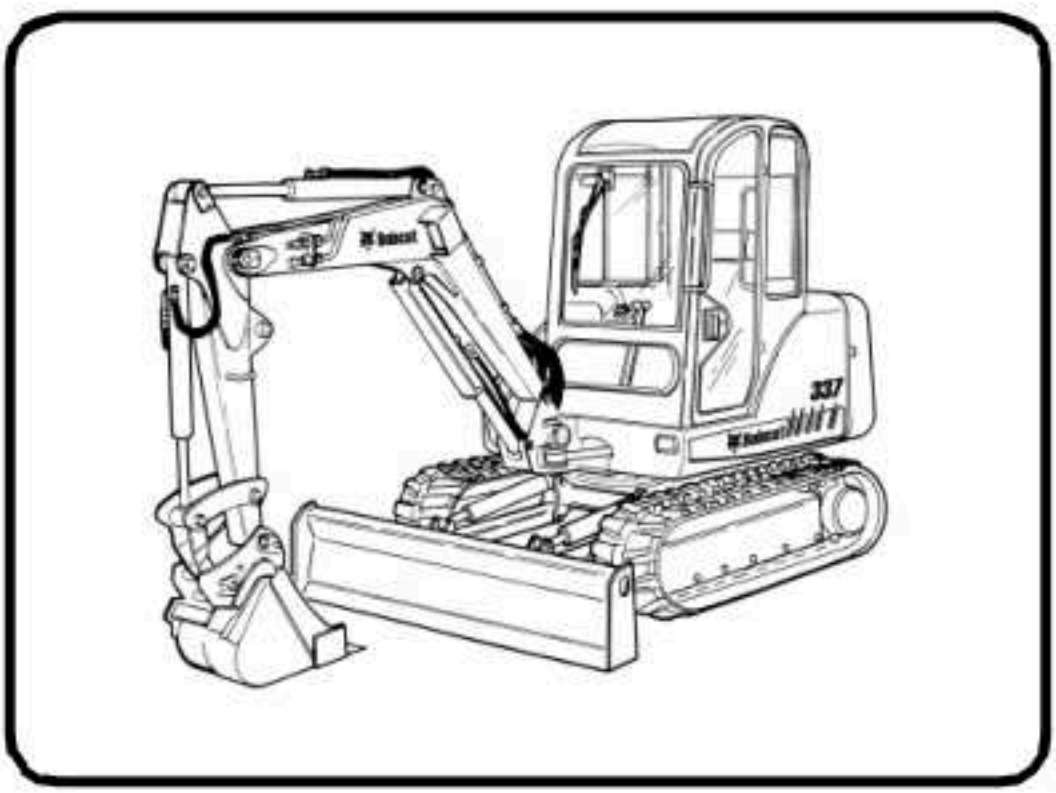
Bobcat®

Service Manual

337, 341 Compact Excavator

337 - S/N AAC811001 & Above
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341 - S/N A9W911001 & Above



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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
ANGLE BLADE 40-01
ANGLE BLADE ASSEMBLY 40-01
ANGLE BLADE CUTTING EDGE 40-01
ANGLE BLADE CYLINDER 20-01
ANGLE BLADE VALVE 20-01
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 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

MidWestTech | Bobcat 337, 341 Compact Excavator Service Manual | Publication 6986746... Order the manual at mid-west-tech.com >

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

MidWestTech | Bobcat 337, 341 Compact Excavator Service Manual | Publication 6986746... Order the manual at mid-west-tech.com >

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

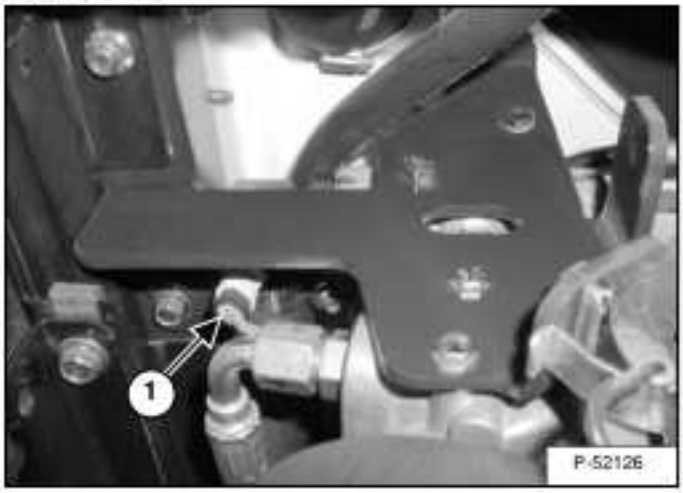
HEATING, VENTILATION, AIR CONDITIONING 70-01

SPECIFICATIONS SPEC-01

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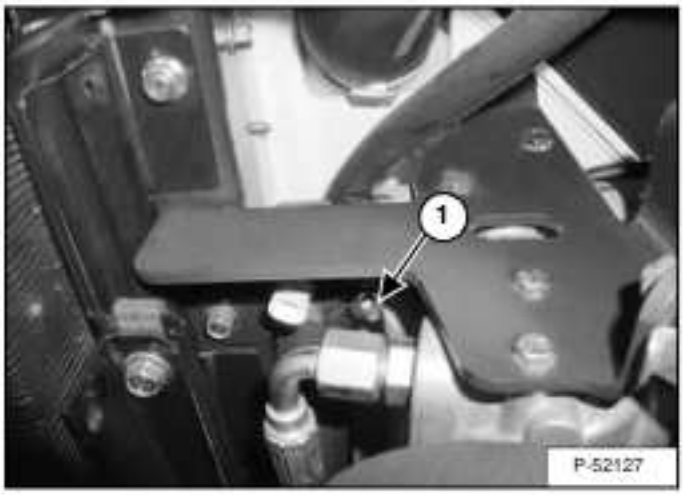
Removal And Installation (Cont'd)

Figure 20-120-5



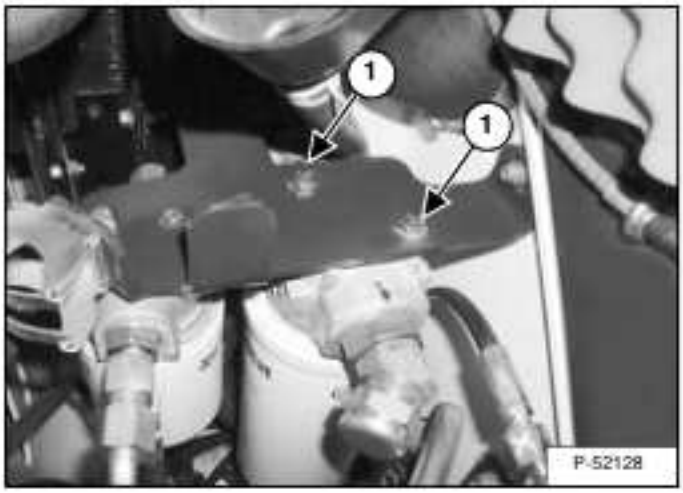
Disconnect the wire harness (Item 1) **[Figure 20-120-5]**.

Figure 20-120-6



Loosen the clamp and remove the hose (Item 1) **[Figure 20-120-6]**.

Figure 20-120-7



Remove the two bolts (Item 1) **[Figure 20-120-7]**.

Remove the filter housing and hydraulic filter from the excavator.

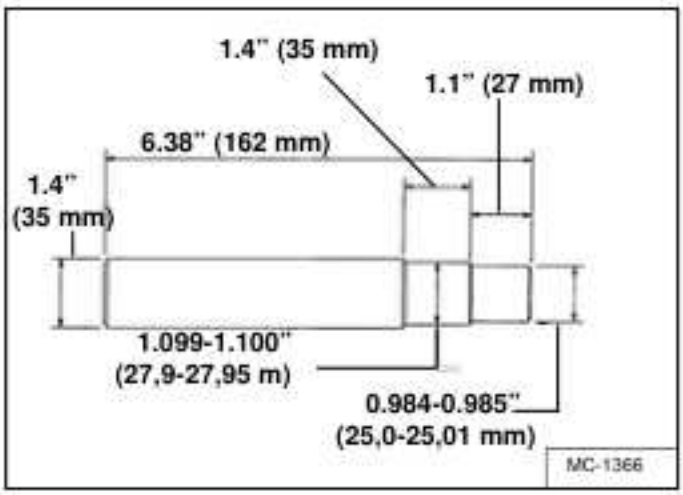
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Piston And Connecting Rod Servicing (Cont'd)

Calculate the oil clearance. If the clearance exceeds the allowable limit, replace the bushing. If it still exceeds the specifications, replace the piston pin.

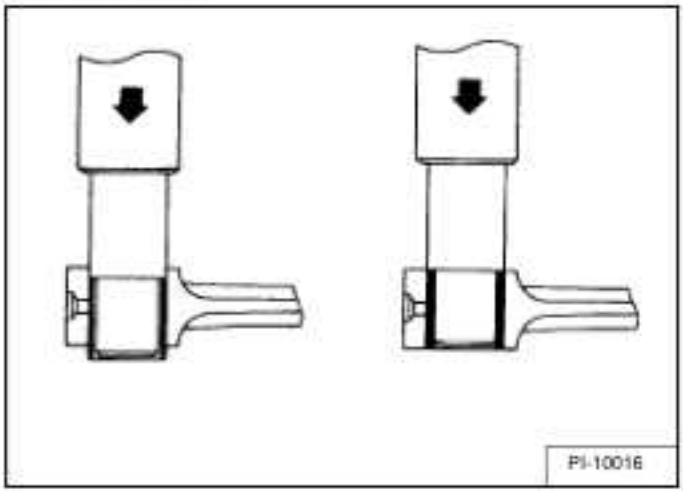
Piston Pin O.D.	0.984 - 0.985 in. (25,0 - 25,011 mm)
Bushing I.D.	0.985 - 0.986 in. (25,025 - 25,04 mm)
Oil Clearance Between Piston Pin & Bushing	0.0006 - 0.0014 in. (0,014 - 0,036 mm)
Allowable Limit	0.0059 in. (0,15 mm)

Figure 60-80-69



To replace the connecting rod small end bushing, make a driver tool as shown **[Figure 60-80-69]**.

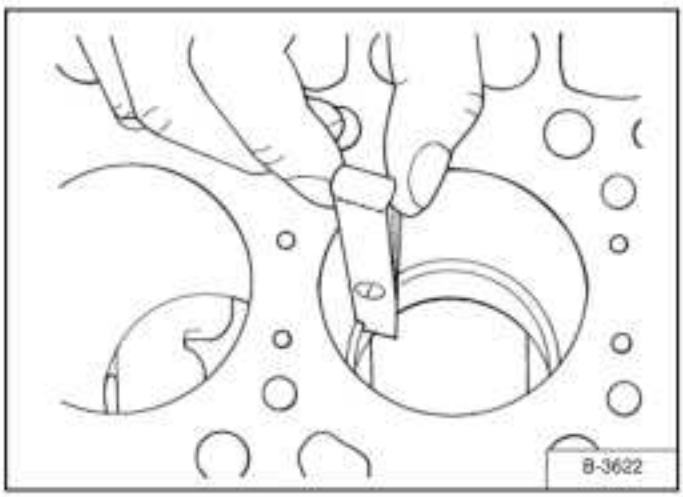
Figure 60-80-70



Use a press and special driver tool to remove the small end bushing **[Figure 60-80-70]**.

Installation: Clean the small end bushing and bore. Put oil on the bushing and press into the connecting rod until it is flush **[Figure 60-80-70]**.

Figure 60-80-71



Install a piston ring into the lower part of the cylinder bore. Measure the ring gap with a feeler gauge **[Figure 60-80-71]**.

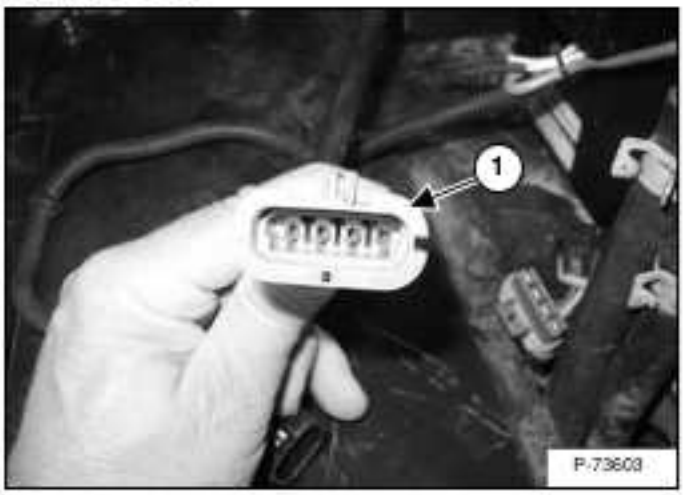
If the gap exceeds the allowable limit, replace the ring.

Compression Ring Gap	0.012 - 0.017 in. (0,3 - 0,5 mm)
Oil Ring Gap	0.0099 - 0.0177 in. (0,25 - 0,45 mm)
Allowable Limit	0.0492 in. (1.25 mm)

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Checking The Electrical System (Cont'd)

Figure 70-80-28



If there is voltage at the wiring harness, check the resistance to the blower fan at the thermostat/blower fan wiring connector (Item 1) **[Figure 70-80-28]**.

Check the resistance between Pin 4 (BLACK wire # 2200) and Pin 3 (YELLOW wire # 5000).

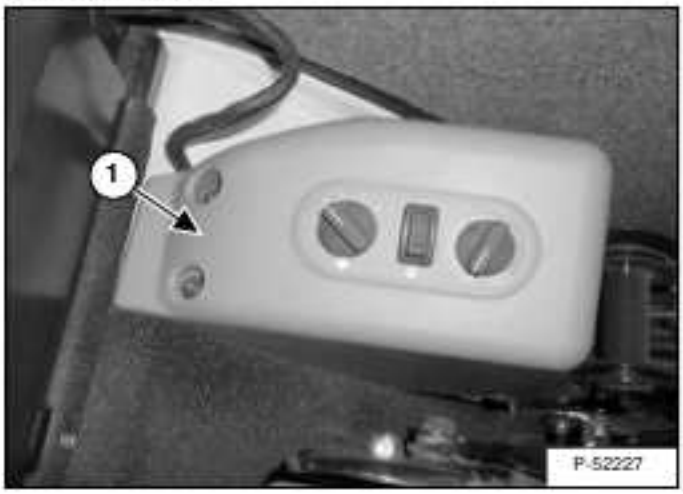
Check the resistance between Pin 4 (BLACK wire # 2200) and Pin 2 (RED wire # 1200).

Check the resistance between Pin 4 (BLACK wire # 2200) and Pin 1 (ORANGE wire # 1010).

If there is no resistance value at any of these pins, replace the blower fan. (See Removal And Installation on Page 70-20-1.)

If there is resistance value at any of the pins, check the climate controls at the control panel inside the excavator cab.

Figure 70-80-29



Remove the upper left upper console (Item 1) **[Figure 70-80-29]**. (See Upper Console Cover Removal And Installation on Page 40-60-2.)

Figure 70-80-30



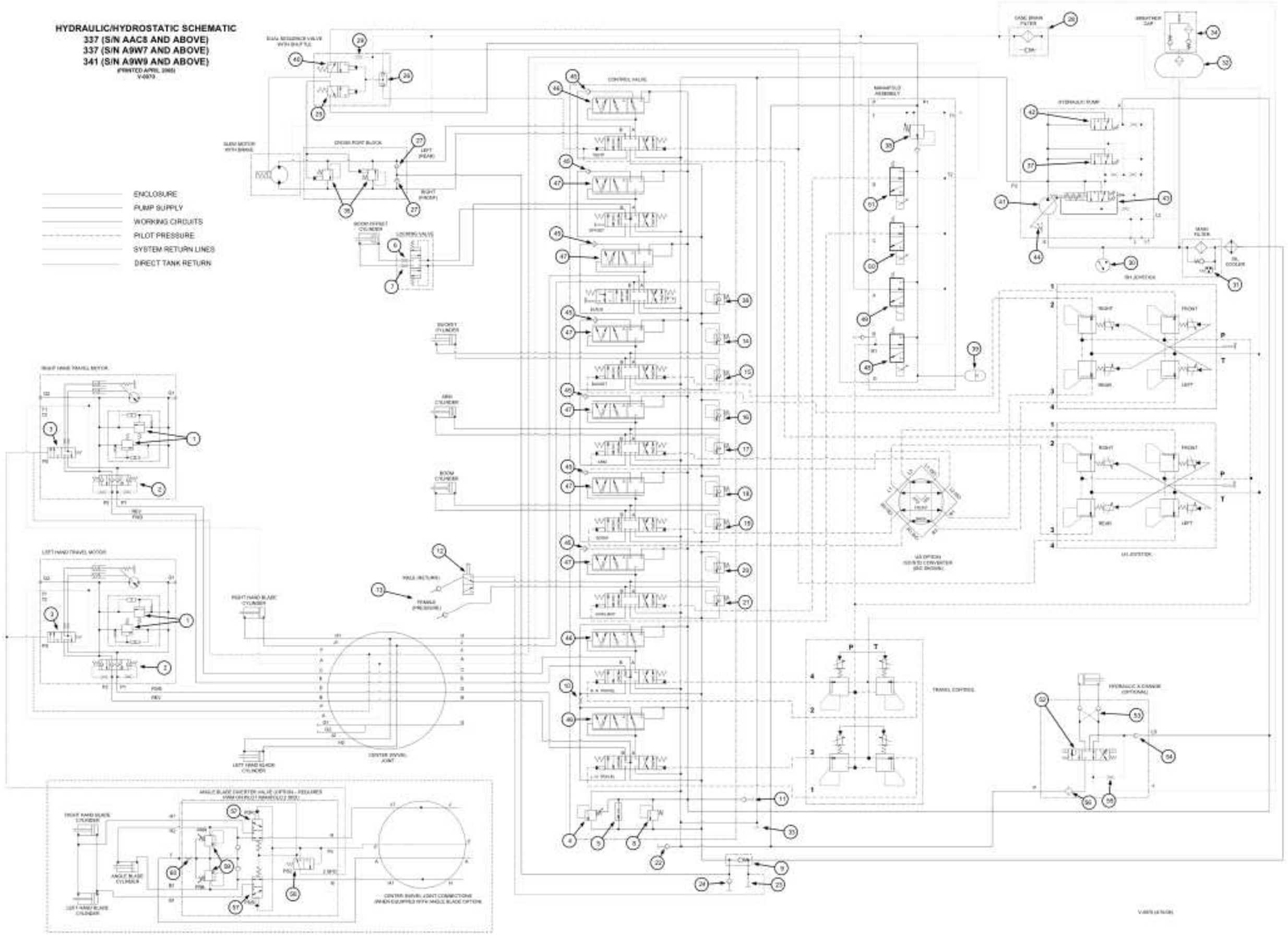
Position the console and wiring harness in the cab so the wiring harness can be checked **[Figure 70-80-30]**.

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HYDRAULIC/HYDROSTATIC SCHEMATIC
337 (S/N AAC8 AND ABOVE)
337 (S/N A9W7 AND ABOVE)
341 (S/N A9W9 AND ABOVE)

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ENCLOSURE
PUMP SUPPLY
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