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Coding Information

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Title: eCE EV Bus Sealed Relay Kit

Applies To: 2022 - 8/31/24 eCE EV bus

CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

12/11/24 - Initial Article Release
6/10/2025 - Added Diode Suppressed Relay Kit Part Number and Updated Instructions.

DESCRIPTION

This document will provide component part numbers for replacing the EV bus underhood cowl relays with sealed relays.

SYMPTOMS

Faults and /or operations that are related to the EV bus underhood cowl relays which include the following:

- Global Power A Relay
- Global Power B Relay
- Cabin Heat Relay
- HVAC Relay
- Air Dryer Valve Relay

SERVICE PARTS INFORMATION

Relay Location	Relay Kit PN	Notes
Global Power A	2527102C91	Diode Suppressed
Global Power B	2527102C91	Diode Suppressed
Cabin Heat Enable	2527102C91	Diode Suppressed
HVAC Relay	2527102C91	Diode Suppressed
Air Dryer	2522071C91	Resistor Suppressed

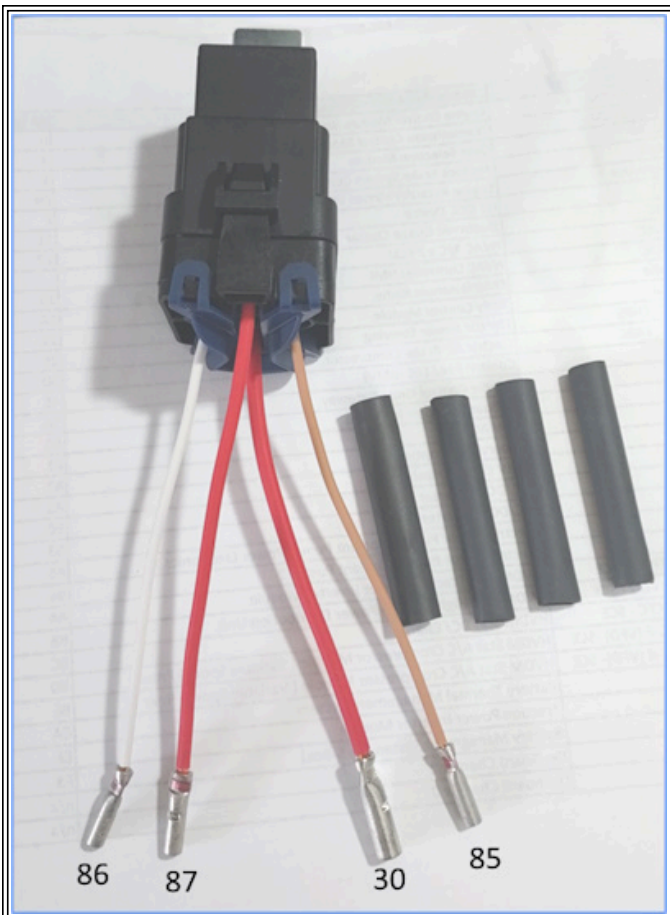


Figure 1 : Relay Kit

DIAGNOSTICS:

Relay Locations are shown in Figure 2 below.

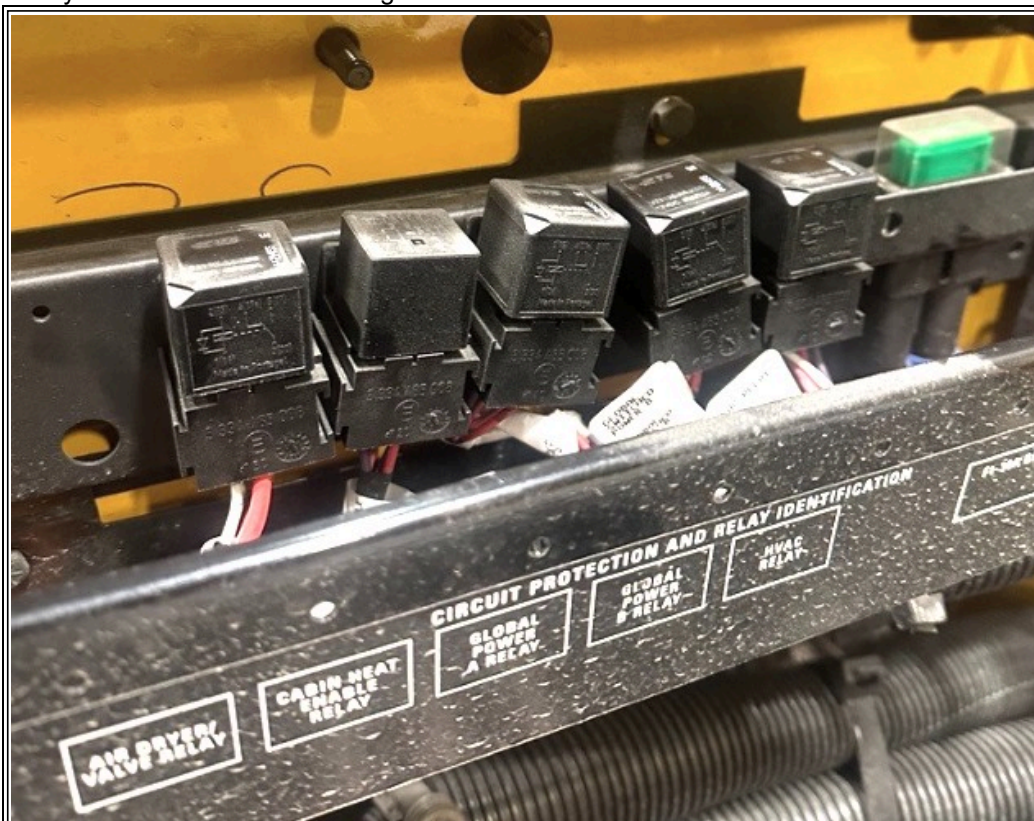


Figure 2: Underhood Cowl Relay Locations

Corrosion at the relay socket and on the relay terminals.



Figure 3: Corrsion Relay Socket and Relay Terminals

REPAIR STEPS

1. When replacing the cowl relays, the proper relay kit should be used as listed below.

Relay Terminal	85	86	30	87	Relay Type Kit Part number
Global Power A	16 VT	18 PK	18 RD	18 PK	Diode - 2527102C91
Global Power B	16 VT	18 PK	16 RD	16 PK	Diode -2527102C91
Cabin Heat Enable	16 VT	18 PK	16 RD	18 PK	Diode - 2527102C911
AC Enable	16 WH	16 VT	16 RD	16 PK	Diode - 2527102C91
Air Dryer	18 WH	18 PK	12 RD	18 GY	Resistor 2522071C91

2. Crimp and solder all connections.

3. Use the supplied heat shrink tubing to protect the connections.

4. Mount the new relay assembly in the same/ original location using the original screw

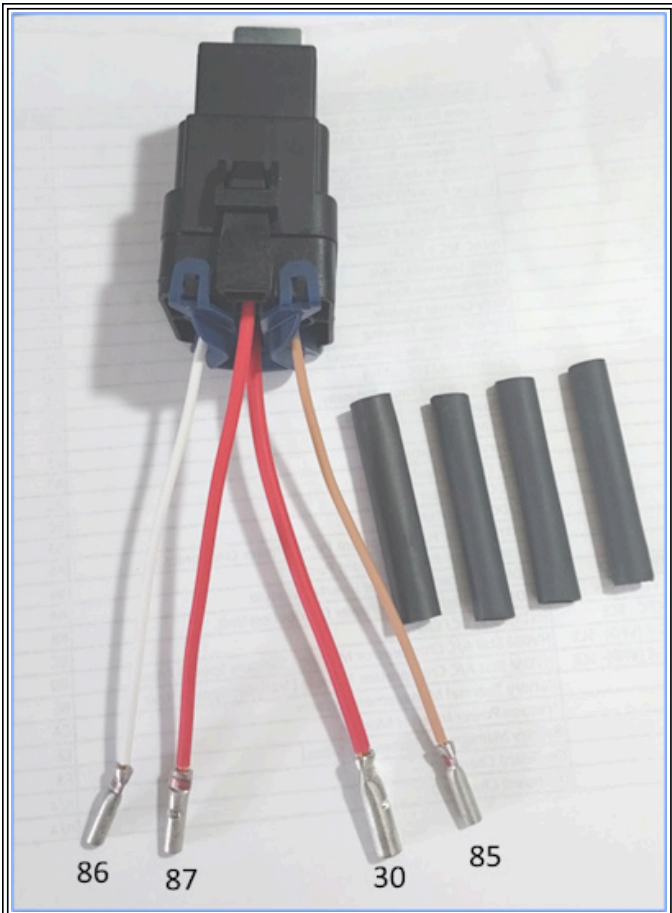


Figure 1 : Relay Kit

WARRANTY INFORMATION

Warranty Claim Coding:

Refer to the [Warranty Coding Manual](#) for Group and Noun Codes.

Standard Repair Time(s):

Refer to the [SRT Manual](#) for Repair Times

OTHER RESOURCES

[Master Service Information Site](#)

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