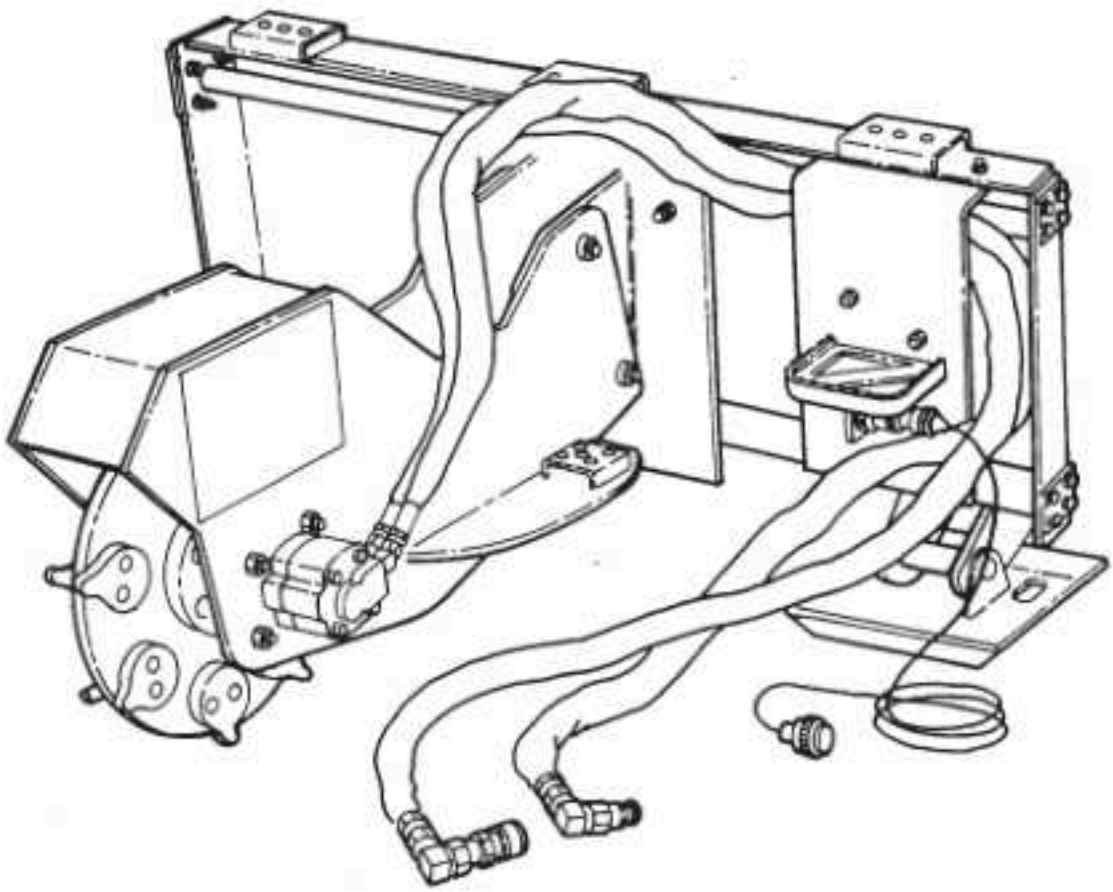
STUMP GRINDER

SG–25
SG–50

SG–25 (S/N 879300101 & Above)
SG–50 (S/N 702100101 & Above)

SERVICE MANUAL



MELROE
INGERSOLL-RAND

6900892 (9–99)

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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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⚠ WARNING

Instructions are necessary before operating or servicing machine. Read and understand the 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. Untrained operators and failure to follow instructions can cause injury or death.

W–2003–0199

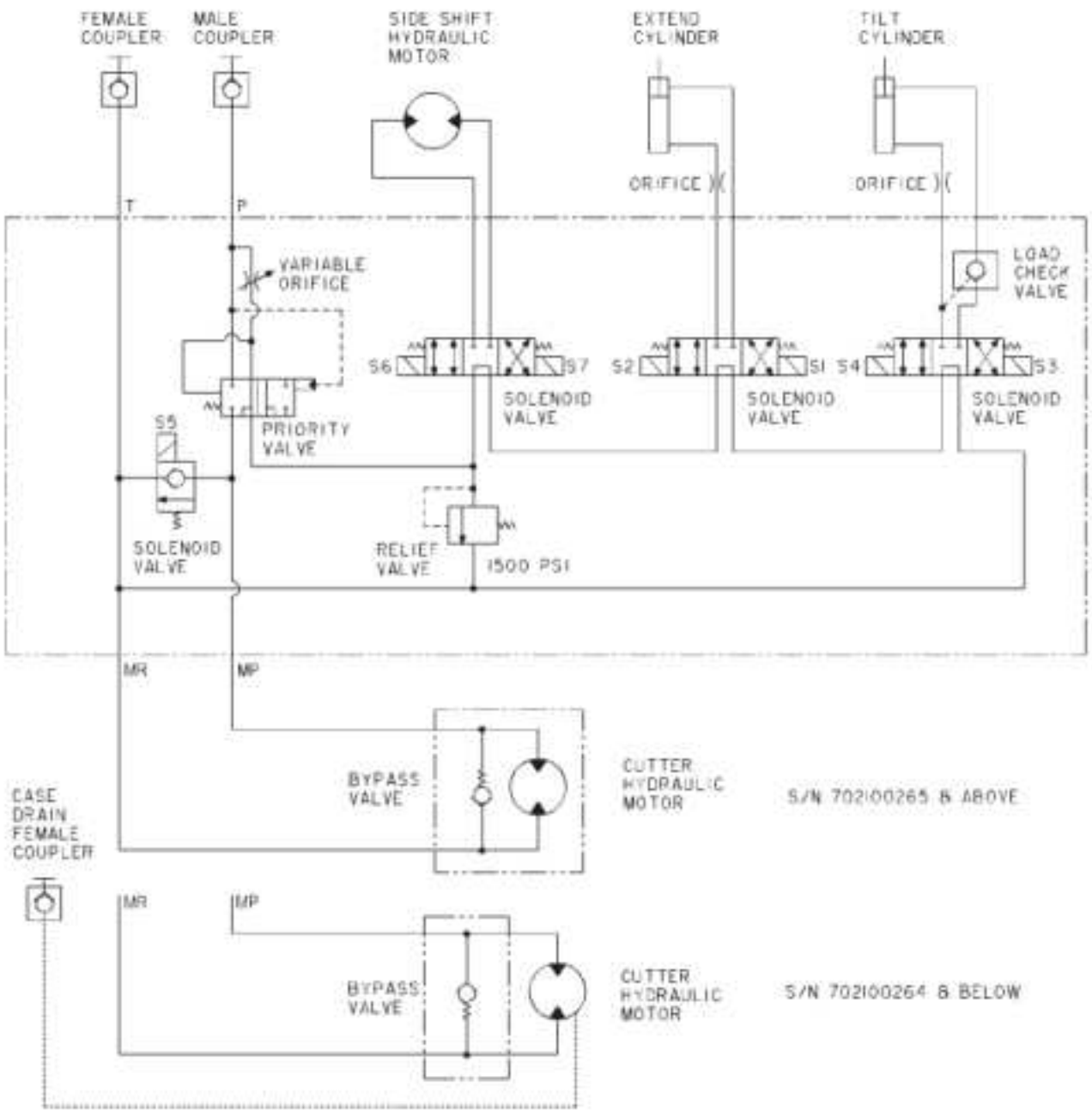
If the Stump Grinder is not working correctly, check the hydraulic system of the machine thoroughly before making any repairs on the Stump Grinder. Stump Grinder problems can be affected by a hydraulic system that is not operating to specifications. Connect a flow meter to the loader to check the hydraulic pump output, relief valve setting and tubelines to check flow and pressure. (See the loader Service Manual for the correct procedure to connect the flow meter.)

Use the following troubleshooting chart to locate and correct problems which most often occur with the Stump Grinder.

PROBLEM	CAUSE	CORRECTION
Functions too slow or weak	Auxiliary relief setting is below 1500 PSI	Reset Relief
Sideshift stalls	Slide tubes misaligned. Motor worn internally because of excessive chain tension	Re–align tubes Replace motor Set the chain tension
Cutter head hops excessively	Missing cutter. Dull cutter(s) Improper cut technique. Cutter setting wrong	Replace cutter(s) Check cutting technique Reset cutter(s)
Productivity seems low	One or more cutter(s) dull. High flow switch off. Failed spring in the coasting valve	Replace cutter Head should speed up when High Horsepower switch is on. Replace spring
Cutter head stops when side shift is engaged	Jumper wire missing or in wrong pin location	Check for connection
Motor shaft seal leaks	Case drain coupler loose. Seal damaged	Tighten case drain connection. Replace seal
Head lifts or extends too fast	Orifice fitting missing	Add orifice fitting at cylinder base.

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HYDRAULIC SCHEMATIC SG–50



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