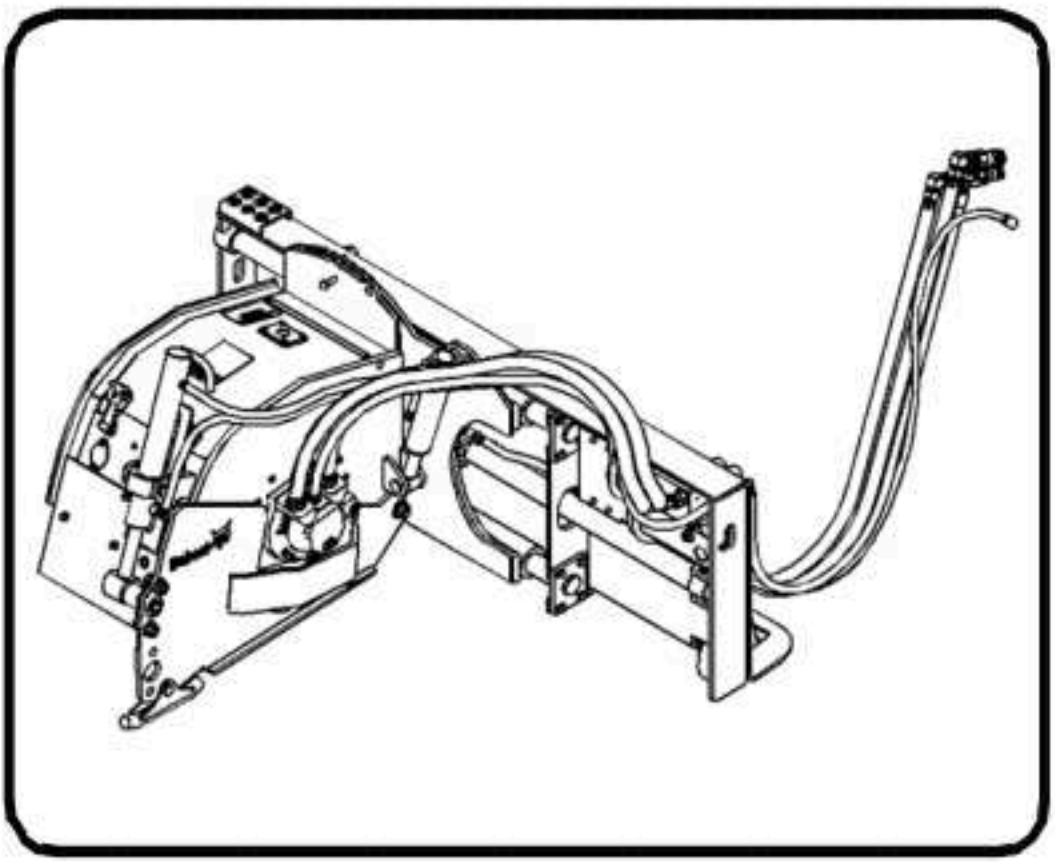
Bobcat

Service Manual
Planer

(14 Planer) S/N 231200101 & Above
(18 Hyd Planer) S/N 231611101 & Above
(24 Hyd Planer) S/N 231711101 & Above

(Surface Planer) S/N 231100101 & Above
(40 Hyd Planer) S/N 991400101 & Above
(Curb Planer) S/N 234000101 & Above



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Chart (40 in. High Flow)

⚠ WARNING

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

If the attachment is not working correctly, check the hydraulic system of the machine thoroughly before making any repairs on the attachment. Attachment problems can be affected by a hydraulic system that is not operating to specifications. Connect a flow meter to the machine to check the hydraulic pump output, relief valve setting and tube lines to check flow and pressure. (See the machine's 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 attachment.

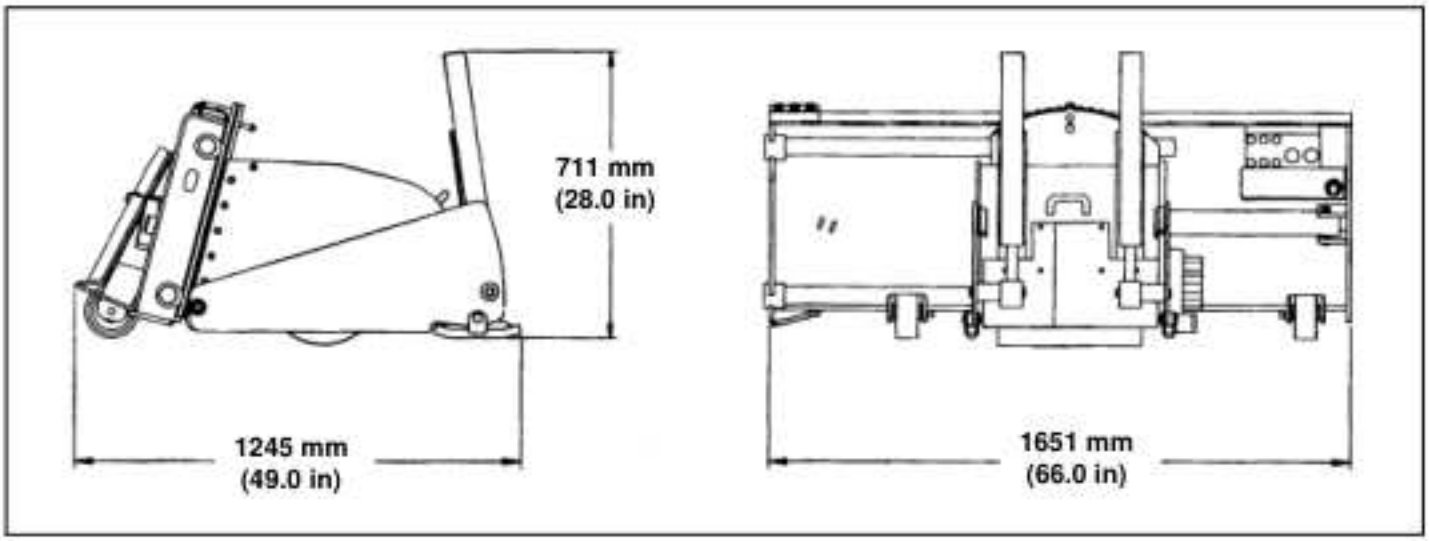
PROBLEM	CAUSE	CORRECTION
Planer cut is inadequate.	Carbide bits worn or missing.	Replace the carbide bits.
Noisy motor (with load).	Vibration; loose bolts.	Check torque.
External oil leaks.	Motor case pressure too high.	Check the case drain line and quick couplers.
	Defective assembly.	Check case drain line for blockage.
	Damaged O-rings.	Replace O-rings as needed.
Planer will not side shift.	Valve lever not in the side shift position.	Move valve lever to side shift position.
	Not enough hydraulic pressure.	Test loader hydraulics for flow and pressure.
Planer will not angle.	Valve lever not in the plane angle position.	Move valve lever to planer angle position.
	Not enough hydraulic pressure.	Test loader hydraulics for flow and pressure.
Drum motor with load does not turn.	Hydraulic pressure is low.	Check relief valve setting.
	Internal hydraulic leaks.	Check motor.
Noisy motor (with no load).	Humming; worn bearings.	Replace bearings.
Loaded motor does not turn at normal speed.	Not enough hydraulic flow.	Check pump flow and rotation speed.
	Internal leaks.	Check cylinder block and valve block assembly.
		Check motor.
Drum motor does not rotate.	Front auxiliary hydraulics not engaged.	Engage the loader front auxiliary.
	Couplers are reversed.	Switch couplers.
	Excessive hydraulic leakage.	Check hoses and motor block.
	Hydraulic leaks.	Check cylinder block and valve block assembly.
	No hydraulic flow.	Check pump drive and pump inlet.
	No hydraulic pressure.	Valves damaged or corroded.
	Debris in orifice.	Clean orifice and / or valve body.
Planer does not mill to correct depth.	Carbide bits worn.	Replace the carbide bits.
	Depth decals misplaced or missing.	Replace with new depth decals.
	Skis worn.	Replace skis.

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SPECIFICATIONS (CONT'D)

Dimensions (18 & 24 in. High Flow)

- All dimensions are shown in millimeters. Respective imperial dimensions are given in inches enclosed by parentheses.
- Where applicable, specifications conform to **SAE and ISO** standards and are subject to change without notice.

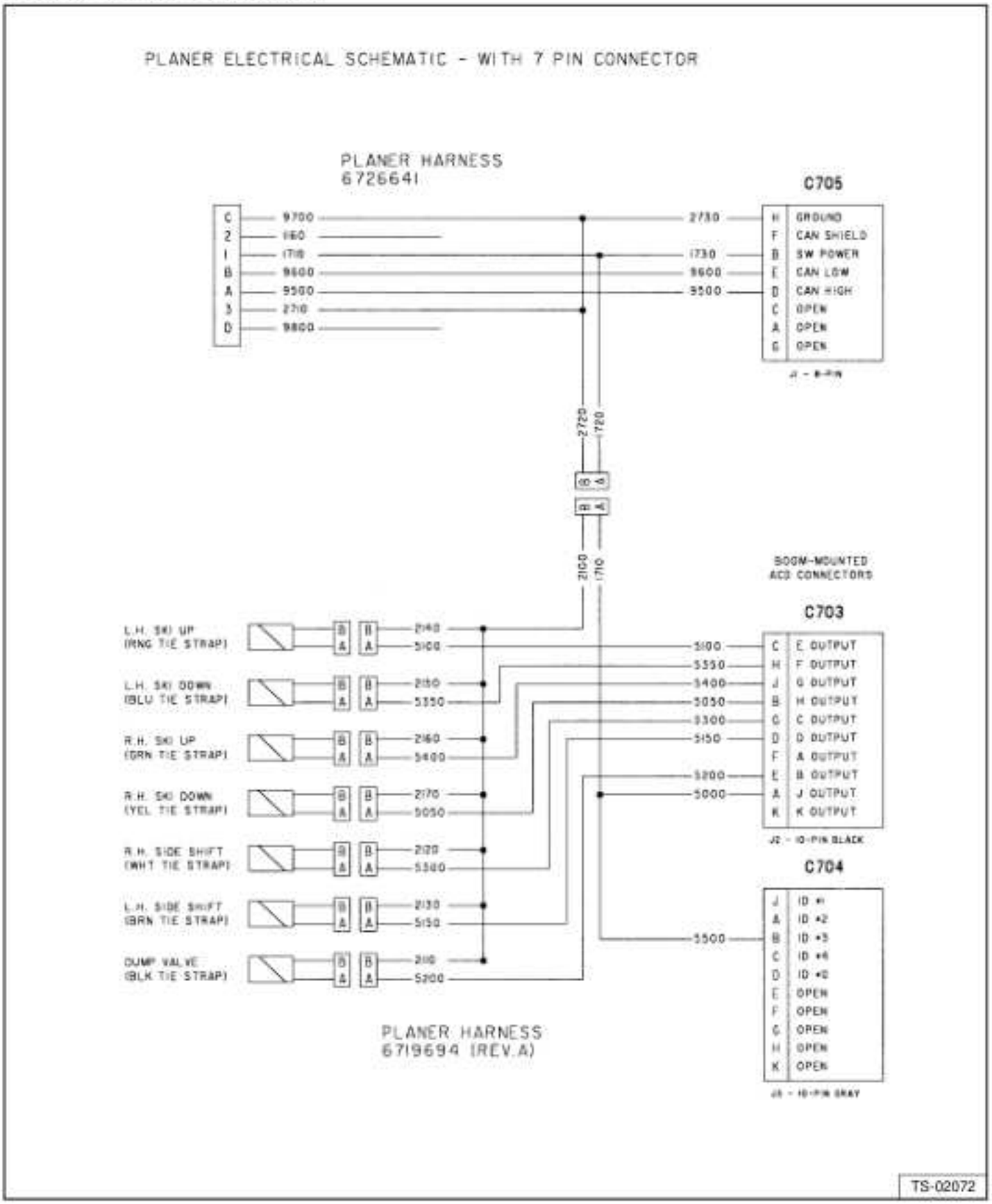


DESCRIPTION	18 HYD PLANER	24 HYD PLANER
Overall Width Overall Length Overall Height	1651 mm (66.0 in) 1245 mm (49.0 in) 711 mm (28.0 in)	1651 mm (66.0 in) 1245 mm (49.0 in) 711 mm (28.0 in)
Attachment Weight (Less Drum) Side Shift Cylinder Stroke	572 kg (1260 lb) 660 mm (26.0 in)	635 kg (1400 lb) 660 mm (26.0 in)
Drum Cutting Angle Cutting Depth Drum Diameter Drum Width Tool Bit Diameter Planing Distance Next To Curb	±15° 0 - 152 mm (0 - 6 in) 451 mm (17.750 in) 457 mm (18.0 in) 603 mm (23.750 in) 1829 mm (72.0 in)	±15° 0 - 152 mm (0 - 6 in) 451 mm (17.750 in) 610 mm (24.0 in) 603 mm (23.750 in) 2007 mm (79.0 in)

DESCRIPTION	NO. OF BITS	CUTTING WIDTH	CUTTING DEPTH	WEIGHT
24 in. Smooth Cut	124	610 mm (24.0 in)	0 - 152 mm (0 - 6 in)	210 kg (460 lb)
24 in. Fast Cut	84	610 mm (24.0 in)	0 - 152 mm (0 - 6 in)	178 kg (391 lb)
18 in. Smooth Cut	84	457 mm (18.0 in)	0 - 152 mm (0 - 6 in)	155 kg (340 lb)
18 in. Fast Cut	47	457 mm (18.0 in)	0 - 152 mm (0 - 6 in)	130 kg (285 lb)
16 in. Smooth Cut	84	406 mm (16.0 in)	0 - 152 mm (0 - 6 in)	127 kg (280 lb)
16 in. Fast Cut	47	406 mm (16.0 in)	0 - 152 mm (0 - 6 in)	118 kg (260 lb)
14 in. All Purpose	46	356 mm (14.0 in)	0 - 152 mm (0 - 6 in)	111 kg (240 lb)
12 in. All Purpose	40	305 mm (12.0 in)	0 - 152 mm (0 - 6 in)	110 kg (245 lb)
8 in. All Purpose	34	203 mm (8.0 in)	0 - 152 mm (0 - 6 in)	86 kg (189 lb)
6 in. All Purpose	32	152 mm (6.0 in)	0 - 152 mm (0 - 6 in)	75 kg (165 lb)
2 1/2 in. Slot Cutting	21	64 mm (2.5 in)	0 - 152 mm (0 - 6 in)	41 kg (90 lb)

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Electrical Schematic - 7 Pin Harness



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