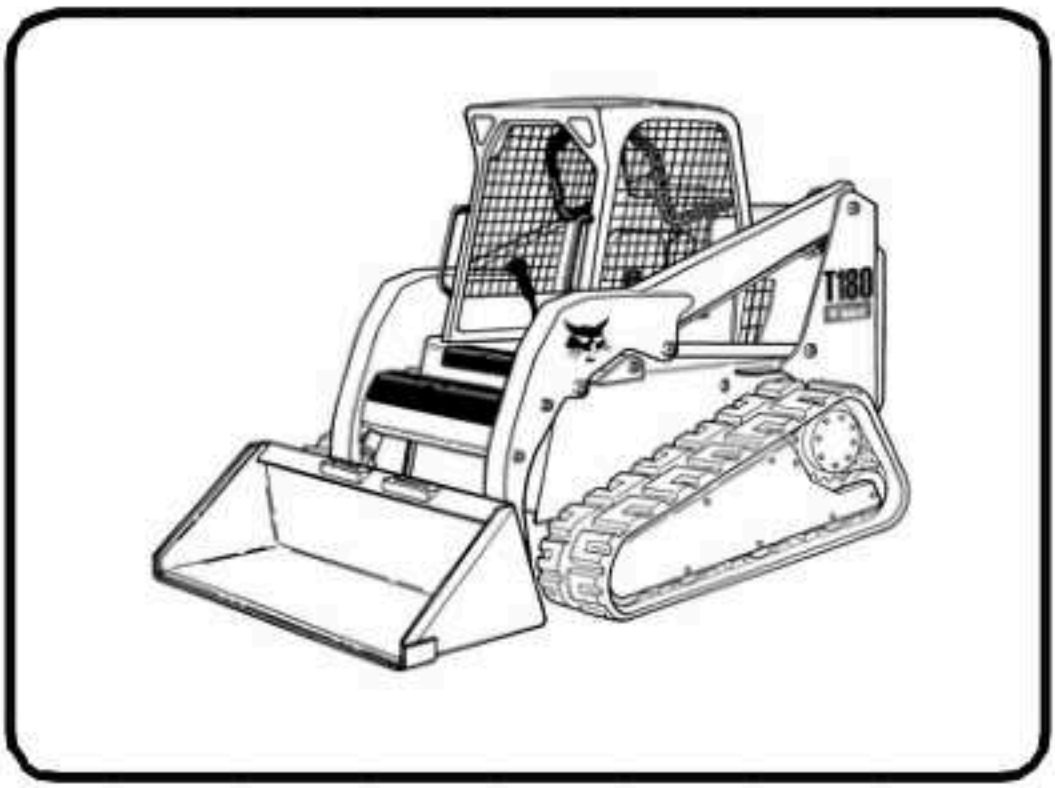
Bobcat®

Service Manual
T180 Compact Track Loader

S/N 531460001 & Above
S/N 531560001 & Above



EQUIPPED WITH BOBCAT INTERLOCK CONTROL SYSTEM (BICS™)

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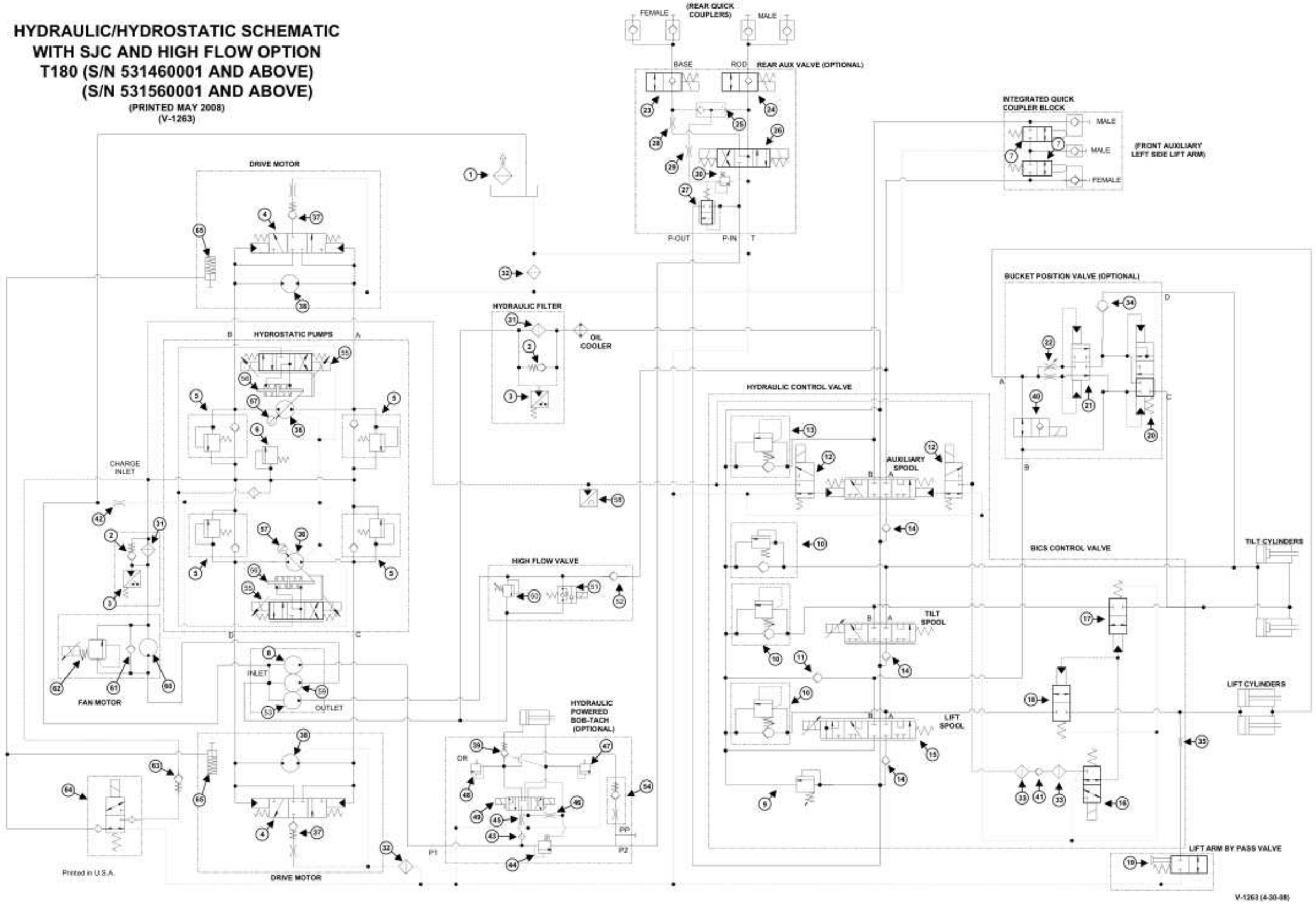
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HYDRAULIC/HYDROSTATIC SCHEMATIC WITH SJC AND HIGH FLOW OPTION T180 (S/N 531460001 AND ABOVE) (S/N 531560001 AND ABOVE)

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(V-1263)



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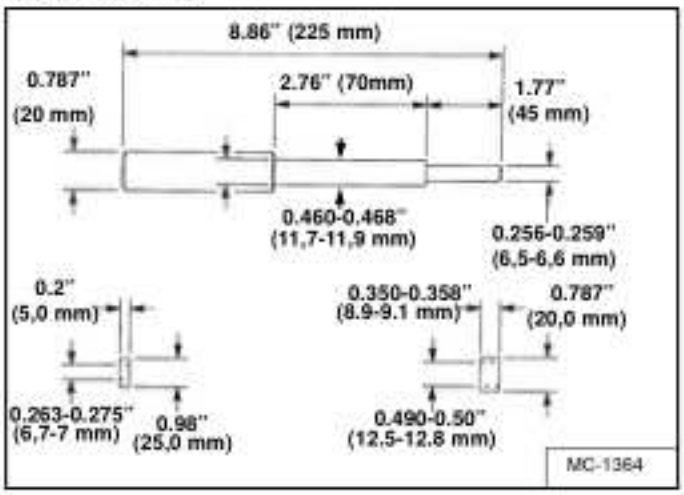
PROBLEM	SOLUTION#
All indicator lights flashing.	5
One of the indicator lights flashing.	1
Intermittent indicator lights.	2, 3, 4

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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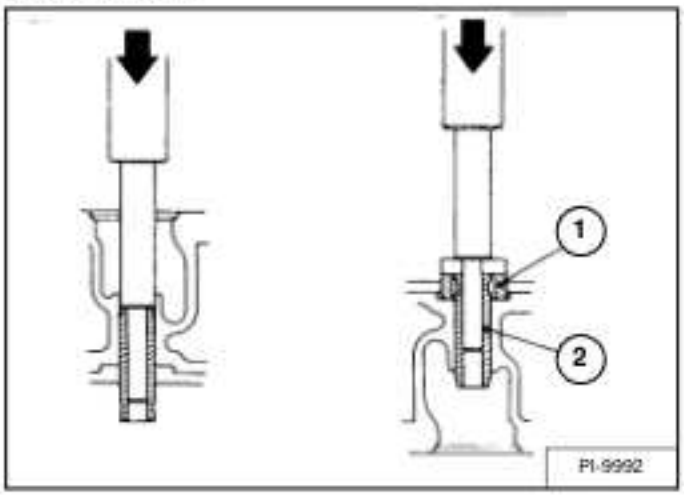
Valve Guide-Checking (Cont'd)

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



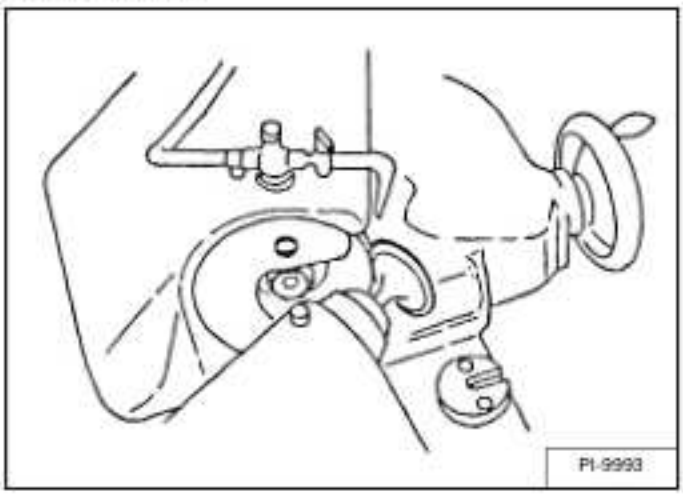
Press the used valve guide out of the cylinder head using the special driver tool **[Figure 70-80-28]**.

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

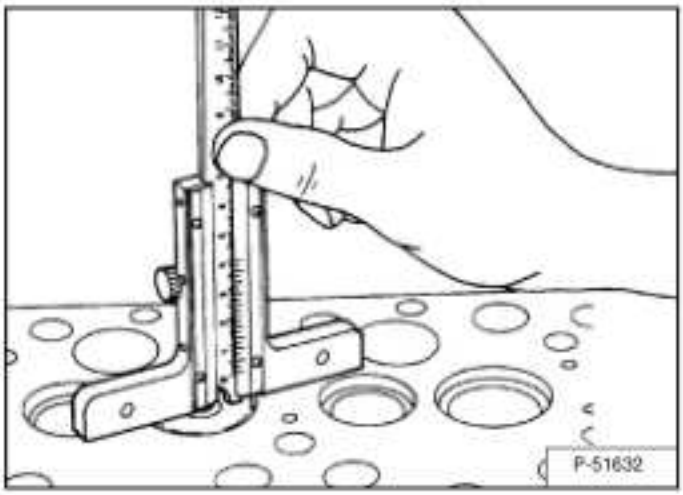
Figure 70-80-29



Grind the valve face to the correct angle using a valve refacer **[Figure 70-80-29]**.

Clean the valve seat and combustion chamber.

Figure 70-80-30



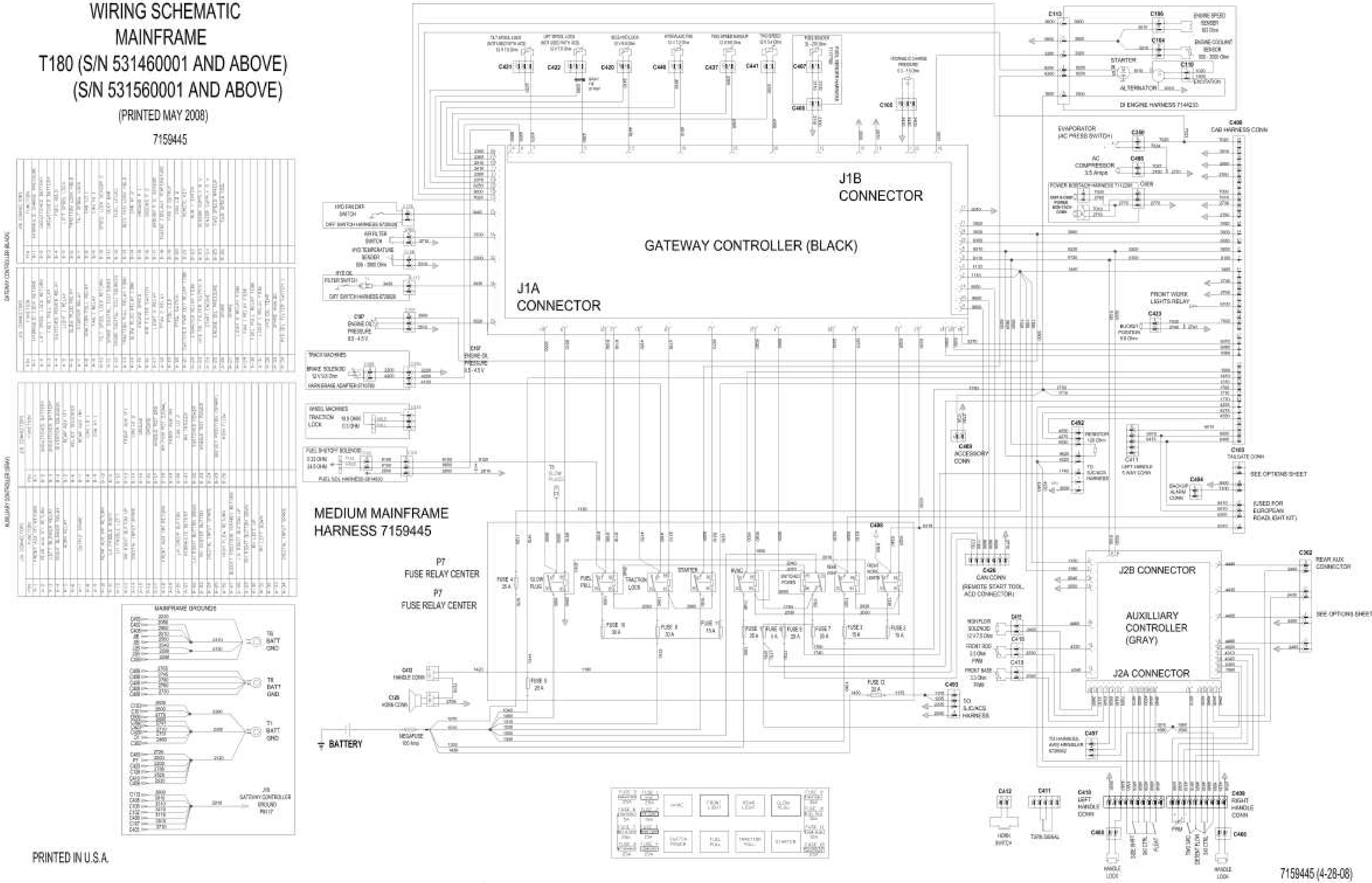
Install the valve into the guide. Measure the valve recessing or protrusion with a depth gauge **[Figure 70-80-30]**.

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WIRING SCHEMATIC
MAINFRAME
T180 (S/N 531460001 AND ABOVE)
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