Toolcat™ 5600

Bobcat®

Service Manual

S/N 520511001 & Above



Equipped With Toolcat Interlock Control System (TICS)

6901892 (5-09)

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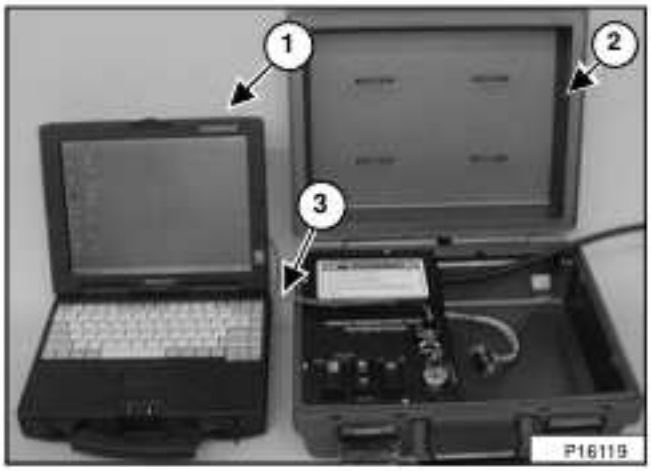
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SERVICE PC (LAPTOP COMPUTER)

Connecting The Service PC To Remote Start Tool

Figure 60-140-1



Tools that will be needed to complete the following steps are:

MEL1563 - Remote Start Tool
MEL1565 - Service Tool Harness Control
MEL1566 -Service Tool Harness Communicator (Computer Interface)

NOTE: Make all connections with the key in the OFF position.

The Service PC (Item 1) **[Figure 60-140-1]** with the remote start tool (Item 2) **[Figure 60-140-1]**. When connected to the loader, the Service PC is used to monitor, conduct diagnostic and load software.

Connect the Service Tool Harness Communicator (MEL1566) (Item 3) **[Figure 60-140-1]** to the designated serial port on the Service PC.

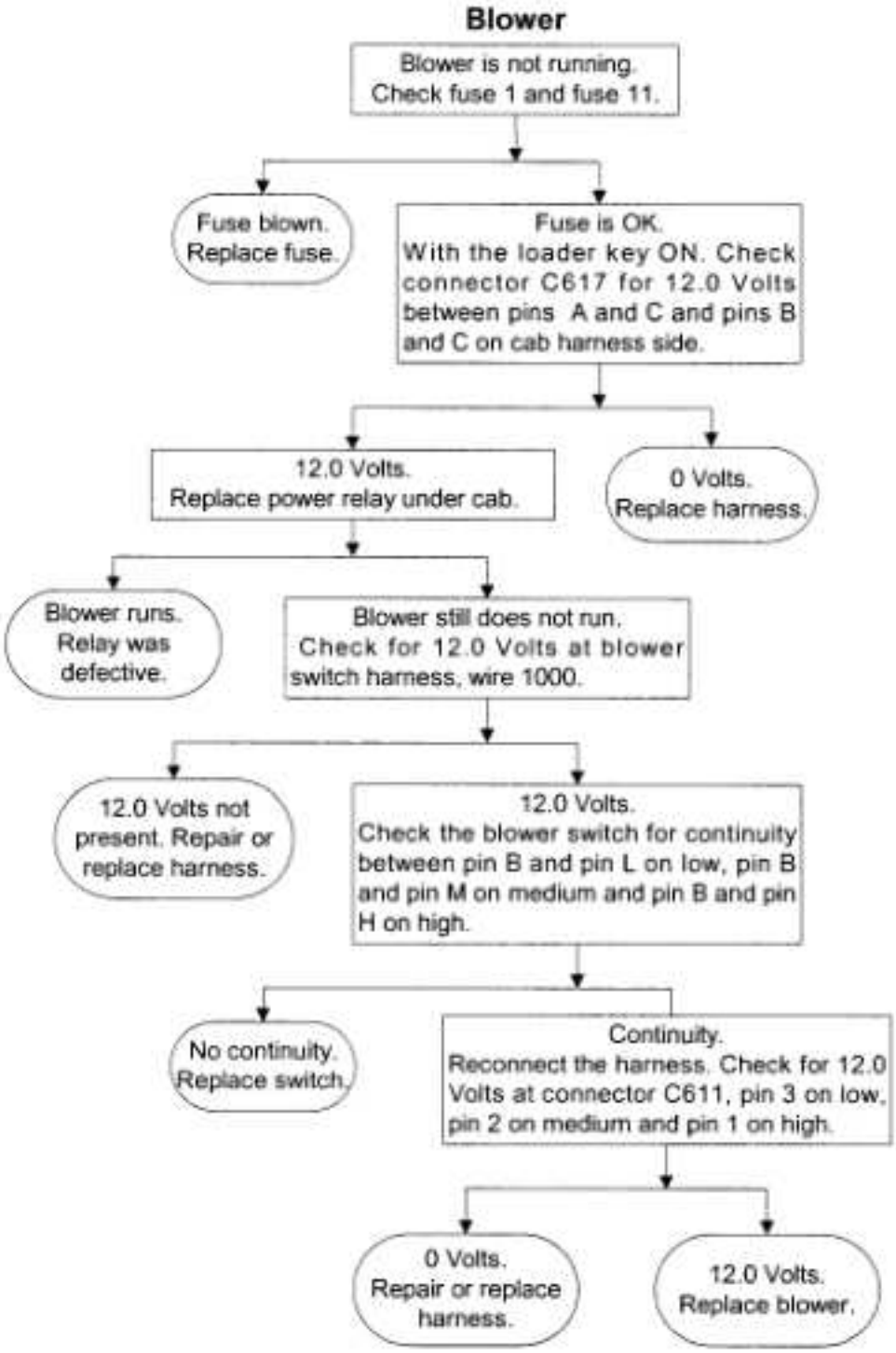
NOTE: The recommended serial cable length should not exceed 15 feet. A serial cable longer than 15 feet will create a degraded signal causing communication errors.

Connect the other end to the connector on the remote start tool.

Connect the remote start tool to the loader. (See REMOTE START on Page 10-60-1.)

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Troubleshooting Tree (Cont'd)



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UTILITY WORK MACHINE SPECIFICATIONS (CONT'D)

Hydraulic System

Pump Type	Engine driven, gear type
Pump Capacity - Standard	16.8 GPM (63,6 L/min.)
System Relief at Quick Couplers	3000 PSI (207 Bar)
Filter (Hydraulic)	Full flow replaceable, 10-micron synthetic media element with 46 psi internal cold-weathered bypass valve
Hydraulic Cylinders	Double-acting; tilt cylinders have cushioning feature on dump and rollback
Bore Diameter: Lift Cylinder Tilt Cylinder Cargo Box Cylinder (2)	2.5 inch (63,5 mm) 2.5 inch (63,5 mm) 2.0 inch (50,8 mm)
Rod Diameter: Lift Cylinder Tilt Cylinder Cargo Box Cylinder (2)	1.5 inch (38,1 mm) 1.5 inch (38,1mm) 1.00 inch (25,4 mm)
Stroke: Lift Cylinder Tilt Cylinder Cargo Box Cylinder (2)	24.62 inch (625,3 mm) 16.77 inch (425,9 mm) 10.89 inch (276,6 mm)
Control Valve	Pivot operated, open center, series type with float detent on lift.
Fluid Lines	SAE Standard tubelines, hoses and fittings
Fluid Type	Use Bobcat Hydraulic Fluid (P/N 6903117 - 2, 2-1/2 Gal.).

Electrical

Alternator	Belt driven, 90 amps, open
Battery	12 Volt, 600 cold cranking amps @ 0° F (-18° C), 115 minute reserve capacity
Starter	12 Volt, gear reduction type, 4.02 HP (2,99 kW)
Instrumentation	**Gauges:** Engine Coolant Temperature, Fuel meter. **LCD Display:** Diagnostic Codes, Hourmeter, Job Clock (resetable), Speedometer, Tachometer. **Warning lights (Red):** Fuel Level, General Warning, High Hyd. Temperature, Lift Arm and Tilt Transport Lock, Low Engine Oil Pressure, Low Battery Voltage, Parking Brake. **Indicator Lights (Amber):** Auxiliary Hyd. Enabled, Cruise Control Engaged reminder, Glow Plugs Activated, Return to Park reminder, Two-Speed engaged reminder, Work Mode indicator. **Buttons:** Auxiliary Hydraulics, Cruise Control, Display (speed, hours, RPM), Lift Arm and Tilt Transport Lock, Lights, Parking Brake, Work Mode.

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WIRING SCHEMATIC
5600 UTILITY WORK MACHINE
(S/N 520511459 AND ABOVE)
CAB HARNESS

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V-0277

CAB HARNESS
6815941

DISPLAY MODULE CONNECTORS J1-J6

CAB ACCESSORY HARNESS 6815940

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