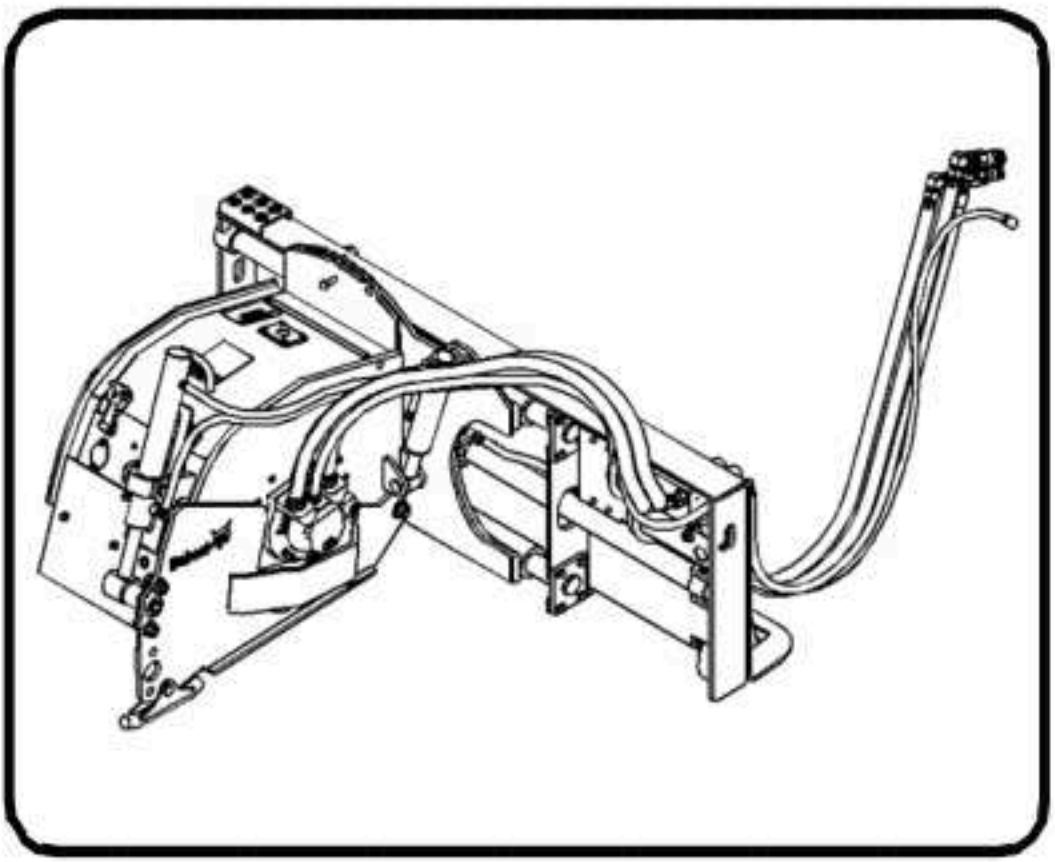
Bobcat®

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 (16 in. Surface)

⚠ 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.

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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.

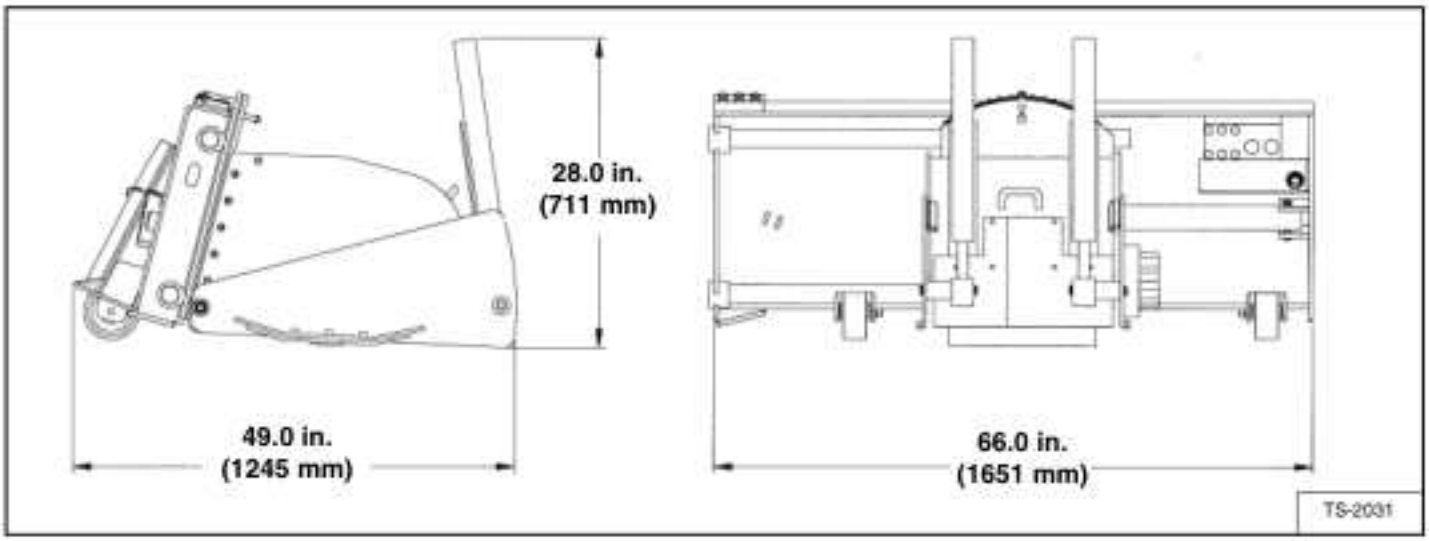
PROBLEM	CAUSE	CORRECTION
Planer cut is inadequate.	Carbide bits worn or missing.	Replace the carbide bits.
Noisy motor (with load).	Vibration; loose bolts.	Check torque.
External oil leaks.	Motor case pressure too high.	Check the case drain line.
	Defective assembly.	Check case drain line for blockage.
	Damaged O-rings.	Replace O-rings as needed.
	Defective end cover.	Check bolt torque.
Planer will not side shift.	Damage to wiring or electrical connectors.	See your Bobcat dealer.
	Not enough hydraulic pressure.	Test loader hydraulics for flow and pressure.
	Planer housing seized or rusted in place.	Remove rust or material interference.
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. Check Hi Flow diverter valve. Make sure Hi Flow is ON.
	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.
	Large 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.
Planer does not mill to correct depth.	Carbide bits worn depth.	Replace the carbide bits.
	Decals misplaced or missing.	Replace with new decals.
	Ski pivot bushings worn or missing.	Install new ski pivot bushings.
	Ski worn.	Replace ski.

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SPECIFICATIONS

Dimensions (14 in. Standard Flow)

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

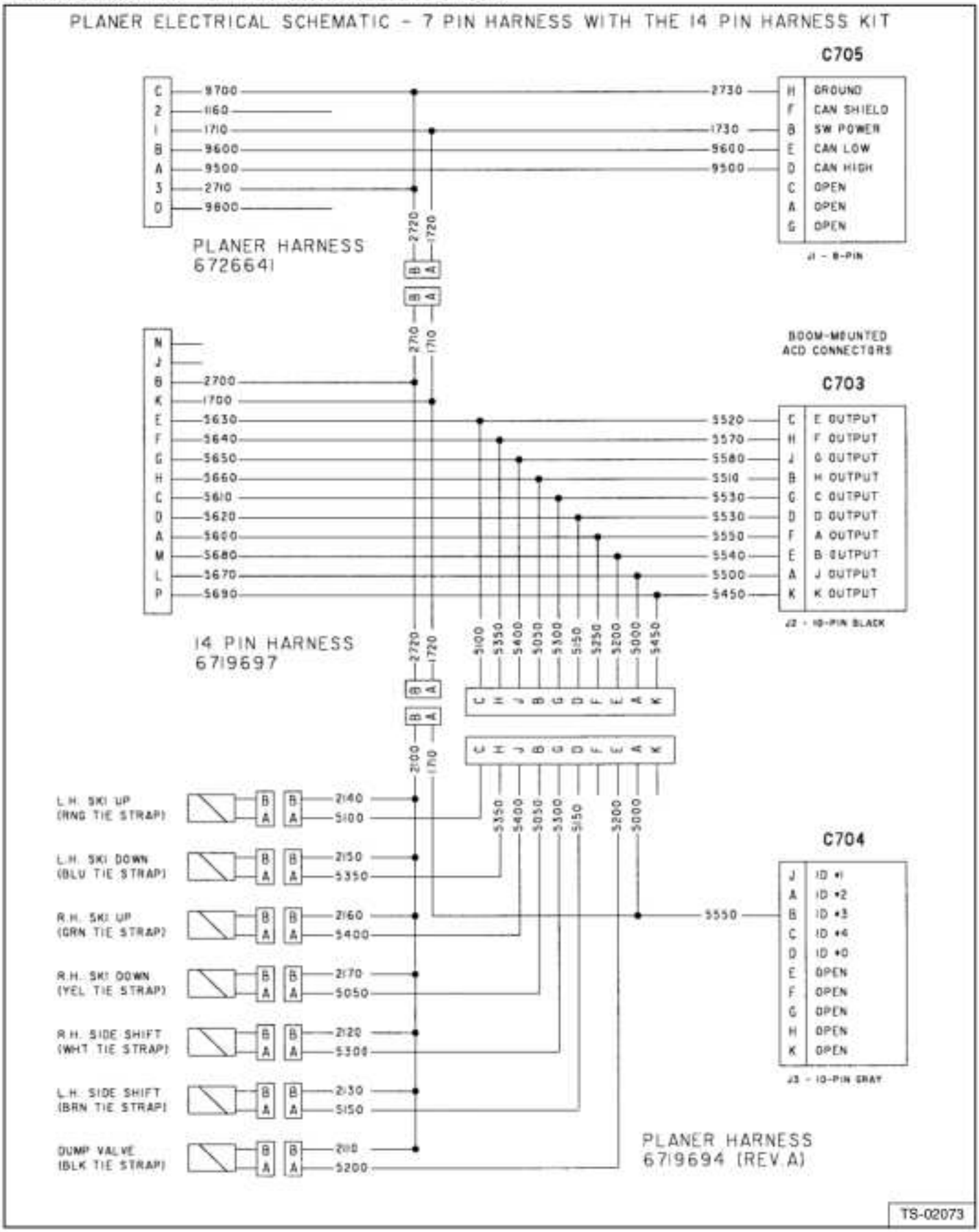


	14 Inch Planer
Overall Width Overall Length Overall Height	66.0 in. (1651 mm) 50.3 in. (1278 mm) 28.0 in. (711 mm)
Attachment Weight (With 14 in. Drum) Side Shift Cylinder Stroke	1520 lb. (689 kg) 26.0 in. (660 mm)
Drum Cutting Angle Cutting Depth Drum Diameter Tool Bit Diameter Planing Distance Next to Curb	±15° right ±1° left 0 - 60 in. (0 - 152 mm) 17.750 in. (451 mm) 23.750 in. (603 mm) Flush

	NO. OF BITS	CUTTING WIDTH	CUTTING DEPTH	WEIGHT
14 in. All Purpose	46	14.0 in. (356 mm)	0 - 6 in. (0 - 152 mm)	240 lb. (107 kg)
12 in. All Purpose	40	12.0 in. (356 mm)	0 - 6 in. (0 - 152 mm)	212 lb. (96 kg)
8 in. All Purpose	34	8.0 in. (356 mm)	0 - 6 in. (0 - 152 mm)	172 lb. (78 kg)
6 in. All Purpose	32	6.0 in. (356 mm)	0 - 6 in. (0 - 152 mm)	165 lb. (78 kg)
2.5 in. Slot Cutting	21	2.5 in. (356 mm)	0 - 6 in. (0 - 152 mm)	90 lb. (41 kg)

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Electrical Schematic - 7 Pin Harness With 14 Pin Harness



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