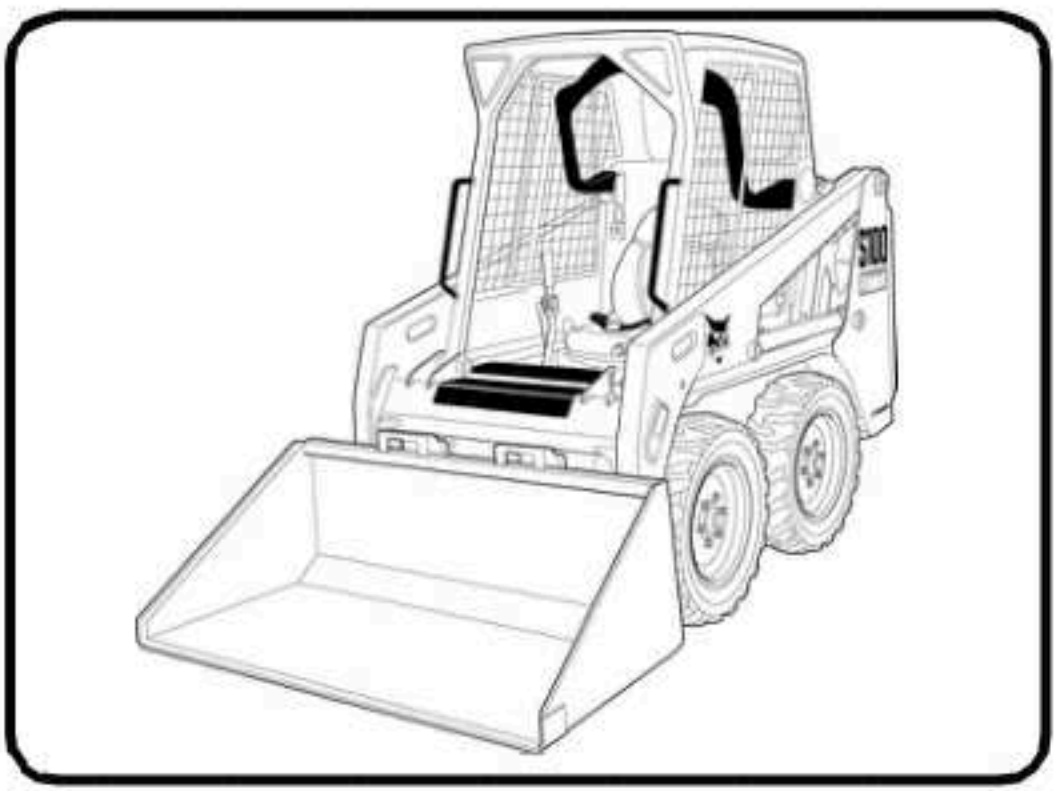
Bobcat®

Service Manual
S100 Skid-Steer Loader

S/N AB6420001 & Above



EQUIPPED WITH
BOBCAT INTERLOCK
CONTROL SYSTEM (BICS™)

6987401 (1-11)

Printed in U.S.A.

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Troubleshooting

The following troubleshooting chart is provided for assistance in locating and correcting problems which are most common. Many of the recommended procedures must be done by authorized Bobcat service personnel only.

If the service code appears in the left instrument panel, refer to the Electrical Service Manual for the probable cause.

⚠ WARNING

Check for correct function after adjustments, repairs or service. Failure to make correct repairs or adjustments can cause injury or death.

W-2004-1285

PROBLEM	CAUSE
The hydraulic system will not operate.	1, 2, 3, 5, 8
Slow hydraulic system action.	1, 3, 4, 6, 8
Hydraulic action is not smooth.	1, 4, 5, 6, 7
Lift arms go up slowly at full engine rpm.	1, 3, 4, 6, 7, 8, 9
The lift arms or Bob-Tach will move when the pedal is in neutral position.	4
The lift arms come down with the pedal in the neutral position.	4, 9, 10, 11
Lift arm bypass control valve stuck.	12
Lift arm bypass control valve stem bent or broken.	13

KEY TO CORRECT THE CAUSE
1. The fluid level is not correct.
2. The pedal linkage is disconnected.
3. The hydraulic pump has damage.
4. The pedal linkage is not adjusted correctly.
5. Relief valve is not at the correct pressure.
6. Suction leak on the inlet side of the hydraulic pump.
7. Fluid is cold. Wrong viscosity fluid.
8. Exceeding the loaders rated operating capacity.
9. Internal leak in the lift cylinder(s).
10. External leak from the lift cylinder(s).
11. Damaged lift spool.
12. Rotate shaft.
13. Lift arm bypass control valve assembly.

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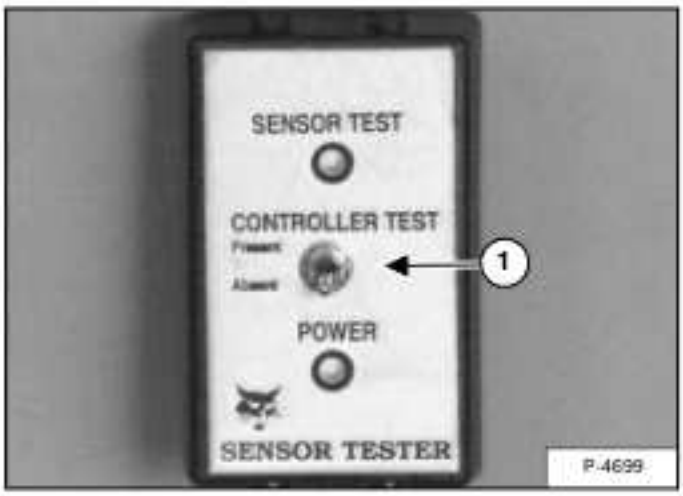
Bobcat Interlock Control System (BICS™) Circuit Test (Cont'd)

Figure 60-100-15



The BICS™ seat bar indicator light (Item 1) **[Figure 60-100-15]** should turn OFF.

Figure 60-100-16



Move the toggle switch (Item 1) **[Figure 60-100-16]** on the sensor tester to the ***Absent*** position.

The Seat Bar light (Item 1) **[Figure 60-100-15]** should illuminate.

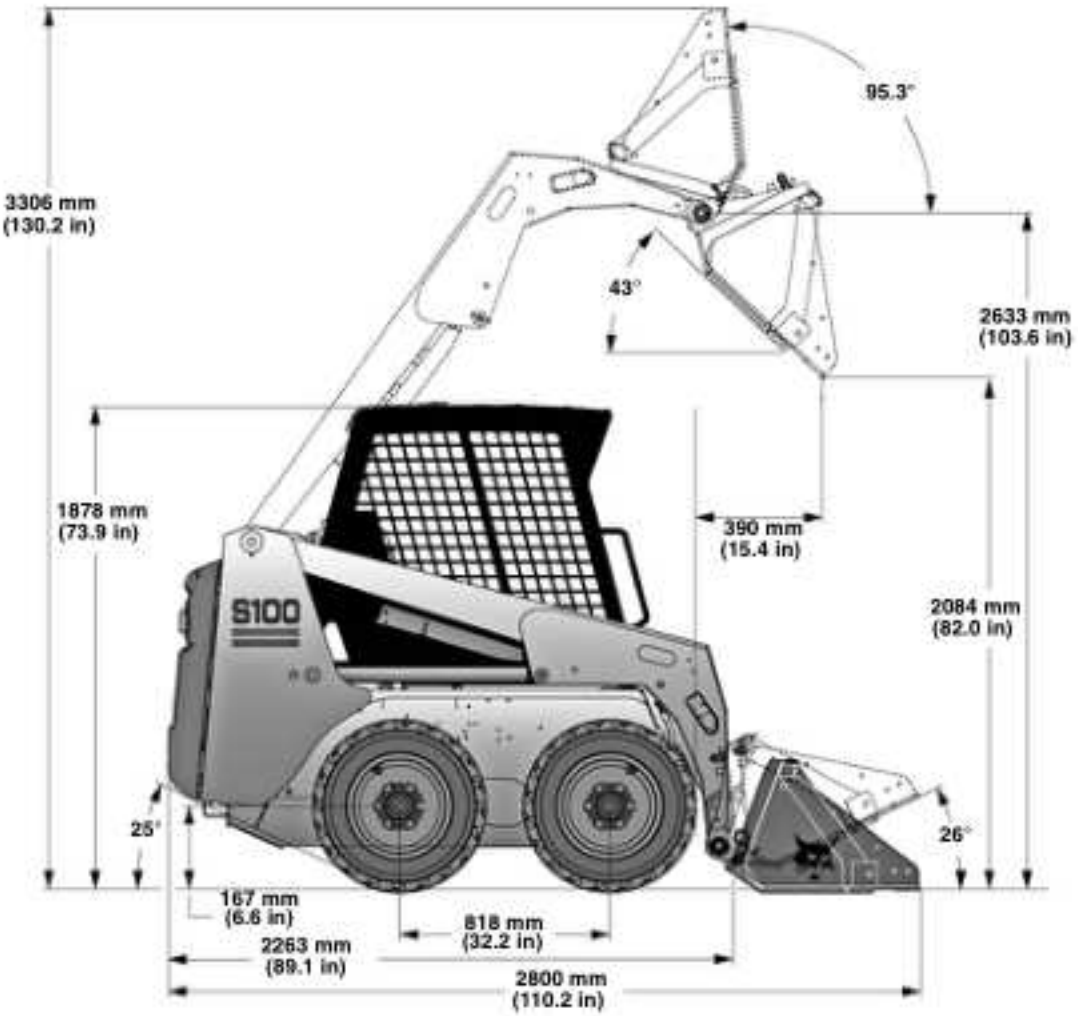
If the above test fails, there is a problem with the Bobcat Controller or the wiring harness.

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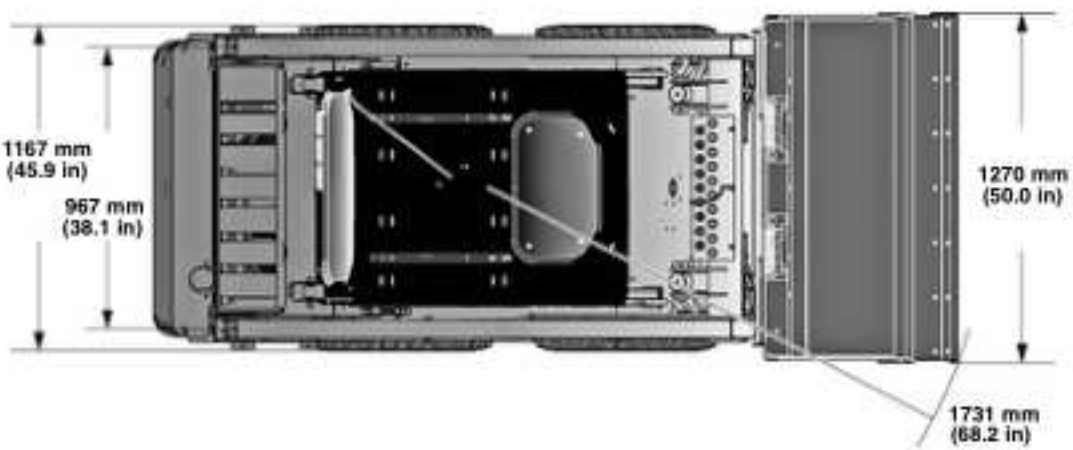
(S100) LOADER SPECIFICATIONS

Machine Dimensions

- Dimensions are given for loader equipped with standard tires and 50 inch Dirt bucket and can vary with other bucket types. All dimensions are shown in millimeters. Respective imperial dimensions are given in inches enclosed by parentheses.
- Where applicable, specifications conform to SAE or ISO standards and are subject to change without notice.



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Changes of structure or weight distribution of the loader can cause changes in control and steering response and can cause failure of the loader parts.

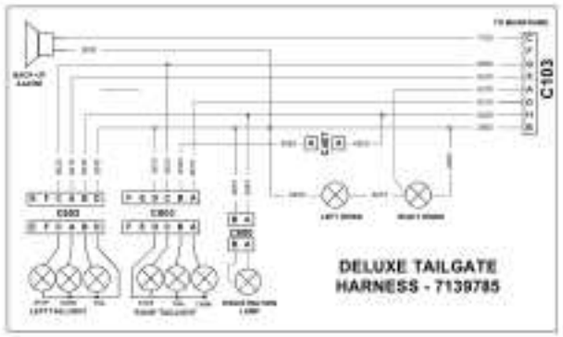
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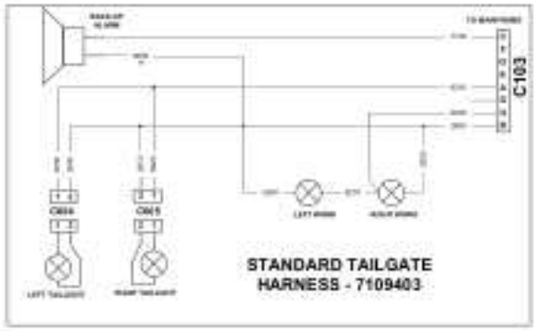
WIRING SCHEMATIC OPTIONS

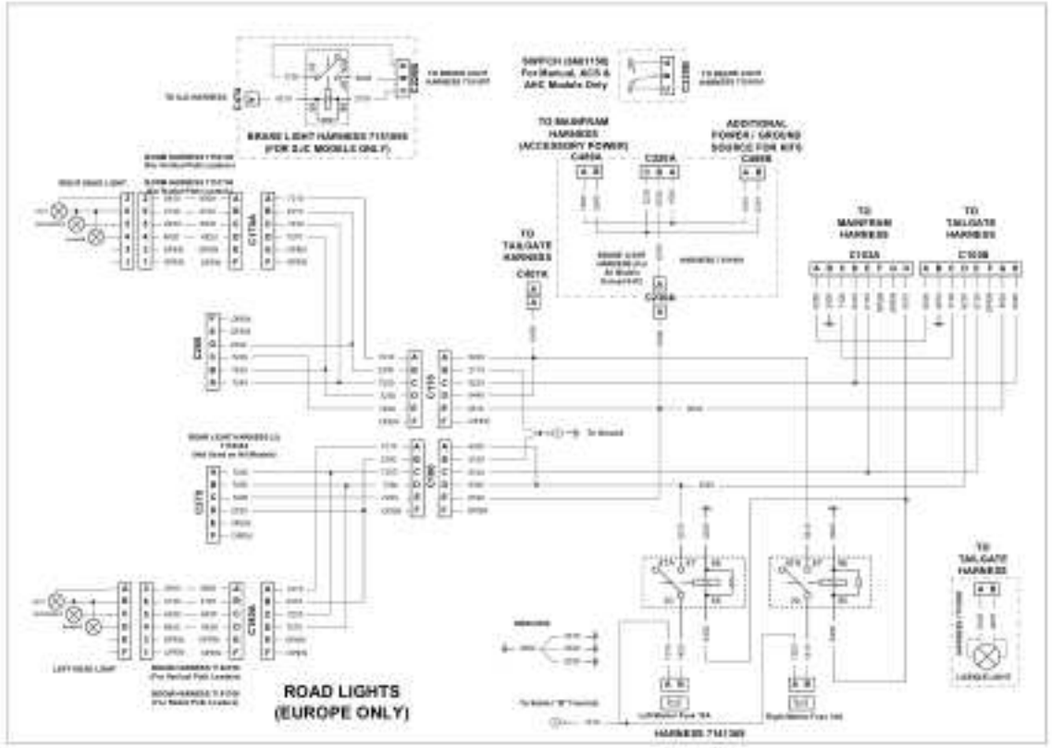
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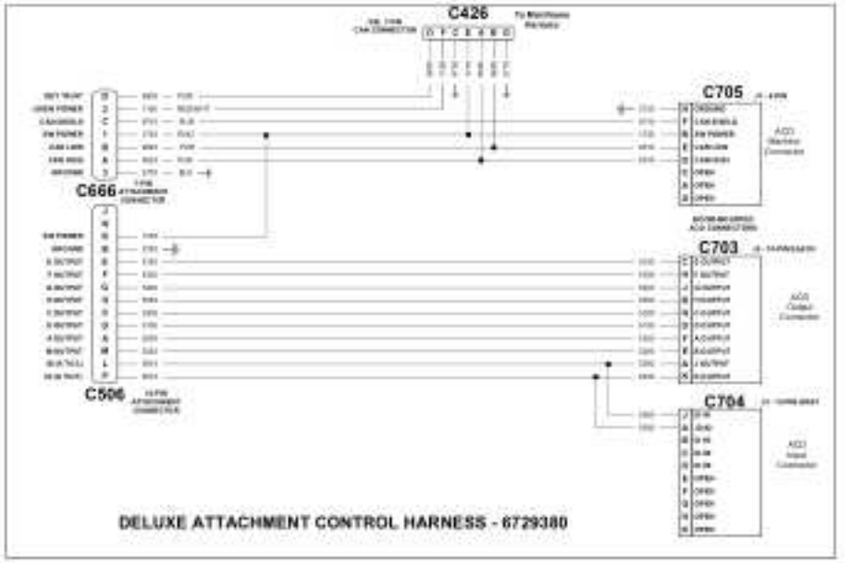
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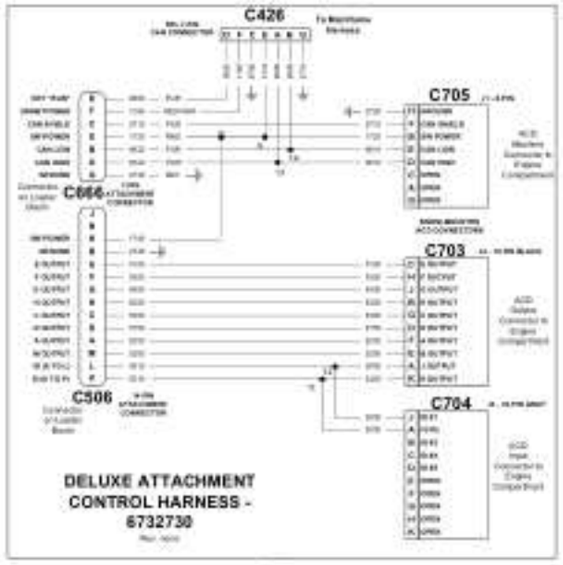
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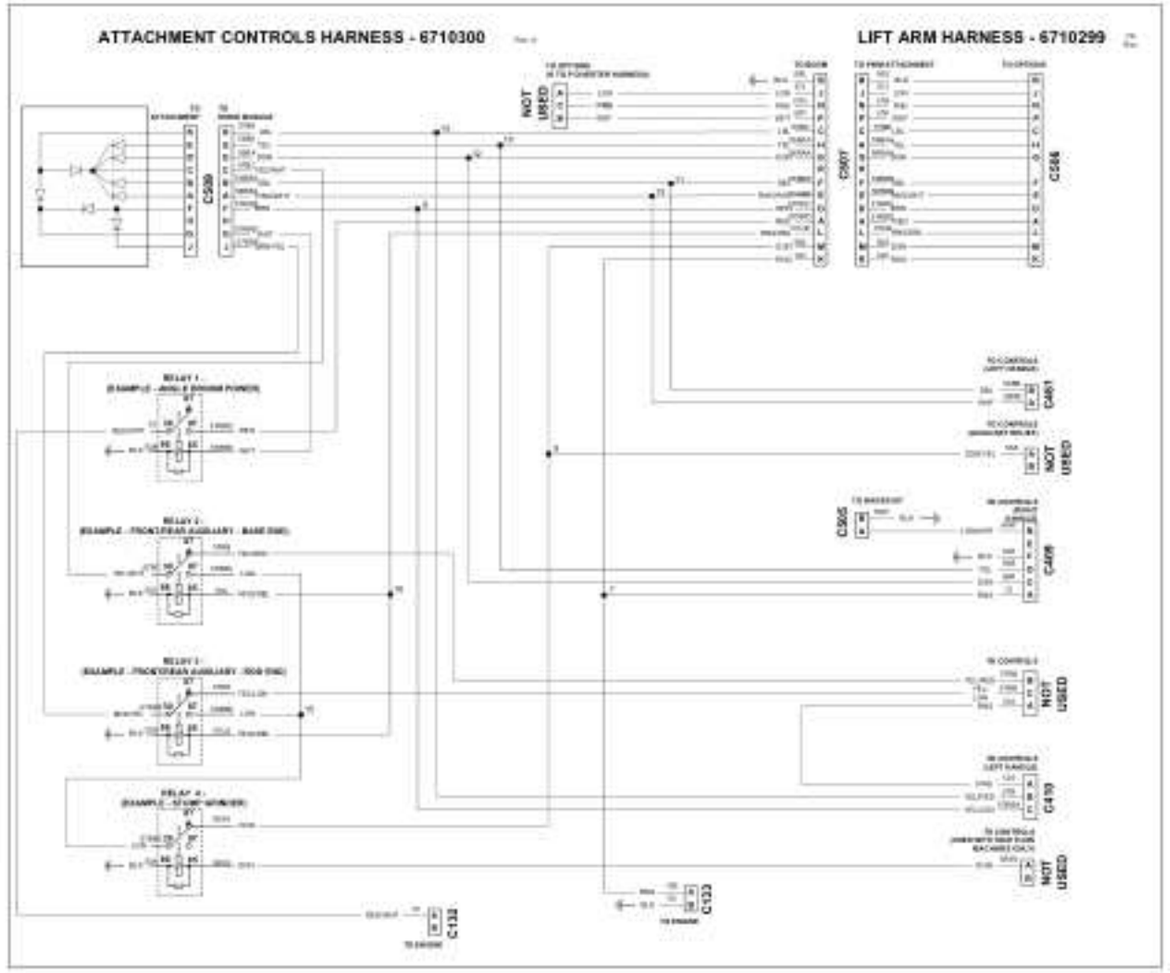


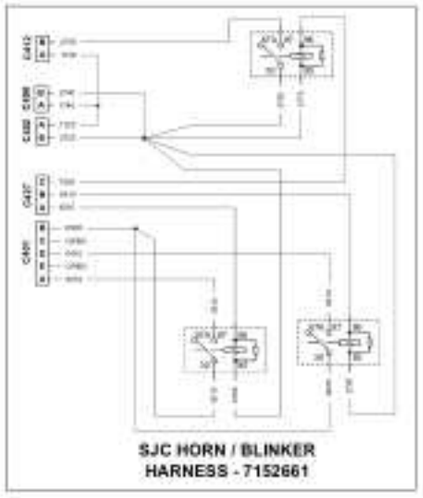


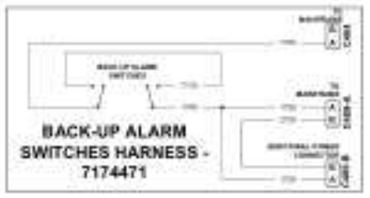


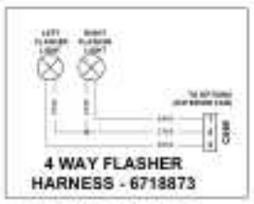






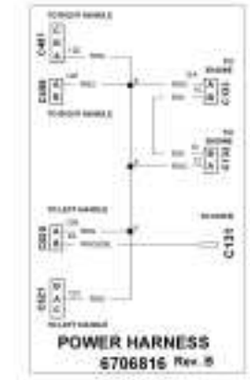














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