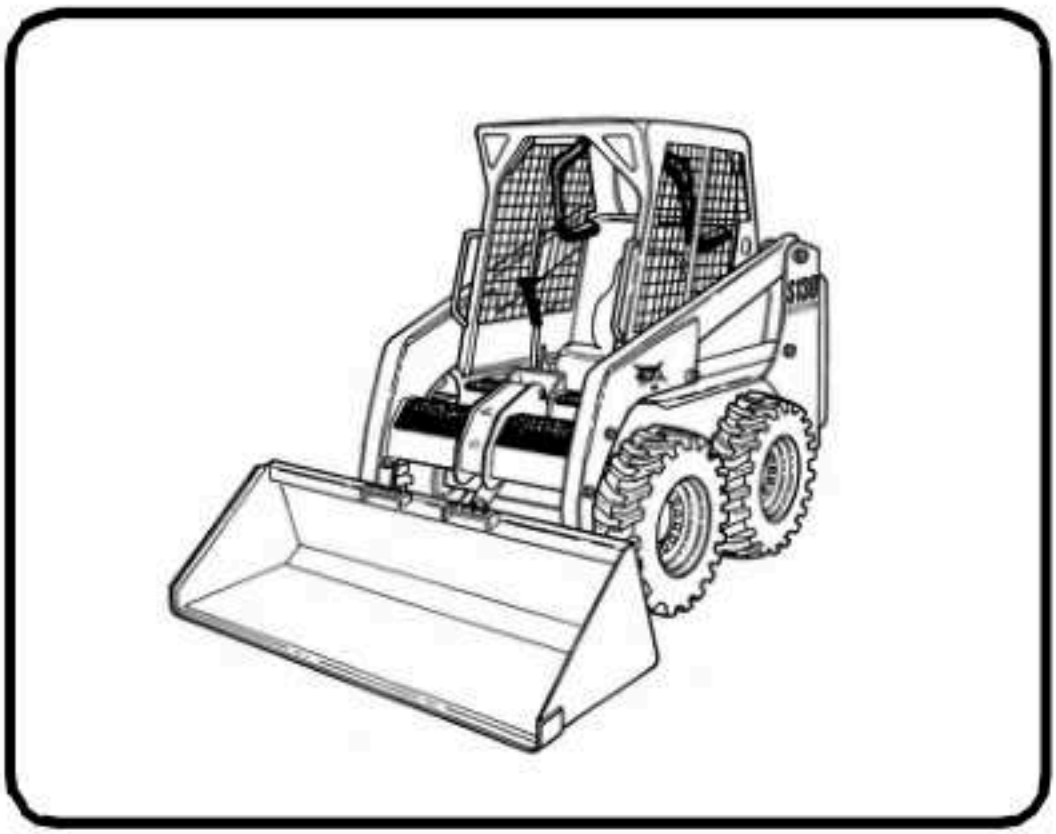
Bobcat®

Service Manual
S130 Skid-Steer Loader

S/N A3KY20001 & Above



EQUIPPED WITH
BOBCAT INTERLOCK
CONTROL SYSTEM (BICS™)

6987032 (9-08)

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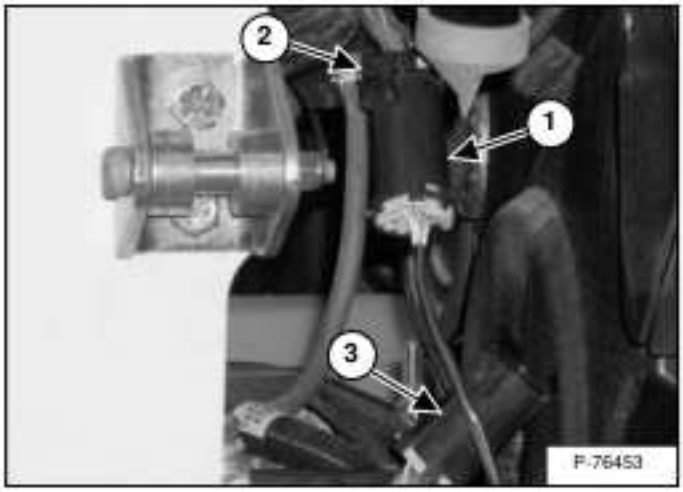
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Loader Service Tool Harness - 6689747 (Cont'd)

Figure 10-61-21



NOTE: The Remote Start Tool (Service Tool) connection harness has two connectors (Item 1) and (Item 3). The main connector (Item 1) [Figure 10-61-21] is always used for connection to the loader harness.

The second connector (Item 3) [Figure 10-61-21] is used for attachment ACD upgrades or attachment operational diagnostics only. This connector has a cap attached to it to prevent damage or corrosion when not in use.

Connect the Remote Start Tool (Service Tool) connector (Item 1) to the loader harness connector (Item 2) and the other Remote Start Tool (Service Tool) connector to the ACD harness connector (Item 3) **[Figure 10-61-21]**.

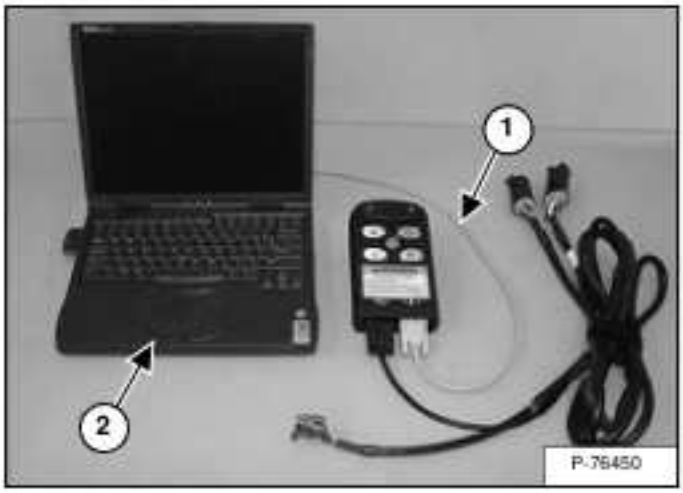
NOTE: The right instrument panel (Standard Key Panel or Deluxe Instrumentation Panel) must be in the off position or the Remote Start Tool (Service Tool) will not operate.



P-76454

Computer Service Tool Harness - 6689746

Figure 10-61-22



The computer service tool harness (Item 1) **[Figure 10-61-22]** is required to connect remote start tool (service tool) to the Service PC (Item 2) **[Figure 10-61-22]**.

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Troubleshooting

Please refer to Bobcat Advanced Troubleshooting System (B.A.T.S.) for troubleshooting information. 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.

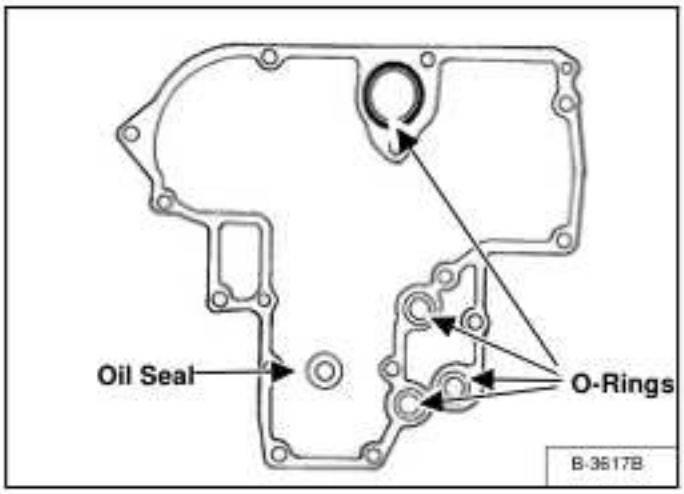
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Timing Gearcase Cover Removal And Installation (Cont'd)

Figure 70-100-9

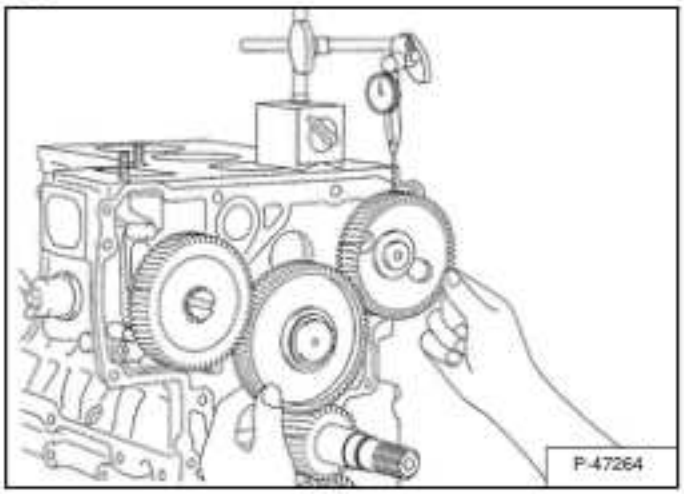


Installation: Install new O-rings and oil seal into the timing gearcase cover **[Figure 70-100-9]**.

Timing Gears Backlash - Checking

When the gears are installed, check the backlash of the gears.

Figure 70-100-10



Install a dial indicator **[Figure 70-100-10]**.

Hold one gear while turning the other gear **[Figure 70-100-10]**.

If the backlash exceeds the allowable limit, check the oil clearance of the shaft and gear. If the oil clearance is correct, replace the gear.

Crank Gear & Idler Gear	0.0016 - 0.0044 in (0,042 - 0,112 mm)
Allowable Limit	0.006 in (0,15 mm)
Cam Gear & Idler Gear	0.0016 - 0.0045 in (0,042 - 0,115 mm)
Allowable Limit	0.006 in (0,15mm)
Injection Pump Gear & Idler Gear	0.0016 - 0.0045 in (0,042 - 0,115 mm)
Allowable Limit	0.006 in (0,15 mm)
Oil Pump Gear & Crankgear	0.0016 - 0.0043 in (0,042 - 0,109 mm)
Allowable Limit	0.006 in (0,15 mm)

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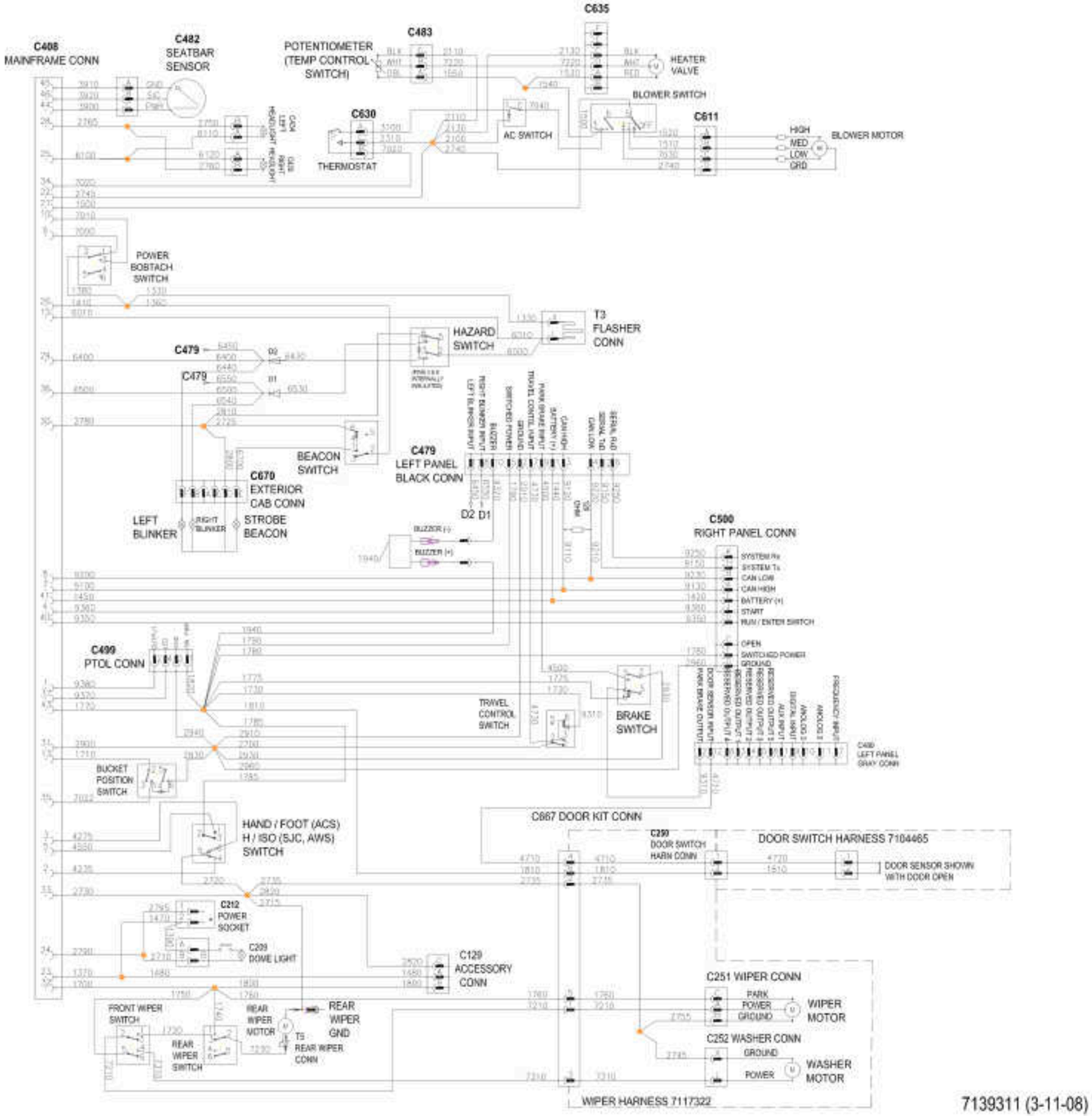
WIRING SCHEMATIC
(DELUXE CAB)
S130 (S/N A3KY20001 AND ABOVE)

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