

**PREVOST**

ENREGISTRÉ - REGISTERED  
ISO 9001 & ISO 14001

**MAINTENANCE  
INFORMATION**

Mi04-14C




DATE : September 2004	SECTION : 22 - HVAC
SUBJECT : INTRODUCTION OF A NEW HVAC CONTROL UNIT FOR CENTRAL A/C SYSTEM	

REVISION : C

Point 4 added.

**Notice:** This publication is distributed to inform about the new HVAC control unit (#871373) that will be introduced soon. Its functioning is different from the control unit in service.

**APPLICATION**

Model	VIN
H3-41, H3-45 Coach VIP Motorhome Model Year : 2005	 <p>Starting with 5-0050 (H3-45)</p>
XLII-45 Coach XLII-40, XLII-45 Motorhome XLII-45 Entertainer Model Year : 2005	<p>Starting with 5-8488 (W5)</p>

**DESCRIPTION**

Introduction of a new HVAC control unit on all vehicles equipped with the central A/C system. Item #871373 (DASH HVAC CONTROL 2004 FULL AIR) replaces #871214. See Engineering Change Notice 2004041.

## DIFFERENCE BETWEEN THE NEW AND THE LATER MODEL

1. The driver's HVAC section turns on automatically upon starting of the engine and uses the settings that were kept in memory before turning off of the system.
2. The A/C compressor button is eliminated. The A/C compressor starts automatically when the two following conditions are satisfied:
  - The outside temperature is above 30°F (-1°C).
  - The passenger's area temperature has reached 7°F (4°C) under the set point.

<i>NOTE</i>
Upon starting, if the outside temperature is above 30°F (-1°C) and then drops below 30°F (-1°C), the compressor will keep running up to a temperature of 15°F (-9°C) to prevent condensation from forming on the windows.

3. Passenger's section temperature setting. The temperature displayed on the passenger's side HVAC control unit is the actual temperature in the passenger's area. To increase or decrease the temperature set point in the passenger's area, press on the "+" or the "-" sign. Pressing these buttons will display the flashing set point.
4. Upon starting of the vehicle, when the ambient temperature is very cold and so is the inside of the vehicle, the HVAC control unit will permit a temperature overshoot up to 7°F (5°C) over the passenger's area set point to help warming up of the area because some parts of the vehicle like the seats and the overhead compartments accumulate cold.
5. Communication problems with the exterior temperature probe are solved by software.
6. The Siemens micro-processor is discontinued. Because of that, the continuity check function, automatically performed at HVAC system start-up is not available anymore.
7. The "Troubleshooting Mode" is eliminated. The high pressure indicator A/C HI PRESS always remains active. The low pressure indicator A/C LO PRESS is active when temperature is above 40°F (4°C).
8. Defroster fan speed 1 & 2 are not available when the outside temperature is below 37°F (3°C).

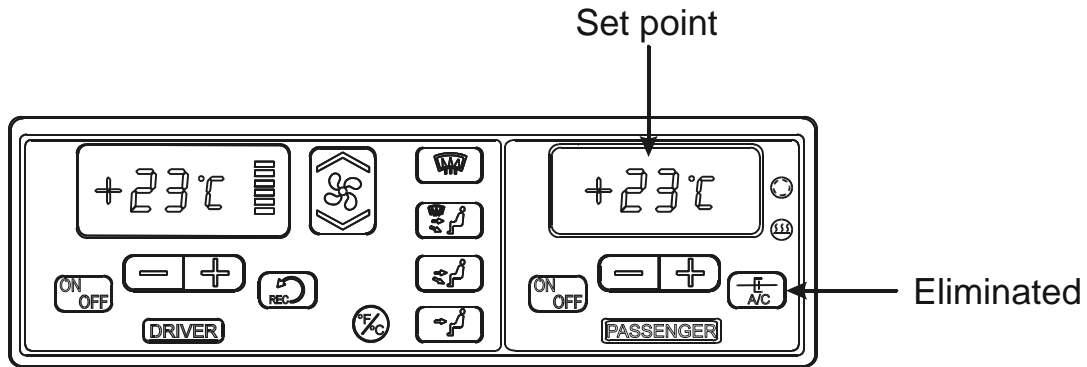


Figure 1: EXISTING HVAC CONTROL UNIT #871214

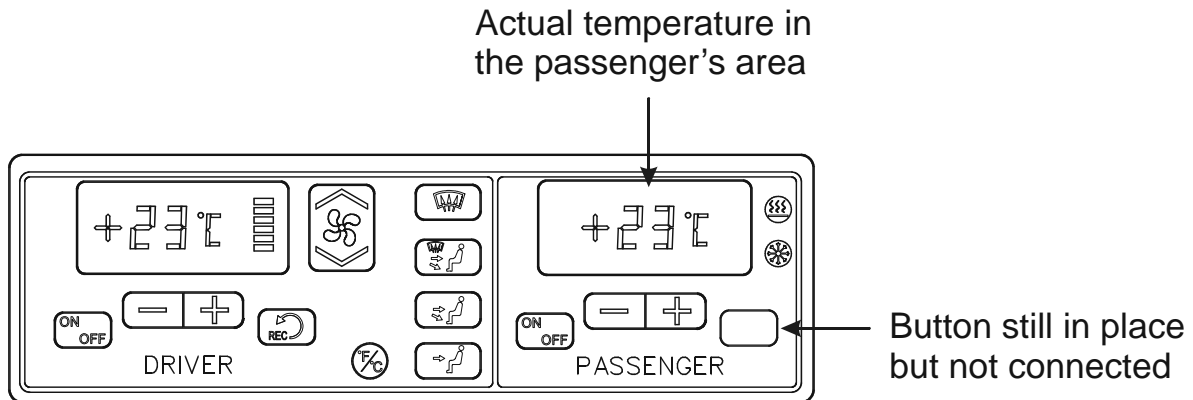


Figure 2: NEW HVAC CONTROL UNIT #871373