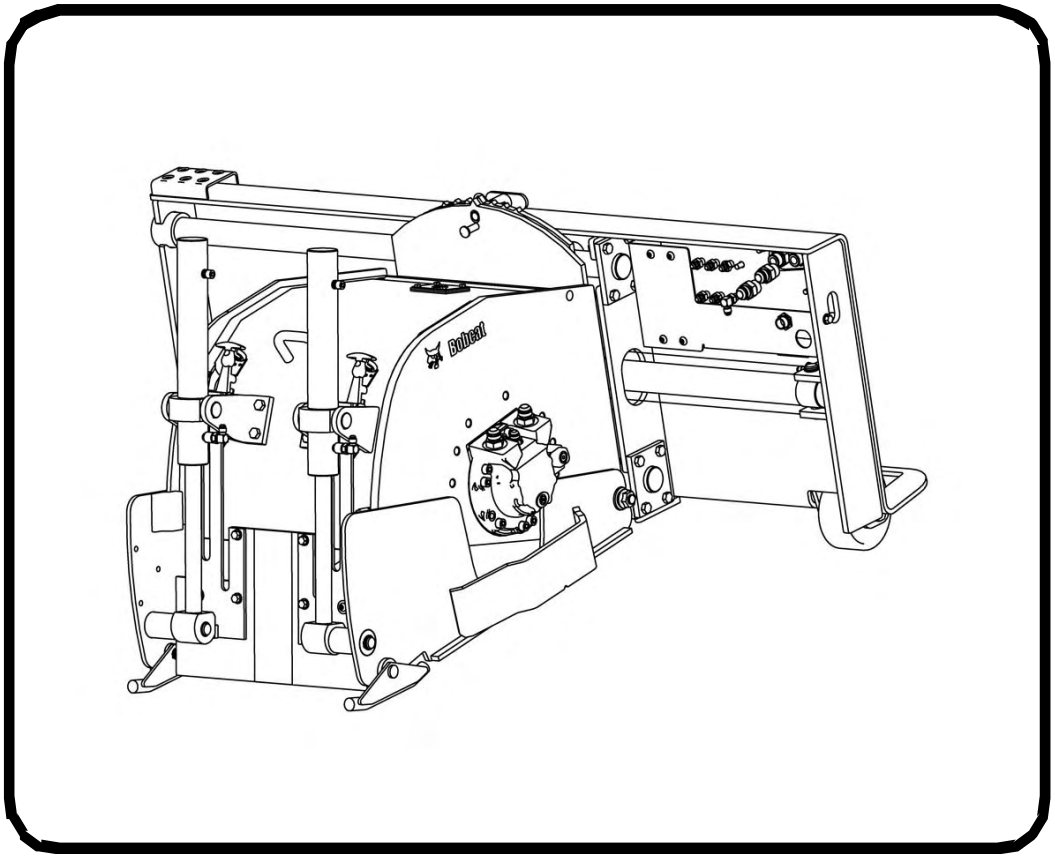
Operation & Maintenance Manual
Planer

(18 Hyd Planer) S/N 231611101 & Above
(18 In) S/N 341000101 & Above
(24 Hyd Planer) S/N 231711101 & Above
(24 In) S/N 721700101 & Above



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FEATURES AND ACCESORIES

Standard Items

The planer is equipped with the following Standard items:

- Oscillating Housing Of ± 15°
- Rear Frame Wheel

Options And Accessories

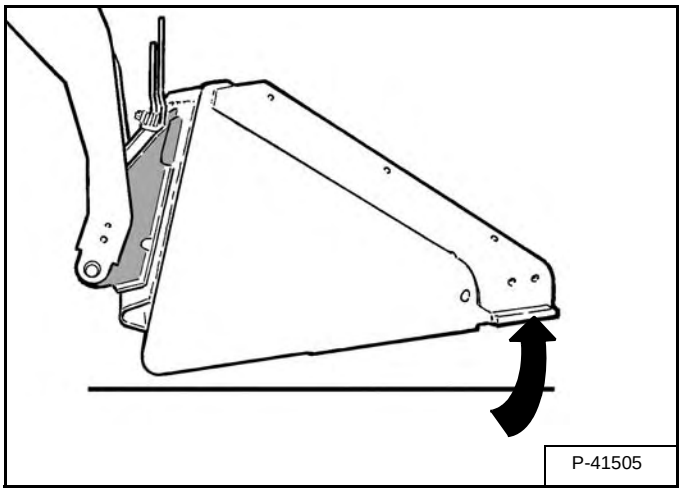
- Quick-Tach Water Kit
- Planer Spray Nozzle
- Planer Guide Rod

OPERATING INSTRUCTIONS

Installation (Cont'd)

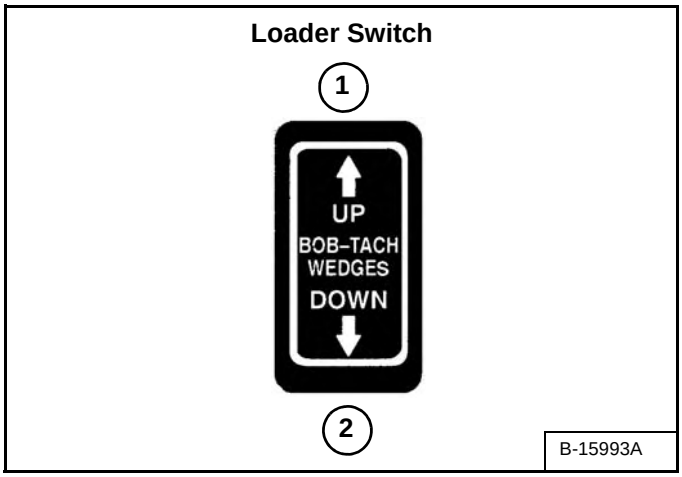
Power Bob-Tach (Cont'd)

Figure 25



Tilt the Bob-Tach backward until the attachment is slightly off the ground **[Figure 25]**. This will cause the attachment mounting frame to fit up against the front of the Bob-Tach.

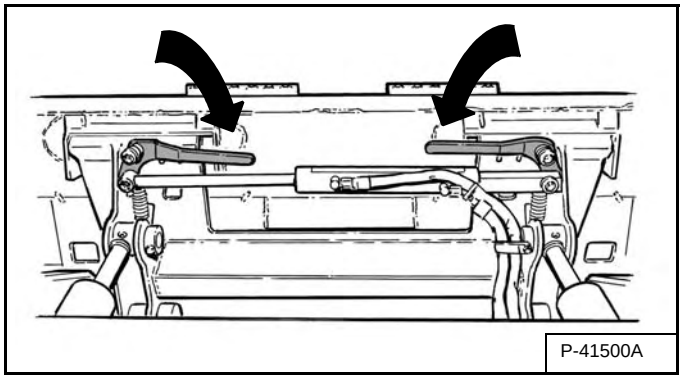
Figure 26



NOTE: The Power Bob-Tach system has continuous pressurized hydraulic oil to keep the wedges in the engaged position and prevent attachment disengagement. Because the wedges can slowly lower, the operator may need to reactivate the switch (BOB-TACH "WEDGES UP") to be sure both wedges are fully raised before installing the attachment.

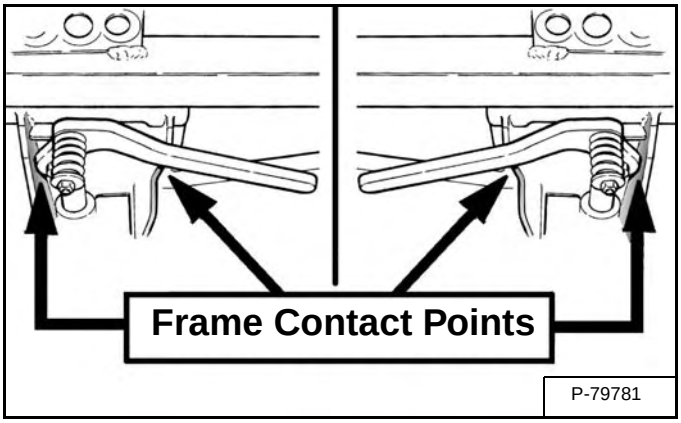
Push and hold the BOB-TACH "WEDGES UP" switch (Item 1) **[Figure 26]** until the levers are fully raised (wedges fully raised).

Figure 27



Push and hold the BOB-TACH "WEDGES DOWN" switch (Item 2) **[Figure 26]** until the levers are fully engaged in the locked position **[Figure 27]** (wedges fully extended through the attachment mounting frame holes).

Figure 28



Both levers must contact the frame as shown when locked **[Figure 28]**.

If both levers do not engage in the locked position, see your Bobcat dealer for maintenance.

⚠ WARNING

AVOID INJURY OR DEATH

The Bob-Tach wedges must extend through the holes in the attachment mounting frame. Levers must be fully down and locked. Failure to secure wedges can allow attachment to come off.

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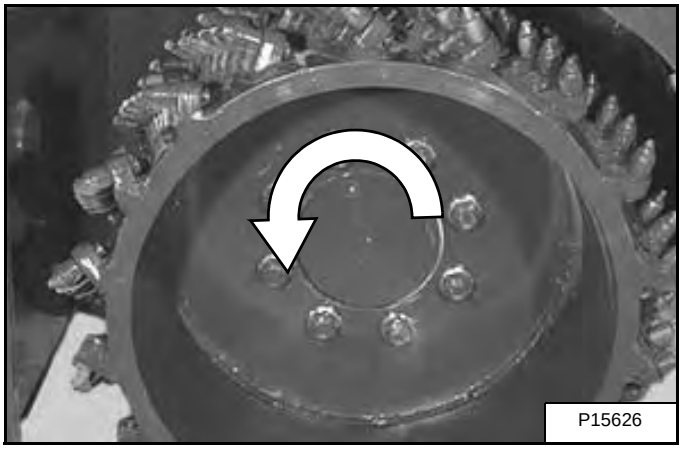
OPERATING PROCEDURE WITH LOADERS (CONT'D)

Operation With The Loader (Cont'd)

Cutting Procedure (Cont'd)

Figure 48



The planer drum rotates in the direction of the arrow **[Figure 48]**.

NOTE: Right ski and right side plate removed for clarity.

Drive forward into the material that is to be planed. The planer undercuts the material, breaking it out in an upward direction.

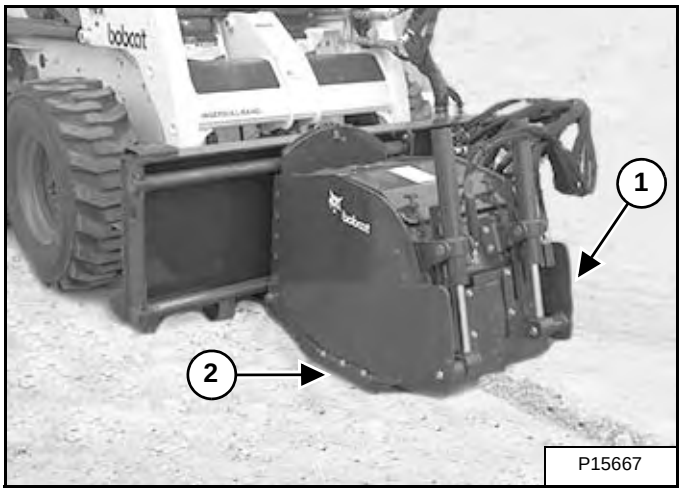
Faster loader travel speeds will create a rougher surface. Adjust travel speed and cutting depth until the desired cutting results are obtained.

Cutting Concrete: The recommended cutting depth per pass should be 12,7 mm (0.5 in) or less. To achieve desired cutting depth make multiple passes.

Cutting Asphalt: Cutting at full depth is possible. The performance of the planer cutting the asphalt will best determine the cutting depth. The age of the asphalt, the size of the aggregate and the temperature of the asphalt will all affect how deep of a cut that can be made, and at what travel speed.

Planing A General Area

Figure 49

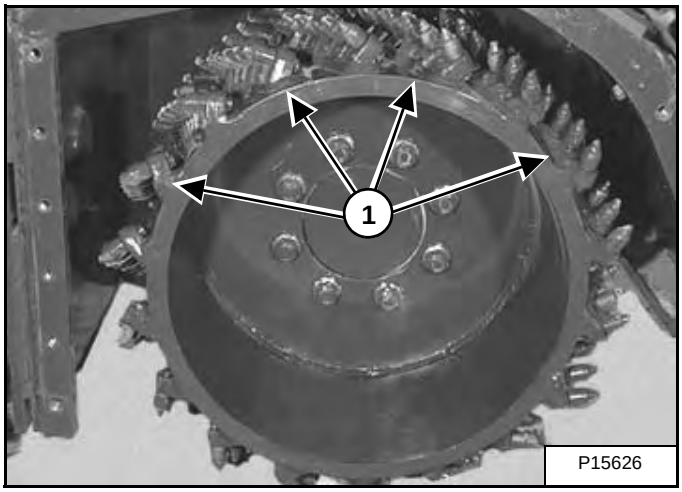


Mill your first pass at the desired depth. Now return to the original starting point, align the ski so it just overlaps the edge of the previous cut, do not adjust the ski (Item 1) **[Figure 49]**. This will keep the cutting depth the same as the first pass.

Adjust the ski on the milled surface (Item 2) **[Figure 49]** so the planer housing remains level providing a level cut.

Blending Different Heights Of Work Surfaces

Figure 50



To blend two different heights of asphalt or concrete surfaces, remove every other tooth (Item 1) **[Figure 50]** from the outside row, in one line.

TROUBLESHOOTING

Chart

⚠ 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 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 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.
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 depth decals.
	Ski pivot bushings worn or missing.	Install new ski pivot bushings.
	Ski worn.	Replace ski.

SPECIFICATIONS