



Product Support Bulletin 2008-003

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Maintenance of Way ~ Work Equipment Bulletin

DATE: June 6, 2008

SUBJECT: Battery Cables Secured to Hydraulic Hoses
Anti-abrasion Sleeve Kit – 98411100

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

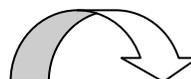
MACHINE MODEL(S): All Nordco Machines Equipped with a Battery

SERIAL NUMBER(S): All (including RBUG machines)

SUMMARY: The positive battery cable from the battery to the starter connection on the engine may be secured to a hydraulic hose with cable ties. Because of the vibrations of the hose, the cable insulation and outer hose covering may wear through causing a short circuit with the wire braid of the hose. This also applies to cables connected from the battery to the Electric Emergency Pump if the machine is so equipped. See Figure 3 on Page 3.

OPERATIONAL IMPACT: If the battery cable shorts out to the hose, the hose may burst. Pressurized hydraulic oil spraying out of the hose could be ignited from the heat generated by the short circuit and start a fire. Figure 1 on Page 2 shows a worn cable.

ACTION: All machines should be inspected and if the battery cables or Emergency Pump cables are secured to a hydraulic hose, the wire ties should be cut off and the cables rerouted away from the hose and secured in clamps. In addition, **ALL battery cables should be covered with an Anti-abrasion Sleeve. Anti-abrasion Sleeve Kits, p/n 98411100** are available under warranty from Nordco for all of the affected machines. This kit includes **30 feet of Anti-abrasion Sleeve, p/n 5102506, 5 Double Clamps, p/n 24708976 and 2 Single Clamp, p/n 24709022.** The clamps are welded to the frame of the machine as required. See Figure 2 on Page 3. **Be sure to follow all Lock Out-Tag Out procedures before welding. Consult your machine manual for specific Lock Out-Tag Out procedures.**



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The various machines all have different battery, emergency pump and engine locations, so cable routing will vary for the different machine models. However, the battery cable clamps should be placed no more than 3 feet apart and the cables should be routed to avoid sharp edges of the engine and frame. Some machines, especially older Grabber Spike Pullers with the battery mounted at the rear of the machine may need 2 kits, but most machines will only require 1 kit.

WARRANTY: Please order part number **98411100** and have your machine serial number available when ordering. No kits will be supplied under warranty without a machine serial number. Contact the Nordco Service Department at 1-800-445-9258 to order the sleeve kit.

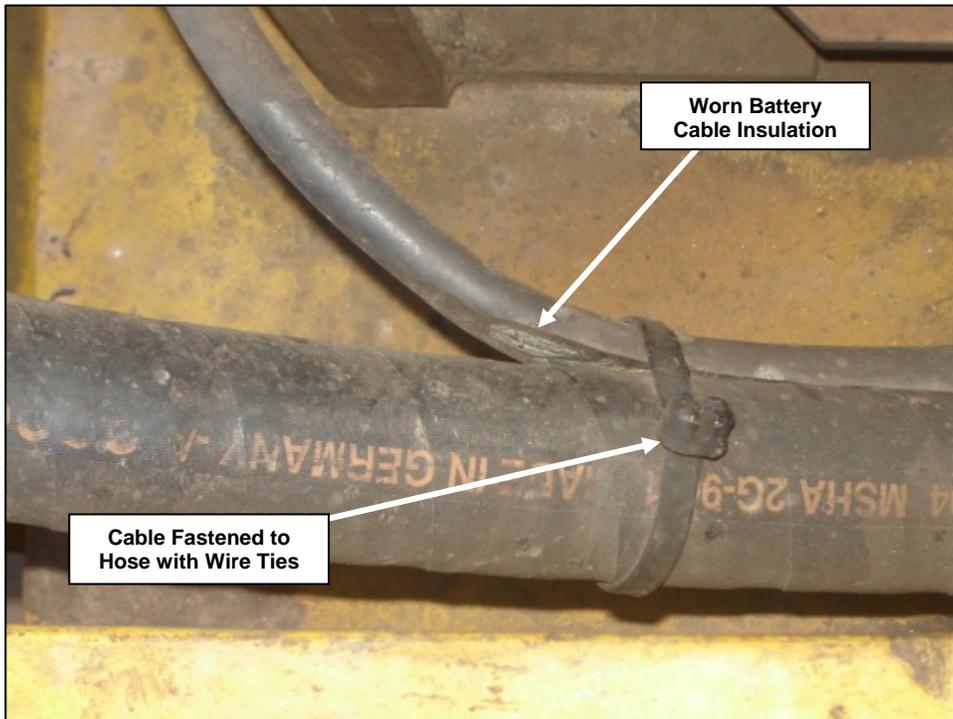
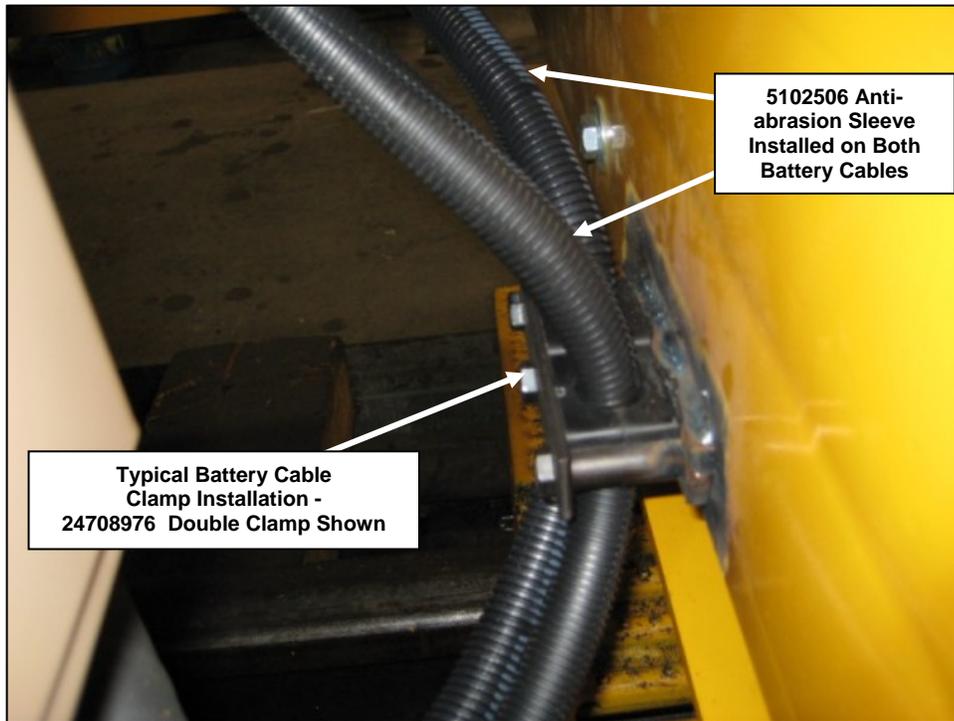


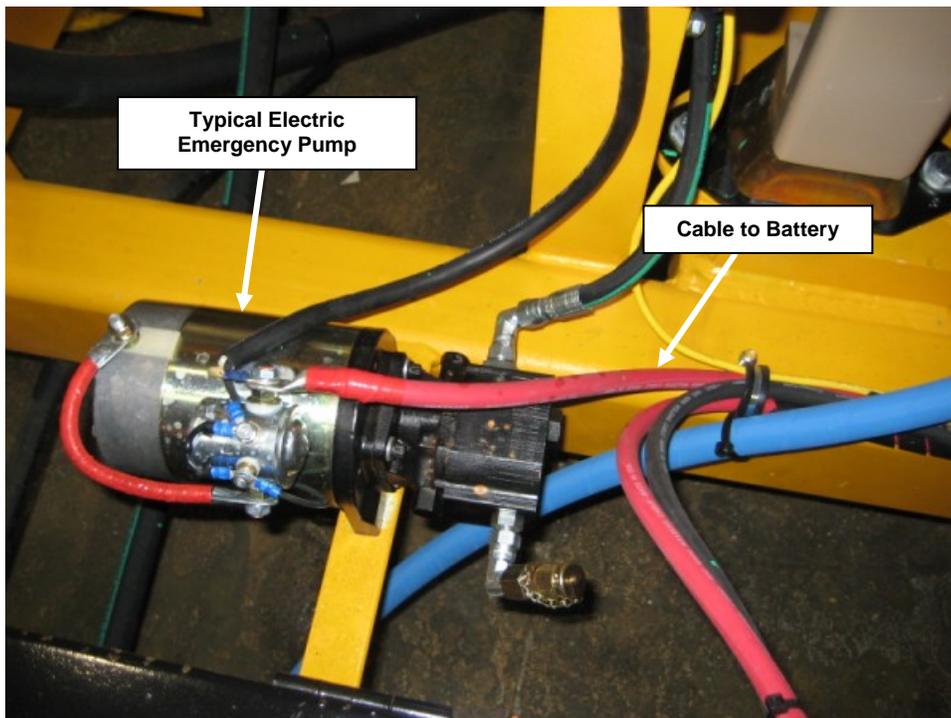
Figure 1
Worn Battery Cable



5102506 Anti-abrasion Sleeve Installed on Both Battery Cables

Typical Battery Cable Clamp Installation - 24708976 Double Clamp Shown

Figure 2
Cables in Clamps & Covered with Anti-abrasion Sleeve



Typical Electric Emergency Pump

Cable to Battery

Figure 3
Electric Emergency Pump