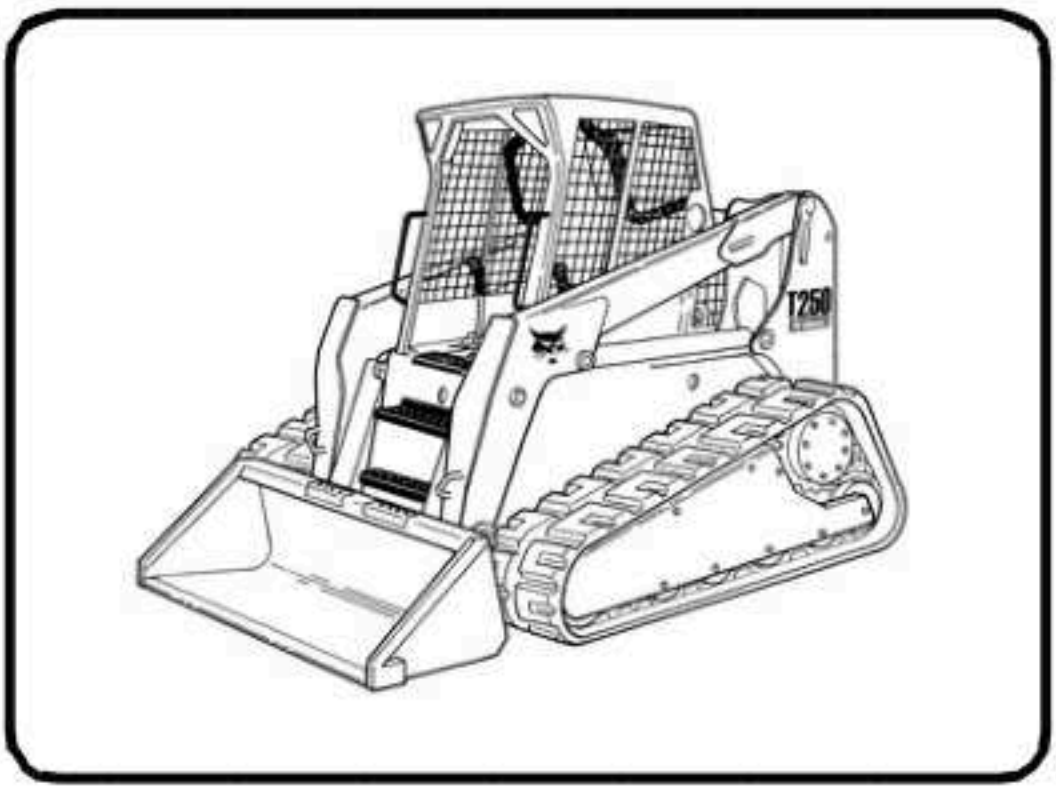
Bobcat®

Service Manual
T250 Compact Track Loader

S/N 531811001 & Above
S/N 531911001 & Above



EQUIPPED WITH BOBCAT INTERLOCK CONTROL SYSTEM (BICS™)

6904164 (3-09)

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ACS- ADVANCED CONTROL SYSTEM
AHC- ADVANCED HAND CONTROL SYSTEM
BICS™-BOBCAT INTERLOCK CONTROL SYSTEM

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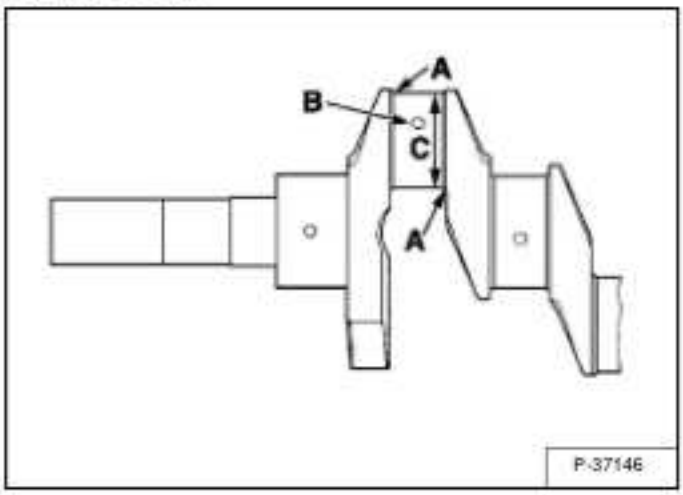
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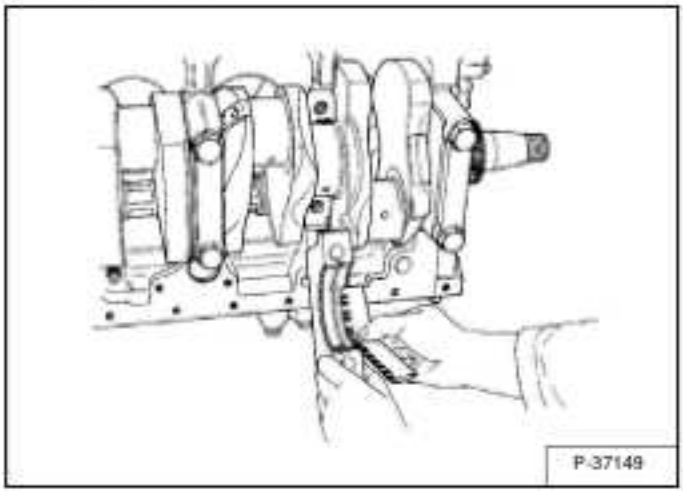
Figure 70-90-42



Undersize dimensions of crank pin.

Undersize	0,2 mm 0.008 in.	0,4 mm 0.016 in.
Dimension A	2,8 - 3,2 mm radius 0.1102 - 0.1260 in. radius	2,8 - 3,2 mm radius 0.1102 - 0.1260 in. radius
Dimension B	1,0 - 1,5 mm radius 0.0394 - 0.0591 in. radius	1,0 - 1,5 mm radius 0.0394 - 0.0591 in. radius
Dimension C	52,777 - 52,790 mm 2.0778 - 2.0783 in.	52,577 - 52,590 mm 2.0700 - 2.0705 in.
The crank pin must be fine-finished to higher than ———		(0.8-S)

Figure 70-90-43



Clean the crankshaft journal and crankshaft bearing.

Put a strip of press gauge (Code No.: 07909-30241) on the center of the journal **[Figure 70-90-43]**.

NOTE: Never insert the press gauge into the oil hole of the journal.

Install the main bearing case and tighten the screws to the specified torque, and remove the cases again.

Measure the amount of the flattening with the scale and get the oil clearance.

If the clearance exceeds the allowable limit, replace the crankshaft bearing.

Crank pin O.D.	Factory spec.	74,977 - 74,990 mm 2.9518 - 2.9548 in.

Oil clearance between crankshaft journal and crankshaft bearing	Factory spec.	0,018 - 0,062 mm 0.0007 - 0.0020 in.
	Allowable limit	0,20 mm 0.0079 in.

Undersize crank pin bearing.

Undersize	Bearing	Code Number	Marking
0,2 mm 0.008 in.	Crankshaft bearing 02	1C020-23910	020 US
0,4 mm 0.016 in.	Crankshaft bearing 04	1C020-22920	040 US

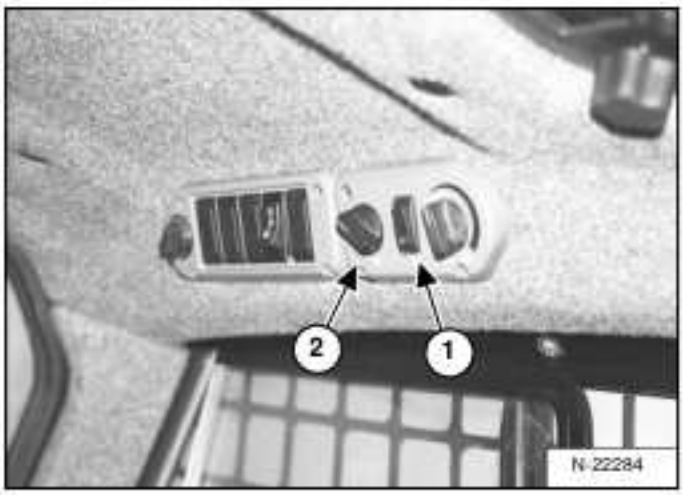
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Electrical System

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.

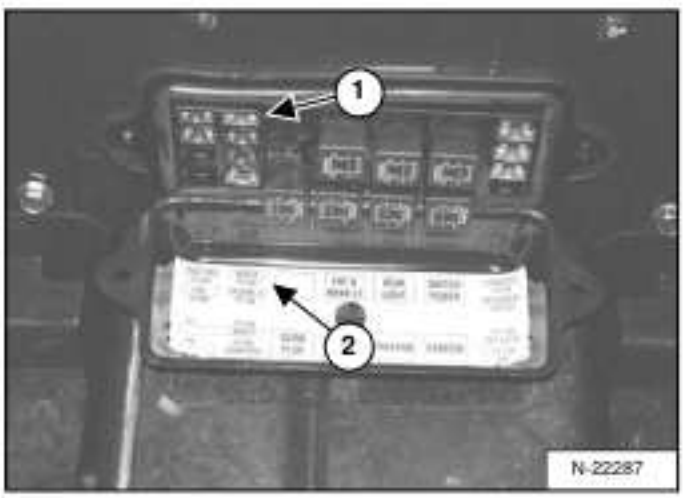
Figure 80-30-4



Push the A/C switch (Item 1) to the ON position. Turn the blower 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.

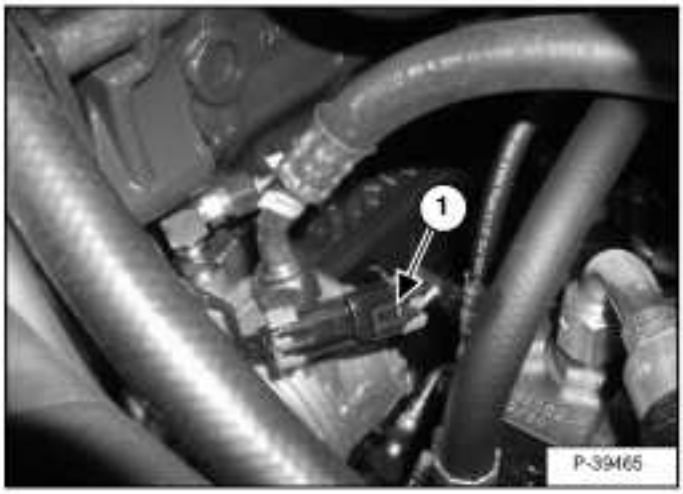
Replace the fuse if burned out.

Figure 80-30-6



Remove the right side access cover (Item 1) **[Figure 80-30-6]**.

Figure 80-30-7

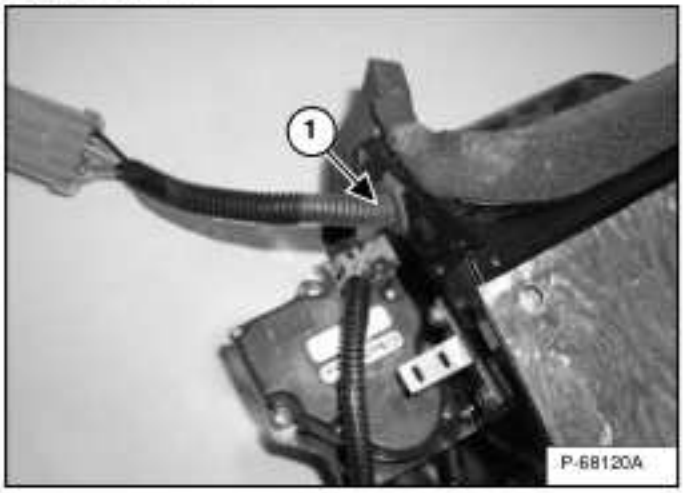


Disconnect the loader harness (Item 1) **[Figure 80-30-7]** from the compressor clutch wire.

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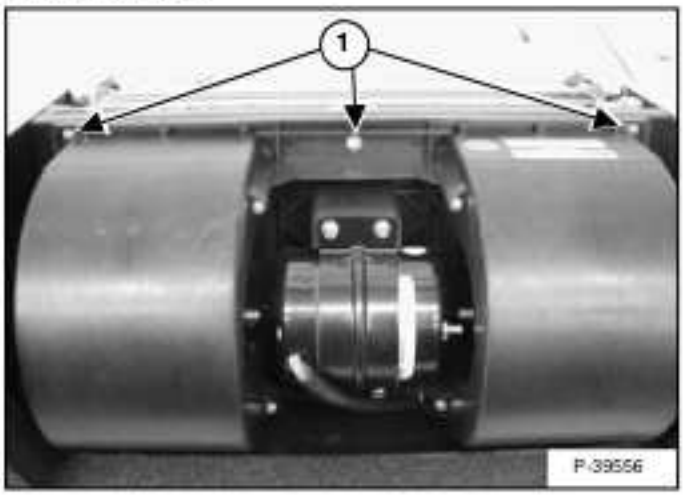
Removal And Installation (Cont'd)

Figure 80-130-5



Remove the blower fan wiring harness and grommet (Item 1) **[Figure 80-130-5]** from the unit.

Figure 80-130-6

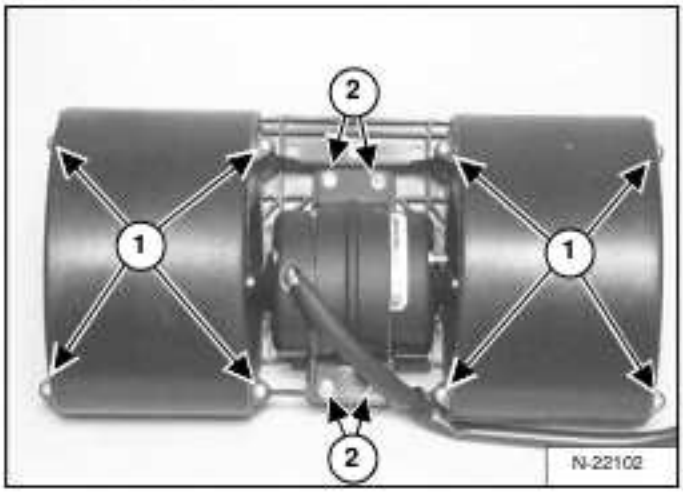


Remove the three mount bolts (Item 1) **[Figure 80-130-6]** from the blower fan housing.

Remove the blower fan housing from the evaporator/ heater unit.

Disassembly And Assembly

Figure 80-130-7



Remove the eight mount bolts (Item 1) **[Figure 80-130-7]** from the blower wheel cover.

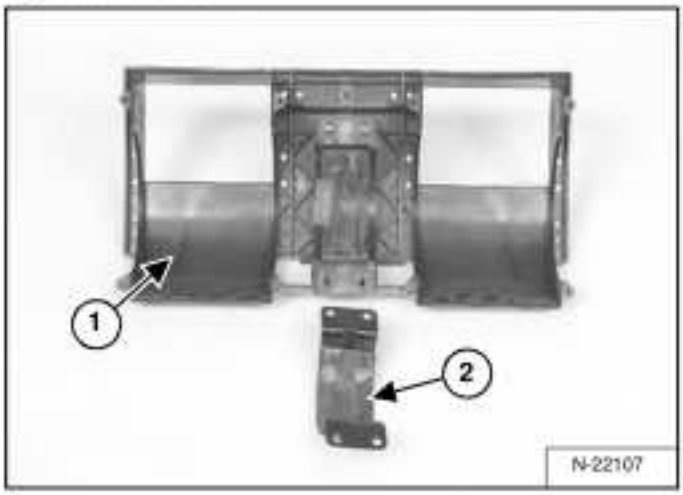
Remove the blower wheel cover from the housings.

Remove the four mount bolts (Item 2) **[Figure 80-130-7]** from the blower motor mount.

Remove the blower motor mount.

Remove the blower motor assembly from the housing.

Figure 80-130-8



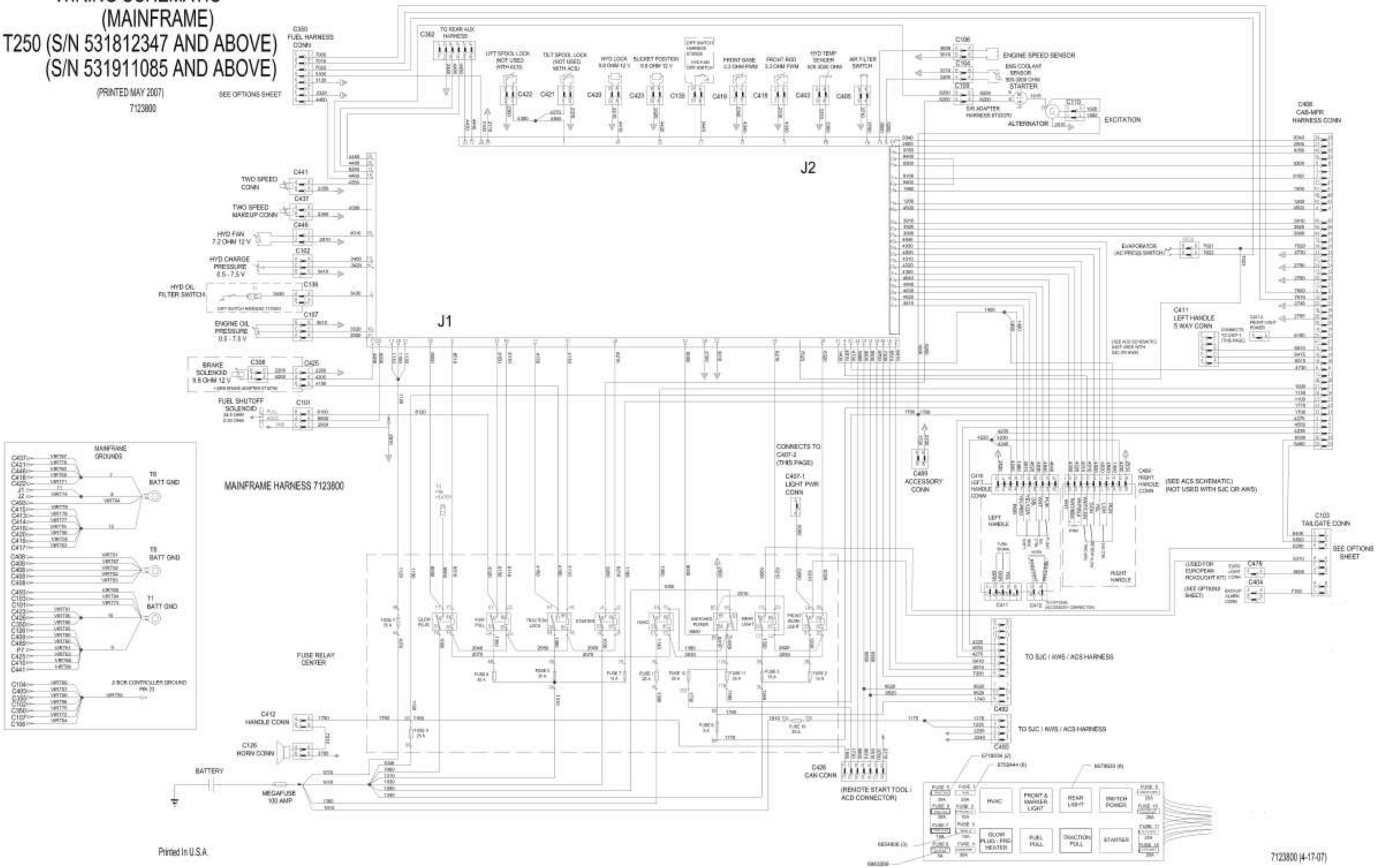
Check the blower housing (Item 1) and blower motor mount (Item 2) **[Figure 80-130-8]** for wear and replace as needed.

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WIRING SCHEMATIC
(MAINFRAME)
T250 (S/N 531812347 AND ABOVE)
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