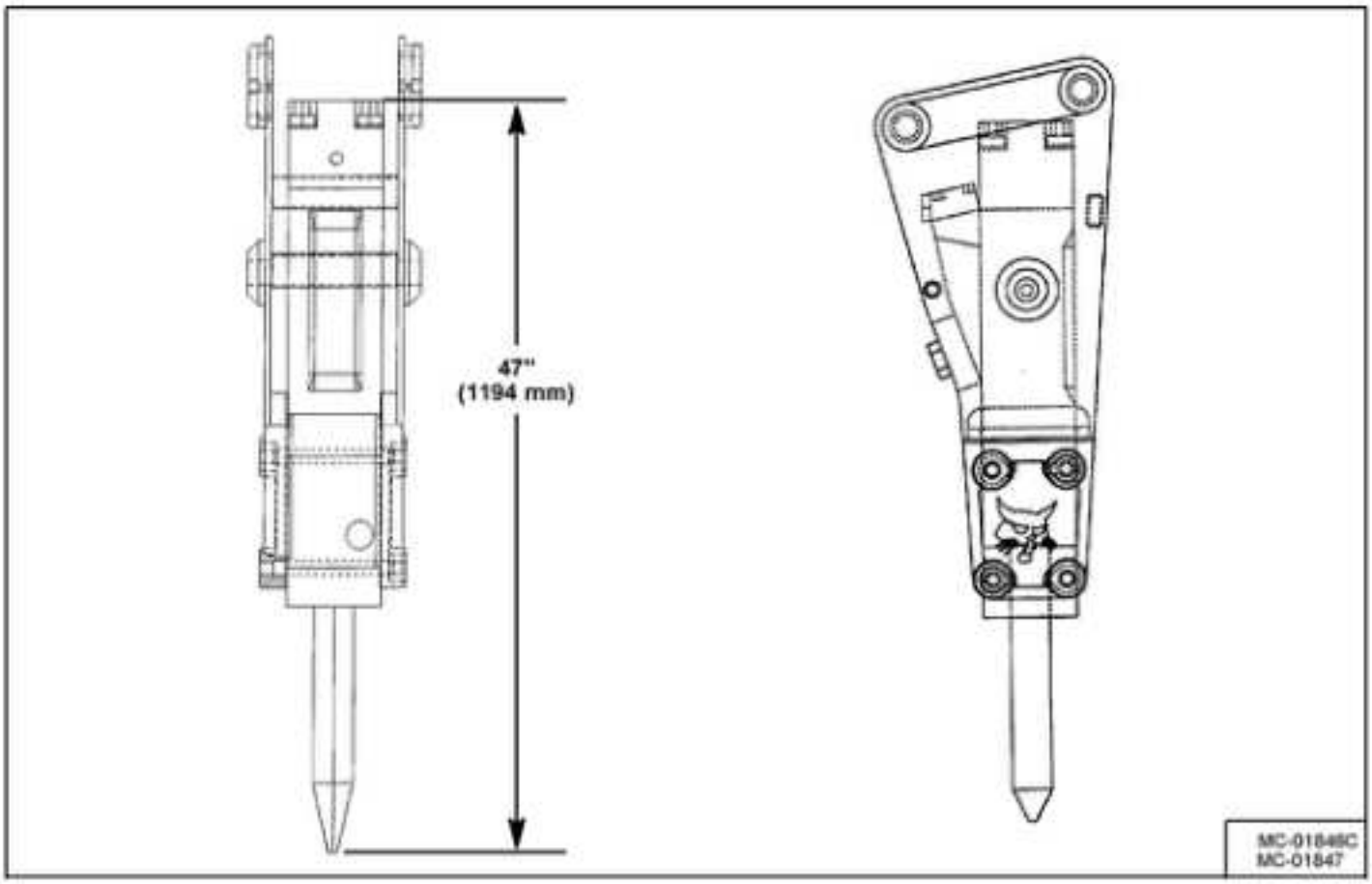
CALIFORNIA
PROPOSITION 65 WARNING

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

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SPECIFICATIONS

- Dimensions are given for loader equipped with standard tires. Dimensions may vary with other types. All dimensions are shown in inches. Respective metric dimensions are given in millimeters enclosed by parentheses.
- Where applicable, specifications conform to SAE or ISO standards and are subject to change without notice.



WEIGHT	
Breaker With Cradle and Tool	470 lb. (210 kg)
Two Position Frame	360 lb. (160 kg)
ENERGY	
2570	300 ft.-lb. Class
3570	500 ft.-lb. Class
BLOWS PER MINUTE (Hyd. Oil @ 200°F) (93.3°C) 2570	1000 @ 12.5 GPM (47 L/min.)
3570	1020 @ 15 GPM (57 L/min.)
RECOMMENDED HYDRAULIC OIL FLOW	
(For Optimum Performance) 2570	11 to 18 GPM (19 to 68 L/min.)
3570	13 to 18 GPM (26 to 68 L/min.)

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TROUBLESHOOTING THE HYDRAULIC BREAKER

⚠ WARNING

Instructions are necessary before operating or servicing machine. Read Operation & Maintenance Manuals, 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.

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If the Hydraulic Breaker is not working correctly, check the hydraulic system of the Bobcat Loader or excavator thoroughly before making any repairs on the breaker. Hydraulic Breaker performance can be affected by a hydraulic system that is not operating to specifications or such problems as a plugged fuel filter or hydraulic filter in the loader or excavator. Connect a flow meter to the loader or excavator to check the hydraulic pump output, relief valve setting and tubelines to check flow and pressure. (See the loader/excavator Service Manual for the correct procedure to connect the flow meter.)

If the loader or excavator operation is found to be correct, use the following troubleshooting chart to locate and correct problems with the Hydraulic Breaker which most often occur.

PROBLEM	CAUSE	CORRECTION
Breaker will not fire.	Loader or excavator main relief valve set too low.	Adjust main relief valve to correct setting.
	Loader or excavator fluid reservoir is low.	Add hydraulic fluid to the fluid reservoir on the loader or excavator.
	No hydraulic flow to the breaker.	Check the hydraulic flow to the breaker.
	Loader or excavator hydraulic pump not working.	Check flow of loader hydraulic pump. Repair or replace as needed.
	Nitrogen chamber not at correct pressure.	Charge to required pressure.
	Damaged electrical connection to breaker valve (backhoe mounted unit only).	Check wiring harness and switch.
	Damaged quick couplers.	Replace quick couplers.
Breaker runs very slowly or blow per minute reducing.	Loader or excavator main relief valve set too low.	Adjust main relief valve to correct setting.
	Not enough hydraulic flow.	Test loader or excavator hydraulics for correct flow and pressure.
	Excessive heat build up.	Check oil cooler for debris and air flow. Check loader or excavator relief valve pressure.
	Damaged quick couplers.	Replace quick couplers.
	Nitrogen chamber over-pressurized or loss of pressure.	Remove gas and refill to correct pressure.
	Internal leakage.	Check seals and O-rings in the breaker. Check piston, sleeve and seal carrier for wear.
	Excessive back pressure.	Check for plugged or bent return lines.

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