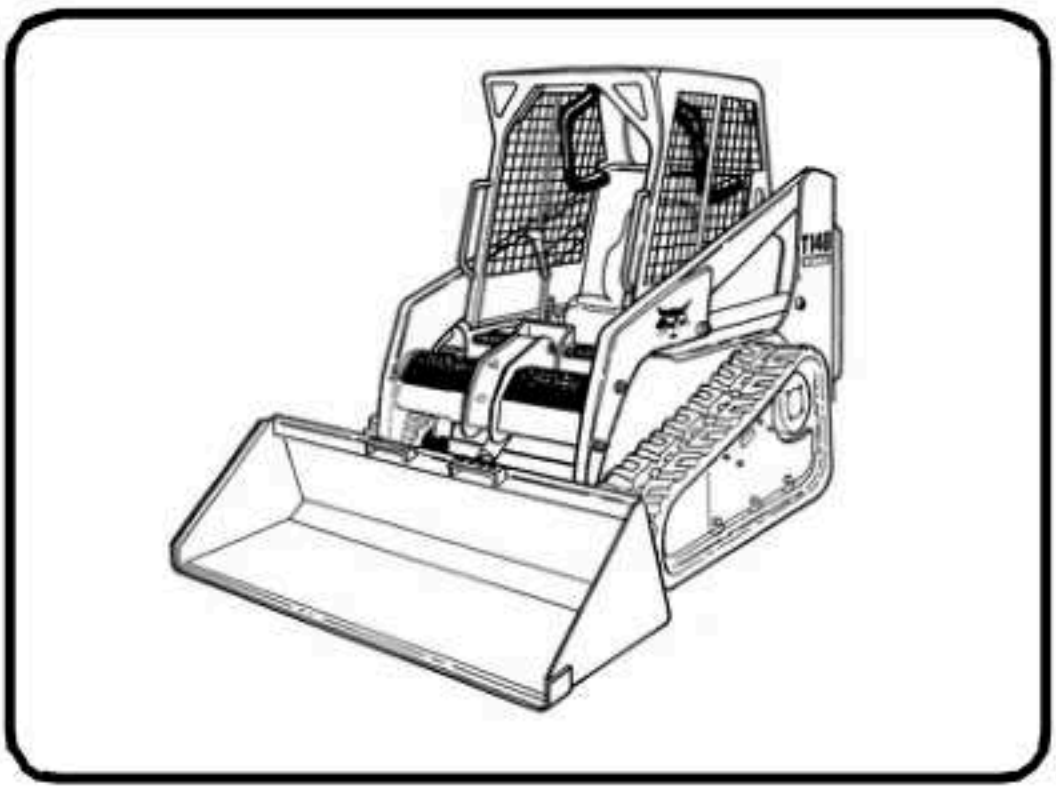
Bobcat®

Service Manual
T140 Compact Track Loader

S/N A3L720001 & Above
S/N A3L820001 & Above



EQUIPPED WITH
BOBCAT INTERLOCK
CONTROL SYSTEM (BICS™)

6987041 (9-08)

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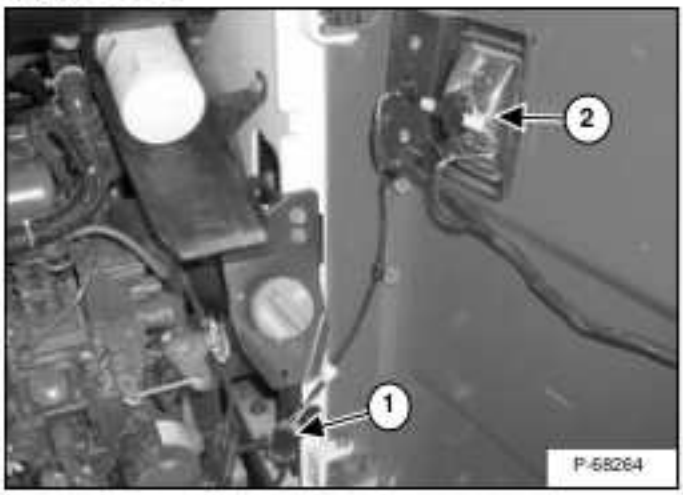
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REAR DOOR

Removal And Installation

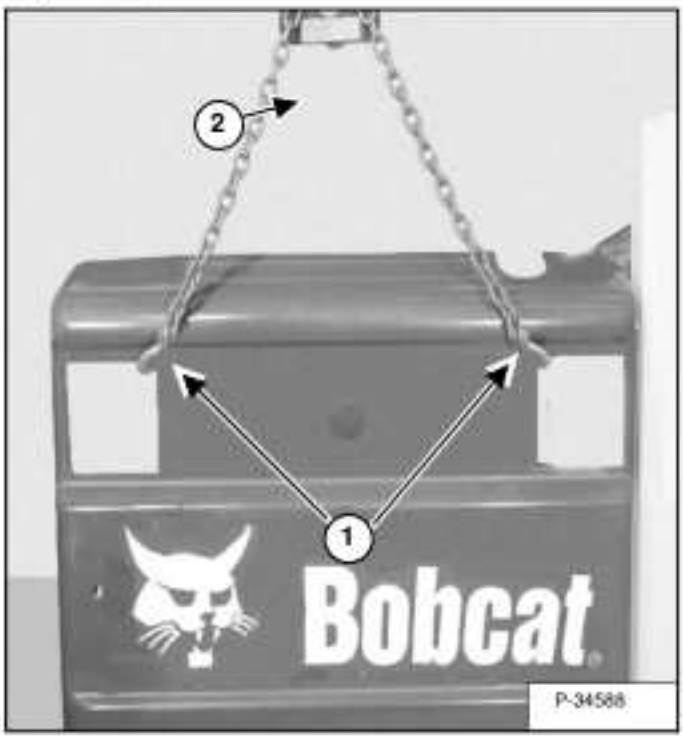
Figure 50-70-1



Disconnect the light harness connector (Item 1) **[Figure 50-70-1]** from the engine harness.

Remove both rear lights (Item 2) **[Figure 50-70-1]** from the door. (See Rear Removal And Installation on Page 60-60-2.)

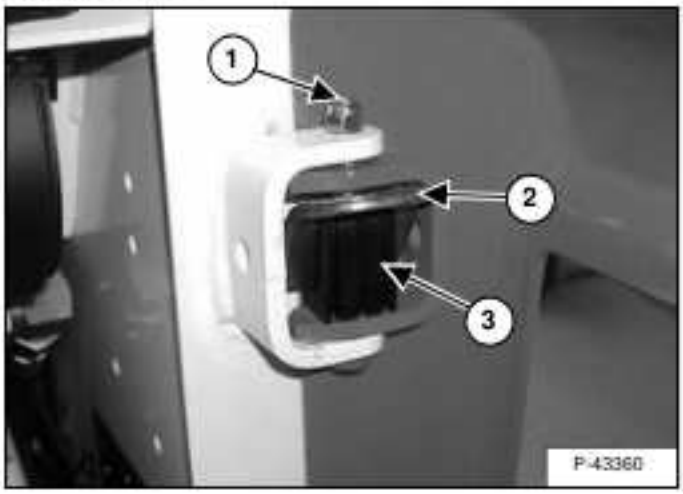
Figure 50-70-2



Secure the chain hooks (Item 1) **[Figure 50-70-2]** to the door as shown.

Connect a chain hoist (Item 2) **[Figure 50-70-2]** to the lifting chain.

Figure 50-70-3



Remove the top and bottom door hinge mounting bolts (Item 1) **[Figure 50-70-3]** and nuts.

NOTE: Install the door stop (Item 2) and the door stop retainer (Item 3) [Figure 50-70-3] in the top hinge as shown.

Installation: Tighten the mounting bolts and nuts to 25-28 ft.-lb. (34-38 N•m) torque.

Lift the door away from the loader frame and put the door flat on the floor.

Reverse the removal procedure to install the rear door.

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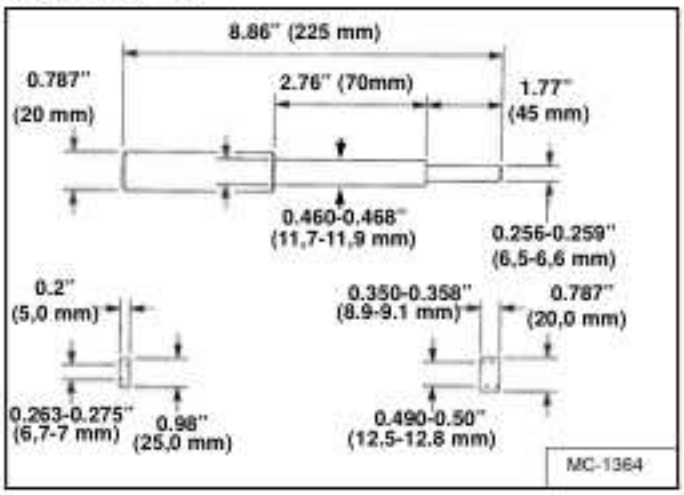
PROBLEM	SOLUTION#
All indicator lights flashing.	5
One of the indicator lights flashing.	1
Intermittent indicator lights.	2, 3, 4

SOLUTION SUGGESTIONS
1. Refer to BICS troubleshooting chart.
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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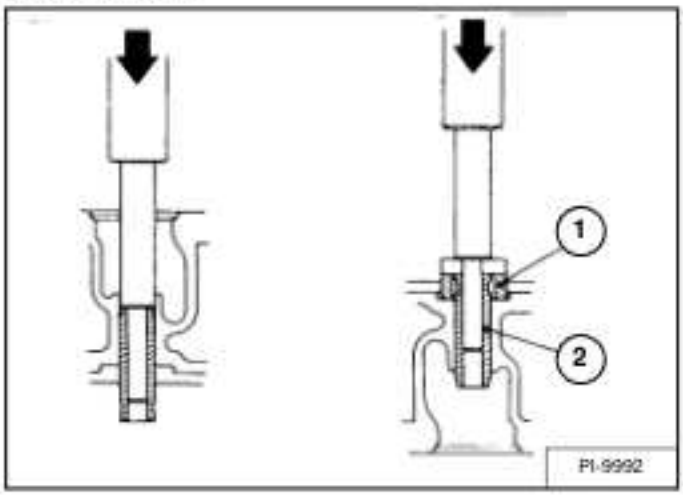
Valve Guide - Checking (Cont'd)

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



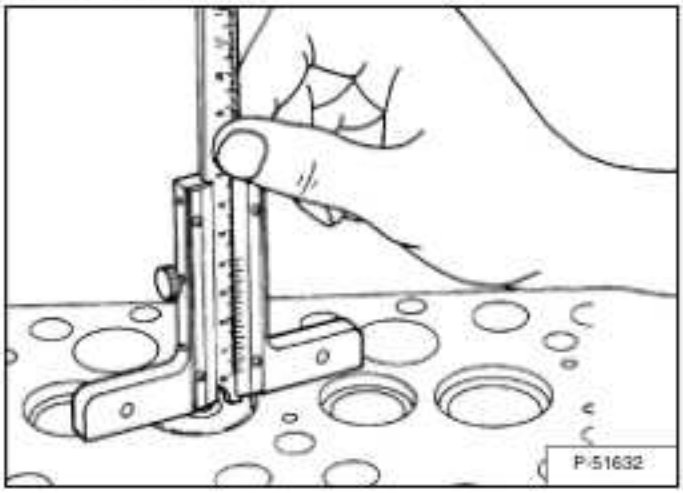
Press the used valve guide out of the cylinder head using the special driver tool **[Figure 70-80-28]**.

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.

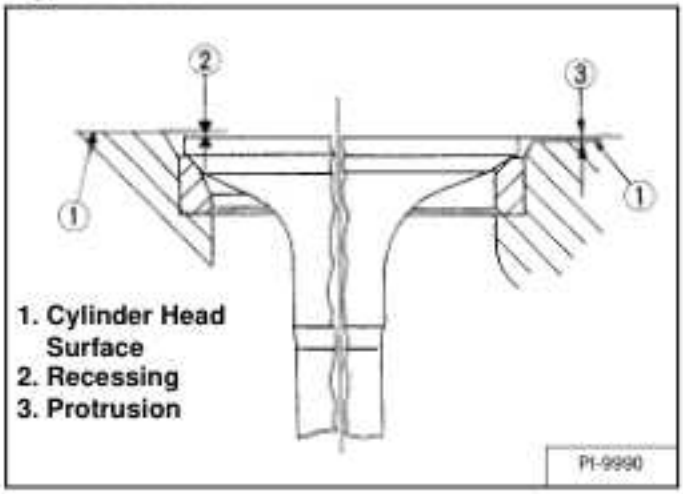
Reconditioning The Valve And Valve Seat

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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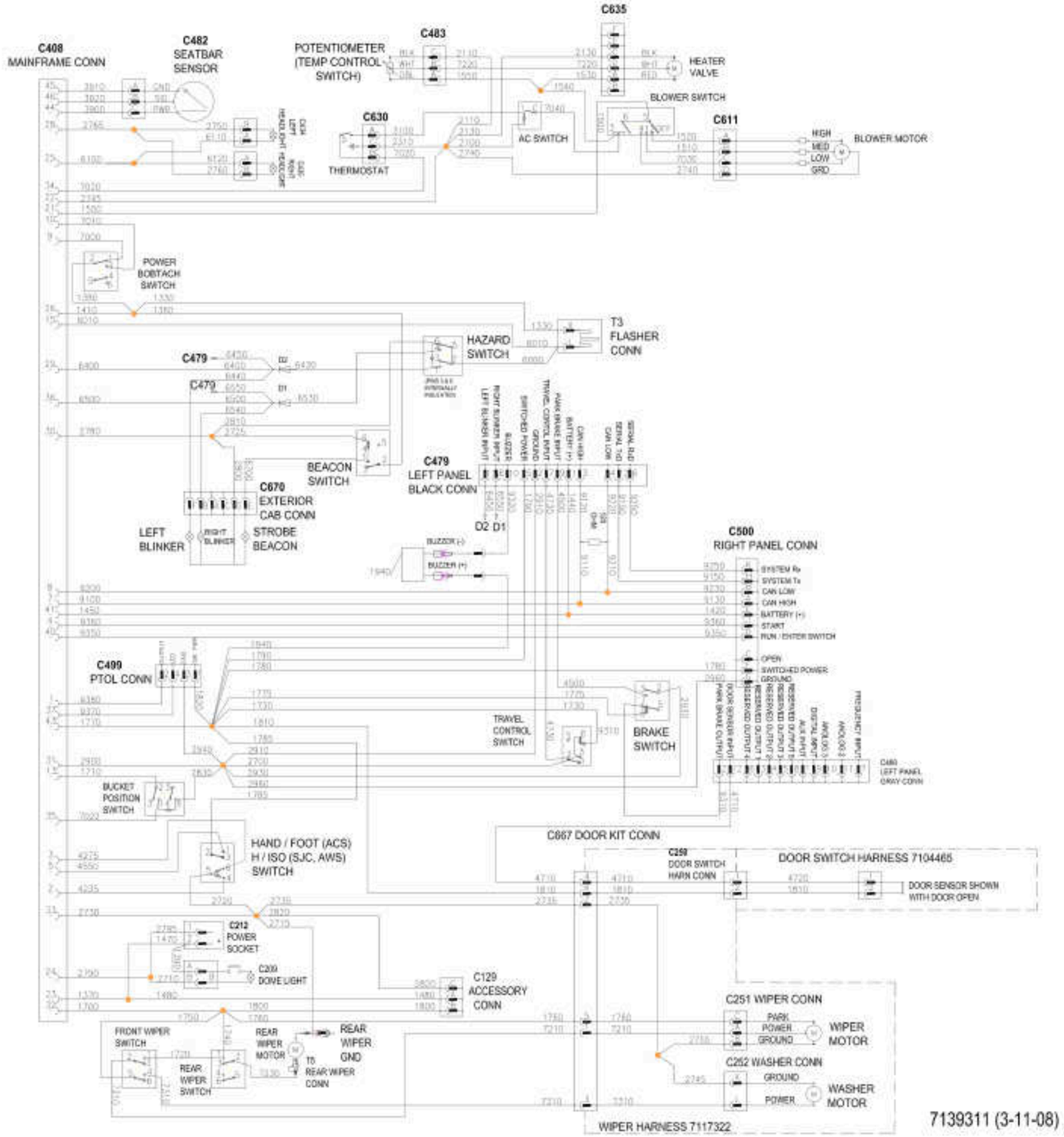
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T140 (S/N A3L720001 AND ABOVE)
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