Stump Grinder

SG30
SG60
SGX60

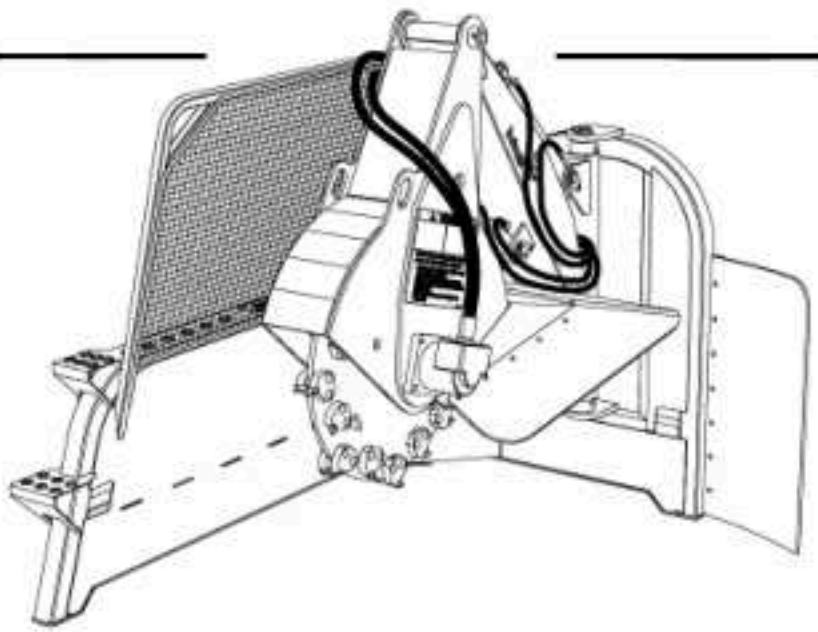
Bobcat®

Service Manual

(SG30) S/N 005600101 & Above

(SG60) S/N 233000101 & Above

(SGX60) S/N A00700101 & Above



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CALIFORNIA
PROPOSITION 65 WARNING

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects and other reproductive harm.

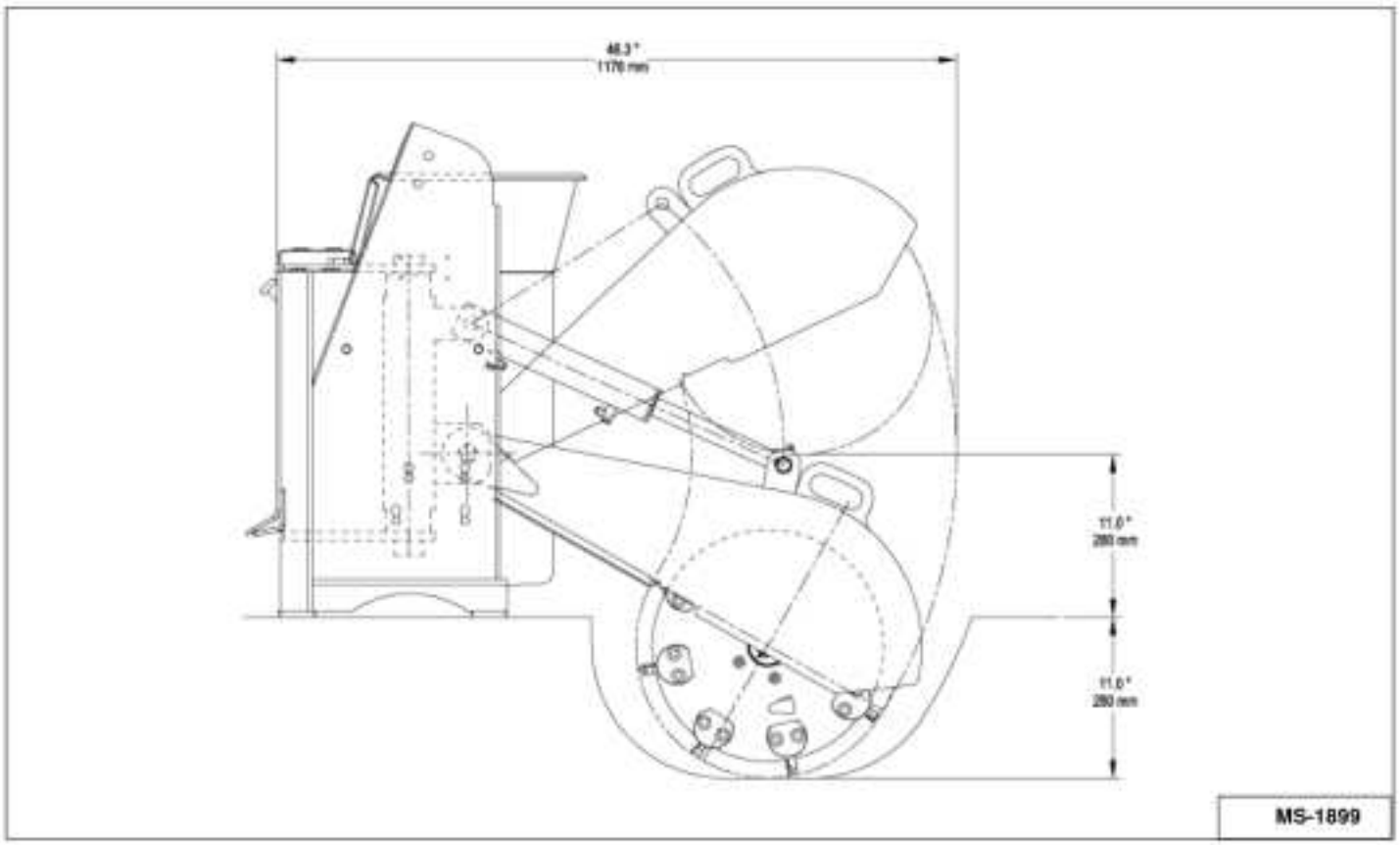
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PROBLEM	CAUSE	CORRECTION
Stump Grinder cut is inadequate.	Cutting teeth worn or missing.	Replace the cutting teeth.
Noisy motor (with load).	Vibration; loose bolts.	Check torque.
Noisy motor (with no load).	Humming; worn bearings.	Replace bearings.
External oil leaks.	Motor case pressure too high.	Check the quick couplers.
	Damaged O-rings.	Replace O-rings as needed.
Loaded motor does not turn at normal speed.	Not enough hydraulic flow.	Check pump flow and rotation speed.
	Internal leaks.	Check cylinders and valve block assembly. Check motor.
Cutter 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 valve block.
	Hydraulic leaks.	Check cylinders and valve block assembly. Check pump drive and pump inlet.
	No hydraulic flow.	Check valves for damage or corrosion.
Cutter wheel hops.	Cutting teeth worn or missing.	Replace the cutting teeth.
	Cutting teeth setting wrong.	Reset cutting teeth.
Cutter wheel stalls	Relief valve for boom swing cylinder set too high.	Replace relief valve.
	Cutting depth too deep.	Raise boom.
	Plug orifice blocked.	Check hydraulic lines and valve.
Swing cylinder stalls	Relief pressure set too low.	Replace relief valve.
Relief valve chatters	Relief pressure set too low.	Replace relief valve.

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Stump Grinder Dimensions (Cont'd)

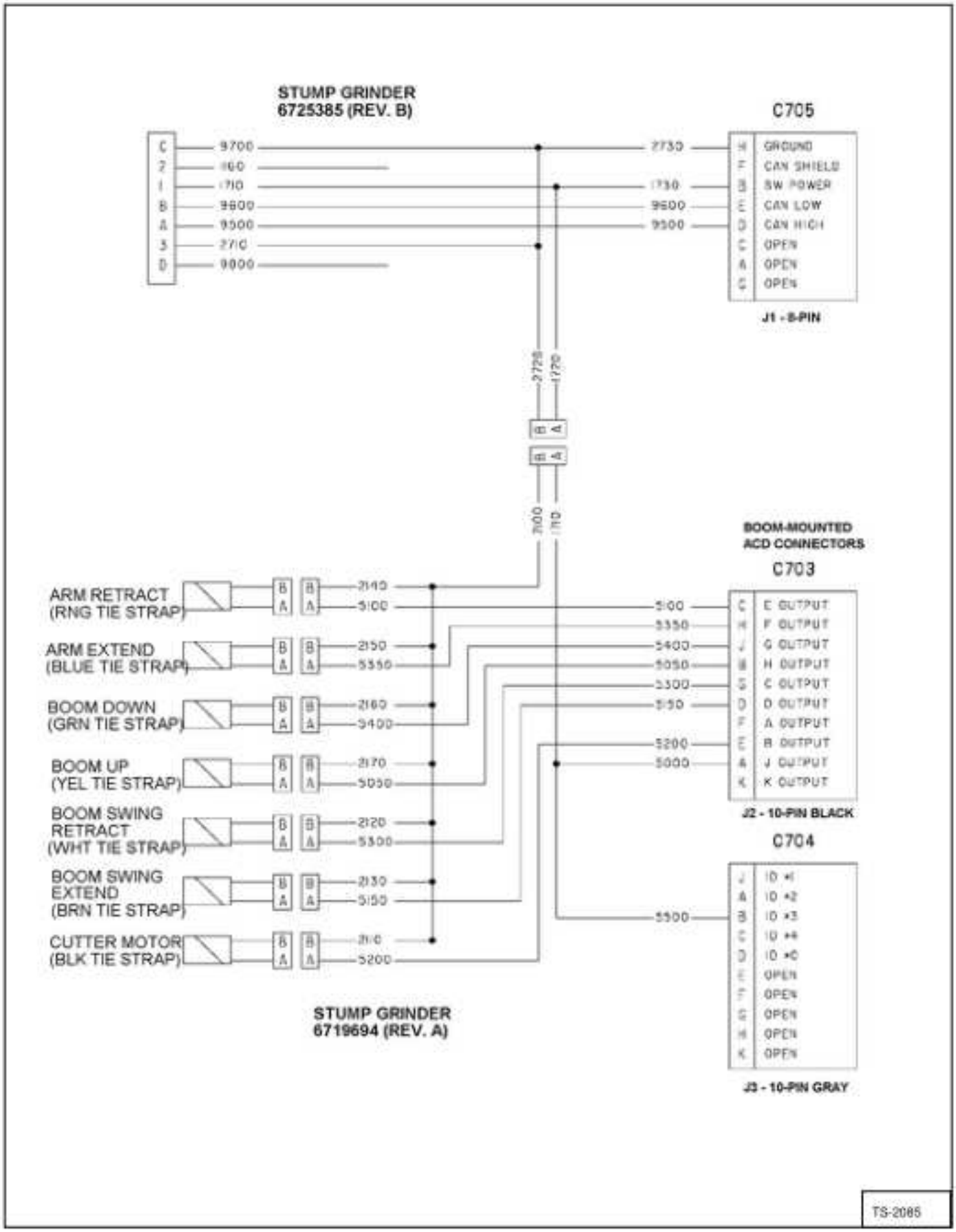
- All dimensions are shown in inches. Respective metric dimensions are given in millimeters enclosed by parentheses.



Transport Width	36.00 in. (914,4 mm)
Overall Length (With Boom Swung to Right)	39.50 in. (1003,3 mm)
Overall Height	33.50 in. (88,9 mm)
Weight	460 lb. (209 Kg)
Wheel Diameter w/teeth	18.00 in. (457,2 mm)
Number Of Teeth	(6 right, 6 left, 4 straight)
Working Depth Below Grade	11.00 in. (278,4 mm)
Range Of Operation	52.00 in. (1320,8 mm)
Degree Of Operation	90°
Hydraulic Flow	10.0 - 14.0 GPM (37,8 - 53,0 L/min.)

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ELECTRICAL SCHEMATIC WITH 7-PIN HARNESS



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