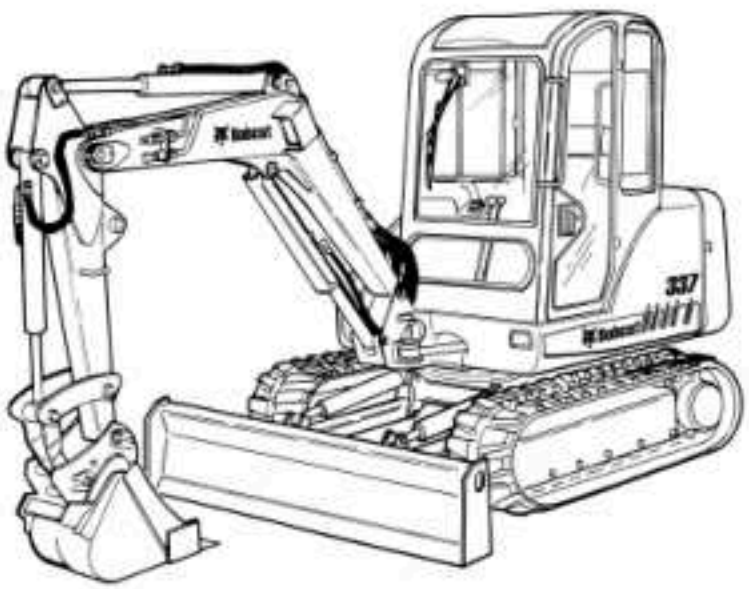
337
341

Bobcat®

Service Manual

337 - S/N 234611001 & Above
341 - S/N 234711001 & Above
(G Series)



6902741 (11-07)

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ALPHABETICAL INDEX

AIR CLEANER 10-01, 60-01
AIR CONDITIONING SERVICE 70-01
AIR CONDITIONING SYSTEM FLOW 70-01
ALTERNATOR 50-01
ARM 40-01
ARM CYLINDER 20-01

BASIC TROUBLESHOOTING 70-01
BATTERY 50-01
BLADE 30-01
BLADE CONTROL 40-01
BLADE CYLINDER 20-01
BOOM 40-01
BOOM CYLINDER 20-01
BOOM SWING CYLINDER 20-01
BOOM SWING LOCK VALVE 20-01
BUCKET 40-01
BUCKET CYLINDER 20-01
BUILD UP VALVE 20-01

CAB 40-01
CASE DRAIN FILTER MOUNT 20-01
CLAMP CYLINDER 20-01
COMPONENTS 70-01
COMPRESSOR 70-01
CONDENSOR 70-01
CONTROL LINKAGE ASSEMBLY 40-01
CONTROL PATTERN SELECTOR VALVE 20-01
CONVERSIONS SPEC-01
COOLING SYSTEM 10-01
CROSSPORT RELIEF VALVE 20-01

DELUXE INSTRUMENT PANEL SETUP 50-01
DIAGNOSTICS SERVICE CODE 50-01
DIRECT TO TANK VALVE 20-01
DUAL SEQUENCE VALVE 20-01

ELECTRICAL SYSTEM INFORMATION 50-01
ENGINE 60-01
ENGINE ACCESSORY DRIVE BELT 10-01
ENGINE COMPONENTS AND TESTING 60-01
ENGINE FLYWHEEL 60-01
ENGINE LUBRICATION SYSTEM 10-01
ENGINE SPECIFICATIONS SPEC-01
ENGINE SPEED CONTROL 40-01
EVAPORATOR 70-01
EVAPORATOR/HEATER UNIT 70-01
EXPANSION VALVE 70-01

FLOORMAT AND FLOOR PLATE 40-01
FUEL, COOLANT AND LUBRICANTS SPEC-01
FUEL LEVEL SENDER 50-01
FUEL SYSTEM 10-01
FUEL TANK 40-01

GENERAL AIR CONDITIONING SERVICE GUIDELINES 70-01

HEATER/AC FAN 70-01
HEATER AIR FILTER 10-01
HEATER COIL 70-01
HEATER VALVE 70-01
HORN 40-01
HYDRAULIC CONNECTION SPECIFICATIONS SPEC-01
HYDRAULIC CONTROL VALVE 20-01
HYDRAULIC FILTER MOUNT 20-01
HYDRAULIC FLUID SPECIFICATIONS SPEC-01
HYDRAULIC PUMP 20-01
HYDRAULIC PUMP START UP 20-01
HYDRAULIC RESERVOIR 20-01
HYDRAULIC SYSTEM 10-01
HYDRAULIC SYSTEM INFORMATION 20-01
HYDRAULIC X-CHANGE VALVE 20-01

LEFT CONSOLE 40-01
LEFT CONTROL LEVER (JOYSTICK) 20-01
LIFTING AND BLOCKING THE EXCAVATOR 10-01
LIFTING THE EXCAVATOR 10-01
LIGHTS 50-01
LUBRICATION OF THE EXCAVATOR 10-01

MAIN RELIEF VALVE 20-01
MANIFOLD ASSEMBLY/ACCUMULATOR 20-01
MUFFLER 60-01

OIL COOLER 20-01
OPERATOR CAB 10-01

PORT RELIEF VALVES 20-01
PRESSURE REDUCING VALVE 20-01
PRESSURE RELIEF VALVE 70-01
PRESSURE SWITCH 70-01

Continued On Next Page

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ALPHABETICAL INDEX (CONT'D)

RADIATOR....60-01
RECEIVER/DRYER....70-01
RECONDITIONING THE ENGINE....60-01
REGULAR MAINTENANCE....70-01
REMOVING AIR FROM HYDRAULIC SYSTEM....20-01
RIGHT CONSOLE....40-01
RIGHT CONTROL LEVER (JOYSTICK)....20-01
RIGHT PEDAL AND LINKAGE....40-01
RIGHT SIDE COVER....10-01
ROPS CANOPY....40-01

SAFETY....70-01
SEAT AND SEAT MOUNT....40-01
SEAT BELT....10-01
SERVICE SCHEDULE....10-01
SPARK ARRESTOR MUFFLER....10-01
SPECIFICATIONS....SPEC-01
STARTER....50-01
SWING CIRCLE GEAR....30-01
SWING FRAME....40-01
SWING MOTOR....20-01
SWING MOTOR DRIVE CARRIER....20-01
SWIVEL JOINT....20-01
SYSTEM CHARGING AND RECLAMATION....70-01
SYSTEM TROUBLESHOOTING CHART....70-01

TAILGATE....10-01, 40-01
TEMPERATURE/PRESSURE....70-01
THERMOSTAT....70-01
TORQUE SPECIFICATIONS....SPEC-01
TRACK DAMAGE IDENTIFICATION....30-01
TRACK FRAME....30-01
TRACK IDLER....30-01
TRACK ROLLER....30-01
TRACKS....30-01
TRANSPORTING THE EXCAVATOR....10-01
TRAVEL CONTROLS....40-01
TRAVEL CONTROL VALVE....20-01
TRAVEL MOTOR....10-01, 20-01
TROUBLESHOOTING....60-01
TWO SPEED SWITCH....50-01

UPPERSTRUCTURE....40-01

X-CHANGE....40-01
X-CHANGE (HYDRAULIC)....40-01

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CONTENTS

FOREWORD III

SAFETY INSTRUCTIONS V

SERIAL NUMBER LOCATIONS IX

DELIVERY REPORT X

BOBCAT EXCAVATOR IDENTIFICATION XI

SAFETY AND MAINTENANCE 10-01

HYDRAULIC SYSTEM 20-01

UNDERCARRIAGE 30-01

UPPERSTRUCTURE & SWING SECTION 40-01

ELECTRICAL SYSTEM AND ANALYSIS 50-01

ENGINE SERVICE 60-01

HEATING, VENTILATION, AIR CONDITIONING 70-01

SPECIFICATIONS SPEC-01

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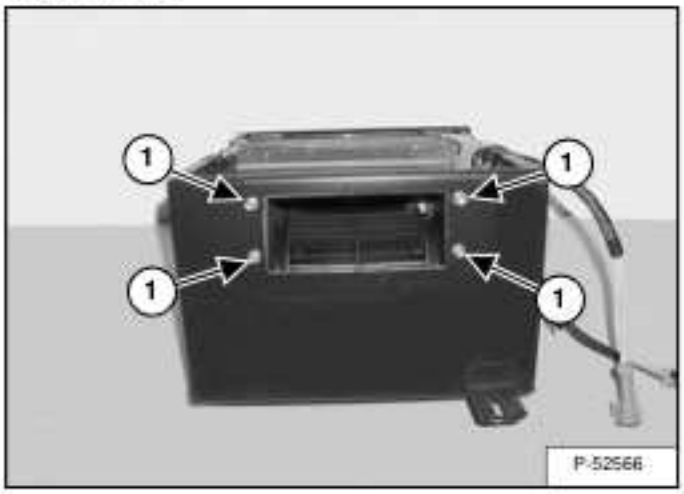
BLOWER FAN (EARLY MODELS)

Removal And Installation

Remove the heater/AC unit from the excavator. (See Removal And Installation on Page 70-190-1)

Remove the top cover from the heater/AC unit. (See Disassembly And Assembly on Page 70-190-3)

Figure 70-20-1



Remove the bolts (Item 1) **[Figure 70-20-1]**.

Figure 70-20-2



Remove the wire harness and grommet (Item 1) **[Figure 70-20-2]** from the housing.

Remove the fan assembly (Item 2) **[Figure 70-20-2]**.

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SYSTEM TROUBLESHOOTING CHART

Blower Motor Does Not Operate

	POSSIBLE CAUSE	INSPECTION	SOLUTION
1.	Blown Fuse.	Inspect the fuse/wiring.	Replace fuse/repair wiring.
2.	Broken wiring or bad connection.	Check the fan motor ground and connectors.	Repair the wiring or connector.
3.	Fan motor malfunction.	Check the lead wires from the motor with a circuit tester.	Replace Motor.
4.	Resistor malfunction.	Check resistor using a circuit tester.	Replace Resistor.
5.	Fan motor switch malfunction.	Check power into and out of the fan switch.	Replace Fan Switch.

Blower motor operates normally, but air flow is insufficient

	POSSIBLE CAUSE	INSPECTION	SOLUTION
1.	Evaporator inlet obstruction	Check evaporator for plugging.	Remove obstruction and clean evaporator fins with air or water.
2.	Air leak.	Check to make sure air hoses are properly hooked to Louvers, and air ducts.	Repair of adjust.
3.	Defective thermo. switch (frozen evaporator).	Check thermostat using a circuit tester.	Replace thermostat.

Insufficient cooling although air flow and compressor operation are normal

	POSSIBLE CAUSE	INSPECTION	SOLUTION
1.	System low on refrigerant.	The high side pressure will be low and bubbles may be present in sight glass on receive drier.	Repair any leaks and recharge the refrigerant to the correct level.
2.	Excessive refrigerant.	The high pressure side pressure will be high.	Use refrigerant recovery equipment to capture excess refrigerant. Charge to the correct refrigerant level.

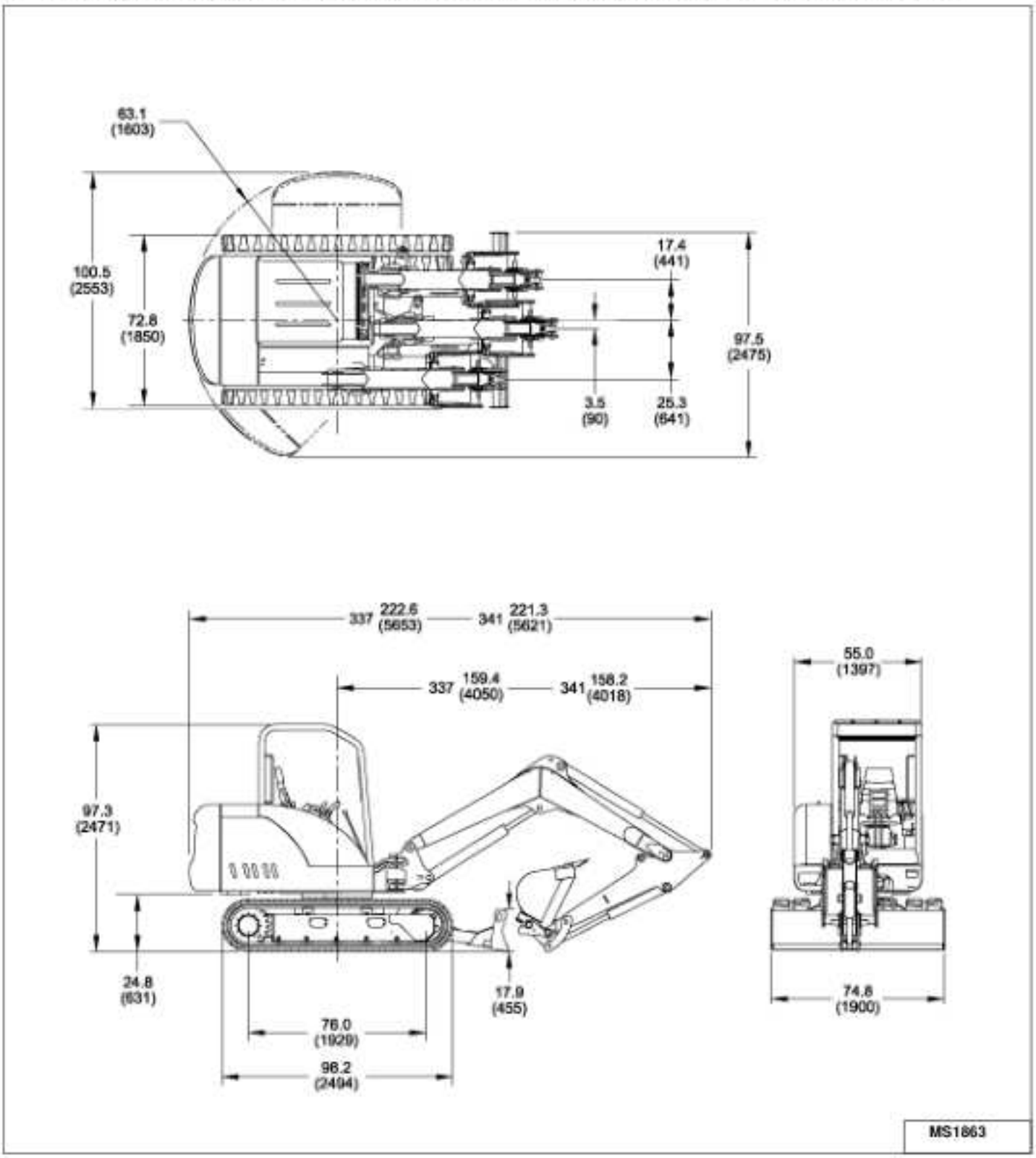
The compressor does not operate at all, or operates improperly

	POSSIBLE CAUSE	INSPECTION	SOLUTION
1.	Loose drive belt.	The belt is vibrating or oscillating.	Adjust tension.
2.	Internal compressor malfunction.	The compressor is locked up and the belt slips.	Replace compressor.
		Magnetic clutch related	
3.	Low battery voltage.	Clutch slips.	Recharge the battery.
4.	Faulty coil.	Clutch slips.	Replace the magnetic clutch.
5.	Oil on the clutch surface.	Clutch slips.	Replace or clean the clutch surface.
6.	Open oil.	Clutch does not engage and there is not reading when a circuit tester is connected between the coil and terminals.	Replace clutch.
7.	Broken wiring or poor ground.	Clutch will not engage. Inspect the ground and connections.	Repair.
8.	Wiring harness components.	Test the conductance of the pressure switch, thermostat, Relay, etc.	Check operation.

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Excavator Machine Dimensions (S/N 234611001 - 234611163 And 234711001 - 234711197)

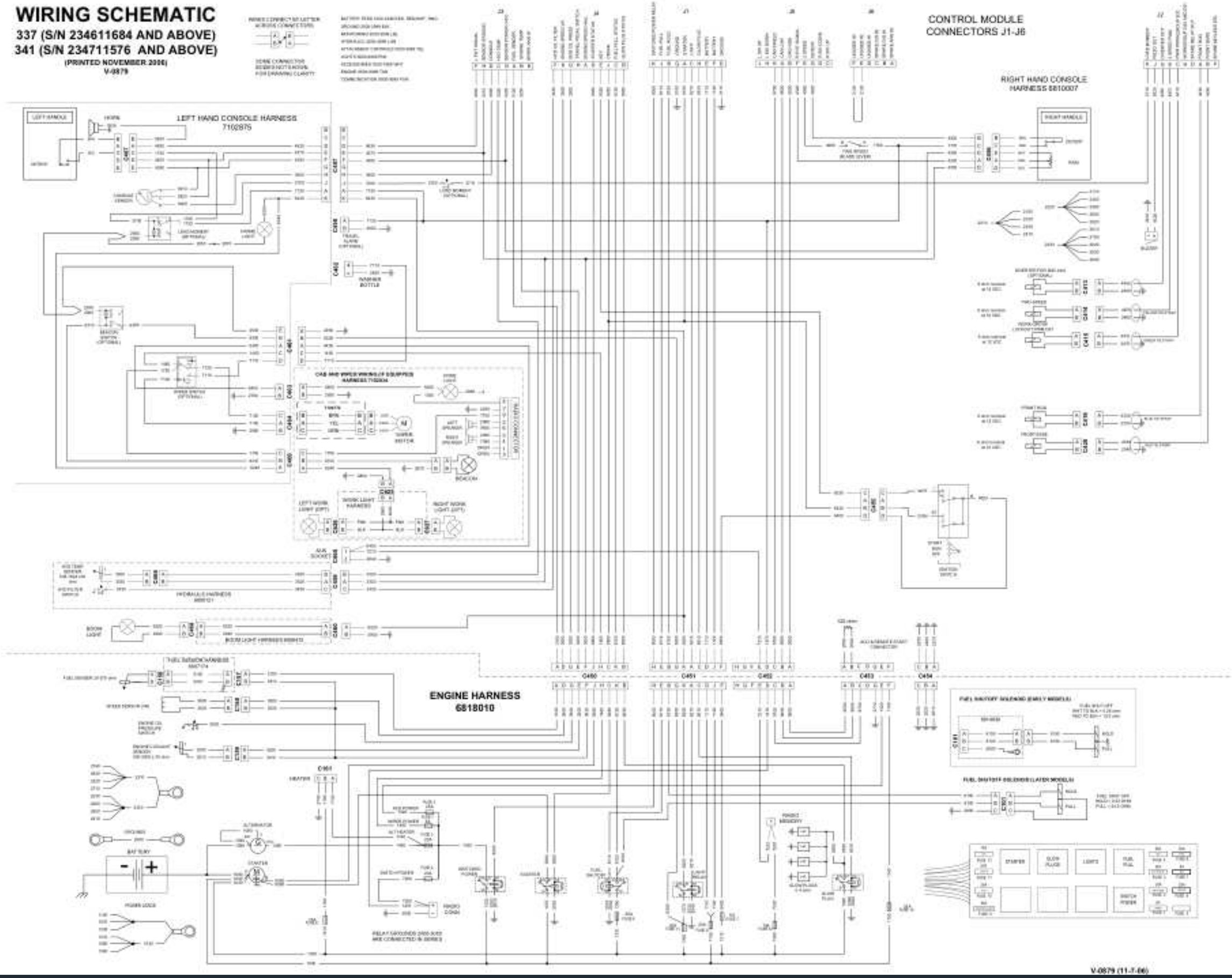
- All dimensions are shown in inches. Respective metric dimensions are given in millimeters enclosed by parentheses.
- Where applicable, specification conform to SAE or ISO standards and are subject to change without notice.



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WIRING SCHEMATIC

337 (S/N 234611684 AND ABOVE)
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