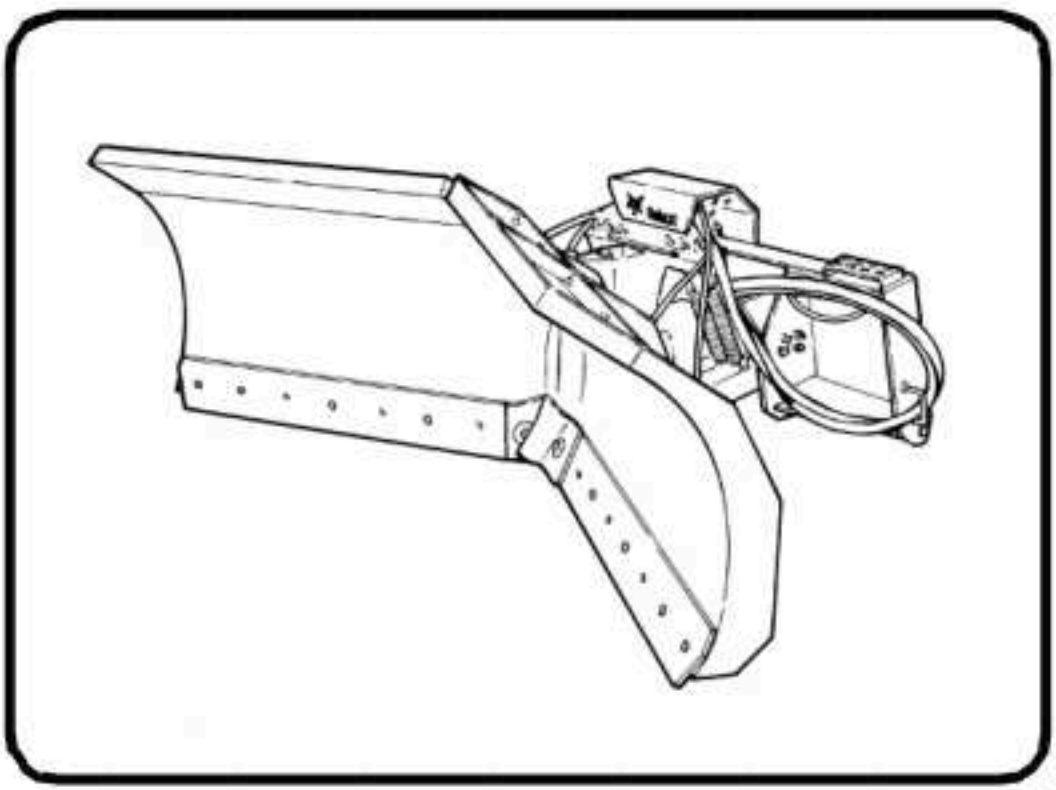
Bobcat®

Service Manual
V-Blade

(V-Blade 60 Man) S/N A01800101 & Above
(V-Blade 60) S/N 083800101 & Above
(V-Blade 60 7-Pin) S/N 084300101 & Above
(V-Blade 72) S/N 083900101 & Above
(V-Blade 72 Man) S/N A00900101 & Above
(V-Blade 84) S/N 084000101 & Above
(V-Blade 96) S/N 084100101 & Above
(V-Blade 108) S/N 084200101 & Above



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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.

W-2003-0903

If the v-blade is not working correctly, check the hydraulic system of the machine thoroughly before making any repairs on the v-blade. V-Blade 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 v-blade.

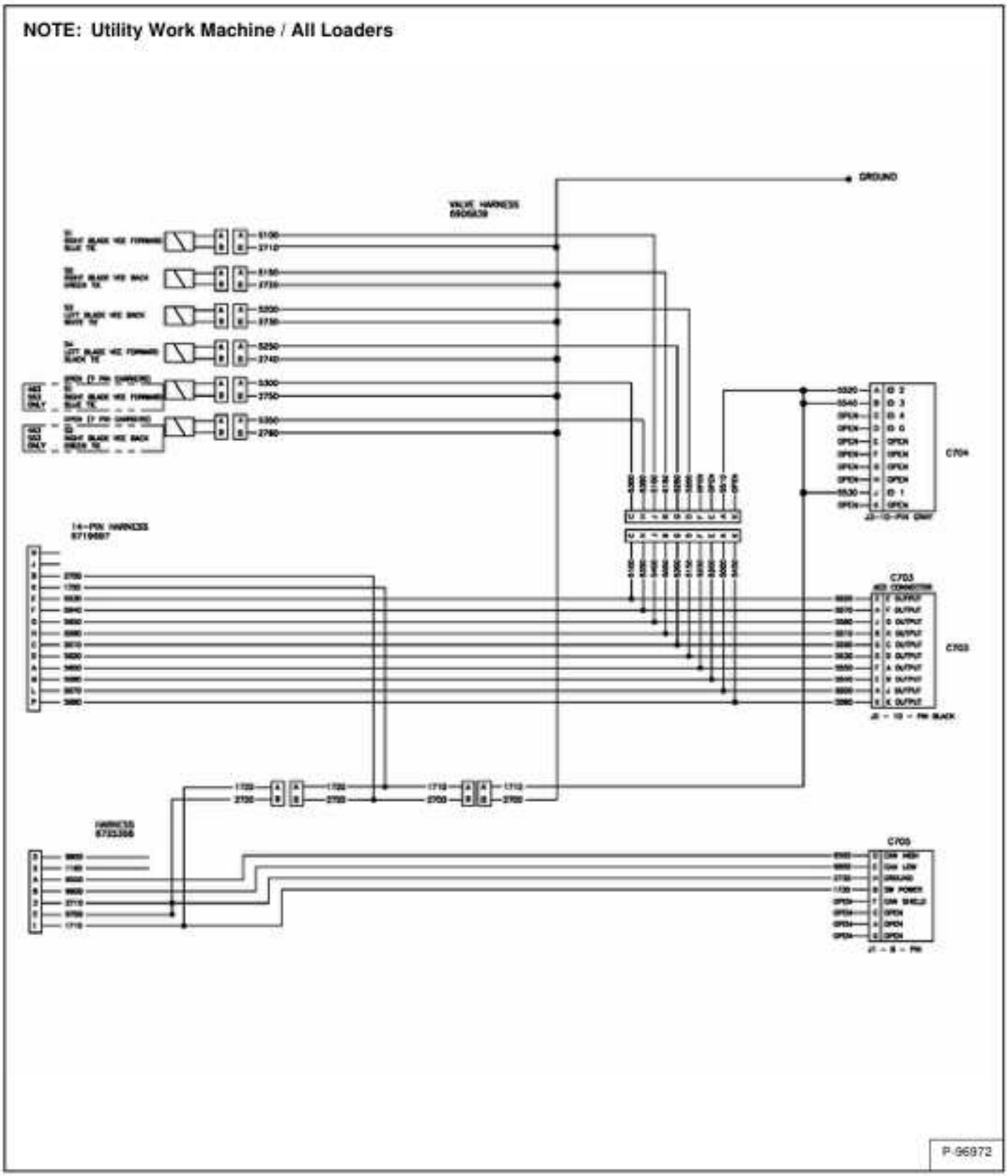
PROBLEM	CAUSE	CORRECTION
Blades will not angle.	Auxiliary hydraulics not engaged.	Engage auxiliary hydraulics.
	Hydraulic connections not made.	Connect hydraulics.
	Electrical connection not made.	Connect electrical.
Blade trips too easy.	Trip springs loose.	Tighten trip springs.
Blade trips hard.	Trip springs too tight.	Loosen trip springs.

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ELECTRICAL SCHEMATIC (7-PIN CONNECTOR WITH 14-PIN ADAPTER HARNESS) (CONT'D)

S/N 084200564 & Above, S/N 084300231 & Above, S/N 083900626 & Above, S/N 084100823 & Above, S/N 084000685 & Above

NOTE: Utility Work Machine / All Loaders

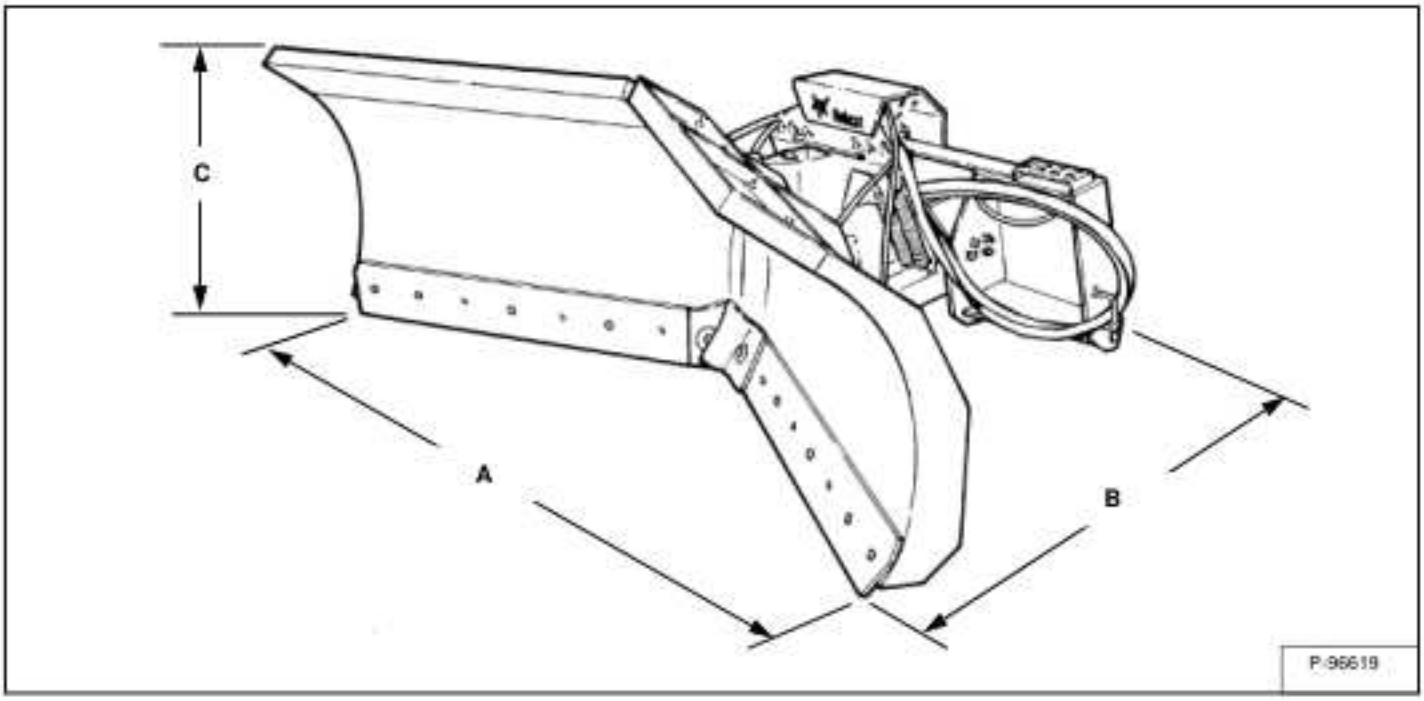


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V-BLADE SPECIFICATIONS (V-BLADE 96, V-BLADE 108)

Dimensions

- 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.



V-BLADE		
DESCRIPTION	**V-BLADE 96**	**V-BLADE 108**
Angle	30 in. (762 mm)	30 in. (762 mm)
Straight Width **(A)**	98 in. (2489 mm)	110 in. (2794 mm)
Straight Length **(B)**	47.3 in. (1201 mm)	47.3 in. (1201 mm)
Straight Height **(C)**	32.8 in. (833 mm)	32.8 in. (833 mm)
Angle Width	85 in. (2159 mm)	96 in. (2438 mm)
Scoop Width	84 in. (2137 mm)	95 in. (2413 mm)

Performance

V-BLADE		
DESCRIPTION	**V-BLADE 96**	**V-BLADE 108**
Shipping Weight	894 lb. (406 kg)	938 lb. (426 kg)
Shipping Weight W/Float	1023 lb. (464 kg)	1067 lb. (484 kg)
Operating Weight	824 lb. (374 kg)	868 lb. (394 kg)
Operating Weight W/Float	956 lb. (434 kg)	997 lb. (453 kg)
Float Angle	5 in.	5 in.

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