S150
S160
TURBO

Bobcat®

Service Manual

S/N 526611001 & Above
S/N 526711001 & Above
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EQUIPPED WITH BOBCAT INTERLOCK CONTROL SYSTEM (BICS™)

6902730 (7-09)

Printed in U.S.A.

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(PRINTED NOVEMBER 2003)
V-0392

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(WITHOUT ACS OPTION)

S/N 526611001 & ABOVE
S/N 526711001 & ABOVE
(PRINTED NOVEMBER 2003)
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S150 WIRING SCHEMATIC

(WITH ACS OPTION)

S/N 526811001 & ABOVE
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(PRINTED NOVEMBER 2003)
V-0393

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(WITH ACS OPTION)

S/N 526611001 & ABOVE
S/N 526711001 & ABOVE
(PRINTED NOVEMBER 2003)
V-0393

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OPTIONS

S/N 526811001 & ABOVE
S/N 526911001 & ABOVE
(PRINTED MAY 2004)
V-0394

S160 WIRING SCHEMATIC

OPTIONS

S/N 526611001 & ABOVE
S/N 526711001 & ABOVE
(PRINTED MAY 2004)
V-0394

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(PRINTED NOVEMBER 2003)
V-0395

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S/N 526611001 & ABOVE
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TRACTION LOCK

Troubleshooting Chart

The following troubleshooting chart 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.

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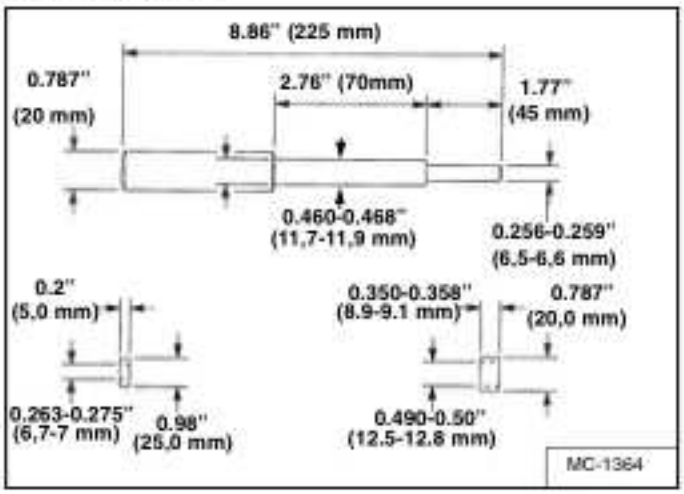
PROBLEM	CAUSE
Traction lock stays engaged.	1, 2, 3, 4, 5, 6, 7,11,12,13
Intermittent activation of traction lock.	8, 9, 10, 11

KEY TO CORRECT THE CAUSE
1. Make sure brake pedal is not engaged.
2. Maneuver loader to allow brake discs to move and remove pressure on the brake wedge so it can retract.
3. If all lights indicate the brake should be released, but it has not released, check the brake 30 amp. fuse.
4. When checking fuse, also check other fuses. Check the fuse block for correct orientation and location of fuses. (See ELECTRICAL SYSTEM INFORMATION on Page 60-10-1.)
5. To test the solenoid, the pull coil should be about 0.3 ohms and the hold coil should be about 10.9 ohms.
6. Check brake solenoid and cover mounting hardware for the correct torque.
7. Remove brake cover and check wedges for binding in the wedge guides.
8. Check wire connections for loose connector body.
9. Check for loose or bent pins in connectors.
10. Check for loose spade connectors in fuse holder.
11. Check flywheel RPM sensor and wiring.
12. Check the Display Panel for an error code. (See Electrical System Service Manual)
13. Check brake solenoid wiring voltage, solenoid wiring should read 12 volts.

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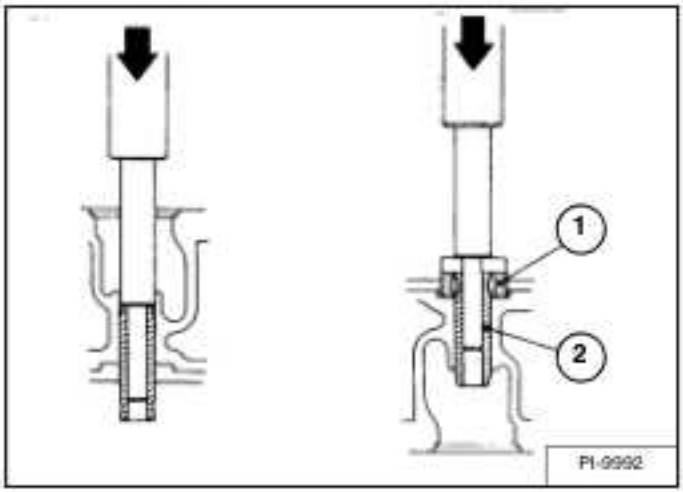
Valve Guide Checking (Cont'd)

Figure 70-100-21



To remove and replace the valve guide, make the driver tool as shown in figure **[Figure 70-100-21]**.

Figure 70-100-22



Press the used valve guide out of the cylinder head using the special driver tool **[Figure 70-100-22]**.

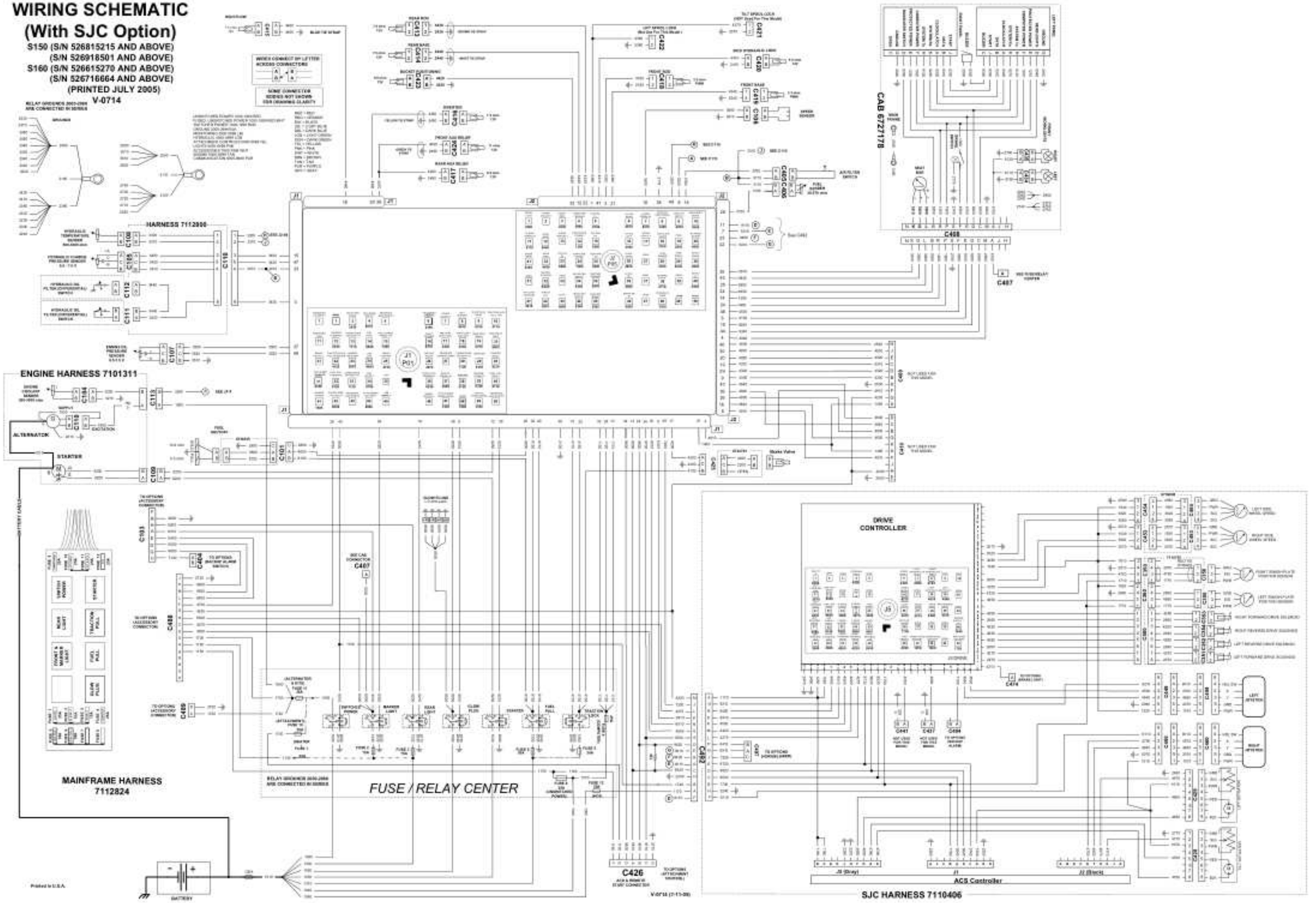
Put oil on the outside diameter of the new valve guide. Press the new valve guide into the cylinder head from the top side. Use the special driver tools (Items 1 & 2) **[Figure 70-100-22]**, press the new guide until the tool contacts the cylinder head.

Ream the valve guide to the correct specifications.

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(PRINTED JULY 2005)
V-0714



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