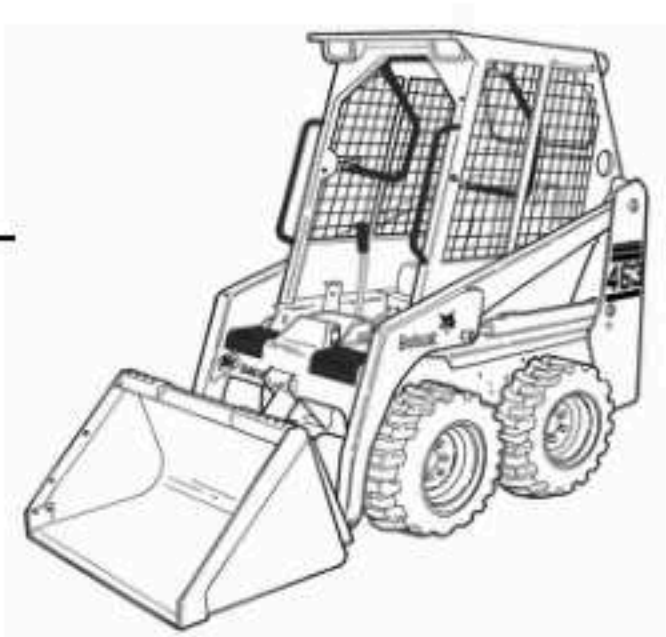
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Bobcat®

Service Manual

S/N 52001100 & Above
S/N 519911001 & Above



EQUIPPED WITH BOBCAT INTERLOCK CONTROL SYSTEM (BICS™)

6901177 (3-06)

Ingersoll Rand
Compact Vehicle Technologies

Printed in U.S.A.

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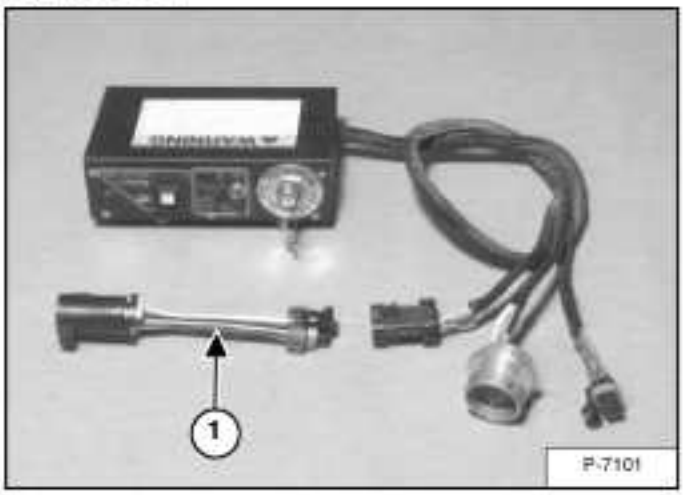
CALIFORNIA
PROPOSITION 65 WARNING

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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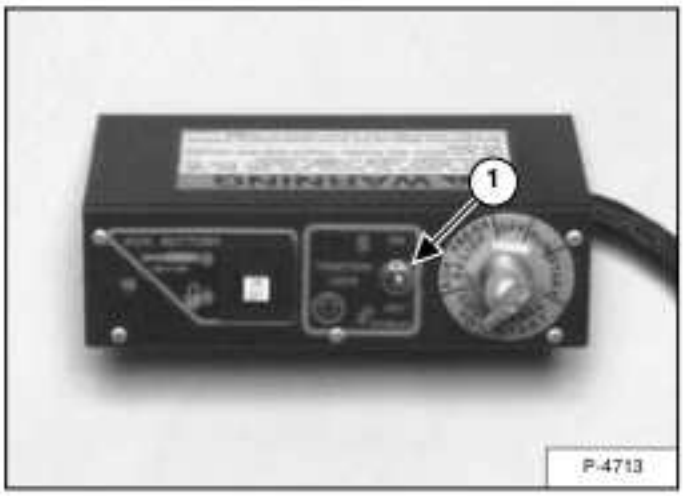
Procedure (Cont'd)

Figure 10-60-2



NOTE: On late model loaders, the connector on the BICS™ harness is a round 7-pin connector, NOT a rectangular 8-pin connector. Use the adapter (Item 1) [Figure 10-60-2] if your loader has a round 7-pin BICS harness connector.

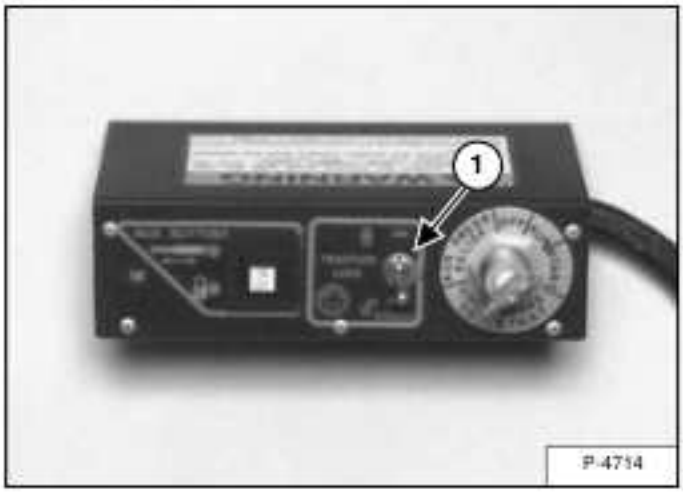
Figure 10-60-3



Put the traction lock override switch (Item 1) **[Figure 10-60-3]** in the ON position so the traction function is locked. The wheels are not able to turn.

Turn the key to the right and start the engine.

Figure 10-60-4



Move the traction lock override switch (Item 1) **[Figure 10-60-4]** to the OFF position so the traction function is unlocked. The wheels are now able to turn.

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TRACTION LOCK

Troubleshooting Guide

The following troubleshooting guide is provided for assistance in locating and correcting BICS system problems. It is recommended that these procedures be done by authorized Bobcat Service Personnel only.

⚠ 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	SOLUTION #
Traction lock stays engaged.	1, 2, 3, 4, 5, 6, 7, 8
Intermittent activation of traction lock.	9, 10, 11

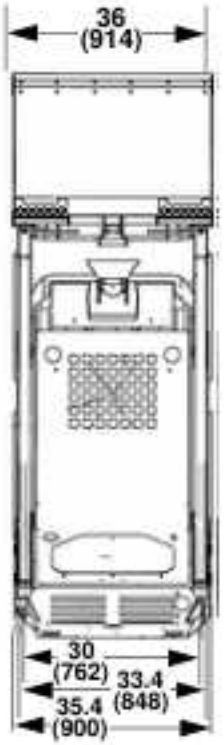
SOLUTION SUGGESTIONS	
1.	Check that controller power indicator light is ON.
2.	Make sure brake pedal is not engaged.
3.	Maneuver loader to allow brake discs to move and remove pressure on the brake wedge so it can retract.
4.	If all lights indicate the brake should be released, but it doesn't, check the brake 25 amp. fuse.
5.	When checking fuse, also check other fuses. Check the fuse block for correct orientation and location of fuses. (See Fuse Location on Page 60-10-2.)
6.	To test the solenoid, the pull coil should be .4 to .5 ohms and the hold coil 10.5 to 11.0 ohms.
7.	Check the brake solenoid adn cover mounting hardware for the correct torque.
8.	Remove the brake cover and check wedges for binding in the wedge guides.
9.	Check wire connections for loose connector body.
10.	Check for loose or bent pins in connectors.
11.	Check for loose spade connectors in fuse holder.

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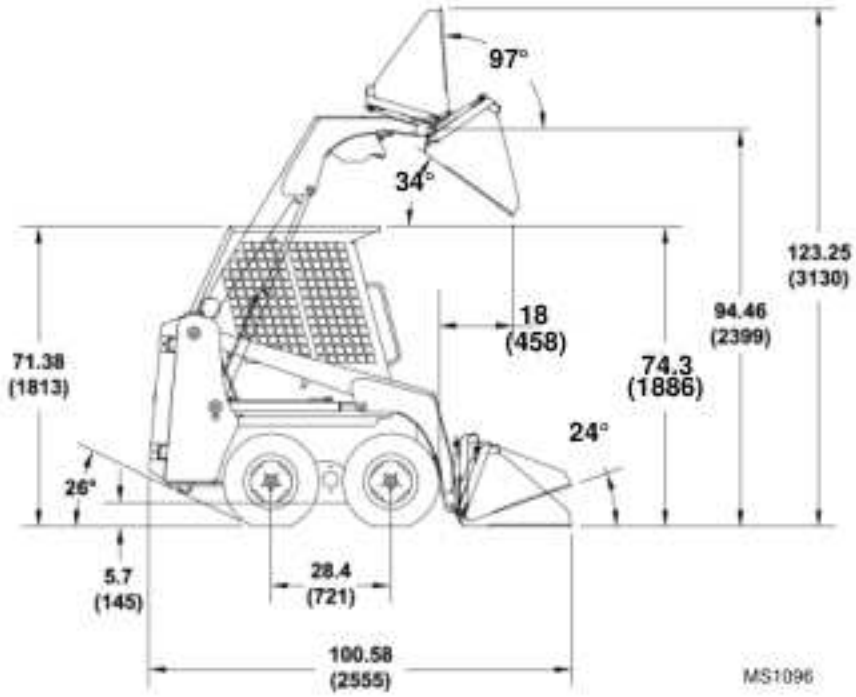
LOADER SPECIFICATIONS

Machine Specifications

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



MS-1096A



MS1096

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.

Specifications

Performance

	463
Rated Operating Capacity (SAE)	700 lbs. (318 kg)
Tipping Load (SAE Rating)	1421 lbs. (645 kg)
Operating Weight	2708 lbs. (1229 kg)
SAE Breakout Force - Lift	1840 lbs. (835 kg)
Tilt	1440 lbs. (654 kg)
Axle Torque	1775 ft.-lbs. (2407 Nm)
Travel Speed	0-6.2 MPH (9,9 km/hr.)

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