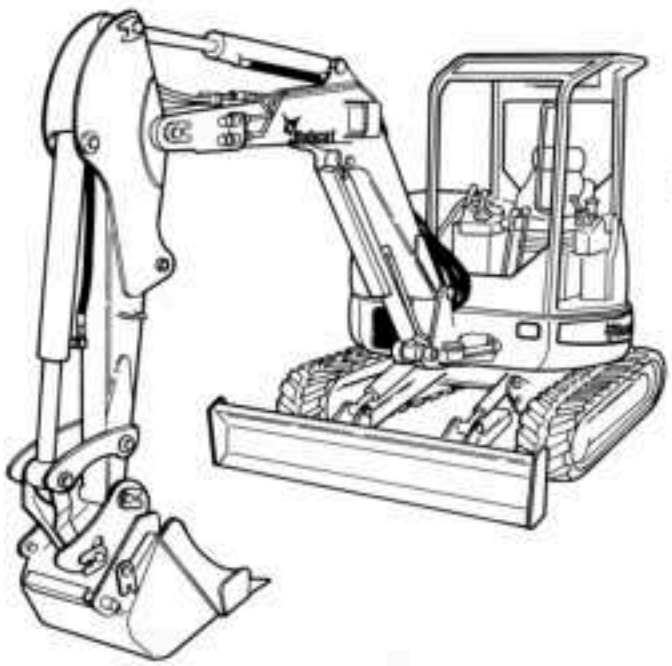
430

Bobcat®

Service Manual

S/N 562511001 & Above
S/N 562711001 & Above
S/N 562911001 & Above
S/N 563011001 & Above



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ENGINE

Removal And Installation

Disconnect the battery. (See Removing And Installing The Battery on Page 60-20-2.)

Remove the muffler. (See Removal And Installation on Page 70-20-1.)

Drain the hydraulic reservoir. (See Replacing The Hydraulic Oil on Page 10-100-2.)

Remove the hydraulic pump. (See HYDRAULIC PUMP (S/N 562511001 & ABOVE AND 562711001 & ABOVE) on Page 20-50-1.) OR (See HYDRAULIC PUMP (S/N 562911001 & ABOVE AND 563011001 & ABOVE) on Page 20-51-1.)

Remove the flywheel. (See ENGINE FLYWHEEL (EARLY MODELS) on Page 70-70-1.) OR (See ENGINE FLYWHEEL (LATER MODELS) on Page 70-71-1.)

Drain the radiator. (See Replacing The Coolant on Page 10-70-2.)

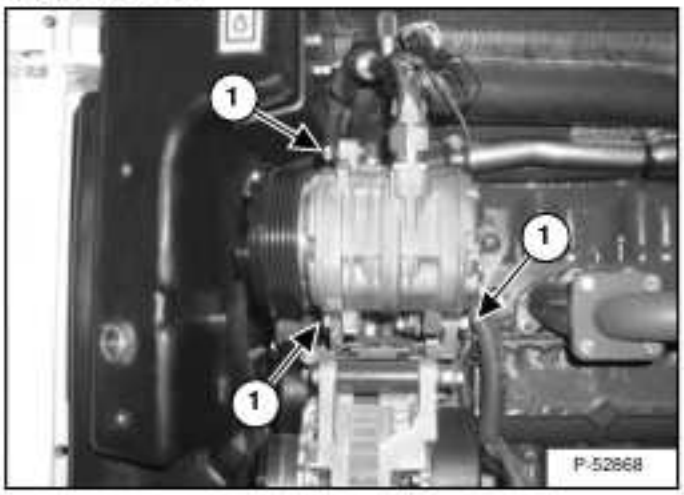
Remove the seat and seat mount. (See Removal And Installation on Page 50-40-1.)

Remove the starter. (See Removal And Installation on Page 60-40-1.)

Remove the air cleaner. (See Removal And Installation on Page 70-30-1.)

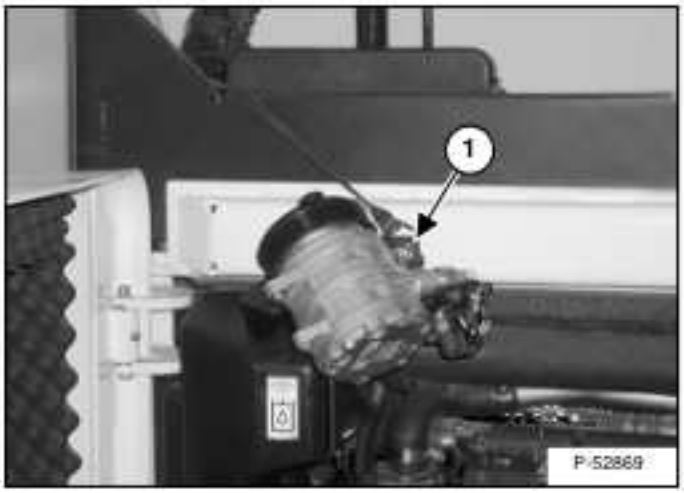
Remove the engine accessory drive belt. (See ENGINE ACCESSORY DRIVE BELT on Page 10-140-1.)

Figure 70-60-37



Remove the bolts (Item 1) **[Figure 70-60-37]** from the A/C compressor.

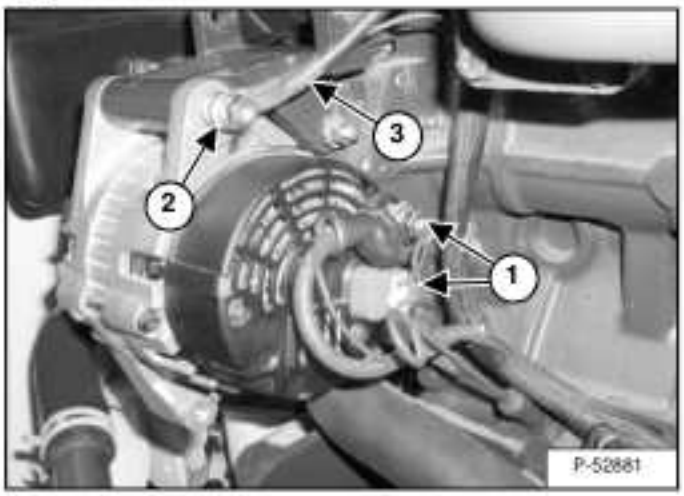
Figure 70-60-38



Suspend and support the compressor (Item 1) **[Figure 70-60-38]**.

NOTE: The A/C system does not need to be evacuated if the compressor hoses are not removed.

Figure 70-60-39



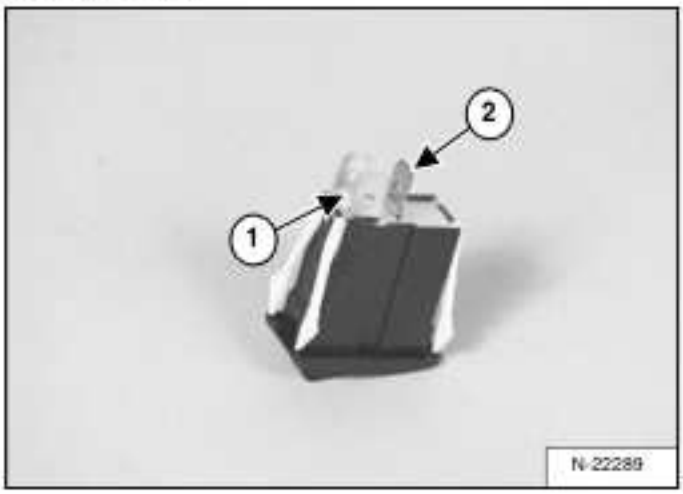
Disconnect the wire harness (Item 1) **[Figure 70-60-39]** from the alternator.

Remove the nut (Item 2) and ground cable (Item 3) **[Figure 70-60-39]**.

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Checking The Electrical System (Cont'd)

Figure 80-80-34



If there is voltage at the wiring harness, check the A/C switch **[Figure 80-80-34]** for resistance.

With the switch in the OFF position there should be no resistance between any of the three terminals on the A/C switch.

With the switch in the ON position there should be resistance between terminal (Item 1) and terminal (Item 2) **[Figure 80-80-34]**.

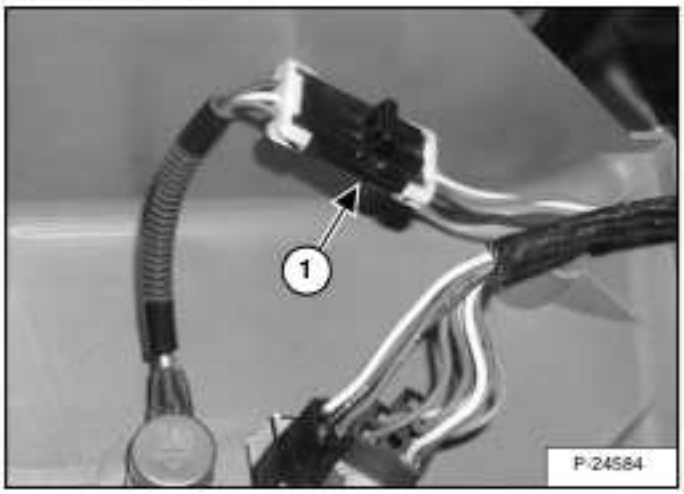
If no resistance value is found, replace the A/C switch.

If a resistance value is found, check the potentiometer.

The potentiometer will effect the A/C system and also effect the operation of the heater.

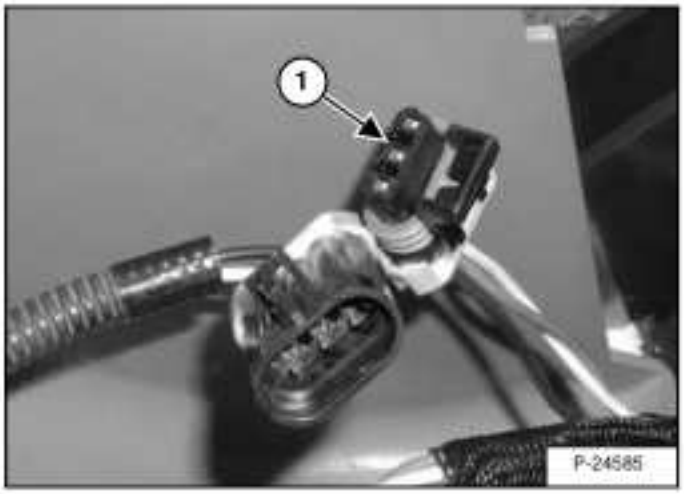
If heater valve does not open, or close, or the A/C does not work, check the potentiometer.

Figure 80-80-35



Disconnect the harness (Item 1) **[Figure 80-80-35]** from the potentiometer.

Figure 80-80-36



Check the harness (Item 1) **[Figure 80-80-36]** for voltage. Between pins **A** and **C** the voltage should be 12 volts.

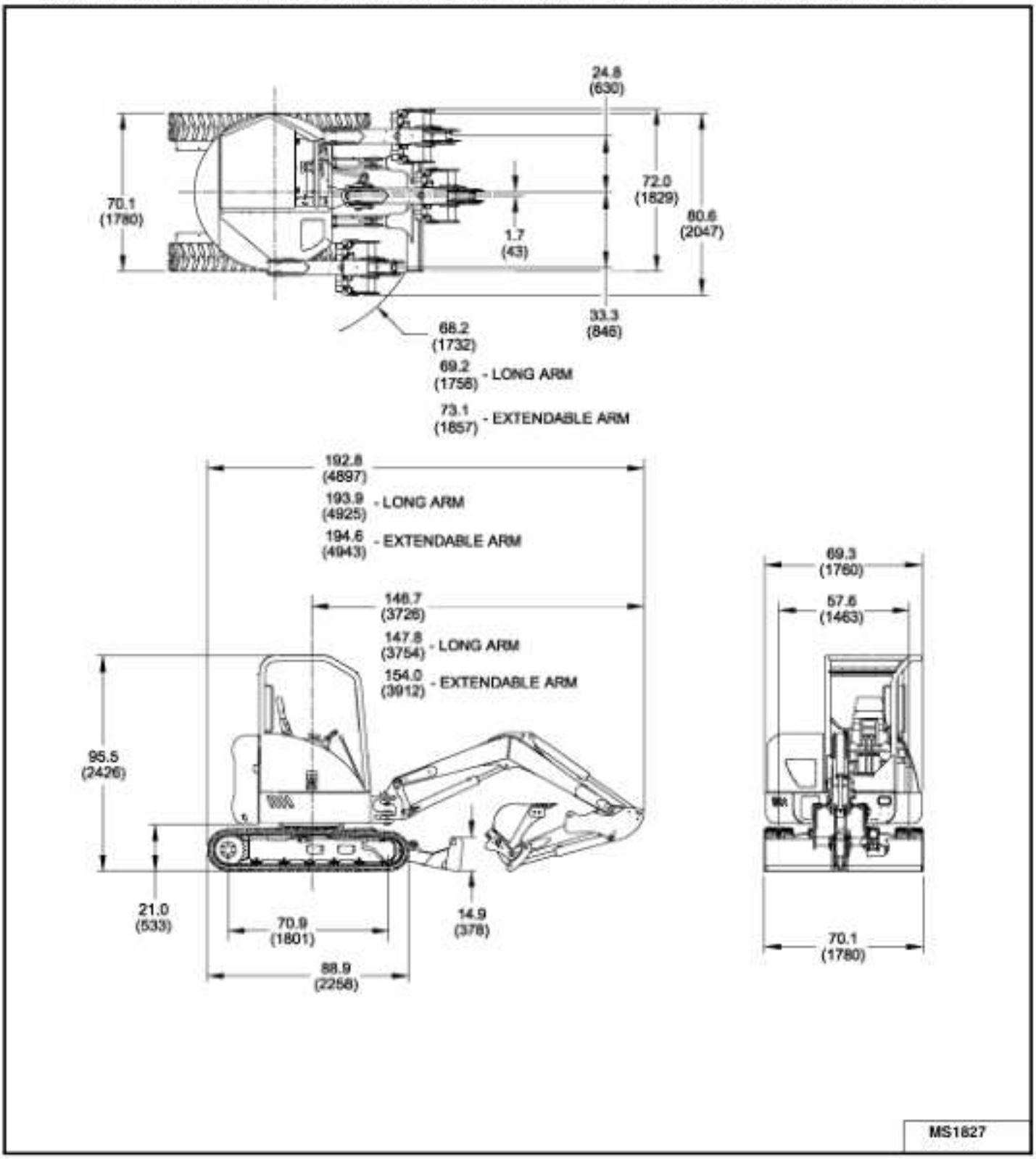
If there is no voltage at the wiring harness, check the harness for broken wires.

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430 W/Extendable Arm Excavator Machine
Dimensions

- All dimensions are shown in inches. Respective metric dimensions are given in millimeters enclosed by parentheses.
- Where applicable, specification conform to SAE or ISO standards and are subject to change without notice.



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WIRING SCHEMATIC

430 (S/N 562711711 AND ABOVE)
(S/N 562911001 AND ABOVE)
(S/N 563011001 AND ABOVE)

(PRINTED JULY 2007)
V-0628

CONTROL MODULE
CONNECTORS J1-J6

LH CONSOLE
HARNESS 7101609

RIGHT HAND CONSOLE
HARNESS 7105175

ENGINE HARNESS
6814829

V-0628 (6-28-07)

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