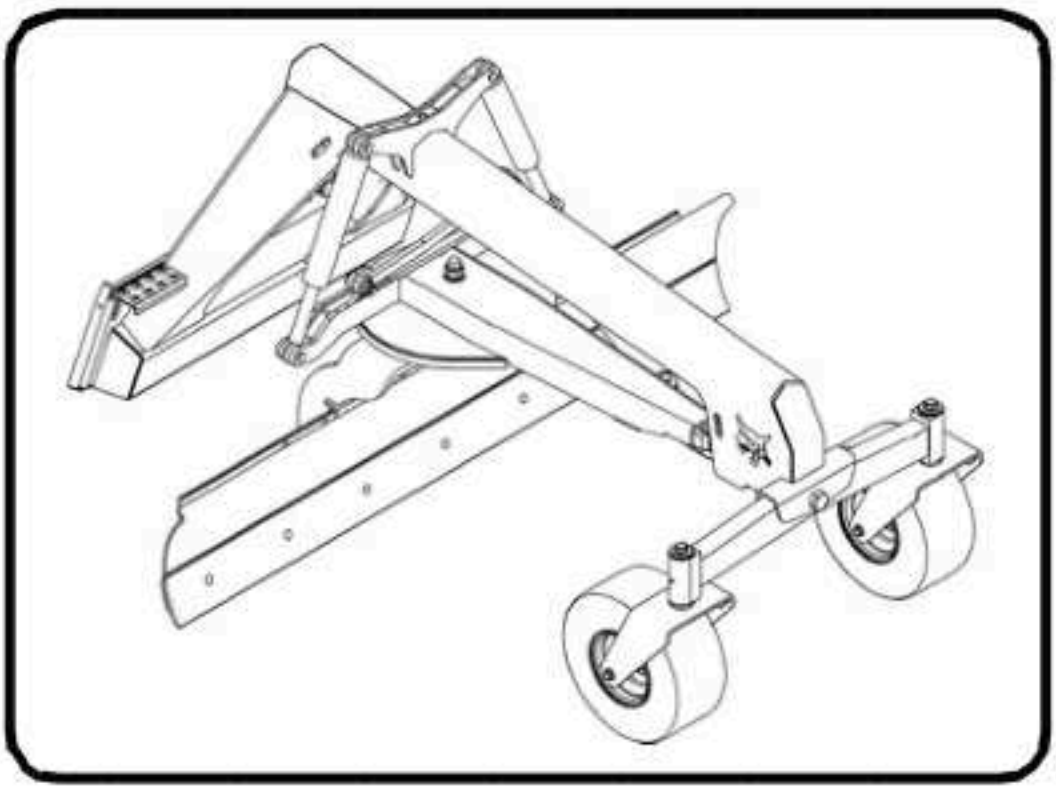
Bobcat®

Service Manual
Grader

(Grader 84) S/N 648000101 & Above



6901594 (4-11)

Printed in U.S.A.

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Laser Beacon Chart

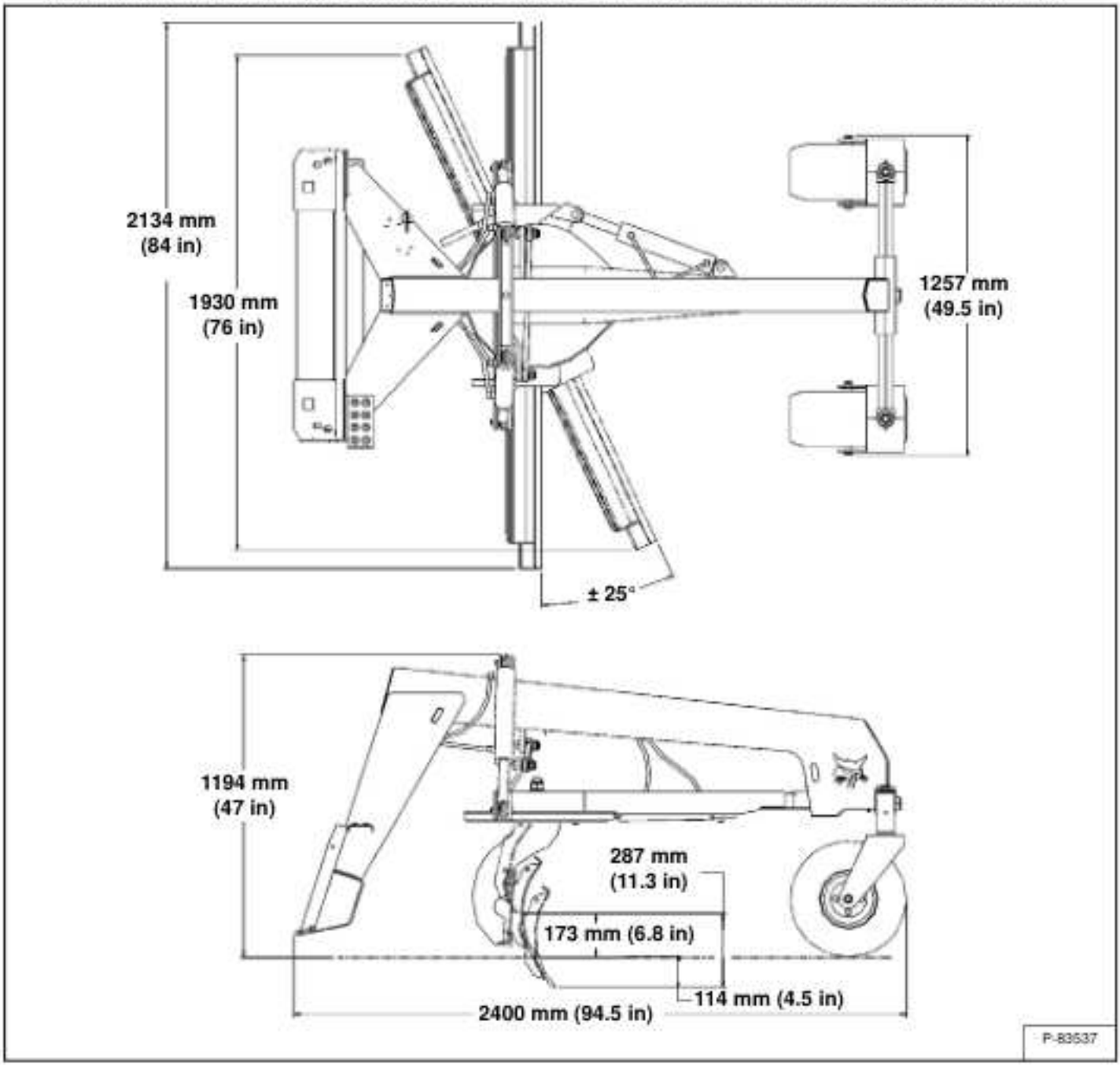
TROUBLESHOOTING THE LASER BEACON		
PROBLEM	**CAUSE**	**CORRECTION**
Laser Beacon will not operate.	No power.	Press power button.
	Batteries are bad.	Check or replace batteries.
	Laser needs servicing.	Return laser to service center for inspection.
Laser Beacon out-of-level indicator does not shut off.	Laser not mounted securely.	Make sure the laser is mounted to stable surface.
	Laser in wrong mode.	Press the mode button so that the laser is in automatic auto-leveling or grade mode.
	Leveling screws not turning.	Make sure the leveling screws are free to turn.
	Laser not level.	Allow the laser to re-level.
	Laser needs servicing.	Return laser to service center for inspection.
SafeGuard LED is on.	Calibration is off.	Check and adjust laser plane calibration as necessary.
	Laser needs servicing.	Return laser to service center for inspection.
Laser Beacon plane not accurate.	Calibration is off.	Check and adjust laser plane calibration as needed.
	Laser needs servicing.	Return laser to service center for inspection.
NOTE: For other problems related to the laser products, see Trimble Operation Manual or contact your Bobcat Dealer.		
Trimble Support Machine Control - Construction Instructions Americas: 1 - 800 - 538 - 7800 (Option 3 For Support) Outside Of Americas: 1 - 303 - 323 - 4111 E-Mail: Trimble_Support@Trimble.com		

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GRADER ATTACHMENT SPECIFICATIONS

Dimensions

- 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.



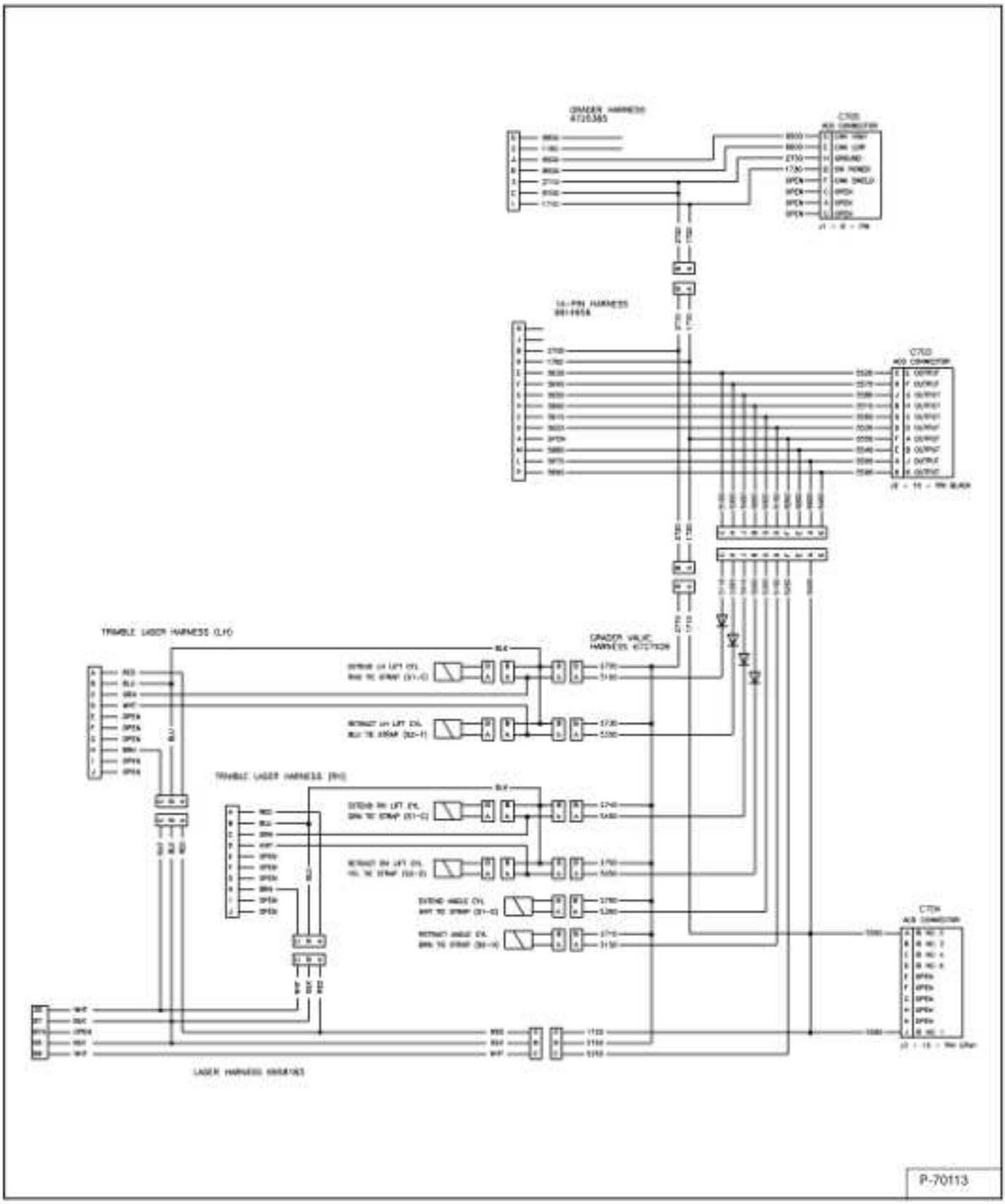
Performance

DESCRIPTION	Grader 84
Grader Weight	624 kg (1375 lb)
Maximum Hydraulic Operating Pressure	24131 kPa (241.31 bar) (3500 psi)
Hydraulic Cylinder (3)	63.5 mm (2.50 in) bore x 38 mm (1.50 in) shaft x 286 mm (11.26 in) stroke

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ELECTRICAL SCHEMATIC - 7-PIN CONNECTOR WITH 14-PIN ADAPTER HARNESS

Grader Model S/N 648001630 & Below



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