





ENREGISTRÉ-REGISTERED



DATE : June 1	999 SECTION : 06, Electricity
<b>EXPIRATION</b> :	June 2000
SUBJECT :	ELECTRICAL RESISTORS ADDITION ON CONDENSER RELAYS

Wb99-05

### APPLICATION

The following vehicles having a **central A/C system** are included in the present bulletin:

Model	VIN	
H3-41 and H3-45 coaches Model Year : 1997 - 1999	From 2PCH33	49X <u>V</u> 101 <u>1779</u> up to 2PCH33495 <u>X</u> 101 <u>2809</u> incl.
VIP-45 Model Year : 1997 - 1999	From 2PCV33	494 <u>V</u> 101 <u>1795</u> up to 2PCV33498 <u>X</u> 101 <u>2807</u> incl.
XL-40 coaches Model Year : 1997 - 1999	From 2PCL33	401 <u>V</u> 102 <u>6277</u> up to 2PCL33403 <u>X</u> 102 <u>6803</u> incl.
XL-45 coaches Model Year : 1999	From 2PCL33	490 <u>X</u> 102 <u>6725</u> up to 2PCL33496 <u>X</u> 102 <u>6776</u> incl.
MTH-40 bus shells Model Year : 1997 – 1999	From 2PCM33	402 <u>V</u> 102 <u>6275</u> up to 2PCM33497 <u>X</u> 102 <u>6807</u> incl.
MTH-45E bus shells Model Year : 1997 - 1999	From 2PCE33	499 <u>V</u> 102 <u>6258</u> up to 2PCE33493 <u>X</u> 102 <u>6808</u> incl.

## DESCRIPTION

On the above-mentioned vehicles, it is necessary to install a 10 ohm electrical resistor in serie with R39 or R29 relay (depending on whether its a H3 or XL serie vehicle) and a 5-ohm-resistor in serie with R40 and R41 relays. This modification will lower the relays' coil voltage and improve their life expectancy.

### MATERIAL

To modify a H3 serie vehicle, order the following parts:

Part No.	Description	Qty
064907	Electrical resistor	1
500798	Screw	4

To modify a XL serie vehicle, order the following parts:

Part No.	Description	Qty
064907	Electrical resistor	1
064923	Cable	1
062490	Heat shrinking tube	1
500798	Screw	4

**Note** : Material can be obtained through regular channels.

# PROCEDURE

**Warning:** Park vehicle safely, apply parking brake, stop engine and set battery master switch(es) to the OFF position prior to working on the vehicle.

### H3 Vehicles, From V1779 up to W2218:

- 1. Open the main power compartment (figure 1).
- Fasten the #064907 electrical resistors to the compartment electrical panel, to the right of the voltage regulator, as shown on figure 2. Using an "A" size drill bit, drill two 3/32 in (2-3 mm) diameter holes for inserting the resistors' screws.
- 3. Plug the electrical resistors in parallel between C537 connectors.

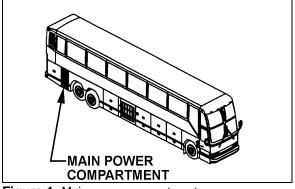


Figure 1: Main power compartment.

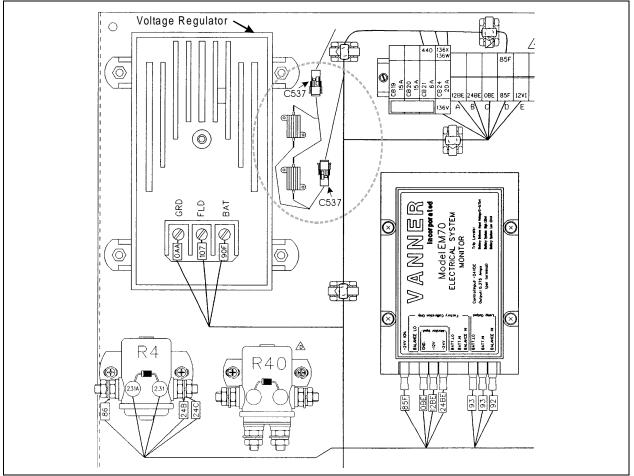


Figure 2: Main power compartment. Final aspect of connections for V1779 to W2218 Vehicles.

# H3 Vehicles, from W2219 up to X2809:

- 1. Open the main power compartment (figure 1).
- 2. Notice a free space close to the C537 connectors. This space will be used to connect two #064907 electrical resistors.
- 3. Using an "A" drill size bit, drill two 3/32 in (2-3 mm) diameter holes in order to fix the electrical resistors as shown on figure 3.
- 4. Fix the electrical resistors to the electrical panel and connect them to the C537 connectors as presented on figure 3.

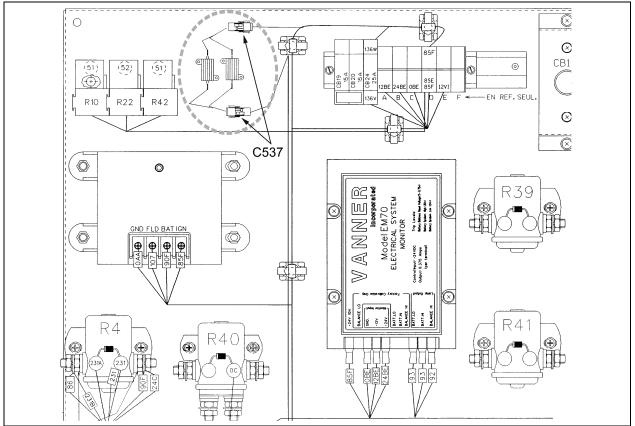


Figure 3: Main power compartment. Final aspect of connections for W2219 to X2809 vehicles.

# **XL VEHICLES**

1. Open the condenser compartment (figure 4).

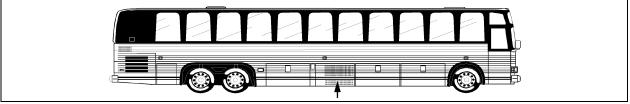


Figure 4: Typical location of condenser compartment.

- 2. Locate the A/C junction box on the right-hand side of the compartment, as shown on figure 5. Remove the lid of the box.
- 3. Remove 2D wire connected on both R40 and R41 relays (figure 6) and remove 2E wire connected to the R29 relay (figure 6). Cut the terminal of these wires and remove 1 cm (3/8 in) of their sheath.

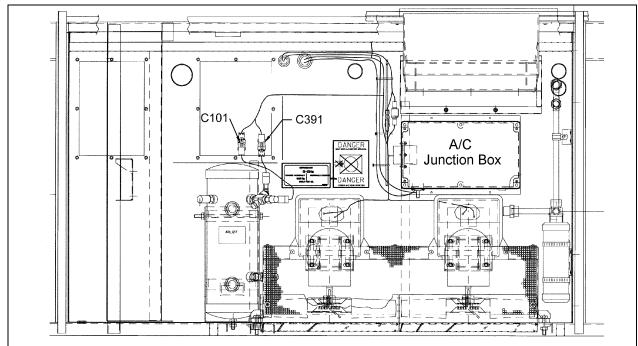


Figure 5: Condenser compartment interior. Location of the A/C junction box.

- 4. Using a heat shrinking tube, isolate the end of the 2D wire that was connected to R40 relay.
- 5. Plug wire 2D into the butt splice of the #064923 cable. Heat and shrink. Repeat for wire 2E.

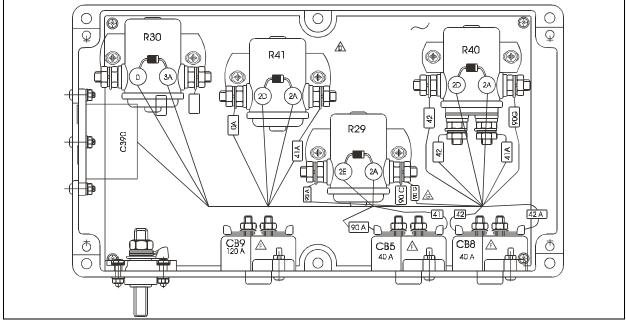
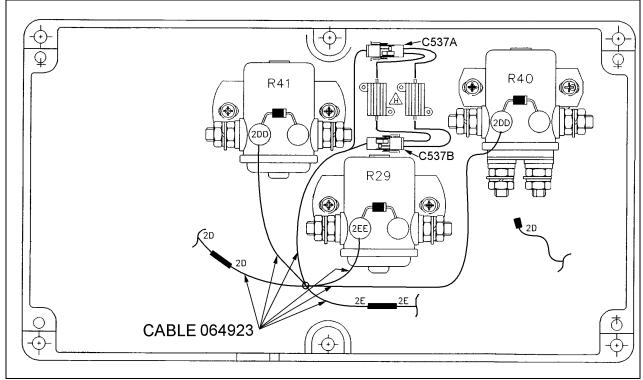


Figure 6: Initial aspect of the A/C junction box.

- 6. Plug wires 2DD pertaining to #064923 cable into R40 and R41 relays, as shown on figure 7.
- 7. Plug wire 2EE pertaining to #064923 cable into R29 relay, as shown on figure 7.
- 8. Fasten both electrical resistors above R29 relay using #500798 screws (figure 7). Plug the electrical resistors to C537 A and B connectors.



9. Replace the A/C junction box lid and close the condenser compartment.

Figure 7: Final aspect of the A/C junction box. Only new connections are shown.

## WARRANTY

This modification is covered by Prévost Car's normal warranty. We will reimburse you the parts and one half hour (H3 serie vehicles) or one hour (XL serie vehicles) of labor upon receipt of a completed A.F.A. form on which you must specify as per "Warranty Bulletin 99-05".

### Parts disposition:

- Discard according to applicable environmental regulations (Municipal/State[Prov.]/ Federal)