



# Product Support Bulletin 2009-018A

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## Maintenance of Way ~ Work Equipment Bulletin

**NOTE: THIS BULLETIN REPLACES PSB 2009-018**

**DATE:** December 4, 2009  
**SUBJECT:** Possible Defective Electrical Interlock Relay – 61231200 (12-volt) and 61231201 (24-volt)

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

**MACHINE MODEL(S):** All Machines with Yellow Electrical Interlock Button on Control Panel

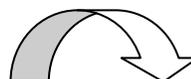
**SERIAL NUMBER(S):** All

**SUMMARY:** The supplier of these relays, Cole-Hersee Inc., has informed Nordco that defective relays may have been supplied both for new machine construction and as repair parts. The relay contacts may not open on defective relays when the Electrical Interlock Button is pushed in.

**OPERATIONAL IMPACT:** The operator controls and electrical system components controlling the workheads receive electrical power through this relay. When the Electrical Interlock Button (also known as the Park/Run Button on some older machines) is pushed in, power to the workhead components is interrupted, disabling the workhead functions.

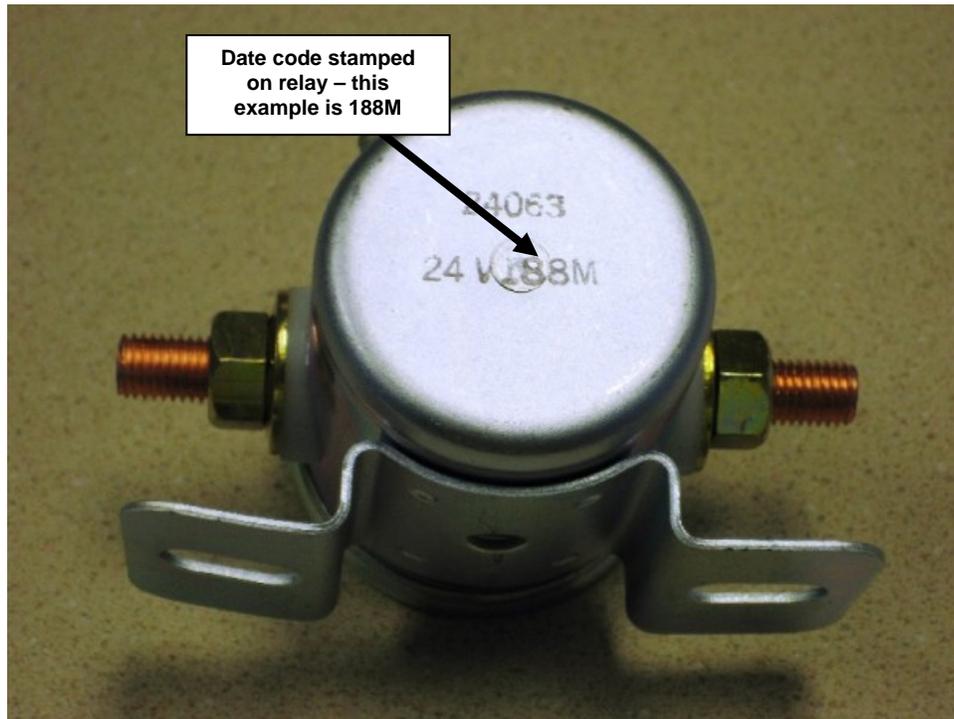
A defective relay may not open when the button is pushed and power may still be applied to the workhead components even though the Electrical Interlock Button is pushed in. This could cause unexpected movement of the machine workhead if any of the operator's controls were actuated.

**ACTION:** The relays have a date code stamped on the housing of the relay; see Figure 1 on Page 2. The date code signifies the week and year of manufacture; the example shown in Figure 1 was manufactured the 18<sup>th</sup> week of 2008. **DEFECTIVE RELAYS WILL HAVE DATE CODES OF 085M THROUGH 195M INDICATING THEY WERE MANUFACTURED FROM THE 8<sup>TH</sup> WEEK OF 2005 THROUGH THE 19<sup>TH</sup> WEEK OF 2005. THE RELAYS IN ALL MACHINES SHOULD BE CHECKED AND ANY RELAYS FOUND WITH A DATE CODE IN THIS RANGE MUST BE REPLACED. ONLY RELAYS WITH DATE CODES ENDING IN 5M ARE DEFECTIVE.** Consult your Operator's/Parts Manual for the location of the relay on your particular machine or contact the Nordco Service Department at 1-800-445-9258 for assistance. See Figure 2 on Page 2 for a typical relay location.



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**WARRANTY:** Nordco will replace any relays with date codes from 085M through 195M under warranty until December 31, 2009. Please contact the Nordco Service Department at 1-800-445-9258 for a replacement. You will be required to provide a machine serial number and you will also be required to return the defective relay to Nordco. A return authorization number will be issued to you when your order is placed.



**Figure 1**  
Typical Electrical Interlock Relay  
12-volt 61231200  
24-volt 61231201



**Figure 2**  
Typical Electrical Interlock Button and Relay location  
(CX Hammer Shown – other machines are similar. Please check your Operator's Manual for the exact location on you machine)