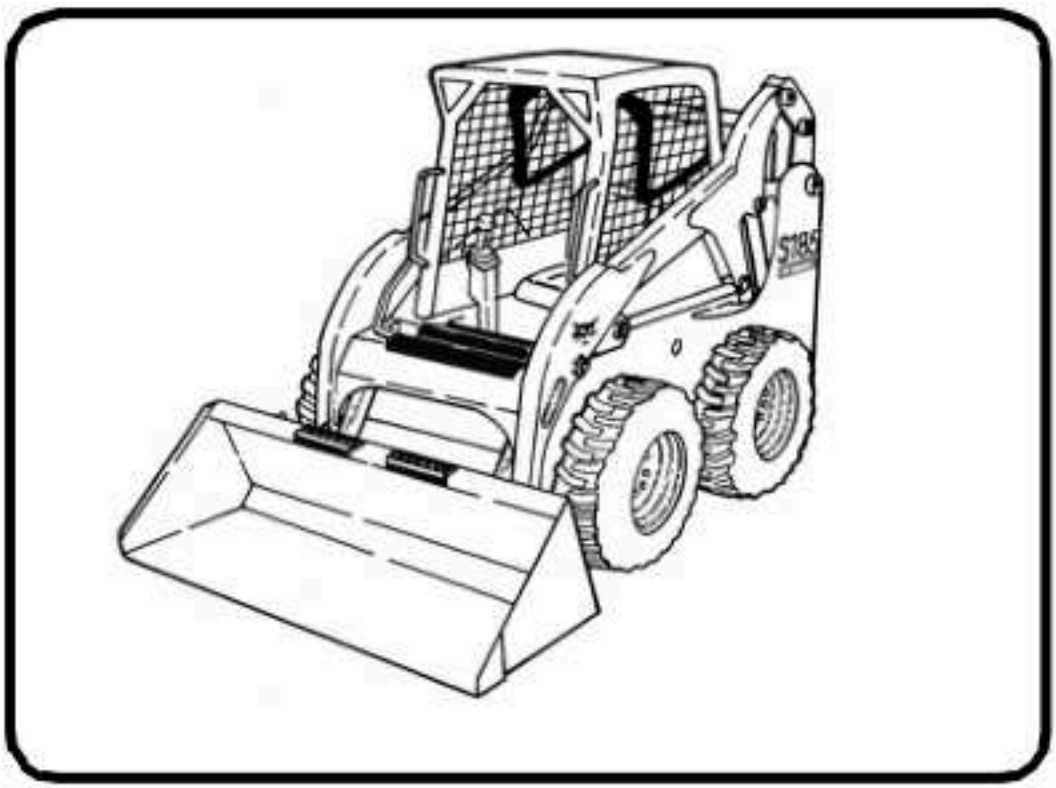
Bobcat®

Service Manual
S185 Skid-Steer Loader

S/N A3L911001 & Above
S/N A3LH11001 & Above



EQUIPPED WITH
BOBCAT INTERLOCK
CONTROL SYSTEM (BICS™)

6987049 (8-08)

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ALPHABETICAL INDEX

ACCESS PANEL (INSIDE) 50-01
ACCESS PANEL (INSIDE) (SJC) 50-01
AIR CLEANER 70-01
AIR CLEANER SERVICE 10-01
AIR CONDITIONING SYSTEM FLOW 80-01
ALTERNATOR 60-01

BATTERY 60-01
BLOWER FAN 80-01
BOBCAT INTERLOCK CONTROL SYSTEM (BICS) 60-01
BOBCAT CONTROLLER 60-01
BOB-TACH (HAND LEVER) 10-01, 50-01
BOB-TACH (POWER) 50-01
BRAKE (SINGLE SPEED) 40-01
BRAKE (TWO-SPEED) 40-01
BUCKET POSITION VALVE 20-01

CALIBRATION 60-01
CAMSHAFT AND TIMING GEARS 70-01
CASE DRAIN FILTER 30-01
CHAINCASE 40-01
CHARGE PRESSURE 30-01
COMPRESSOR 80-01
CONDENSER 80-01
CONTROL HANDLE/LEVER 50-01
CONTROL HANDLE/LEVER (ACS) 50-01
CONTROL HANDLE/LEVER (SJC) 50-01
CONTROL PANEL 50-01
CONTROL PANEL (SJC) 50-01
CONTROL PEDALS AND LINKAGE 50-01
CONTROL PEDALS (ACS) 50-01
CONTROL SYSTEM (ACS) 60-01
CONVERSIONS SPEC-01
CRANKSHAFT AND PISTONS 70-01
CYLINDER (LIFT) 20-01
CYLINDER (BOB-TACH) 20-01
CYLINDER (TILT) 20-01
CYLINDER HEAD 70-01

DIAGNOSTICS SERVICE CODES 60-01
DRIVE BELT 30-01
DRIVE COMPONENTS 40-01

ELECTRICAL SYSTEM INFORMATION 60-01
ELECTRICAL/HYRAULIC CONTROLS 60-01
ELECTRICAL/HYRAULIC CONTROLS (SJC) 60-01
ENGINE COOLING SYSTEM 10-01, 70-01
ENGINE INFORMATION 70-01
ENGINE LUBRICATION SYSTEM 10-01
ENGINE SPEED CONTROL 70-01
ENGINE SPEED CONTROL (SJC) 70-01
EVAPORATOR COIL 80-01
EVAPORATOR/HEATER UNIT 80-01
EXHAUST GAS RECIRCULATION (EGR) SYSTEM 70-01

EXPANSION VALVE 80-01

FINAL DRIVE TRANSMISSION (CHAINCASE) 10-01
FLYWHEEL AND HOUSING 70-01
FLYWHEEL RPM SENSOR 60-01
FRONT AUXILIARY HYD. COUPLER BLOCK 20-01
FUEL SYSTEM 10-01, 70-01
FUEL TANK 50-01

HEATER COIL 80-01
HEATER VALVE 80-01
HIGH FLOW VALVE 20-01
HYDRAULIC CONNECTION SPECS. SPEC-01
HYDRAULIC CONTROL VALVE 20-01
HYD./HYDRO FLUID SPECIFICATIONS SPEC-01
HYDRAULIC FLUID RESERVOIR 20-01
HYDRAULIC/HYDROSTATIC FILTERS 20-01
HYDRAULIC/HYDROSTATIC SYSTEM 10-01
HYDRAULIC PUMP (STANDARD) 20-01
HYDRAULIC PUMP (STANDARD) (HIGH FLOW) 20-01
HYDRAULIC PUMP (HIGH FLOW) (SJC) 20-01
HYDARULIC PUMP (SJC) 20-01
HYDRAULIC SYSTEM INFORMATION 20-01
HYDROSTATIC MOTOR 30-01
HYDROSTATIC MOTOR (TWO SPEED) 30-01
HYDROSTATIC MOTOR CARRIER (SINGLE ANDTWO-SPEED WITH MANUAL CONTROLS) 30-01
HYDROSTATIC MOTOR CARRIER (SINGLE ANDTWO-SPEED WITH SJC CONTROLS) 30-01
HYDROSTATIC PUMP 30-01
HYDROSTATIC PUMP (SJC) 30-01
HYDROSTATIC SYSTEM INFORMATION 30-01

INSTRUMENT PANELS 60-01

LIFT ARMS 50-01
LIFT ARM BYPASS CONTROL VALVE 20-01
LIFT ARM SUPPORT DEVICE 10-01
LIFTING AND BLOCKING THE LOADER 10-01
LIGHTS 60-01
LOADER STORAGE AND RETURN TO SERVICE 10-01
LUBRICATING THE LOADER 10-01
LUBRICATION SYSTEM 70-01

MAIN RELIEF VALVE 20-01
MUFFLER 70-01

OIL COOLER 20-01
OPERATOR CAB 10-01, 50-01
OPERATOR SEAT 50-01
OPERATOR SEAT (SUSPENSION) 50-01

PIVOT PINS 10-01
POWER BOB-TACH BLOCK 20-01

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REAR AUXILIARY DIVERTER VALVE 20-01
REAR DOOR 50-01
REAR GRILL 50-01
RECEIVER/DRIER 80-01
REGULAR MAINTENANCE 80-01
REMOTE START TOOL KIT-MEL1563 10-01
REMOTE START TOOL (SERVICE TOOL)
KIT-6689779 10-01

S185 LOADER SPECIFICATIONS SPEC-01
SEAT BAR 50-01
SEAT BAR SENSOR 60-01
SERVICE PC (LAPTOP COMPUTER) 60-01
SERVICE SCHEDULE 10-01
SPARK ARRESTOR MUFFLER 10-01
STARTER 60-01
STEERING DRIFT COMPENSATION 60-01
STOPPING THE ENGINE AND
LEAVING THE LOADER 10-01
SYSTEM CHARGING AND RECLAMATION 80-01

THERMOSTAT 80-01
TIRE MAINTENANCE 10-01
TORQUE SPECIFICATIONS FOR BOLTS SPEC-01
TOWING THE LOADER 10-01
TRACTION LOCK 60-01
TRANSPORTING LOADER ON A TRAILER 10-01
TROUBLESHOOTING 80-01
TURBOCHARGER 70-01
TWO-SPEED VALVE 30-01

WHEEL SPEED SENSORS (SJC) 60-01
WINDOW (FRONT DOOR) 50-01
WINDOW (REAR) 50-01
WINDOW (SIDE) 50-01
WINDOW (TOP) 50-01

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CONTENTS

FOREWORD II

SAFETY INSTRUCTIONS V

FIRE PREVENTION VII

SERIAL NUMBER LOCATIONS IX

DELIVERY REPORT X

LOADER IDENTIFICATION XI

SAFETY AND MAINTENANCE 10-01

HYDRAULIC SYSTEM 20-01

HYDROSTATIC SYSTEM 30-01

DRIVE SYSTEM 40-01

MAIN FRAME 50-01

ELECTRICAL SYSTEM & ANALYSIS 60-01

ENGINE SERVICE 70-01

HEATING, VENTILATION, AIR CONDITIONING 80-01

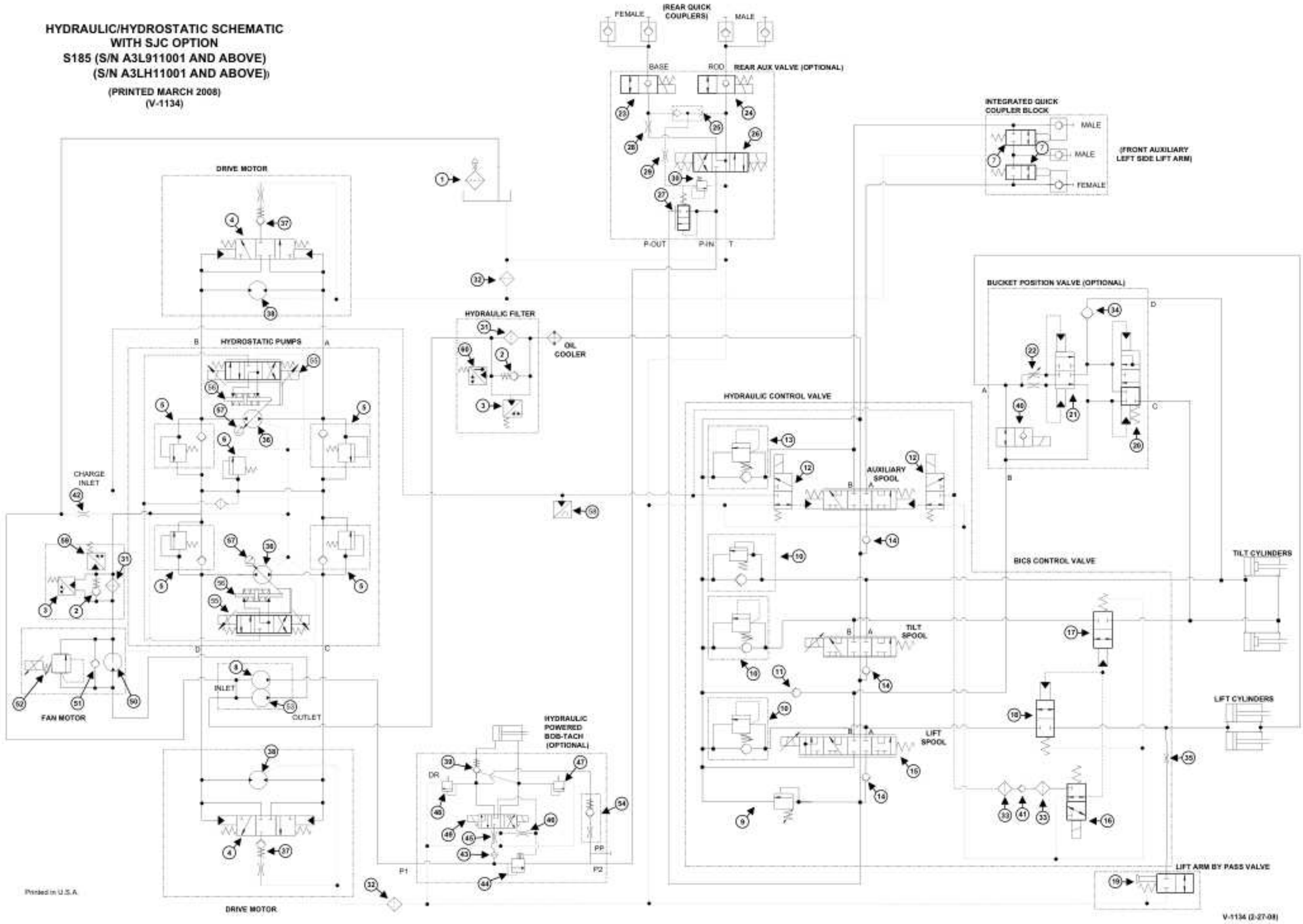
SPECIFICATIONS SPEC-01

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HYDRAULIC/HYDROSTATIC SCHEMATIC WITH SJC OPTION
S185 (S/N A3L911001 AND ABOVE) (S/N A3LH11001 AND ABOVE)

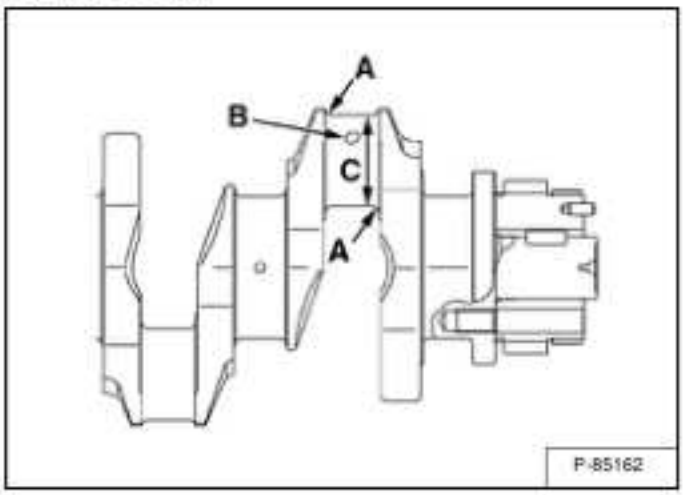
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Crankshaft And Bearings - Servicing (Cont'd)

Figure 70-90-34



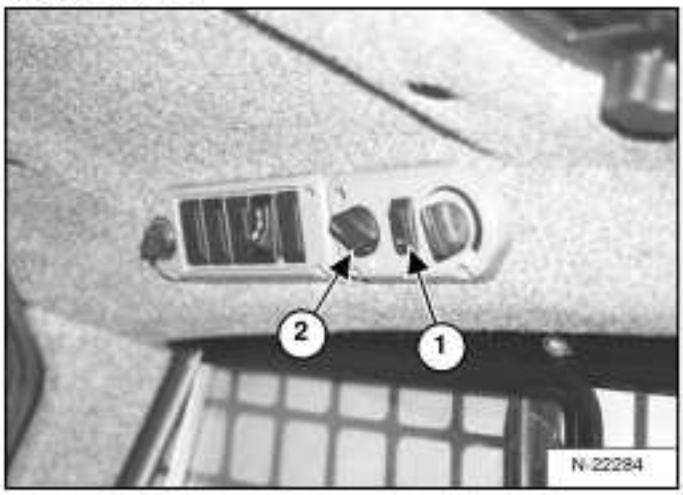
Undersize dimensions of crankpin.

Undersize	0.0079 in. (0,2 mm)	0.016 in. (0,4 mm)
Dimension A	0.13 - 0.14 in. radius (3,3 - 3,7 mm radius)	0.13 - 0.14 in. radius (3,3 - 3,7 mm radius)
*Dimension B	0.040 - 0.059 in. relief (1,0 - 1,5 mm relief)	0.040 - 0.059 in. relief (1,0 - 1,5 mm relief)
Dimension C	1.8418 - 1.8421 in. dia. (48,780 - 46,791 mm dia.)	1.8339 - 1.8342 in. dia. (46,580 - 46,591 mm dia.)
(0.8-S) The crank pin must be fine-finished to higher than —— ——		
*Holes to be de-burred and edges rounded with 0.040 - 0.059 in. (1,0 -1,5 mm) relief.		

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Electrical System

Figure 80-30-4



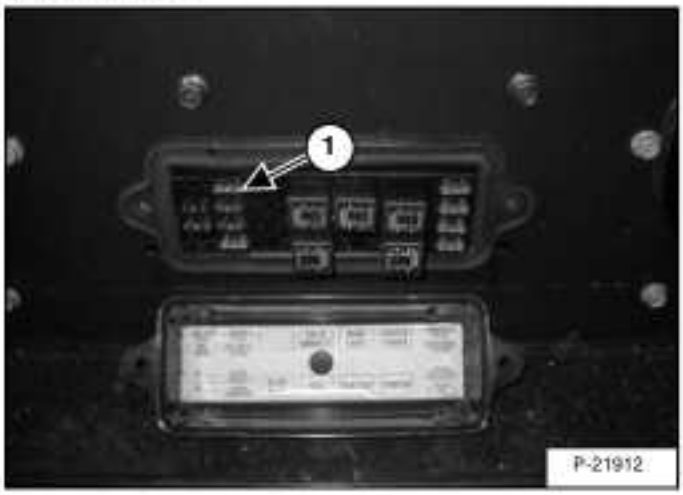
Check to see if the compressor clutch is engaging.

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

Push the A/C switch (Item 1) to the ON position. Turn the blower fan switch (Item 2) **[Figure 80-30-4]** to the first On position.

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

Figure 80-30-5

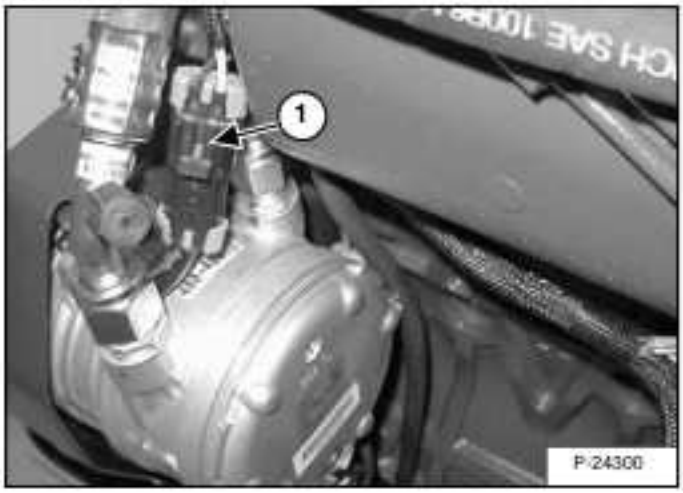


If the compressor clutch does not engage, check the loader fuse (Item 1) **[Figure 80-30-5]** located on the control panel in the loader cab.

Replace the fuse if burned out.

NOTE: The decal inside the fuse cover, refers to the fuse as HEATER. This fuse controls the power for both the Heater and the A/C systems.

Figure 80-30-6

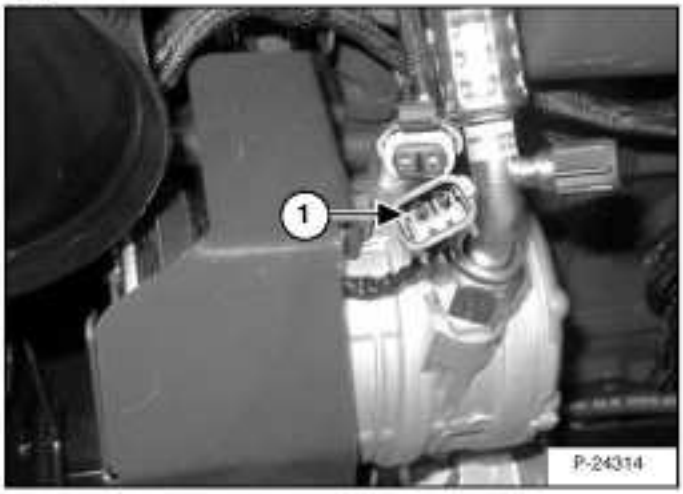


Raise the lift arms and install an approved lift arm support device. (See Removing on Page 10-20-2.)

Raise the operator cab. (See Raising on Page 10-30-2.)

Disconnect the loader harness (Item 1) **[Figure 80-30-6]** from the compressor clutch wire.

Figure 80-30-7



With a multi meter, check the resistance to the compressor clutch (Item 1) **[Figure 80-30-7]**.

If there is no resistance value, replace the compressor clutch.(See Clutch Disassembly And Asssembly on Page 80-50-5.)

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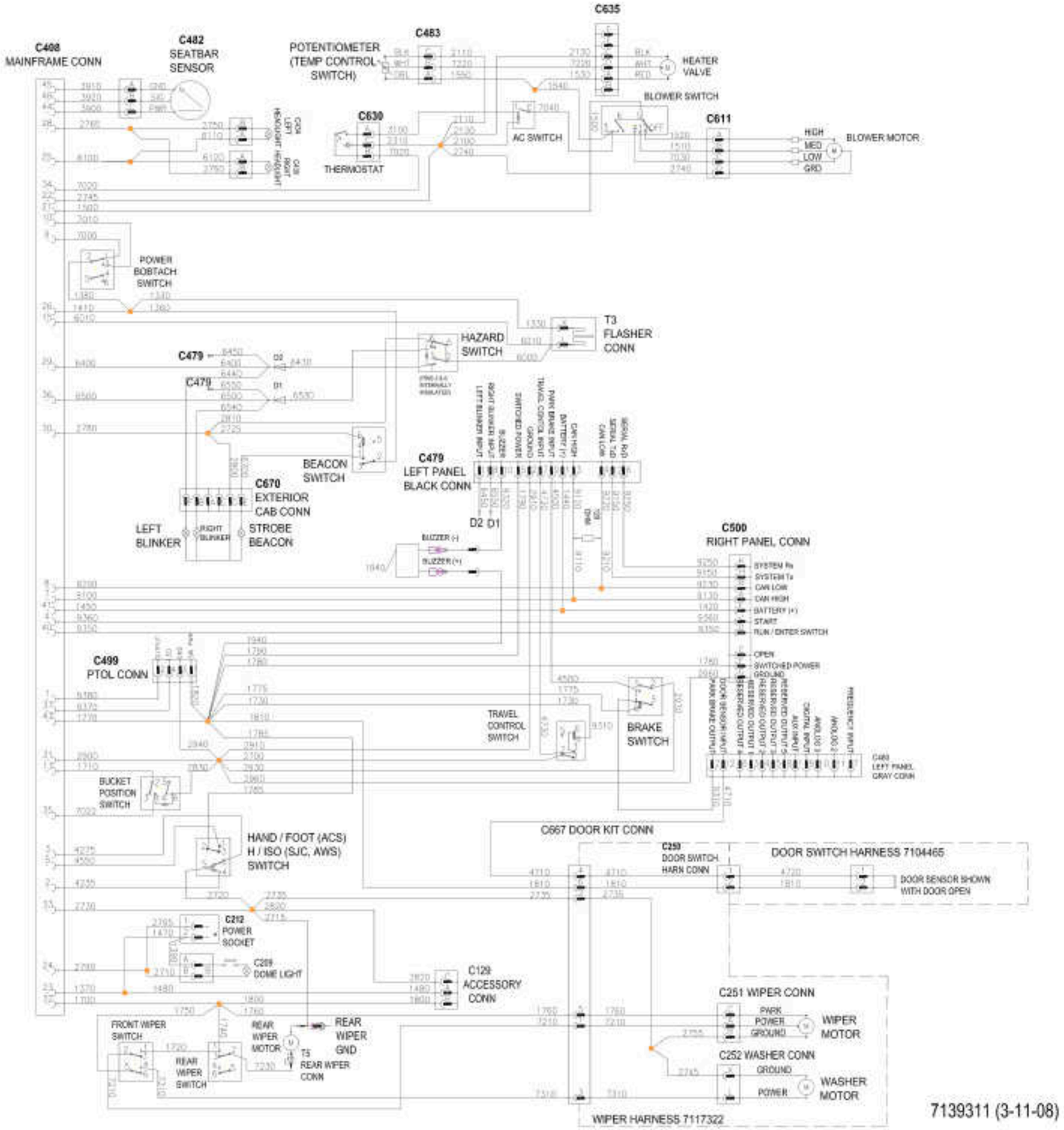
WIRING SCHEMATIC
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