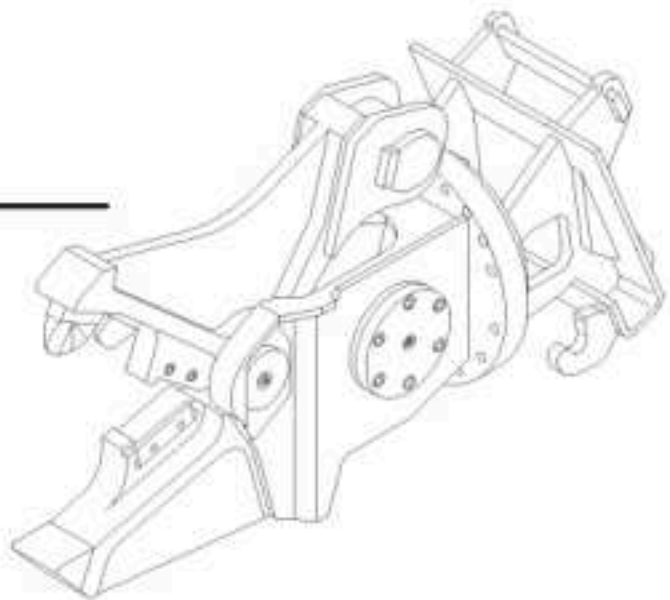
Cutter Crusher

Model 30
Model 40

Bobcat®

Service Manual

Model 30 – S/N 991100101 & Above
Model 40 – S/N 991300101 & Above



Bobcat
Printed in U.S.A.

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CALIFORNIA
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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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⚠ WARNING

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 Cutter Crusher is not working correctly, check the hydraulic system of the Bobcat loader or excavator thoroughly before making any repairs on the crusher. Cutter Crusher problems 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 Service Manual for the correct procedure to connect the flowmeter.

PROBLEM	CAUSE	CORRECTION
Cutter Crusher does not crush.	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 cutter crusher.	Check the hydraulic flow.
	Loader or excavator hydraulic pump not working..	Check flow of hydraulic pump. Repair or replace as needed.
	Worn crusher teeth.	Re–hard surface crusher jaw and teeth, replace teeth.
	Damaged quick couplers.	Replace quick couplers.
	Internal leakage of hydraulic cylinder.	Repair or replace hydraulic cylinder.
Cutter crusher does not cut.	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 cutter crusher.	Check the hydraulic flow.
	Loader or excavator hydraulic pump not working.	Check flow of hydraulic pump. Repair or replace as needed.
	Worn cutting blades.	Rotate or replace blades.
	Incorrect blade clearance.	Check and adjust blade clearance.
	Internal leakage of hydraulic cylinder.	Repair or replace hydraulic cylinder.
Crusher jaw does not move.	Loader or excavator main relief valve set too low.	Adjust main relief valve to correct setting.
	Excessive back pressure.	Check for plugged or bent return lines.
	Crusher jaw blocked.	Remove debris from jaw.
	Damaged quick couplers.	Replace quick couplers.
	Internal leakage of hydraulic cylinder.	Repair or replace hydraulic cylinder.
	Hydraulic cylinder rod bent.	Repair or replace hydraulic cylinder.
	Loader or excavator fluid reservoir is low.	Add hydraulic fluid to the fluid reservoir on the loader or excavator.
Excessive jaw movement.	Worn pins and bushings.	Replace pins and bushings.

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