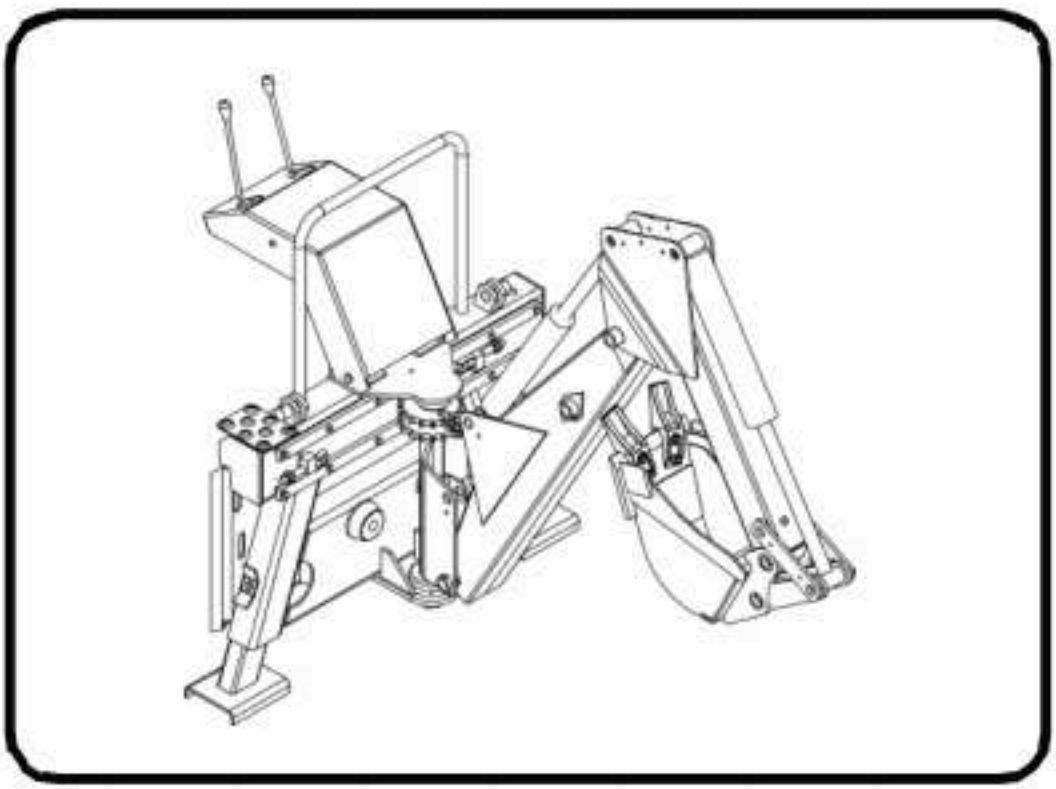
Bobcat

Service Manual
Backhoe

(Bob-Tach Mounted) S/N 074600101 & Above

(406) S/N 631010000 & Below
(406) S/N 631010001 & Above
(506) S/N 631110000 & Below
(506) S/N 631110001 & Above
(607) S/N 775002278 & Above
(607) S/N A5CW00101 & Above
(709) S/N 270007245 & Above
(709) S/N A54M00101 & Above
(709FDS) S/N 584101444 & Above
(709FDS) S/N A5F300101 & Above
(8811) S/N 630100101 & Above
(8811) S/N A55800101 & Above
(MO6) S/N 631200101 & 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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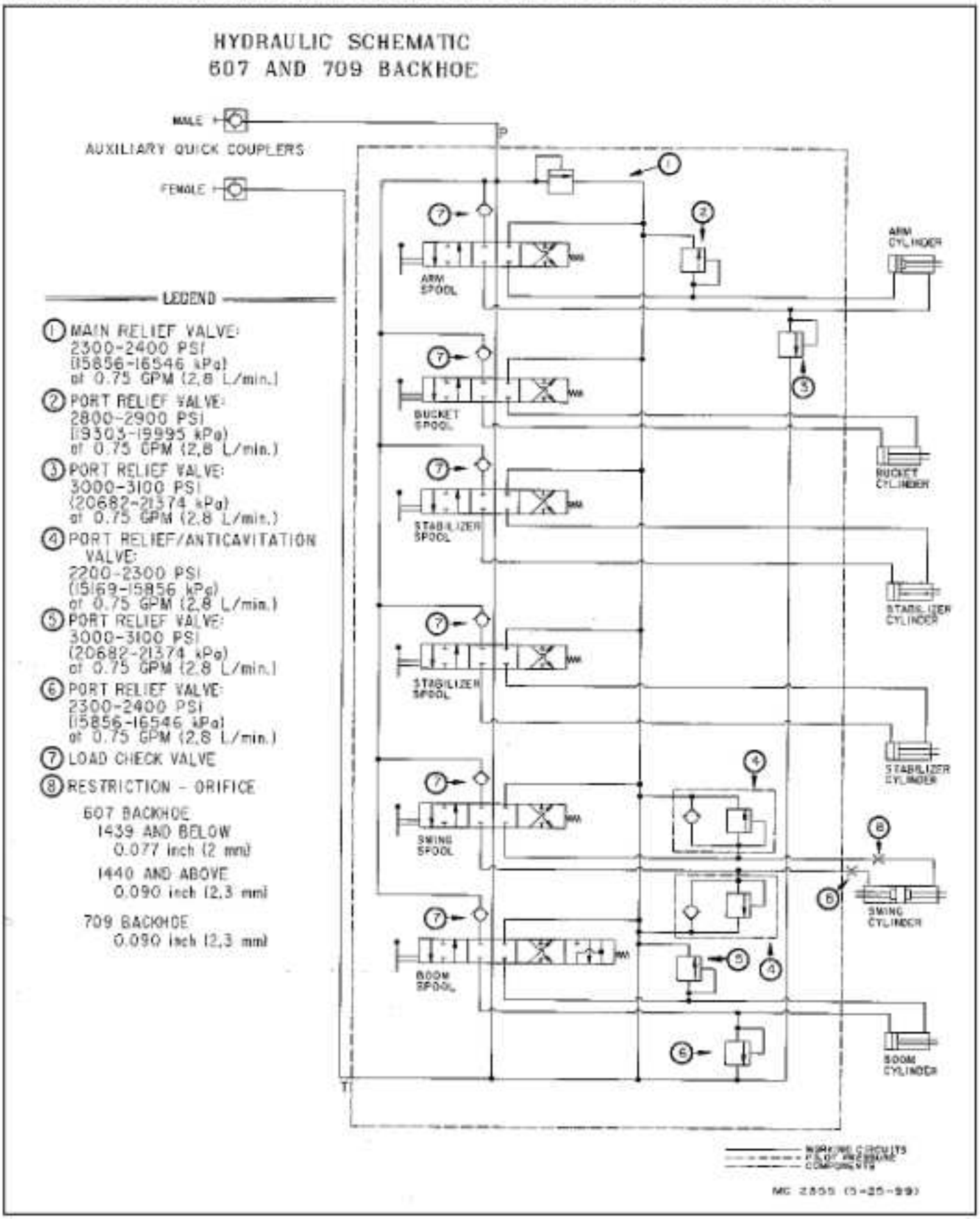
BACKHOE SPECIFICATIONS (CONT'D)

BUCKET MOUNTING SYSTEM	
Pin-on	
WEIGHT	
Backhoe Weight (W/O Bucket) (Model 406)	507 lb. (230 kg)
Backhoe Weight (W/O Bucket) (Model 506)	531 lb. (241 kg)
AVAILABLE BUCKET WIDTHS	
9 in. (229 mm)	
12 in. (305 mm)	
16 in. (406 mm)	
20 in. (508 mm)	

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HYDRAULIC SCHEMATIC

607 (S/N 270007245 & Above), 709 (S/N 584101444 & Above), 709FDS (S/N 775002278 & Above)



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⚠ WARNING

AVOID INJURY OR DEATH

Instructions are necessary before operating or servicing machine. Read and understand the Operation & Maintenance Manual, Operator's 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. Untrained operators and failure to follow instructions can cause injury or death.

W-2003-0807

PROBLEM	CAUSE	CORRECTION
Loss of hydraulic action.	The auxiliary control on the loader is not engaged.	The auxiliary control must be activated.
	The male and female quick couplers on the Backhoe hoses are not installed on the correct hoses.	Reverse the quick couplers on the hydraulic hoses of the Backhoe.
	Hydraulic fluid level is low.	*Add fluid of the correct type.
Hydraulic action is not smooth.	Hydraulic fluid level is low.	*Add fluid of the correct type.
	Air in the hydraulic system.	Operate all the cylinders (except the swing cylinder) as far as possible both ways and hold the controls for several seconds after the cylinders reached the end of the strokes.
No cushion in the swing cylinder.	Air in the cylinder caused by a leak or repair of the swing cylinder.	Repair as needed. Remove the air from the cylinder.
Swing chain breaking.	Not adjusted correctly.	Adjust the chain.

*See the loader's Operation & Maintenance Manual, Specification Section for the correct type of fluid to use.

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