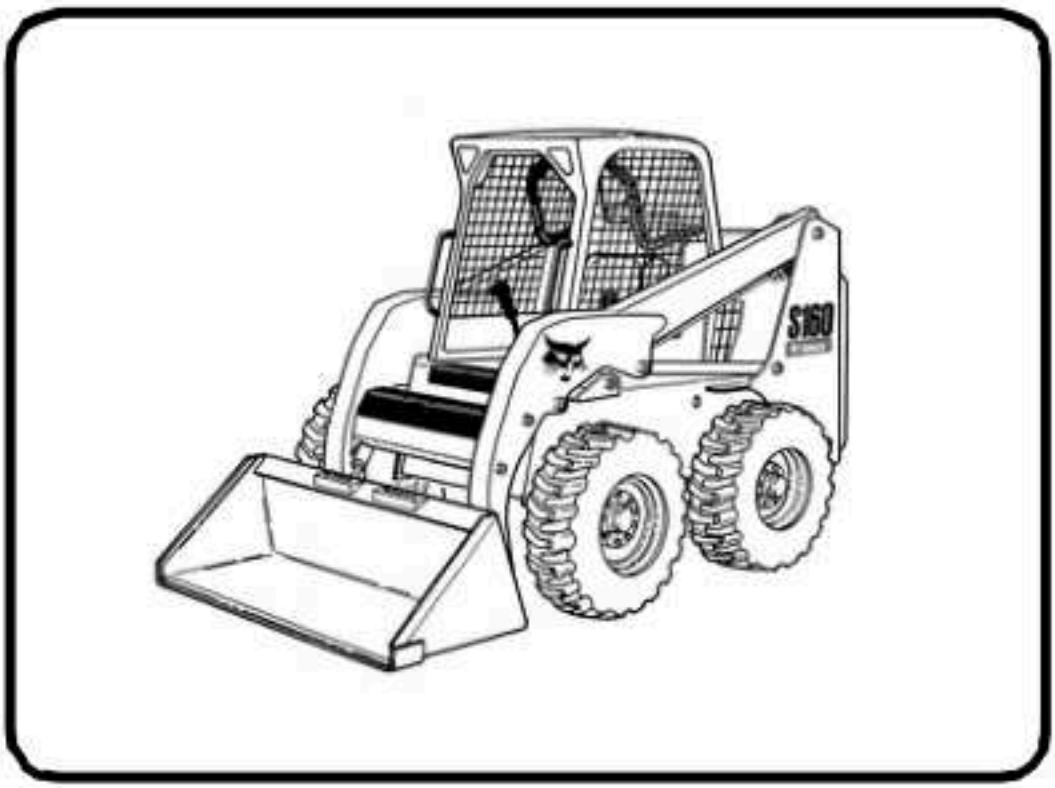
Bobcat®

Service Manual
S160 Skid-Steer Loader

S/N A3L311001 & Above
S/N A3L411001 & Above



EQUIPPED WITH
BOBCAT INTERLOCK
CONTROL SYSTEM (BICS™)

6987048 (8-08)

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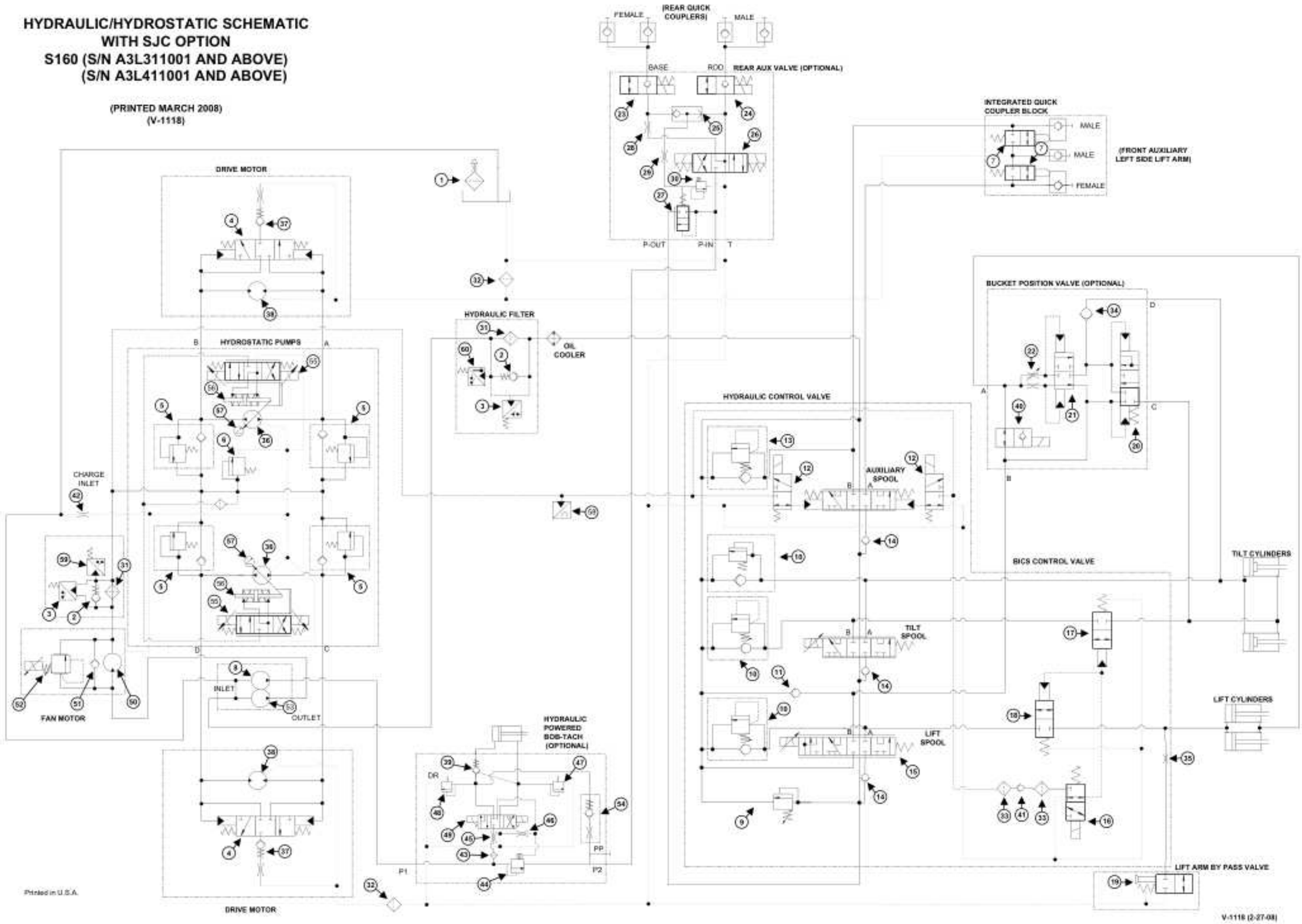
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WITH SJC OPTION
S160 (S/N A3L311001 AND ABOVE)
(S/N A3L411001 AND ABOVE)

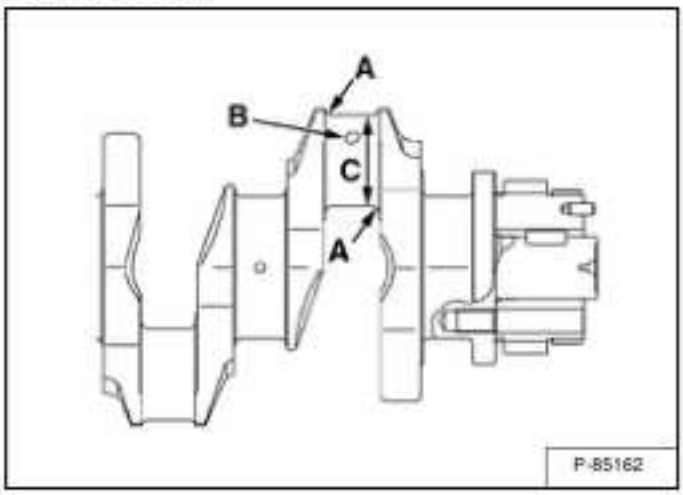
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Crankshaft And Bearings - Servicing (Cont'd)

Figure 70-90-34



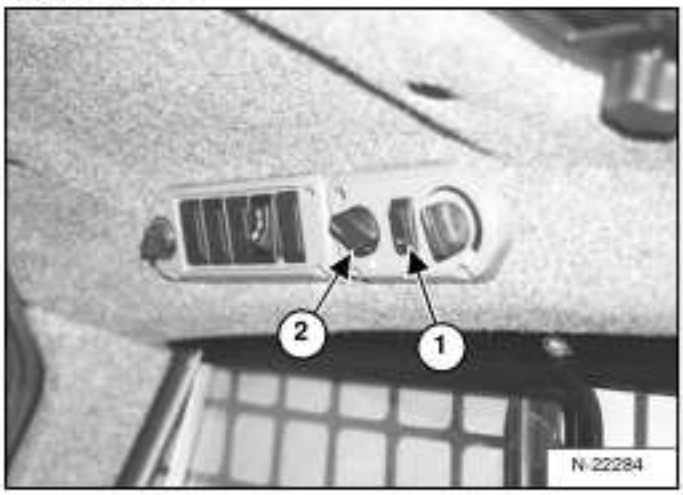
Undersize dimensions of crankpin.

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



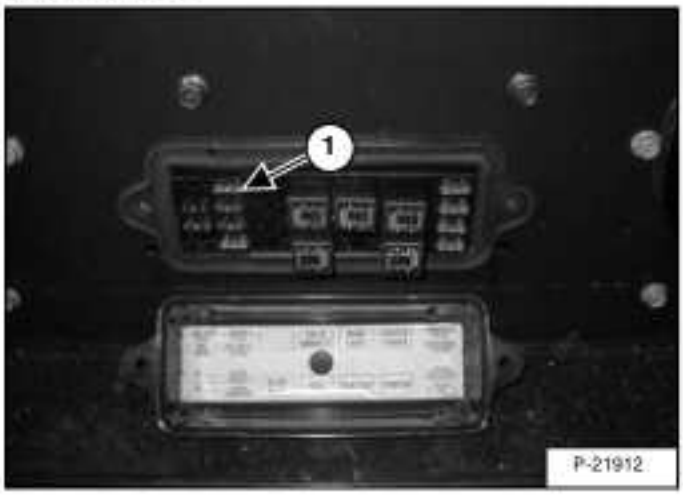
Check to see if the compressor clutch is engaging.

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

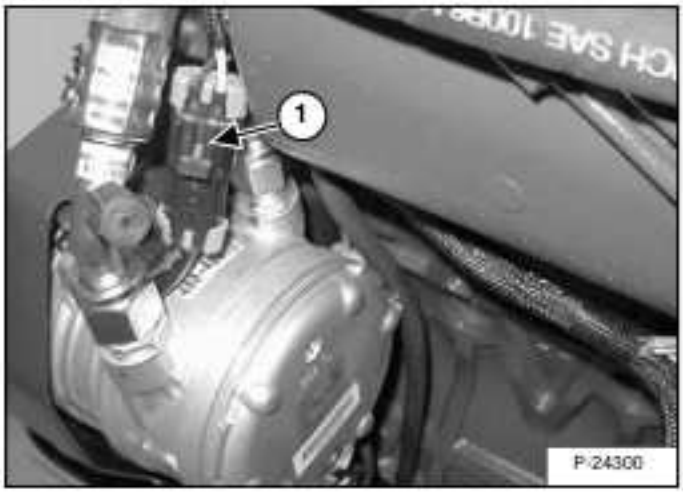


If the compressor clutch does not engage, check the loader fuse (Item 1) **[Figure 80-30-5]** located on the control panel in the loader cab.

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

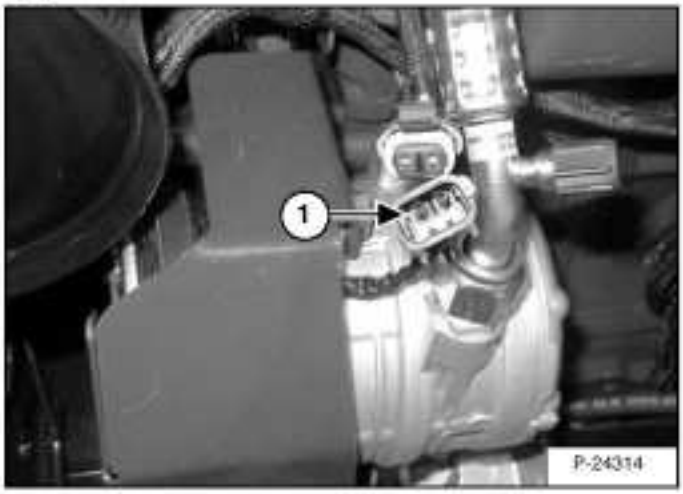


Raise the lift arms and install an approved lift arm support device. (See Installing on Page 10-20-1.)

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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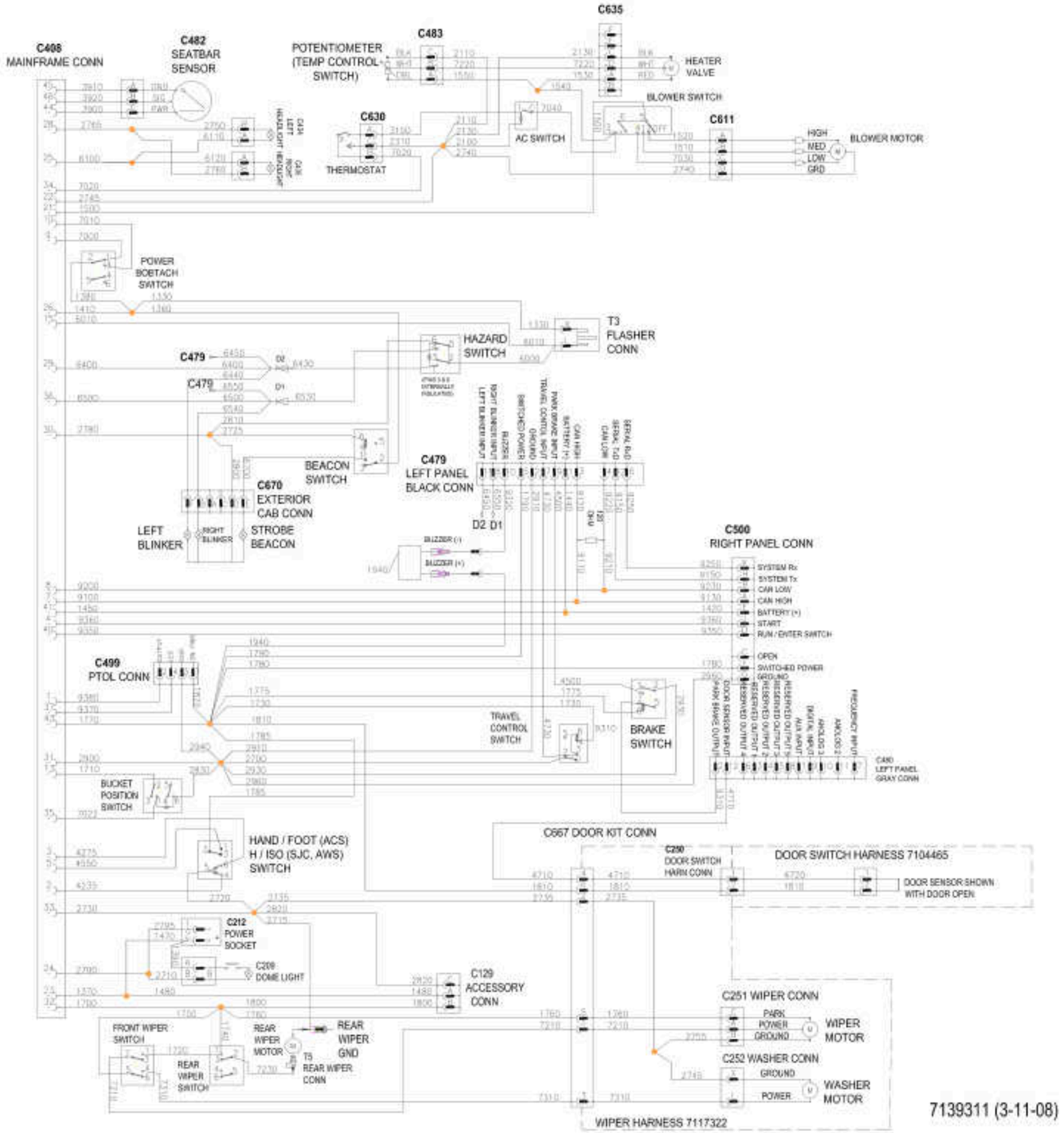
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