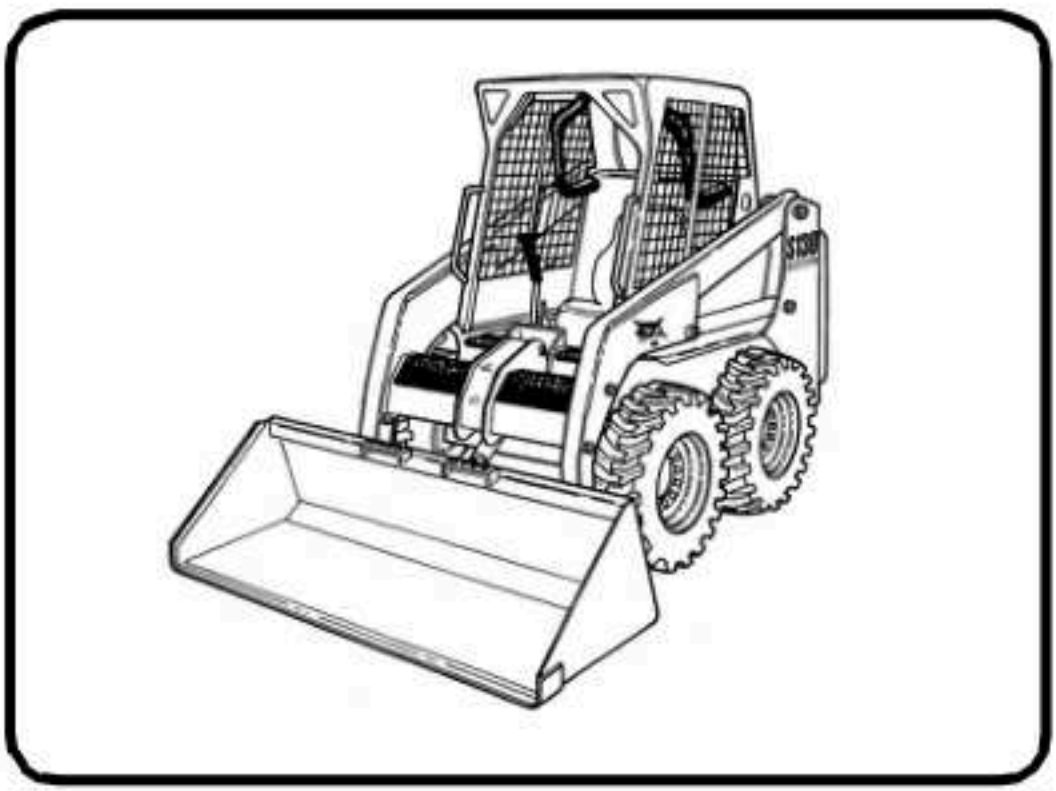
Bobcat®

Service Manual

S130 Skid-Steer Loader

S/N 529211001 & Above
S/N 529611001 & Above
S/N A84W11001 & Above
S/N A1Z711001 - A1Z759999
S/N A8NW11001 & Above
S/N A8KA11001 - A8KA59999



EQUIPPED WITH BOBCAT INTERLOCK CONTROL SYSTEM (BICS)

6904121 (5-08)

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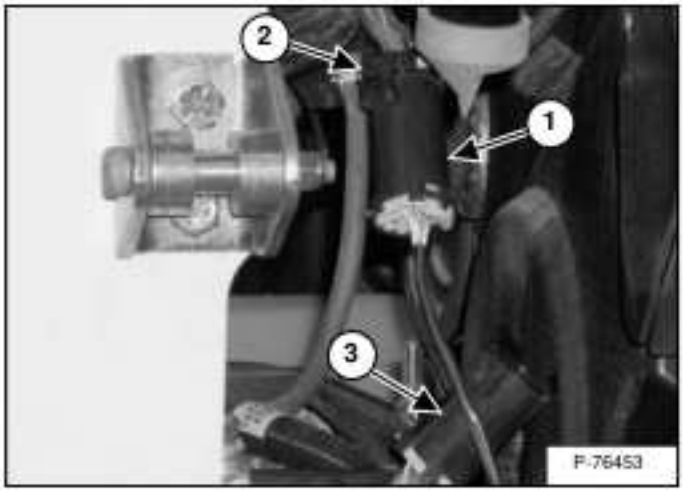
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Loader Service Tool Harness - 6689747 (Cont'd)

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]**.

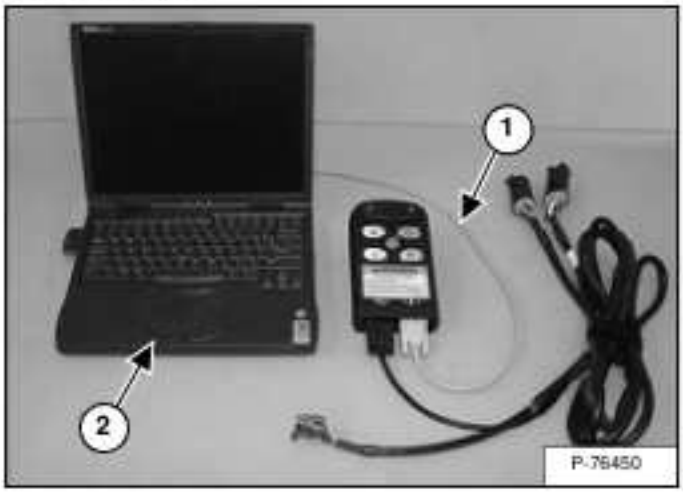
NOTE: The right instrument panel (Key Switch or Keyless) must be in the off position or the Remote Start Tool (Service Tool) will not operate.



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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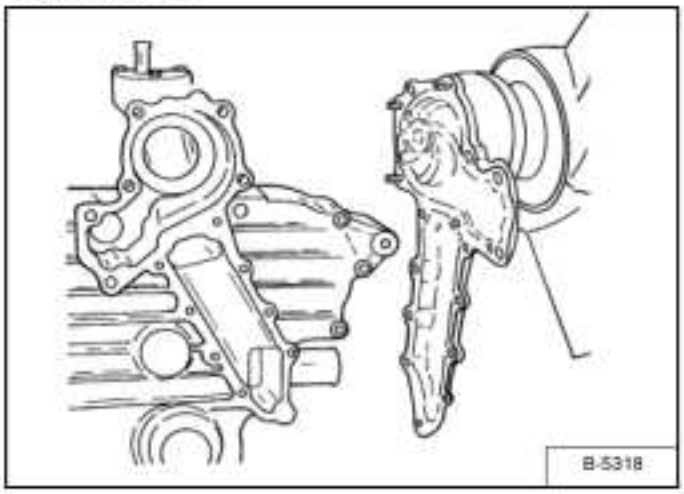
Water Pump Removal And Installation

Drain the cooling system.

Remove the alternator belt.

Remove the water pump bolts.

Figure 70-50-17

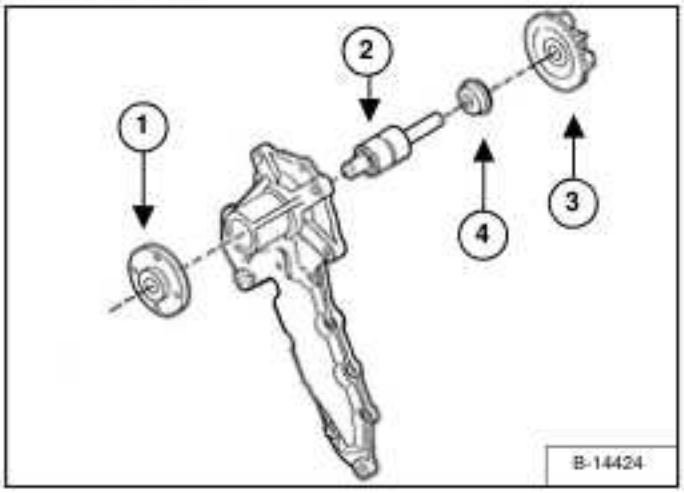


Remove the water pump **[Figure 70-50-17]**.

Installation: Always use a new gasket when installing the water pump.

Water Pump Disassembly And Assembly

Figure 70-50-18



Remove the flange (Item 1) **[Figure 70-50-18]**.

Press the shaft (Item 2) and impeller (Item 3) **[Figure 70-50-18]** out the impeller side of the water pump.

Remove the impeller (Item 3) **[Figure 70-50-18]** from the shaft.

Remove the seal (Item 4) **[Figure 70-50-18]**.

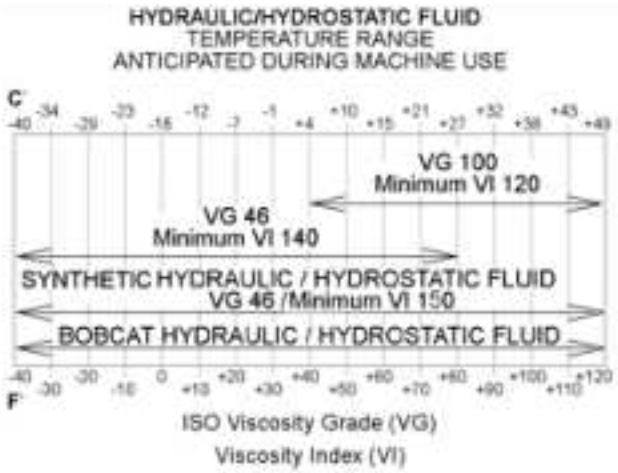
Install a new seal (Item 4) **[Figure 70-50-18]** when assembling the water pump.

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HYDRAULIC/HYDROSTATIC FLUID SPECIFICATIONS

Specifications

Use Bobcat hydraulic/hydrostatic transmission fluid (P/N 6903117 - 2, 2 1/2 Gal.), (P/N 6903118 - 5 Gal.), (P/N 6903119 - 55 Gal.).



DO NOT use automatic transmission fluids in the loader or permanent damage to the transmission will result.

⚠ WARNING

AVOID INJURY OR DEATH

Diesel fuel or hydraulic fluid under pressure can penetrate skin or eyes, causing serious injury or death. Fluid leaks under pressure may not be visible. Use a piece of cardboard or wood to find leaks. Do not use your bare hand. Wear safety goggles. If fluid enters skin or eyes, get immediate medical attention from a physician familiar with this injury.

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When temperatures below zero degree F (-18°C) are common, the loader must be kept in a warm building. Extra warm-up time must be used each time the loader is started during cold temperature conditions. Cold fluid will not flow easily and it makes action of the hydraulic function slower. Loss of fluid flow to the hydrostatic transmission pump (indicated by TRANS light ON) can cause transmission damage in less than 60 seconds.

⚠ WARNING

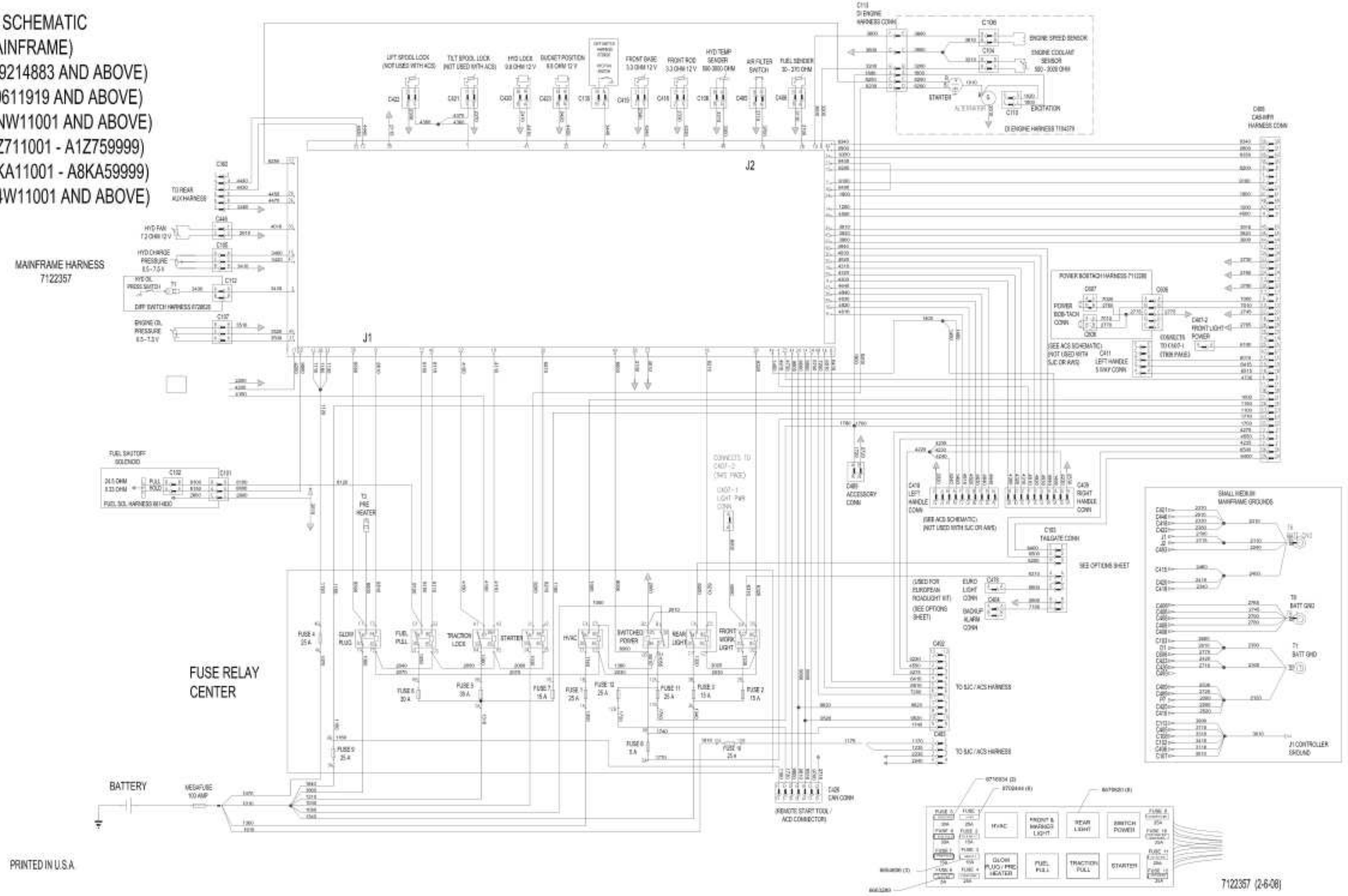
During cold weather (32°F [0°C] and below), do not operate machine until the engine has run for at least five minutes at less than half throttle. This warm-up period is necessary for foot pedal operation and safe stopping. Do not operate controls during warm-up period.

When temperatures are below -20°F (-30°C), the hydrostatic oil must be heated or kept warm. The hydrostatic system will not get enough oil at low temperatures. Park the machine in an area where the temperature will be above 0°F (-18°C) if possible.

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WIRING SCHEMATIC
(MAINFRAME)
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(S/N 529611919 AND ABOVE)
(S/N A8NW11001 AND ABOVE)
(S/N A1Z711001 - A1Z759999)
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