



Product Support Bulletin 2008-012

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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:

<input type="checkbox"/> DIRECTIVE (Action is required)	<input type="checkbox"/> ALERT (Potential Problem)
<input type="checkbox"/> INFORMATION (Action is optional)	<input checked="" type="checkbox"/> PRODUCT IMPROVEMENT (Enhance Product)

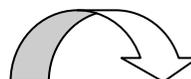
MACHINE MODEL(S):

- 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.



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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.

PARTS INCLUDED IN KITS 98410248 and 98410249				
Description	Original Part No.	Replacement Part No. (after initial replacement only)	Included in Kit 98410248	Included in Kit 98410249
FAN/MOTOR/FINGER GUARD ASSEMBLY	50211526	50211530	✓	✓
OIL COOLER SHROUD	38040004	38040012	✓	✓
WIRING HARNESS ADAPTER	N/A	42350118	✓	✓
OIL COOLER CORE	60570039	60570039		✓
FINGER GUARD	38040005	Part of Assy. 50211530	N/A	N/A

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WARRANTY: None

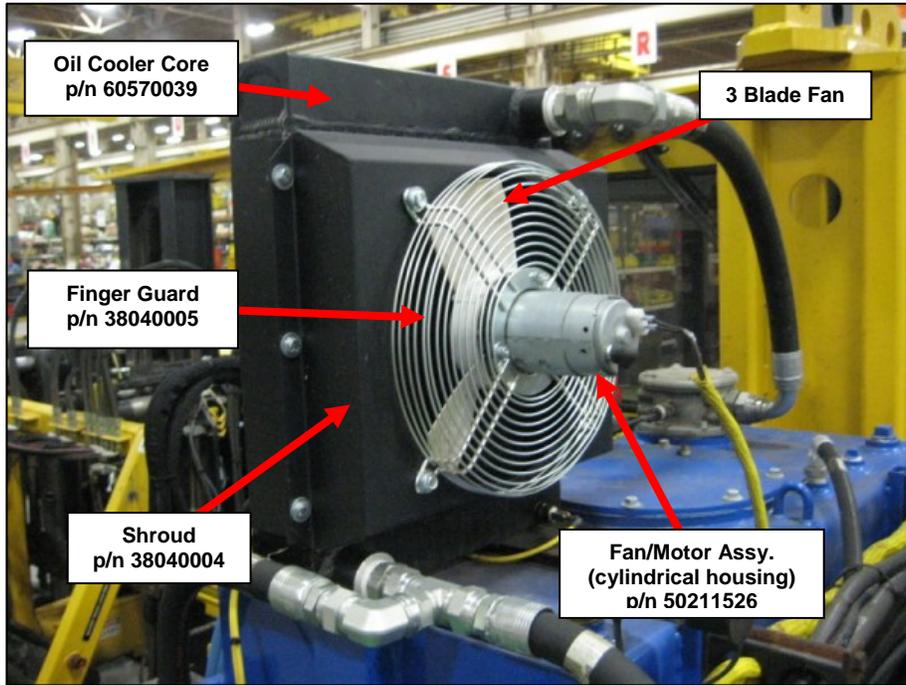


Figure 1

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

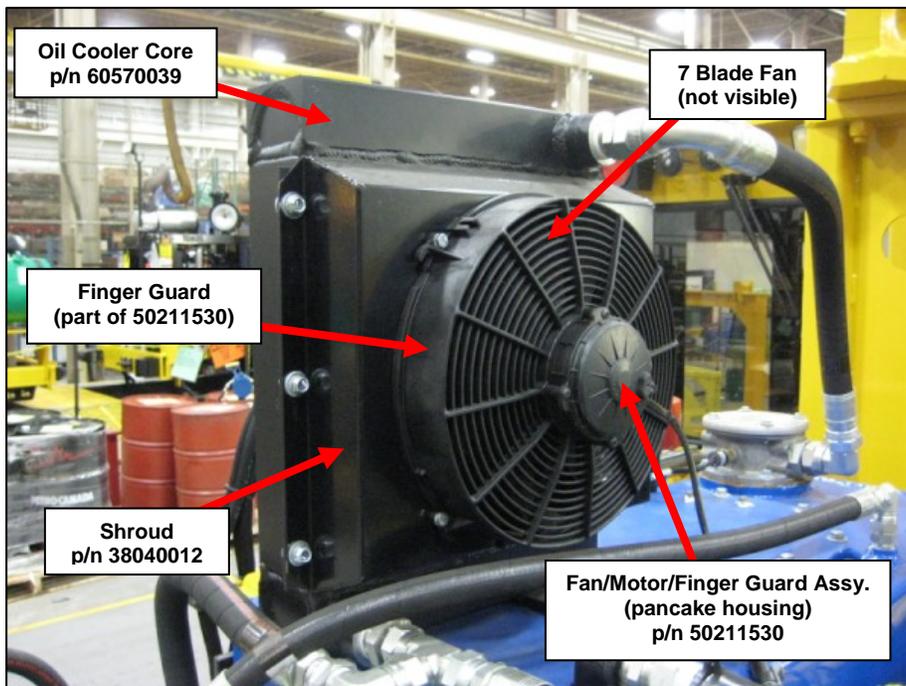


Figure 2

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