

# PREVOST

ENREGISTRÉ - REGISTERED  
ISO 9001 & ISO 14001

## MAINTENANCE INFORMATION Mi06-09



DATE : AUGUST 2006	SECTION : 06 - Electrical
SUBJECT : LOAD DUMPING PREVENTION ON VEHICLES EQUIPPED WITH DELCO-REMY ALTERNATOR	

### IMPORTANT NOTICE

*This modification is recommended by PrevoSt Car to increase your vehicle's performance. Note that no reimbursement will be awarded for carrying out this modification.*

### APPLICATION

Model	VIN
H3-41, H3-45 Coaches Model Year : 1997 - 1999	From 2PCH3349XV1011779 up to 2PCH3349XX1012899 incl.



### DESCRIPTION

On the above-mentioned vehicles, battery load dumping may take place if the operator places the battery master switch to the OFF position before turning the ignition switch to the OFF position. Damages to the HVAC module, ABS module or other electronic components may occur.

### PROCEDURE

#### DANGER

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

### FRONT ELECTRICAL & SERVICE COMPARTMENT

1. Locate relay R78 on the front junction panel (Refer to figure 1).
2. Remove relay R78 from junction panel, then disconnect wire 25 at the back of relay from socket number 86.
3. Cut off terminal at the end of wire 25, isolate wire with a heat shrink tubing then apply heat to shrink.

4. Locate spare wire SP11. SP11 is located in the top right corner of the service compartment by connector C3.

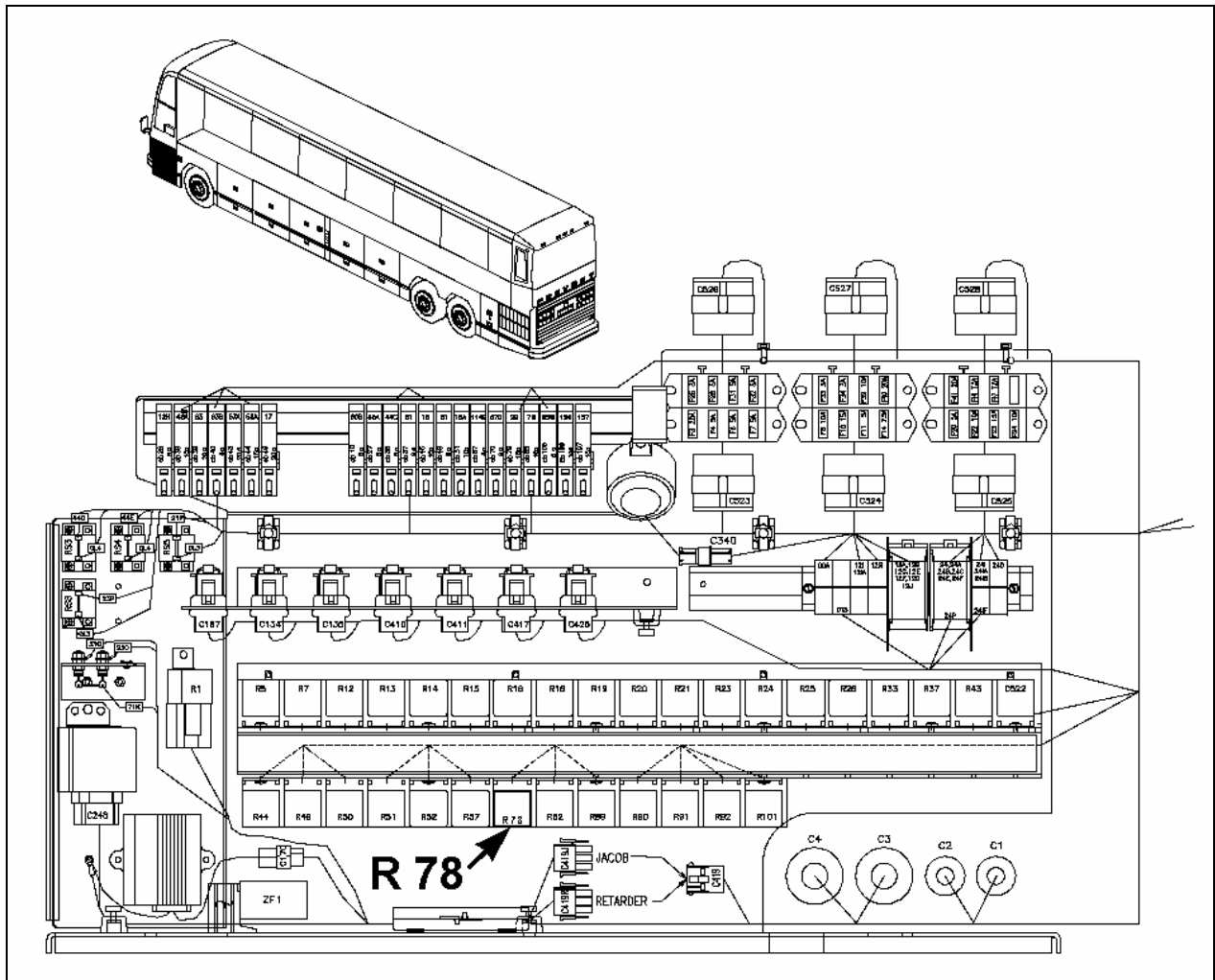


FIGURE 1: LOCATION OF RELAY R78 ON FRONT JUNCTION PANEL

5. Route a new 16 gage yellow connecting wire (560661) between spare wire SP11 and socket number 86 of relay R78.

**NOTE**

About 3 feet of wire are necessary to connect spare wire SP11 to relay R78.

6. Cut off terminal at the end of spare wire SP11. Slide a 2 inch heat shrink tubing over SP11. Strip wire SP11 and connecting wire insulation and join end to end SP11 with connecting wire using a splice clip (562228). Hand crimp to securely close the entire clip using crimpers or pliers (Refer to wiring diagrams D060902 page D & page 1.1).



**CAUTION**

Caution must be used not to cut strands.

7. Solder splice clip, slide heat shrink back over splice clip then apply heat to shrink.

8. Position connecting wire into tab receptacle terminal (561908), hand crimp terminal then solder.
9. Insert connecting wire terminal into socket number 86 of relay R78.
10. Reinstall relay R78.
11. Secure connecting wire using cable ties.

## REAR ELECTRICAL COMPARTMENT

1. Locate relay R100 on the rear junction panel (Refer to figure 2).

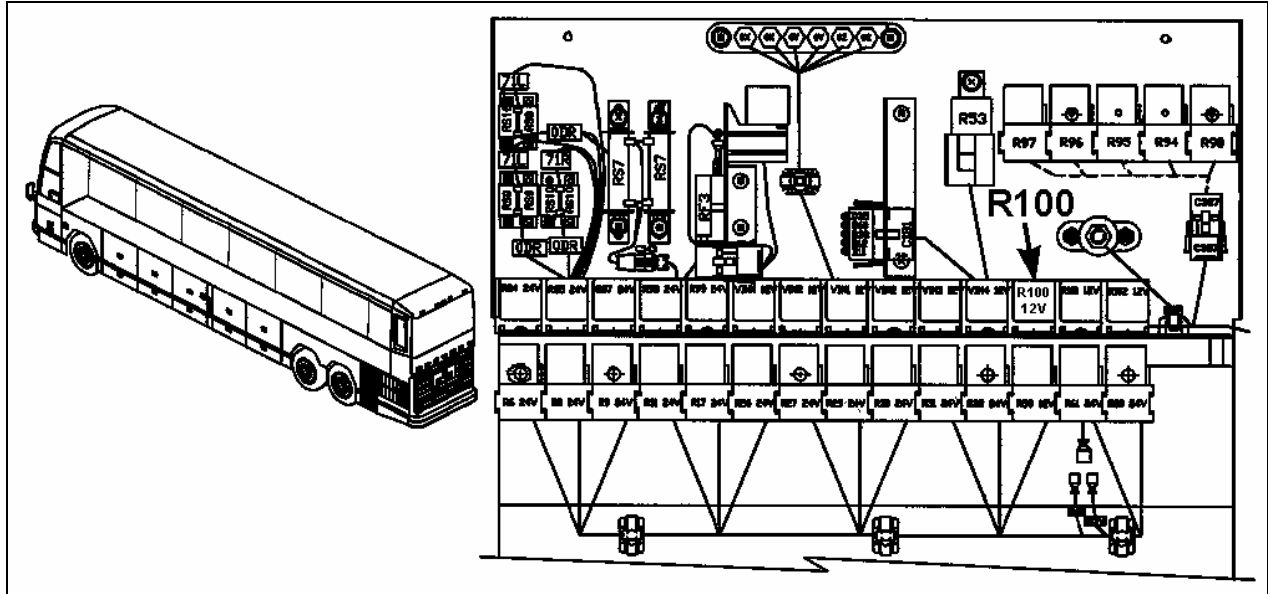


FIGURE 2: LOCATION OF RELAY R100 ON REAR JUNCTION PANEL

2. Remove relay R100 from junction panel, then disconnect wire 25 A at the back of relay from socket number 86.
3. Locate spare wire SP11. SP11 is located in the top left corner of junction panel by connector C20.
4. Route a new 16 gage yellow connecting wire (560661) between spare wire SP11 and relay R100.

### NOTE

About 2 feet of wire are necessary to connect spare wire SP11 to relay R100.

5. Cut off terminal at the end of spare wire SP11. Slide a 2 inch heat shrink tubing over SP11. Strip wire SP11 and connecting wire insulation and join end to end SP11 with connecting wire using a splice clip (562228). Hand crimp to securely close the entire clip using crimpers or pliers.



### CAUTION

Caution must be used not to cut strands.

6. Solder splice clip, slide heat shrink back over splice clip then apply heat to shrink.

7. Cut wire 25A about 3 inches from terminal end, strip connecting wire insulation and also wire 25 A insulation at both ends. Slide a 2-inch heat shrink tubing over the 3-inch long piece of wire 25A equipped with terminal end. Insert connecting wire linked with the existing wire 25 A into a splice clip (562228), hand crimp clip; insert the other end of wire 25 A into the splice clip and hand crimp. Solder splice clip, slide heat shrink back over splice clip then apply heat to shrink (Refer to wiring diagrams D060902 page D & page 4.1).
8. Reinsert wire 25 A terminal into socket number 86 of relay R100.
9. Reinstall relay R100.
10. Secure connecting wire using cable ties.

#### **VERIFICATION**

- Start the engine then turn the ignition OFF while having a finger on relay R78.
- You should hear (or feel) a click 2 or 3 seconds after the engine stops.

#### **INSTALLATION OF A CAPACITOR ON DELCO REMY 50VR VOLTAGE REGULATOR**

<i><b>IMPORTANT NOTE</b></i>
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<i>If the procedure described in Maintenance Information MI06-04 has not been done yet, it should be performed at the same time than this Maintenance Information.</i>
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Refer to Maintenance Information MI06-04 for the complete procedure.

#### **Parts / Waste disposal:**

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