

### Rear Loader CODE controls pump power circuit add relay to work in cold weather

**Date:** February 07, 2023  
**Bulletin Name:** REL-TSIB-025  
**Model:** Rear Loader  
**Model Year:** 2019 to present  
**Units Affected:** Those with CODE controls

#### Purpose:

McNeilus Truck and Manufacturing offers these instructions to help reduce the potential of over-current activity on a specific Rear Loader CODE controls circuit during cold weather. There is the potential that during cold weather, circuit 40 on CODE control Rear Loaders may over-current. An addition of a relay will allow the circuit to operate without tripping the over-current.

#### Notice:

- This bulletin should be read and understood in its entirety before performing this procedure.
- All procedures outlined in the bulletin must be performed by skilled service personnel. Refer to the product service manual for descriptions of maintenance procedures.

#### SAFETY NOTICE

Perform your company's Lockout/Tagout procedure. If your company does not have a Lockout/Tagout procedure, follow OSHA 1910.147 and 1910.146 Confined Space as appropriate.

#### SAFETY NOTICE

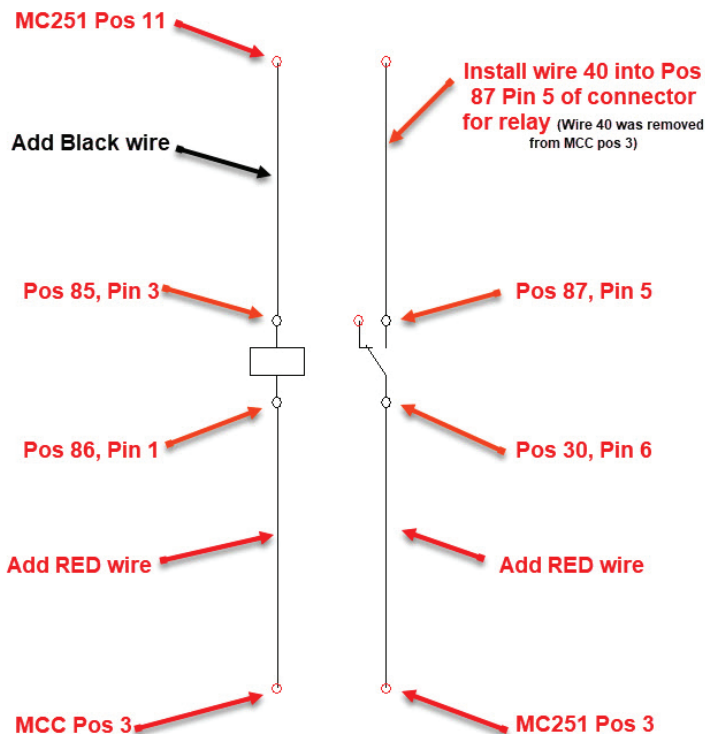
Use appropriate Personal Protective Equipment (PPE) as required by your company.

#### Parts Required:

Item	PN	Description	Qty.
1	1183142	CONN,6 SOC PLUG LOCK GRN	1
2	1183143	CONN,6 SOC PLUG	1
3	1478985	RELAY, 12V 50/30AMP W/ DT04-6P	1
4	1100166	PIN,DEUTSCH 16 CONTACT	4
5	1100713	PIN-DEUTSCH,14 & 16 GA,FEMALE	2
6	0120062	TOOL,EXTRACTION,#16,DEUTSCH	1
7	0128066	WEDGELOCK,12 PIN	1
8	6KP761	CONNECTOR,12-PIN	1
9	N/A	16 GAUGE WIRE	N/A

## Procedure:

1. Perform your company's Lockout/Tagout procedure. If your company does not have a Lockout/Tagout procedure, follow OSHA 1910.147 and 1910.146 Confined Space as appropriate. Block truck wheels and engage the service brake.
2. Open the covers to access the control modules on the street side of the body. Retain all hardware and parts.
3. Locate the MCC connector on the body control module.
  - Remove wire 40 out of MCC position 3 using the extraction tool (6 pos, PN 0120062).
  - Install wire 40 into the new connector (6 pos, PN 1183143) position 5.
4. Cut three pieces (two red wires and 1 black wire) of 16-gauge wire, each 12" long. Strip each end of the wire.
5. With the black 16-gauge wire, crimp a pin (PN 1100713) on one end and a socket (PN 1100166) on the second end.
  - Install the end with the socket into the new connector (6 pos, PN 1183143) position 3.
  - Install the end with the pin into the new connector (12 pos, PN 6KP761) position 11.
6. On to one of the red wires, install a socket (PN 1100713) onto each end.
  - Install the 1st end into connector MCC pos 3.
  - Install the second end into the new connector (6 pos., PN 1183143) position 1.
7. With the second red wire, install a socket (PN 1100713) onto one end and pin (PN 1100166) onto the second end.
  - Install the first end into the new connector (6 pos, PN 1183143) position 6.
  - Install the second end into the new connector (12 pos, PN 6KP761) position 3.
8. Install wedge lock PN 1183142 into connector PN 1183143.
9. Install wedge lock PN 0128066 into connector 6KP761.
10. Install relay PN 1478985 onto the new connector PN 1183143 and secure in the panel area.
11. Replace the cover and hardware over the control modules.
12. Remove your company's Lockout/Tagout procedure. If your company does not have a Lockout/Tagout procedure, follow OSHA 1910.147 and 1910.146 Confined Space as appropriate.



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