



Product Support Bulletin 2007-004A

245 W. Forest Hill Avenue
Oak Creek, WI 53154

Contact: Gary D. Van Deluyster, Service Manager – Phone: 800-445-9258 – Fax: 414-766-2379

Maintenance of Way ~ Work Equipment Bulletin

NOTE: THIS BULLETIN REPLACES PSB 2007-004

DATE: August 22, 2007

SUBJECT: Replacement Vibrator Motor Flow Control Valve – 1603810
Pusher-style Bulk Loader Vibrator Mounting Reinforcing Kit – 98410232

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

MACHINE MODEL(S): Model C and 99C Spiking Machine
CX Hammer
BAAM Anchor Applicator

SERIAL NUMBER(S): Model C and 99C Spiking Machine: All with Pusher-style Bulk Loader
CX Hammer: All with Pusher-style Bulk Loader
BAAM Anchor Applicator: 690025-690035

SUMMARY: There have been reports of the Vibrator Mounting Channel of the Bulk Loader Bin developing cracks in the mounting channel welds during use. This is caused by excessive vibration force produced by the bin vibrator, especially when the bin is only partially full. There have also been failures of the bin structural welds.

To prevent cracking of the welds, the original 8.0 GPM Flow Control Valve, p/n 1603808, controlling the vibrator speed should be replaced with a **6.5 GPM Flow Control Valve, p/n 1603810**. This flow control valve will allow the vibrator to generate adequate force to move the material, but will not generate excessive force when the bin is only partially filled. The original and replacement valves are shown in Figure 2.

As further insurance against cracking, which could occur if the vibrator is run for extended periods of time when partially full, a **Vibrator Mounting Reinforcing Kit, p/n 98410232** has been designed. This kit will reinforce the bottom of the bin and consists of a Reinforcing Gusset and instructions. **This kit also includes the 1603810 Flow Control Valve.** One kit or valve is required per machine.



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OPERATIONAL IMPACT: Installation of the 1603810 Flow Control Valve and the 98410232 Vibrator Mounting Reinforcing Kit will reduce the possibility of cracks developing in the bin, preventing costly repairing of the bin.

ACTION: The 98410232 Bulk Bin Reinforcing Kit should be installed with the bin removed from the machine and the bin turned over to facilitate welding. Instructions are provided with the kit. See Figure 1. Any cracks that may have developed should be repaired at this time.

The flow control is easily replaced without removing the bulk bin. The 1603810 Flow Control Valve is direct replacement for the original flow control. The fittings from the original flow control are reused. **Make sure the arrow on the flow control is pointing in the direction shown in Figure 3. NOTE: ONLY replace the flow control valve that is connected to the Kick-Down relief valve. Do not replace any other flow control valves.**

WARRANTY: Nordco will supply the **98410232 Vibrator Mounting Reinforcing Kit** for all machines with Bulk Loaders under warranty. Only the parts will be supplied under warranty; installation is the responsibility of the customer.

Nordco will exchange any cracked bins with remanufactured bins for any machine built in 2006 or 2007. Contact the Nordco Service Department at 1-800-445-9258 for warranty replacement parts. Please have the machine serial number available when calling.

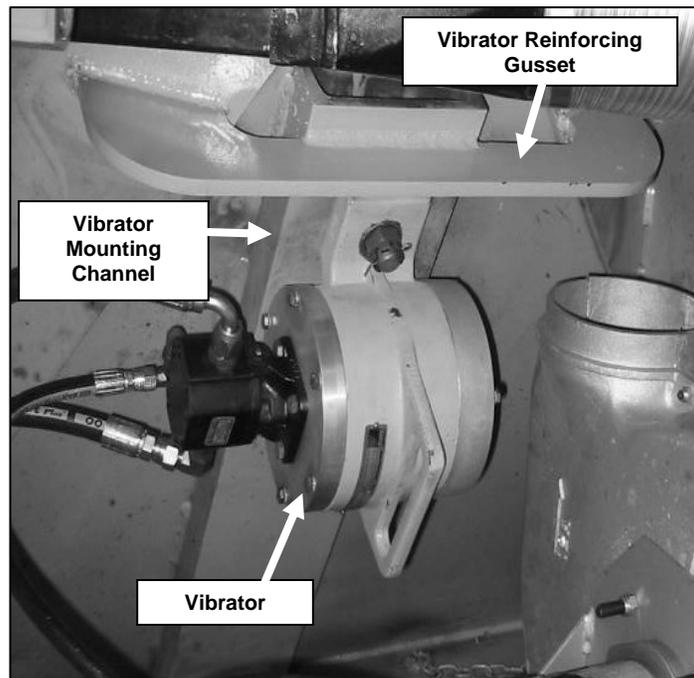


Figure 1
Vibrator Mounting Reinforcing Kit
P/N 98410232

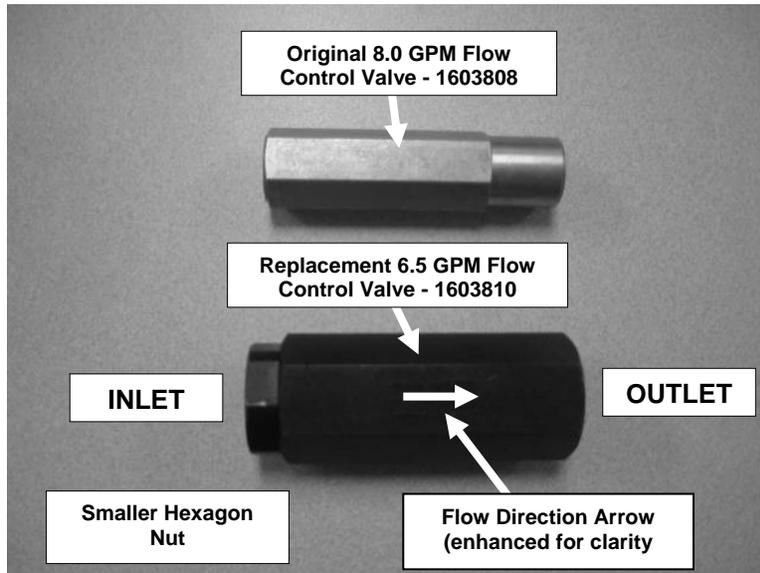


Figure 2

The original 1603808 Flow Control Valve is hexagon shaped on the inlet end and round on the outlet end. It is silver in color.

The replacement 1603810 Flow Control Valve is hexagon in shape. It has a smaller hexagon nut on the inlet end. It is black in color. The Flow Direction Arrow is engraved in the body of the valve.

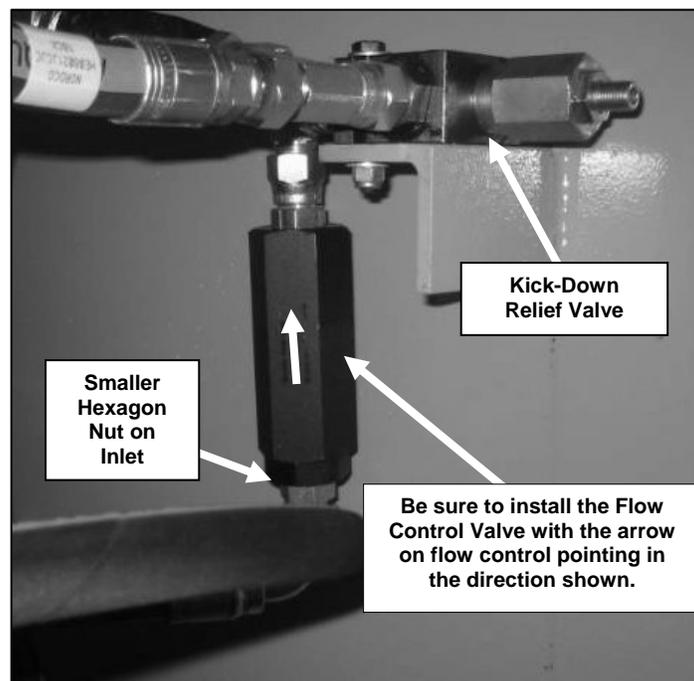


Figure 3

Replacement 6.5 GPM Vibrator Flow Control Valve installed in bulk bin. **ONLY** replace the flow control that is connected to the Kick-Down Relief Valve