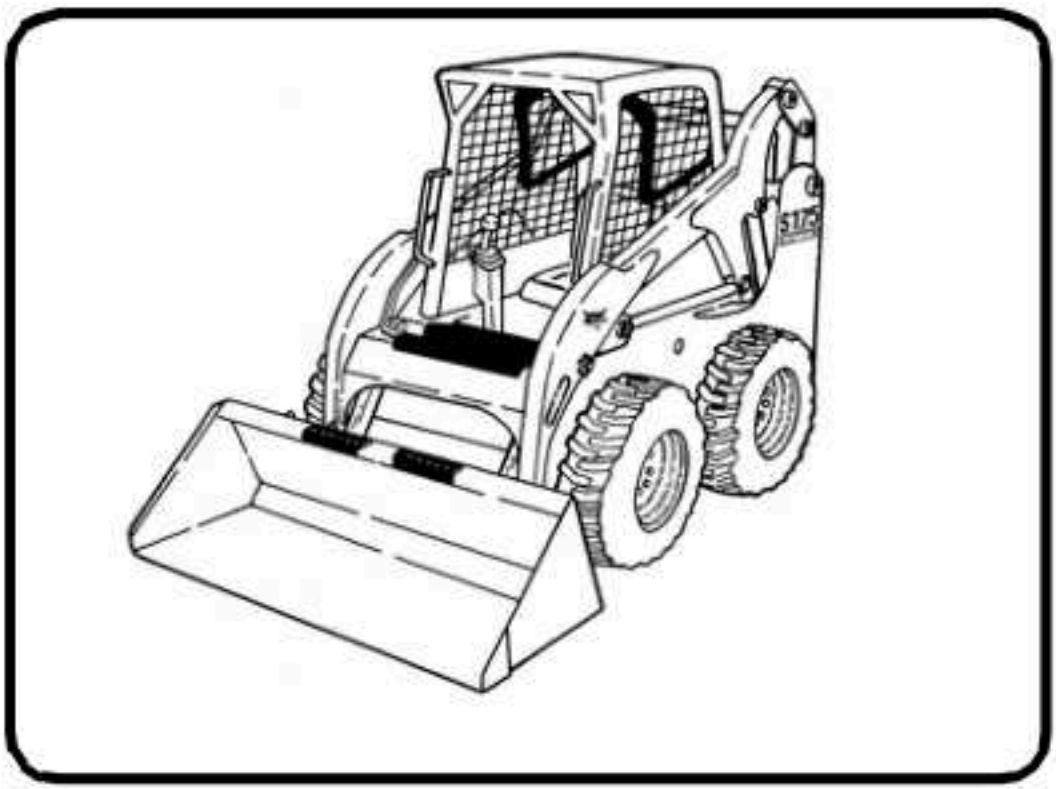
Bobcat®

Service Manual
S175 Skid-Steer Loader

S/N A3L511001 - A3L519999



EQUIPPED WITH BOBCAT INTERLOCK CONTROL SYSTEM (BICS)

6986567 (5-08)

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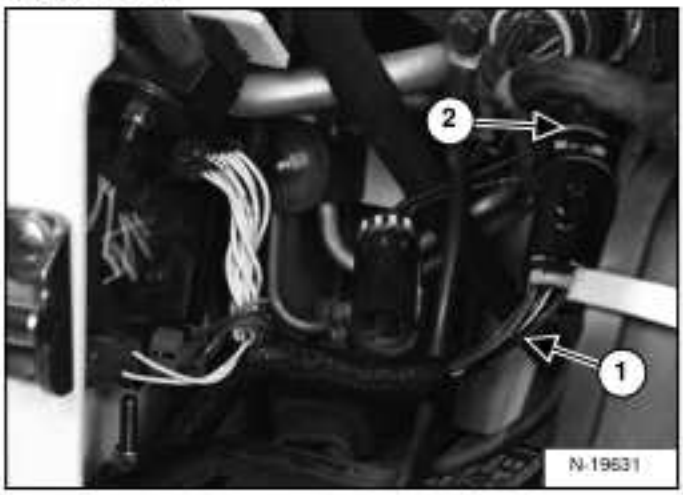
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Service Tool Harness Control - MEL1565 (Cont'd)

Figure 10-60-7



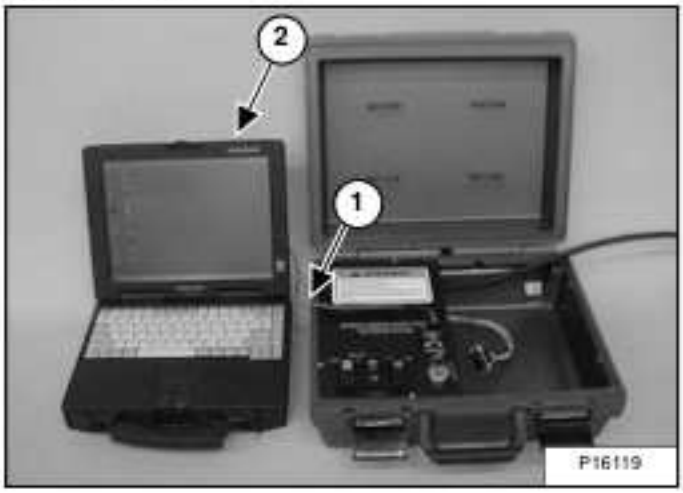
Loaders equipped with an attachment harness (Item 1) **[Figure 10-60-7]** must disconnect the attachment harness from the loader harness (Item 2) **[Figure 10-60-7]**.

Connect the service tool harness to the ACD connector and the loader harness connector.

NOTE: To monitor, diagnose or load new software the Service PC must be connected to the Remote Start Tool Switch.

Service Tool Harness Communicator - MEL1566

Figure 10-60-8



The service tool harness communicator (Item 1) **[Figure 10-60-8]** is required to connect remote start tool to the Service PC (Item 2) **[Figure 10-60-8]**.

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Troubleshooting

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.

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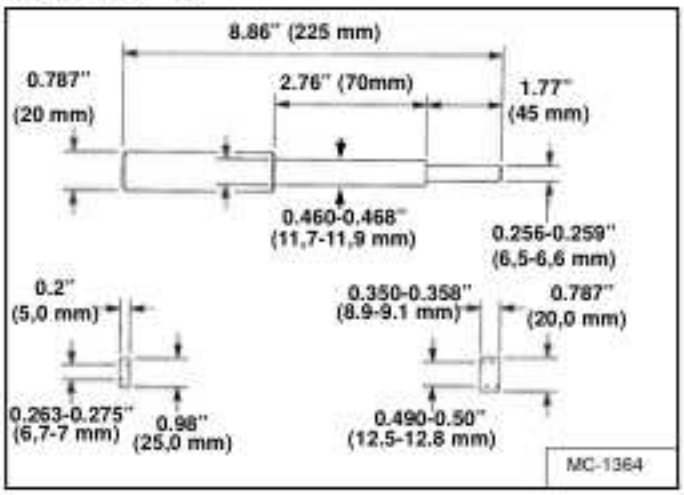
PROBLEM	SOLUTION#
All indicator lights flashing.	5
One of the indicator lights flashing.	1
Intermittent indicator lights.	2, 3, 4

SOLUTION SUGGESTIONS
1. Refer to BICS troubleshooting chart.(See Troubleshooting Chart on Page 60-100-4.)
2. Check wire connections on Bobcat controller to make sure connectors are locked into place.
3. Check pins in connectors for pins pushed back or bent.
4. Use seatbar sensor tester MEL1428 to isolate problem between sensor and controller and wiring.
5. Possible low or high voltage.

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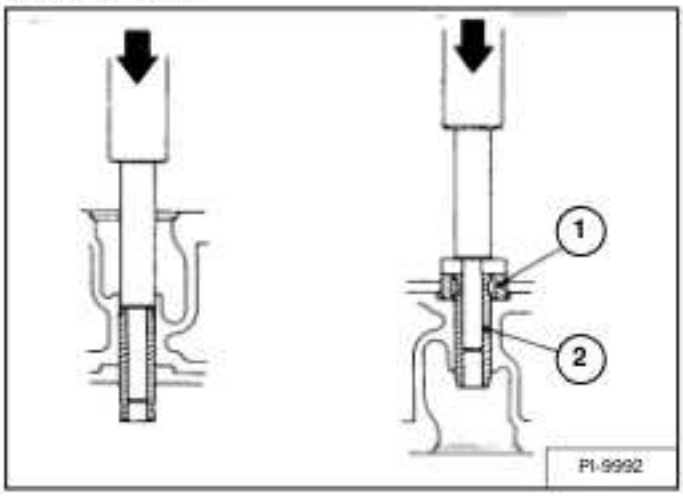
Valve Guide - Checking (Cont'd)

Figure 70-80-27



To remove and replace the valve guide, make the driver tool as shown in figure **[Figure 70-80-27]**.

Figure 70-80-28



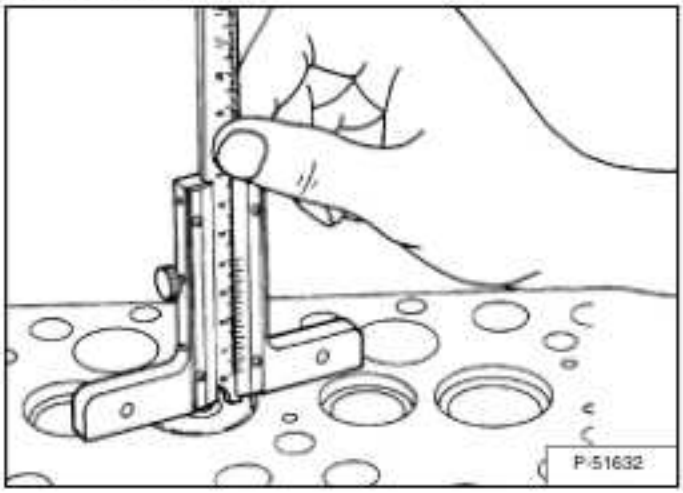
Press the used valve guide out of the cylinder head using the special driver tool **[Figure 70-80-28]**.

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 70-80-28]**, press the new guide until the tool contacts the cylinder head.

Ream the valve guide to the correct specifications.

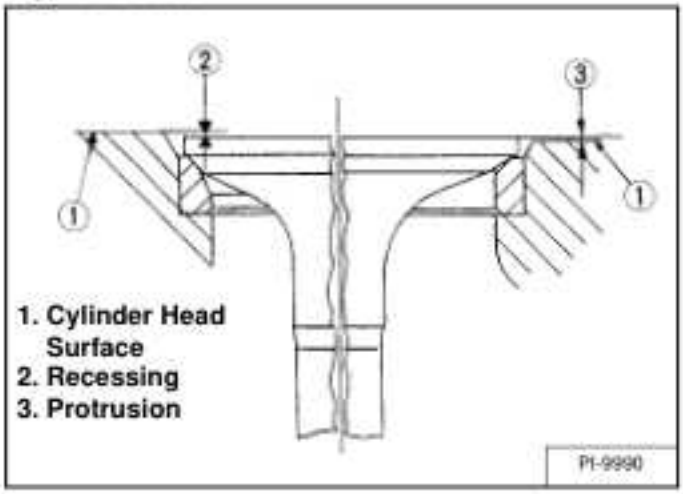
Reconditioning The Valve And Valve Seat

Figure 70-80-29



Install the valve into the guide. Measure the valve recessing or protrusion with a depth gauge **[Figure 70-80-29]**.

Figure 70-80-30



If the measurement exceeds the allowable limit, replace the valve or cylinder head **[Figure 70-80-30]** .

Protrusion	0.002 inch (0,5 mm)
Recessing	0.006 inch (0,15 mm)
Allowable Limit (Recessing)	0.016 inch (0,4 mm)

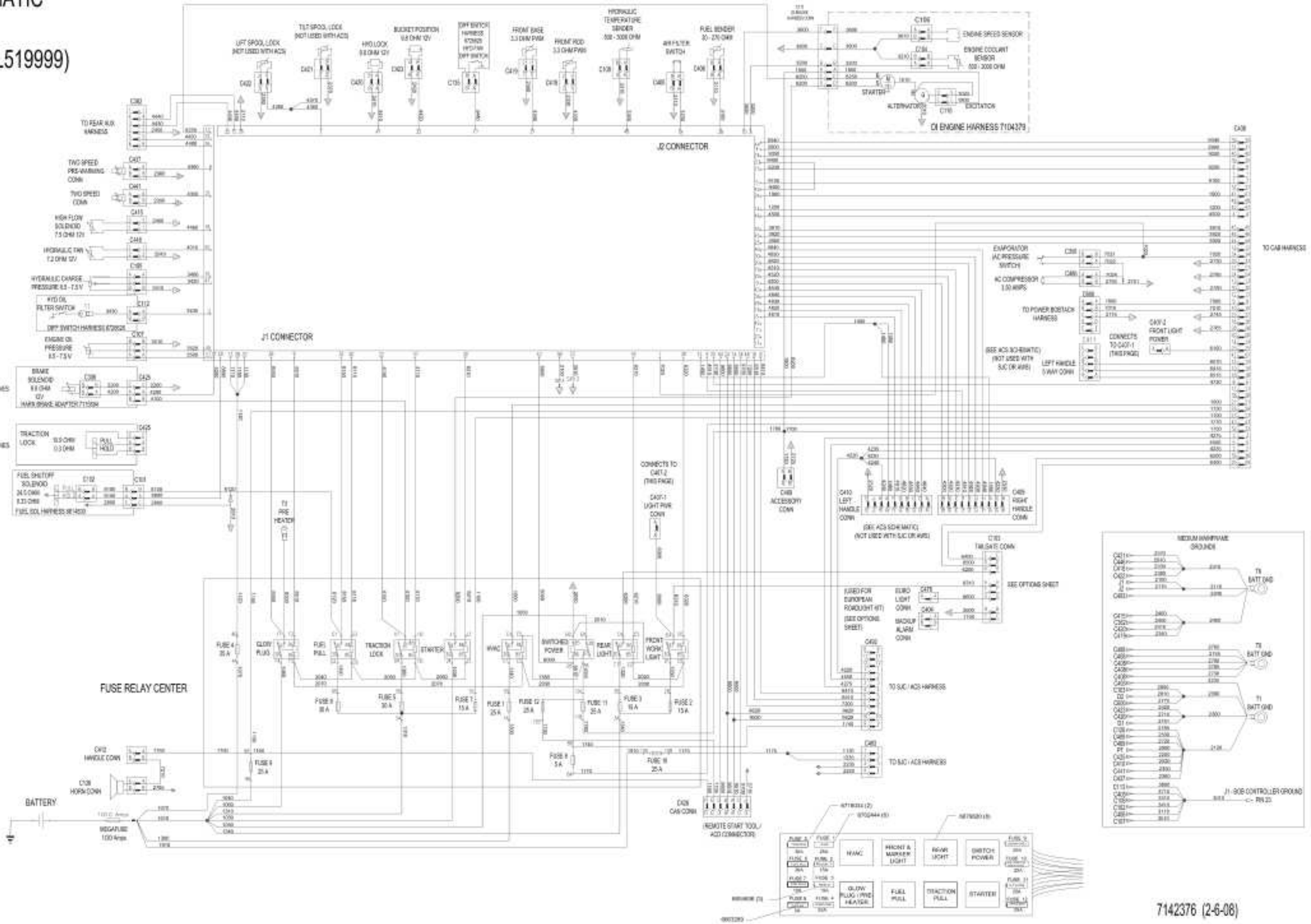
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