Maintenance of Way ~ Work Equipment Bulletin

DATE: January 9, 2009

SUBJECT: Oil Cooler Replacement Kit – 98410249 (for 24-volt machines)
Oil Cooler Fan/Motor Replacement Kit – 98410248 (for 24-volt machines)

RATING: DIRECTIVE (Action is required) ALERT (Potential Problem) INFORMATION (Action is optional) PRODUCT IMPROVEMENT (Enhance Product)

MACHINE MODEL(S): 99C Spike Driver
CX Hammer
C-CX Hammer Conversions
SP2R Spike Puller
Rebuilt Grabber Spike Puller (24-volt only)
RTP Chemical Tie Plugger
M3 (Model D only)
PSS Production Screw Spiker
G2 Ballast Regulator

SERIAL NUMBER(S): 99C Spike Driver: 410200-410424
CX Hammer: 410500-410852, 410855
C-CX Hammer Conversions: 410010RBUG-410424RBUG
SP2R Spike Puller: 310001-310145
Rebuilt Grabber Spike Puller (24-volt): 330412RBUG-330674RBUG
RTP Chemical Tie Plugger: 530001-530123
M3: 450200-450242
PSS Production Screw Spiker: 400100RBUG-400111RBUG
G2 Ballast Regulator: 810150-810192

SUMMARY: These machines were originally equipped with a p/n 26740194 Oil Cooler with an electrically powered fan. The 24-volt Bosch Fan/Motor Assembly, p/n 50211526, used on the oil coolers of these machines is no longer available. The design also allowed water and dust to get into the motor.
An Oil Cooler Replacement Kit, p/n 98410249 with a weather-resistant Fan/Motor/Finger Guard Assembly is available for field replacement of the original Oil Cooler. This kit contains the Oil Cooler Core, p/n 60570039 with the Fan/Motor/Finger Guard Assembly, p/n 50211530 installed and a Wiring Harness Adapter, p/n 42350118, to connect the new motor to the existing machine wiring. An updated sheet for your Parts Manual is also included in the kit. Please note that the Oil Cooler Core, p/n 60570039 included with this kit does not change; only the Fan/Motor Assembly and Shroud will change. See the chart on this page. NOTE: KIT 98410249 MUST BE ORDERED WHEN REPLACING THE COMPLETE OIL COOLER IF THE OIL COOLER HAS THE ORIGINAL FAN/MOTOR. After initial cooler replacement, order Oil Cooler p/n 26740210.

If the motor on your machine has failed, but the Oil Cooler Core does not require replacement, a Fan/Motor Replacement Kit, p/n 98410248, is also available for replacement of the Fan/Motor only. The Fan/Motor Replacement Kit includes a new Fan/Motor/Finger Guard Assembly, p/n 50211530, a Shroud, p/n 38040012, to mount the new Fan/Motor to the existing Oil Cooler, a Wiring Harness Adapter, p/n 42350118, to connect to the existing electrical harness, mounting hardware and instructions. NOTE: KIT 98410248 MUST BE ORDERED WHEN REPLACING THE FAN/MOTOR ASSEMBLY FOR THE FIRST TIME. Individual replacement parts may be ordered after the kit has been installed.

The original Bosch Fan Motor has a cylindrical shape and a 3 blade fan. See Figure 1 on Page 3. The new Motor can be identified by its flatter, pancake shape and it has a 7 blade fan. See Figure 2 on Page 3.

OPERATIONAL IMPACT:
If the fan motors fail, there is inadequate air flow through the Oil Cooler core. The hydraulic oil could overheat causing problems with various hydraulic components and possible machine failures.

ACTION:
The new Fan/Motor is available in Fan/Motor Replacement Kit, p/n 98410248, or Oil Cooler Replacement Kit, p/n 98410249 to allow easy field replacement.

Refer to the chart on this page for the parts included in each kit. Installation should take less than 1 hour. Make sure to follow all Lock Out/Tag Out procedures before installing this kit. All orders for the Bosch Fan/Motor Assembly will be filled with Kit 98410248. The kit parts are available separately if the machine already has the new motor.

<table>
<thead>
<tr>
<th>Description</th>
<th>Original Part No.</th>
<th>Replacement Part No. (after initial replacement only)</th>
<th>Included in Kit 98410248</th>
<th>Included in Kit 98410249</th>
</tr>
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<tbody>
<tr>
<td>FAN/MOTOR/FINGER GUARD ASSEMBLY</td>
<td>50211526</td>
<td>50211530</td>
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<td>✓</td>
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<tr>
<td>OIL COOLER SHROUD</td>
<td>38040004</td>
<td>38040012</td>
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<tr>
<td>WIRING HARNESS ADAPTER</td>
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<td>60570039</td>
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<tr>
<td>FINGER GUARD</td>
<td>38040005</td>
<td>Part of Assy. 50211530</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>
WARRANTY: None

**Figure 1**
Original Oil Cooler with Bosch Fan/Motor Assembly
p/n 26740194 (24-volt)

**Figure 2**
New Oil Cooler with Fan/Motor Assembly
p/n 26740210 (24-volt)