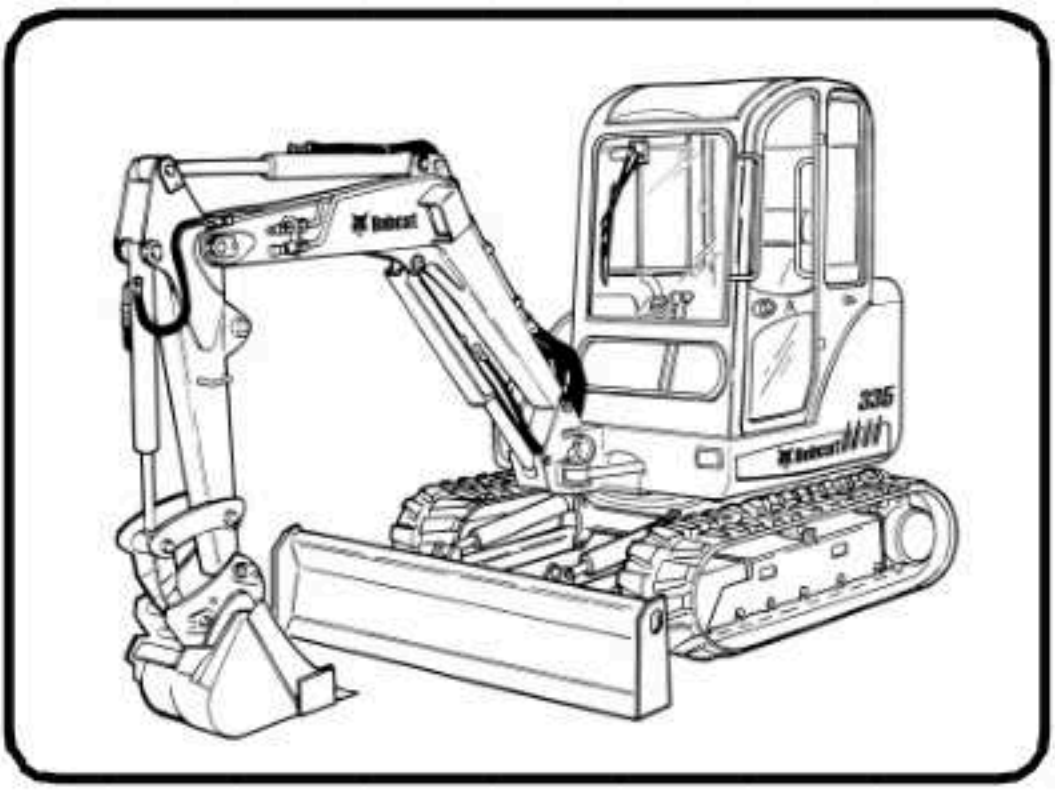
Bobcat®

Service Manual
335 Compact Excavator

S/N AAD111001 & Above
S/N A9KA11001 & Above



6986949 (5-10)

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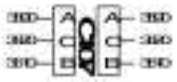
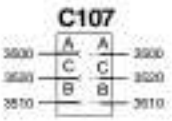
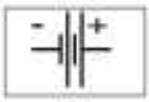
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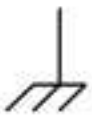
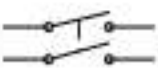
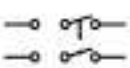
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Glossary Of Electrical Symbols

SYMBOL	DESCRIPTION
	CONNECTIONS
	CONNECTOR - Harness - Used for connecting 2 harnesses together or a harness to a component. The connector can vary from a single pin to any number of pins (Example: 3 pin connectors shown). The connector pins can be numbered alphabetical (shown) or numerical (1, 2, 3 etc.). The harness wires numbers are called out next to the connector (Example: 3500).
	The connector number is called out next to the connector (Example: C107). These connector numbers are used for schematic identification only and do not appear on the harness or connector.
	COMPONENTS
	BATTERY - Used for supplying and storing electrical power for the machine.
+	POSITIVE ELECTRICAL CIRCUIT - Indicates positive battery circuit.
-	NEGATIVE ELECTRICAL CIRCUIT - Indicates battery ground circuit.
G	ALTERNATOR - Used to create the electrical current to supply voltage to the battery and components.
	STARTER - Uses battery current to start the machine engine.
	GROUND - Used to represent an external ground connection.

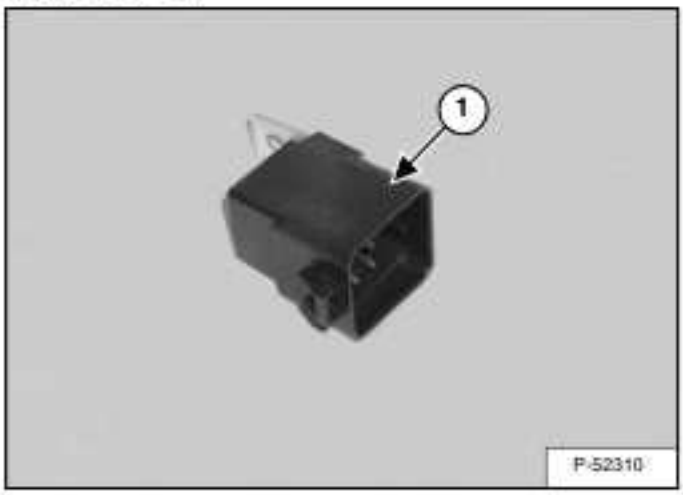
SYMBOL	DESCRIPTION
	COMPONENTS
	GROUND - Frame - Used to represent an component that is internally grounded.
	LIGHT -
	SWITCH - Single Pole - Single Throw (ON-OFF) Normally Open
	SWITCH - Single Pole - Single Throw (ON-OFF) Normally Closed.
	SWITCH - Single Pole - Double Throw (ON-OFF-ON) - This switch can be in any of three positions. (Some switches are spring activated to return them to a certain position when released.)
	SWITCH - Double Pole - Single Throw (ON-OFF) Open and Closed positions will be specified depending on switch application.)
	SWITCH - Double Pole - Double Throw (ON-OFF) Open and Closed positions will be specified depending on switch application.
	POTENTIOMETER - Variable resistance - Provides variable resistance.

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Electrical System (Cont'd)

Figure 70-80-11

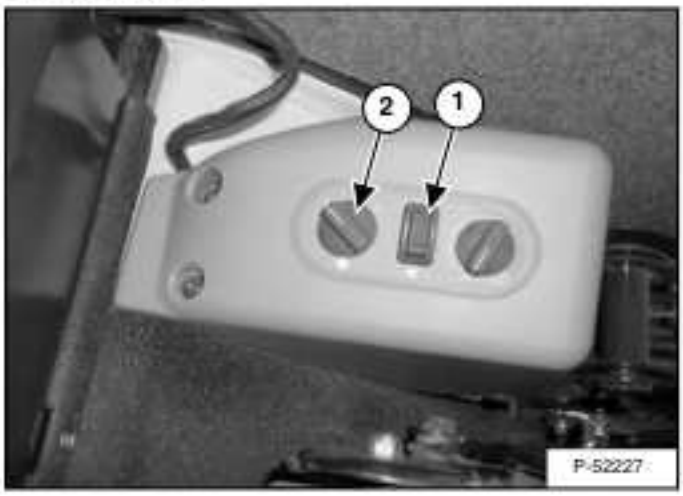


If the above voltages and continuity checks are OK, but the problem still persists, replace the A/C relay (Item 1) **[Figure 70-80-11]**.

Check to see if the compressor clutch is engaging.

With a person in the operator seat and the cab door open, turn the key switch to RUN (Standard panel) OR press the RUN/ENTER Button (Deluxe Panel), without starting the excavator.

Figure 70-80-12



Push the A/C switch (Item 1) to the ON position. Turn the blower fan switch (Item 2) **[Figure 70-80-12]** to the first ON position.

The compressor clutch should make a *click* sound, which indicates the clutch is engaging.

Figure 70-80-13



If the compressor clutch does not engage, check the fuses (Item 1) **[Figure 70-80-13]**.

Replace the fuse if burned out.

NOTE: The decal inside the fuse cover, refers to the fuses as HEATER and ALT/HEATER. These fuses control the power for both the Heater and the A/C systems.

Figure 70-80-14



If the fuses are good, disconnect the wire harness (Item 1) **[Figure 70-80-14]** from the compressor clutch wire.

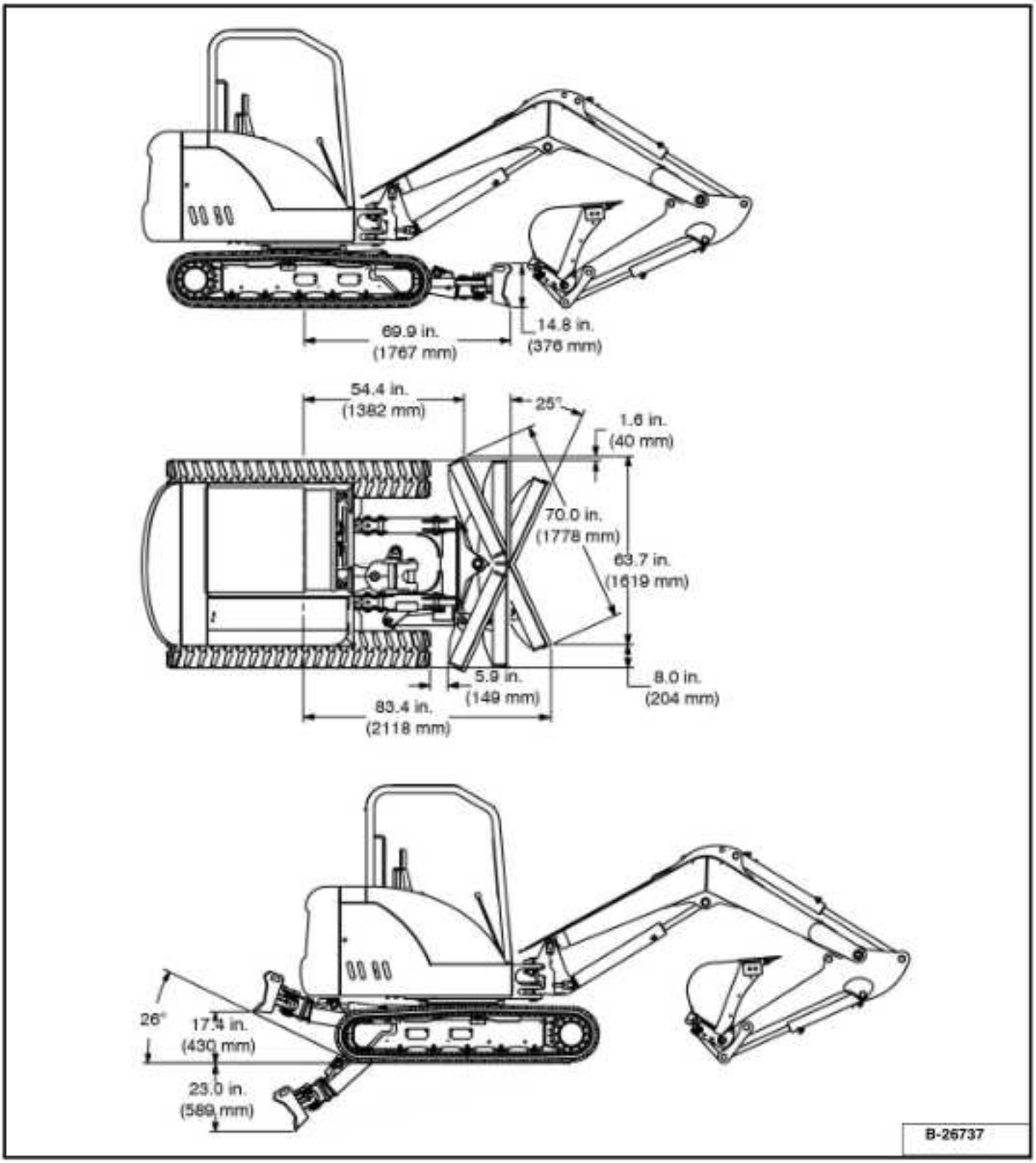
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335 EXCAVATOR SPECIFICATIONS (CONT'D)

Excavator With Optional Angle Blade Dimensions

For all dimension not shown below,

- 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.

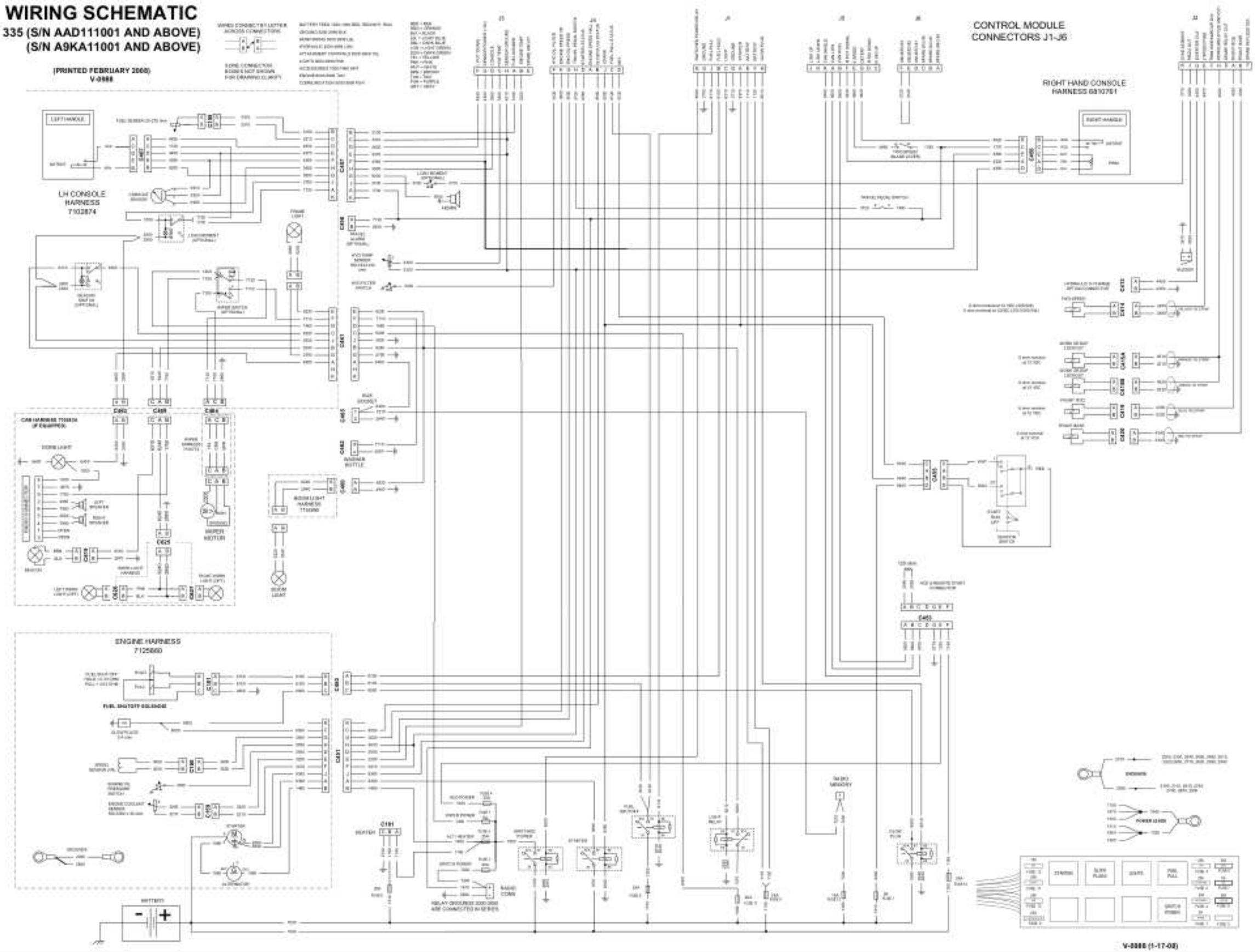


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WIRING SCHEMATIC

335 (S/N AAD111001 AND ABOVE)
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