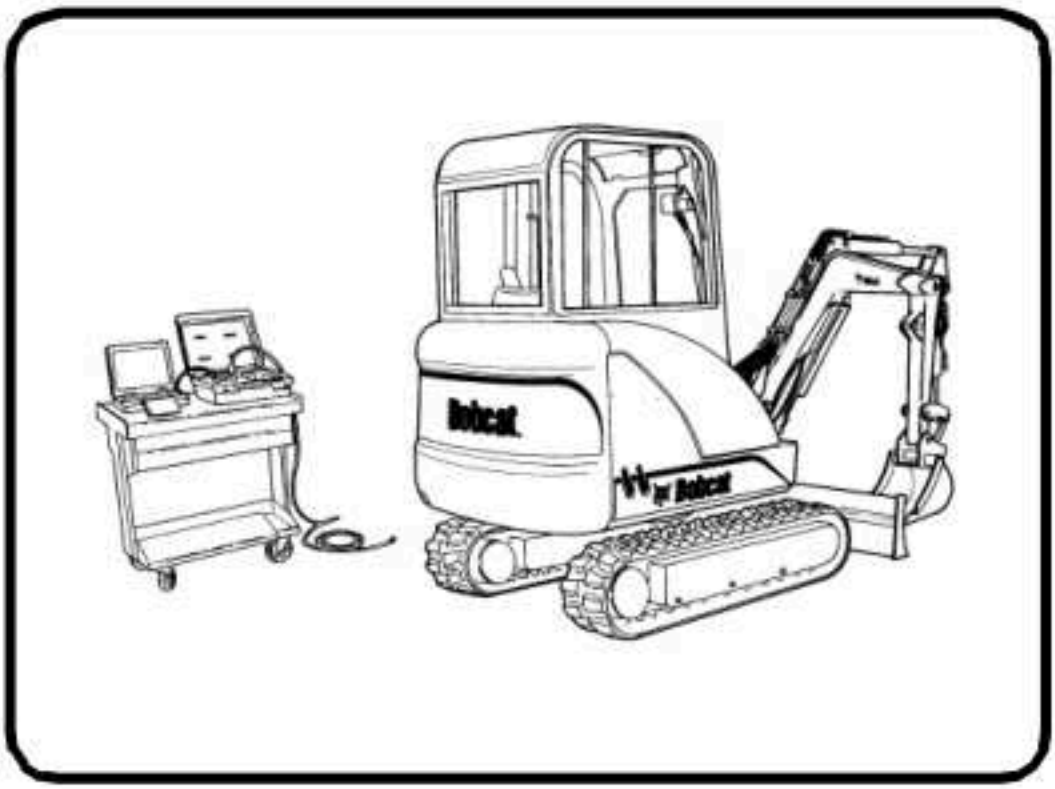
Bobcat®

Electrical System Service Manual

Excavator



6901183 (8-08)

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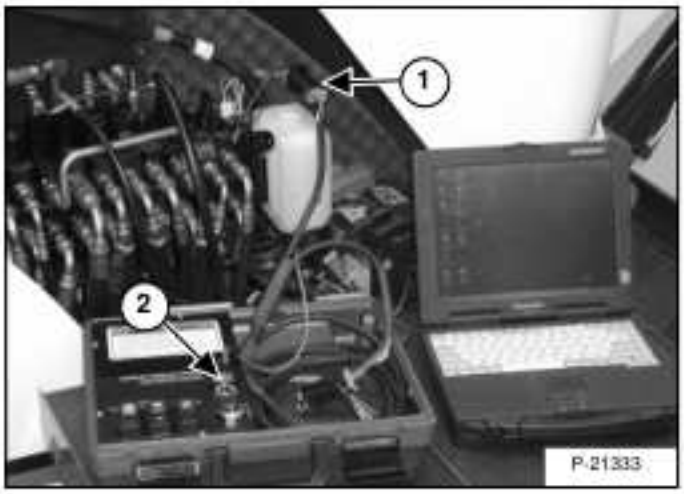
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Service Tool Harness Control - MEL1565 (Cont'd)

For 325/328, 329, 331/331E/334, 335, 425/428, excavators (Cont'd):

Figure 10-20-7



Connect the service tool harness control (MEL1565) to the excavator harness connector (Item 1) **[Figure 10-20-7]**.

Connect the service tool harness communicator (MEL1566) (Item 2) **[Figure 10-20-7]** to the designated serial port on the Service PC.

For 337/341 and 430/435 excavator:

Open the tailgate.

NOTE: Make all connections with the key in the OFF position or keyless panel is off.

Figure 10-20-8

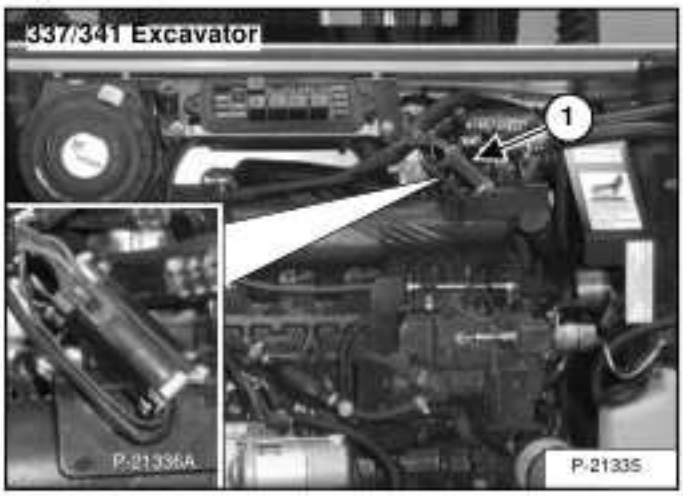
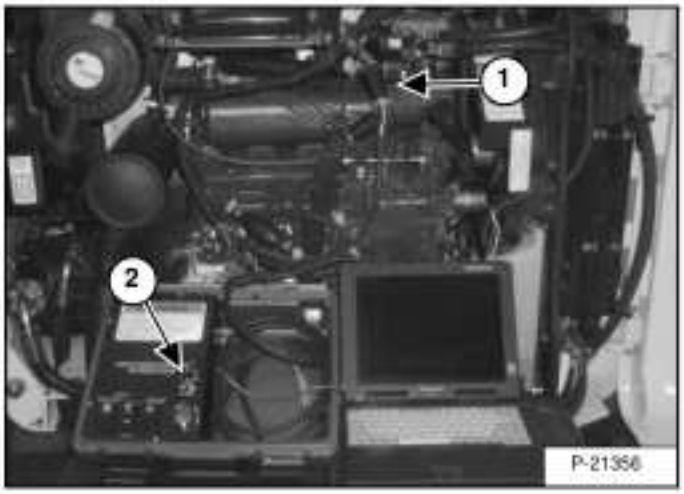


Figure 10-20-9



Remove the plug (Item 1) **[Figure 10-20-8]** and **[Figure 10-20-9]** from the excavator harness connector.

Figure 10-20-10



Connect the service tool harness control (MEL1565) to the excavator harness connector (Item 1) **[Figure 10-20-10]**.

Connect the service tool harness communicator (MEL1566) (Item 2) **[Figure 10-20-10]** to the designated serial port on the Service PC.

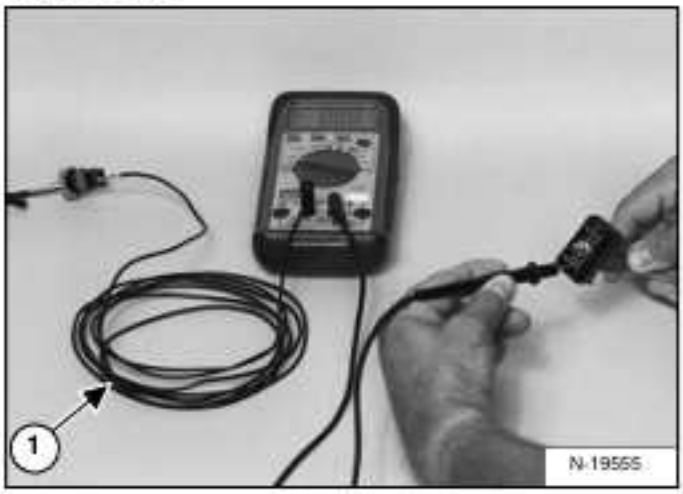
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ELECTRICAL HARNESS

Connector Maintenance

When using the service code troubleshooting procedure, reference is made to connectors **J1-J4**. Please refer to the connector layout diagram. (See Identification Chart on Page -1) that explains wire numbers and wire location on the connector plug.

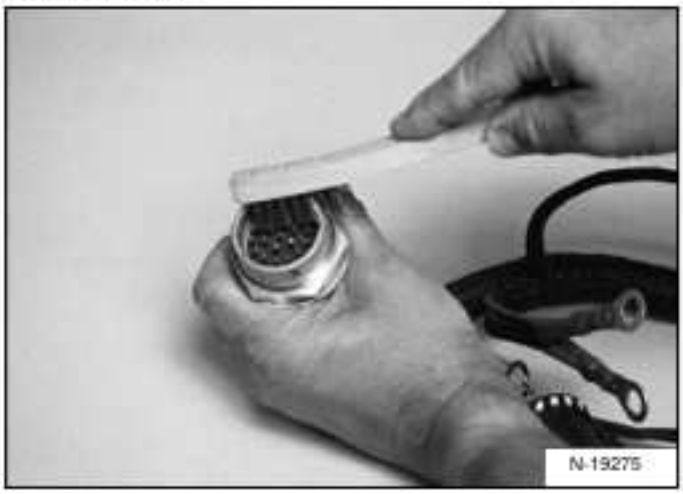
Figure 20-40-1



Bobcat extension lead (Item 1) **[Figure 20-40-1]** (MEL1568-3) is used when taking ohmmeter or continuity readings between sensors/senders and Bobcat controller connectors **[Figure 20-40-1]**. The small extension lead pin can be inserted into the sensor/sender connectors or into the Bobcat controller connectors, whichever is preferred.

NOTE: NEVER ATTEMPT TO INSERT PROBE OF TEST METER LEAD INTO THE PIN SOCKETS, RATHER TOUCH PROBE TO FACE OF PIN. DAMAGE TO THE SOCKET WILL RESULT AND MAY CAUSE INTERMITTENT OPEN CONNECTIONS AND OTHER ALARMS TO OCCUR.

Figure 20-40-2



When cleaning connectors that have corrosion or moisture problems, use a fast drying, ozone-safe contact cleaner. For best results, use a cleaning brush with stainless steel bristles to remove corrosion **[Figure 20-40-2]**.

Figure 20-40-3



Flush with contact cleaner until clean **[Figure 20-40-3]**. Make sure sockets are dry before re-assembly. Compressed air is acceptable drying if contact cleaner is not available.

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SAFETY INSTRUCTIONS

Safety Alert Symbol

This symbol with a warning statement means: "Warning, be alert! Your safety is involved!" Carefully read the message that follows.

WARNING

Instructions are necessary before operating or servicing machine. Read and understand the Operation & Maintenance Manual, Operator's Handbook and signs (decals) on machine. Follow warnings and instructions in the manuals when making repairs, adjustments or servicing. Check for correct function after adjustments, repairs or service. Untrained operators and failure to follow instructions can cause injury or death.

W-2003-0903

IMPORTANT

This notice identifies procedures which must be followed to avoid damage to the machine.

I-2019-0284

DANGER

The signal word DANGER on the machine and in the manuals indicates a hazardous situation which, if not avoided, will result in death or serious injury.

D-1002-1107

WARNING

The signal word WARNING on the machine and in the manuals indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

W-2044-1107

The following publications provide information on the safe use and maintenance of the Bobcat machine and attachments:

- The Delivery Report is used to assure that complete instructions have been given to the new owner and that the machine is in safe operating condition.
- The Operation & Maintenance Manual delivered with the machine or attachment contains operating information as well as routine maintenance and service procedures. It is a part of the machine and can be stored in a container provided on the machine. Replacement Operation & Maintenance Manuals can be ordered from your Bobcat dealer.
- Machine signs (decals) instruct on the safe operation and care of your Bobcat machine or attachment. The signs and their locations are shown in the Operation & Maintenance Manual. Replacement signs are available from your Bobcat dealer.
- An Operator's Handbook fastened to the operator cab. It's brief instructions are convenient to the operator. The handbook is available from your dealer in an English edition or one of many other languages. See your Bobcat dealer for more information on translated versions.
- The AEM Safety Manual delivered with the machine gives general safety information.
- The Service Manual and Parts Manual are available from your dealer for use by mechanics to do shop-type service and repair work.
- The Compact Excavator Operator Training Course is available through your local dealer or at **www.training.bobcat.com** or **www.bobcat.com**. This course is intended to provide rules and practices of correct operation of the Bobcat excavator. The course is available in English and Spanish versions.
- Service Safety Training Courses are available from your Bobcat dealer or at **www.training.bobcat.com** or **www.bobcat.com**. They provide information for safe and correct service procedures.
- The Bobcat compact excavator Safety Video is available from your Bobcat dealer or at **www.training.bobcat.com** or **www.bobcat.com**.

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