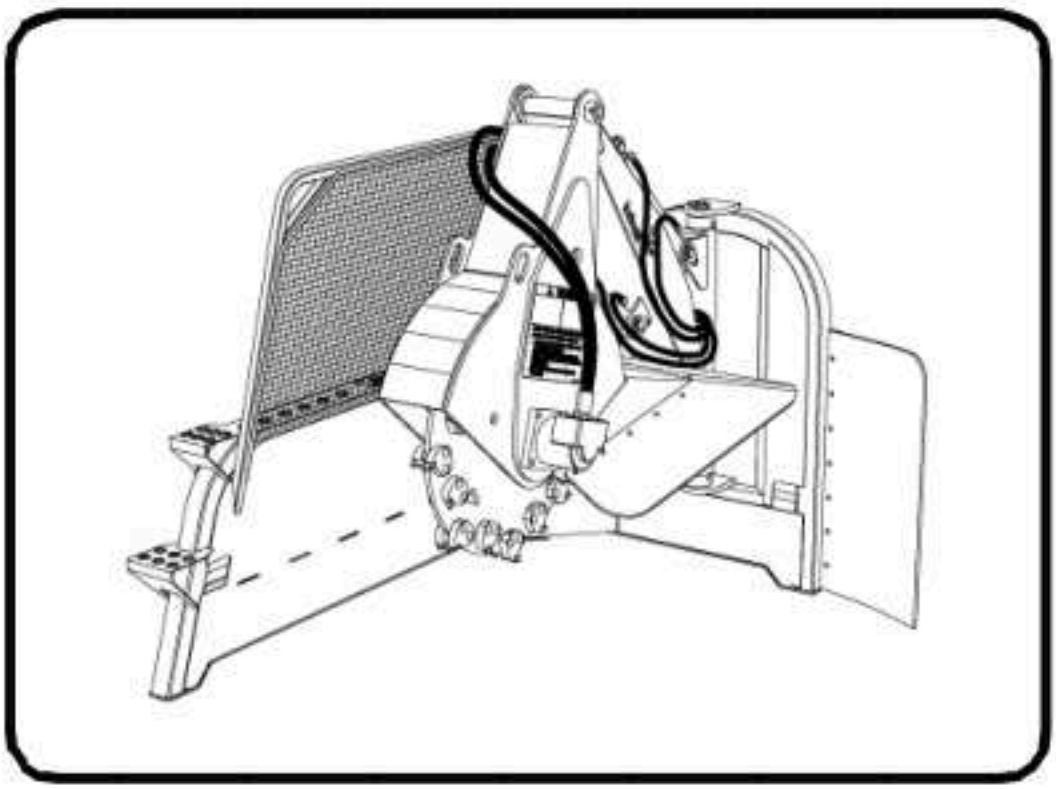
Bobcat®

Service Manual
Stump Grinder

(SG30) S/N 005600101 & Above
(SG60) S/N 233000101 & Above
(SGX60) S/N A00700101 & Above



6901091 (1-11)

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Attachment Serial Number 1-7

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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 stump grinder is not working correctly, check the hydraulic system of the machine thoroughly before making any repairs on the stump grinder. Stump grinder 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 stump grinder.

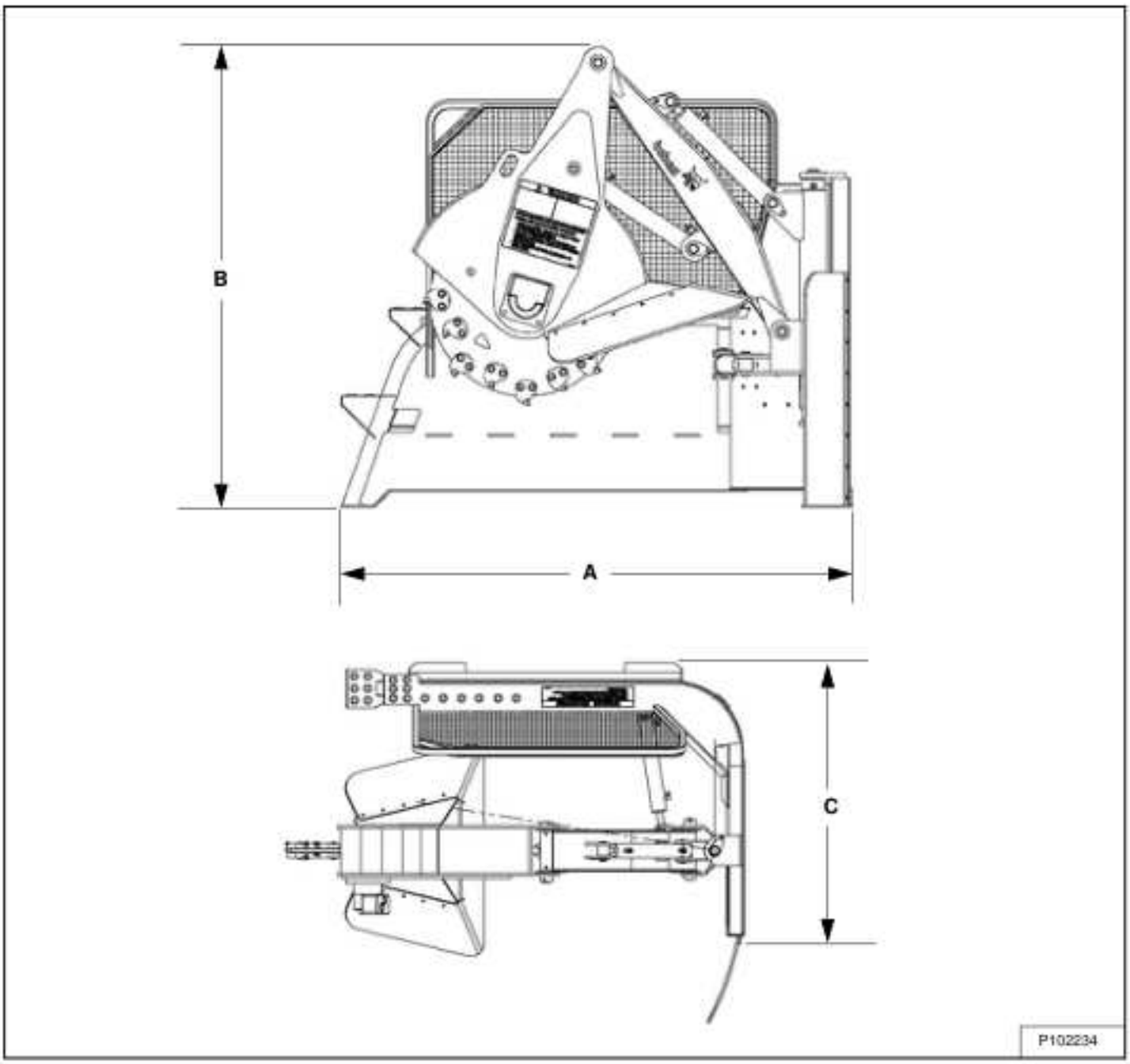
PROBLEM	CAUSE	CORRECTION
Stump grinder cut is inadequate.	Cutting teeth worn or missing.	Replace the cutting teeth.
Noisy motor (with load).	Vibration; loose bolts.	Check torque.
Noisy motor (with no load).	Humming; worn bearings.	Replace bearings.
External oil leaks.	Motor case pressure too high.	Check 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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(SG60 AND SGX60) STUMP GRINDER SPECIFICATIONS

Dimensions

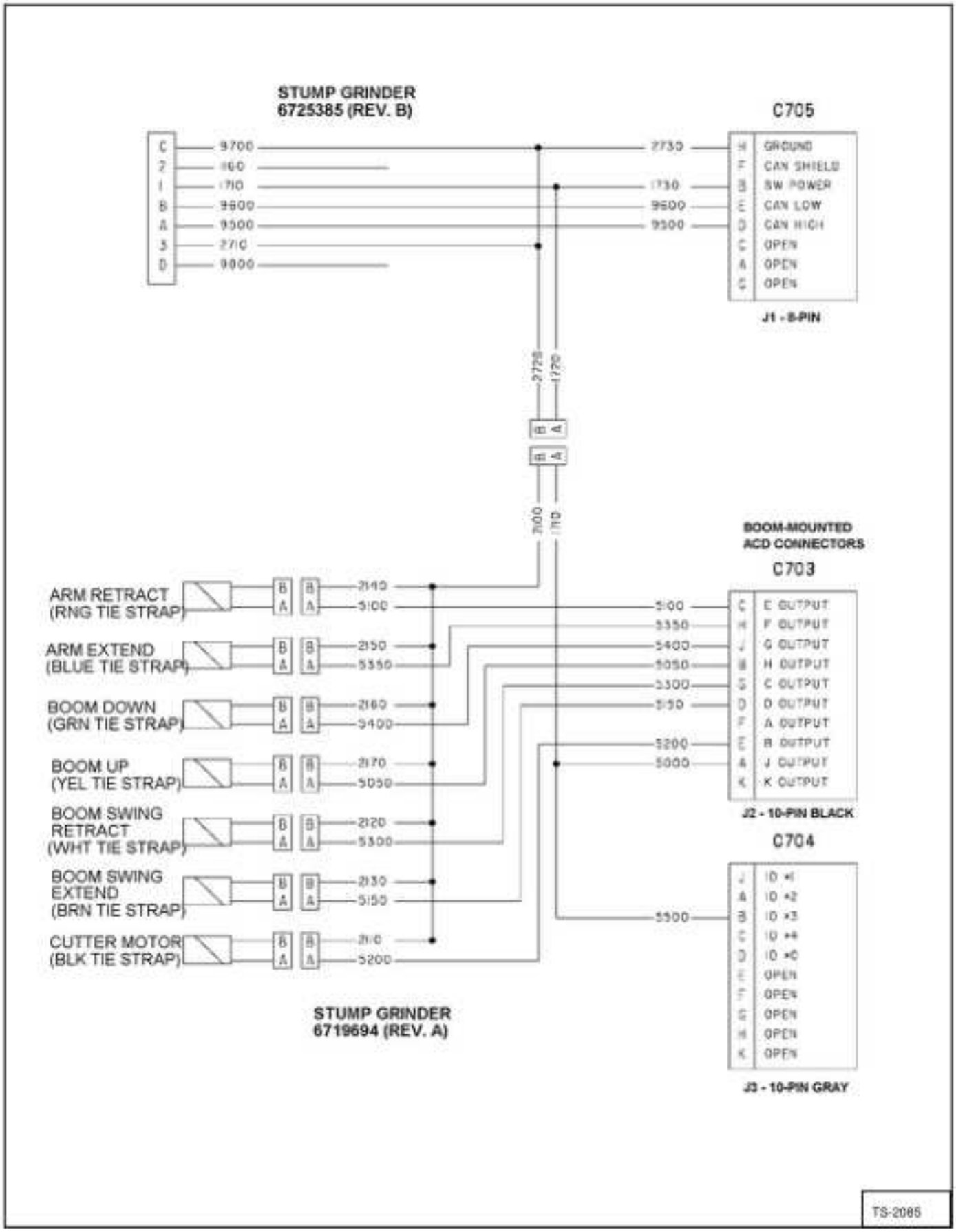
- All dimensions are shown in millimeters. Respective imperial dimensions are given in inches enclosed by parentheses.
- Where applicable, specifications conform to **SAE and ISO** standards and are subject to change without notice.



DESCRIPTION	SG60	SGX60
Overall Width (A)	1181 mm (46.50 in)	1676.4 mm (66 in)
Overall Height (B)	1508 mm (59.38 in)	1508 mm (59.38 in)
Overall Length (C)	1146 mm (45.13 in)	1181.3 mm (46.53 in)
Wheel Diameter (w / teeth)	686 mm (27 in)	686 mm (27 in)

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ELECTRICAL SCHEMATIC WITH 7-PIN HARNESS



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