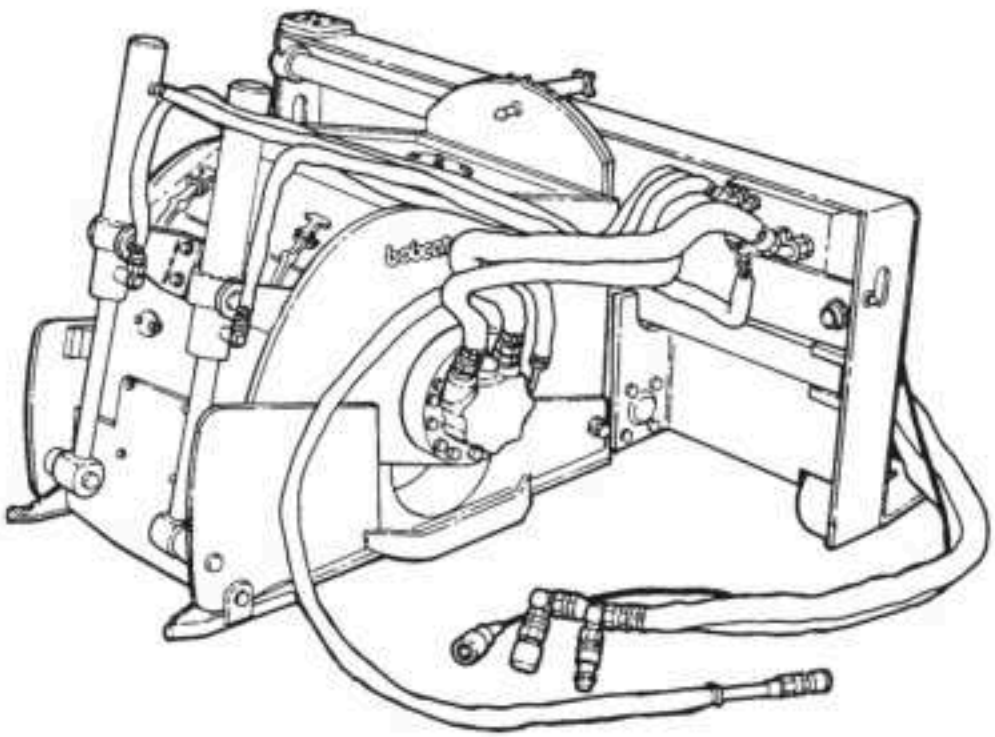
PLANER

(S/N 178100101 & Above)
(S/N 887400101 & Above)
(S/N 052300101 & Above)
(S/N 303600101 & Above)
(S/N 400101001 & Above)
(S/N 400201001 & Above)
(S/N 910200101 & Above)
(S/N 910300101 & Above)
(S/N 341000101 & Above)
(S/N 721700101 & Above)

Service Manual



MELROE
INGERSOLL-RAND

6900886 (11-99)

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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 Planer is not working correctly, check the hydraulic system of the machine thoroughly before making any repairs on the Planer. Planer 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 your Bobcat loader Dealer or the loader Service Manual for the correct procedure to connect the flow meter.)

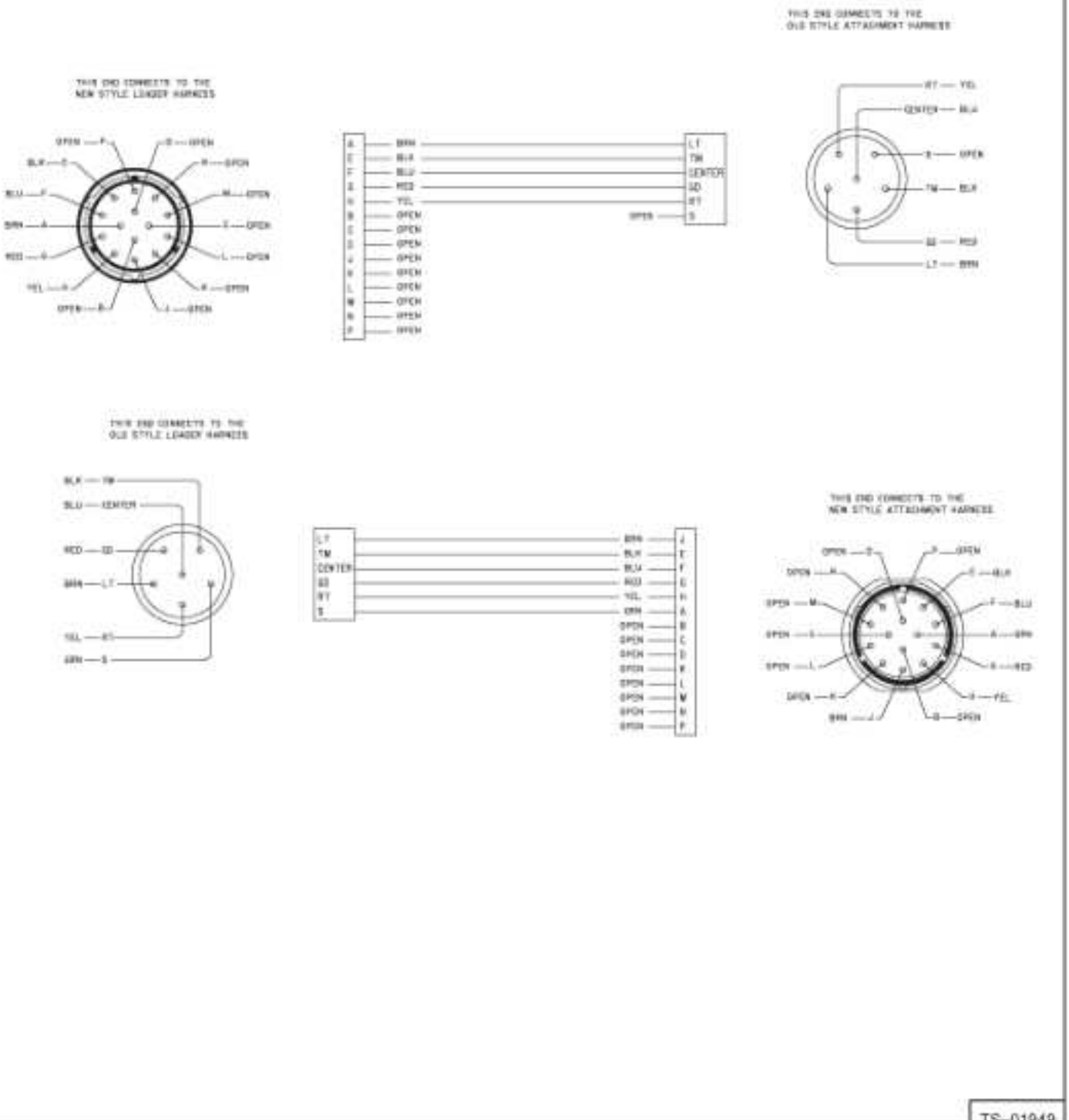
Use the following troubleshooting chart to locate and correct problems which most often occur with the Planer.

PROBLEM	CAUSE	CORRECTION
Planer cut is inadequate.	Carbide bits worn or missing.	Replace the carbide bits.
Planer will not side shift.	Not enough hydraulic pressure.	Test loader hydraulics for flow and pressure.
Noisy Motor (with no load).	Vibration; loose bolts.	Check torque.
	Humming; worn bearings.	Replace bearings.
Noisy Motor (with load).	Hydraulic leaks.	Check cylinder block and valve block assembly.
Planer motor does not rotate.	Large couplers are reversed.	Switch couplers.
	Excessive hydraulic leakage.	Check hoses and motor block.
	No hydraulic flow.	Check pump drive and pump inlet.
	No hydraulic pressure.	Valves damaged or corroded.
	Loader hydraulic pump not working.	Repair or replace as needed.
Planer loaded motor does not turn at normal speed.	Not enough hydraulic flow.	Check pump flow and rotation speed. Check *Hi Flow* diverter valve.
	Internal leaks.	Check cylinder block and valve block assembly.
		Check motor.
Planer motor with load doesn't turn.	Hydraulic pressure is low.	Check relief valve setting.
	Internal hydraulic leaks.	Check motor.
Ski motor turns irregularly.	Adjustment screws bind.	Clean dirt & debris from adjustment screws.
External oil leaks.	Motor case pressure too high.	Check the case drain line.
	Defective end cover.	Check bolt torque.
	Defective assembly.	Check case drain line for blockage.
	Damaged O–rings.	Replace O–rings as needed.

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ADAPTER WIRE HARNESS SCHEMATIC



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