

WARRANTY BULLETIN

Wb00-34A

EN REGISTRÉ - REGISTERED
ISO 9001 & ISO



PREVOST

DATE : DECEMBER 2000	SECTION :	22 - HVAC
EXPIRATION: DECEMBER 2001		
SUBJECT HVAC MODULE AND TEMPERATURE SENSOR REPLACEMENT		

REVISION : A

Step 9 corrected in instructions for XLII series vehicles

APPLICATION

Model	VIN
H3-41 & H3-45 Coach Model Year : 1998 - 2000	 Vehicle <u>2PCH33494W1012234</u> And from <u>2PCH3349XW1012285</u> up to <u>2PCH33498Y1013891</u> incl. except <u>2PCH33494X1012722</u>
H3-45 VIP Bus Shell with central HVAC system Model Year : 1998 - 2000	From <u>2PCV33497W1012294</u> up to <u>2PCV33496Y1013889</u> incl.
XLII-45 Coach Model Year : 2000 - 2001	From <u>2PCX33495Y1026951</u> up to <u>2PCX3349911027493</u> incl.
XLII-45 Bus Shell with central HVAC system Model Year : 2000 - 2001	From <u>2PCW33498Y1026924</u> up to <u>2PCY3349X11027491</u> incl.

DESCRIPTION

In order to improve the HVAC system, it is necessary to replace the HVAC module and the temperature sensor.

MATERIAL

H3 series vehicles ; 2PCH33494W1012234 and from 2PCH3349XW1012285 up to 2PCV33496X1012904, order the following parts :

Part No.	Description	Qty
871139	Mobile Climate fan controller	1
871196	HVAC module and temperature sensor replacement kit	1
#871195	HVAC module	1
#065300	Interface harness, (connected to module)	1
#563063	Temperature sensor	1
#373792	Sensor holder	1
#373793	Adapter	1
#500638	Screw	4
#504637	Nylon tie	4
#373802	Hose 920mm (36")	1

H3 series vehicles ; from 2PCH33491X1012905, order kit #871196 that includes the following parts :

Part No.	Description	Qty
871195	HVAC module	1
065300	Interface harness, (connected to module)	1
563063	Temperature sensor	1
373792	Sensor holder	1
373793	Adapter	1
500638	Screw	4
504637	Nylon tie	4
373802	Hose 920mm (36")	1

XLII series vehicles ; order kit #871201 that includes the following parts :

Part No.	Description	Qty
871214	HVAC module	1
065302	Cable, Temperature sensor extension	1
065328	Harness, identified 12LX	1
563063	Temperature sensor	1
373792	Sensor holder	1
373793	Adapter	1
500638	Screw	4
504637	Nylon tie	4
373802	Hose 920mm (36")	1

Note : Material can be obtained through regular channels.

H3 SERIES VEHICLES

PART A

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.

1. Remove the dashboard cover (figure 1).

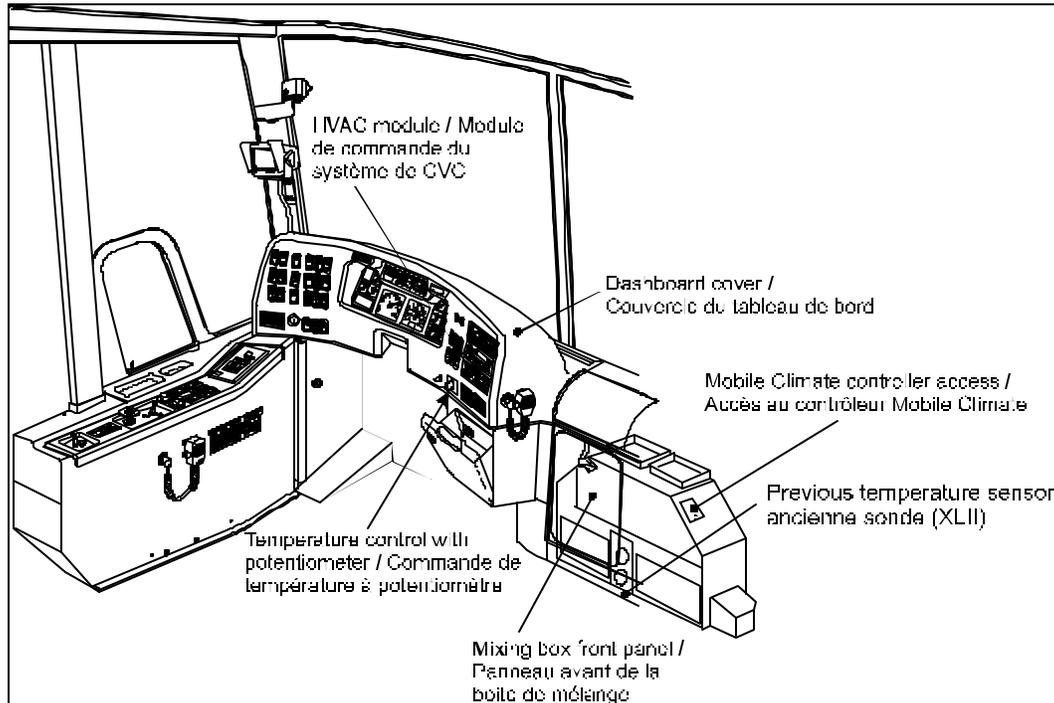


FIGURE 1

22208

2. Remove the access panel to the air mixing box (figure 1).
3. Remove the air mixing box front panel (figure 1).
4. Drill a 1" (25mm) diameter hole in the upper left corner of the air mixing box front panel. Apply silicone on the back of adapter #373793 and fix with two screws #500638. See figure 2 for proper positioning.
5. Reinstall the air mixing box front panel.
6. Drill two 1/8" diameter holes and fix sensor holder #373792 under the dashboard with two screws #500638. See figure 3 for proper positioning.
7. Follow windshield wiper lever rod and route hose #373802 from the adapter to the sensor holder, passing behind the utility drawers. Plug the hose to both the adapter and the sensor holder.

Note : Make sure that the hose is not in contact with wiper driving mechanism.

8. Insert temperature sensor #563063 into holder and fix using two screws (figure 3).
9. Among the dashboard wiring, locate and unplug connector C474 from the actual temperature sensor and route it down to C474 of the new temperature sensor #563063. Remove previous temperature sensor located inside driver's defrost outlets and secured with a screw. Using nylon ties, secure the new sensor wire on the hose.
10. Unplug connector C539, C540 & C140 from actual HVAC module, remove the module and replace it with the new module #871195 (H3).

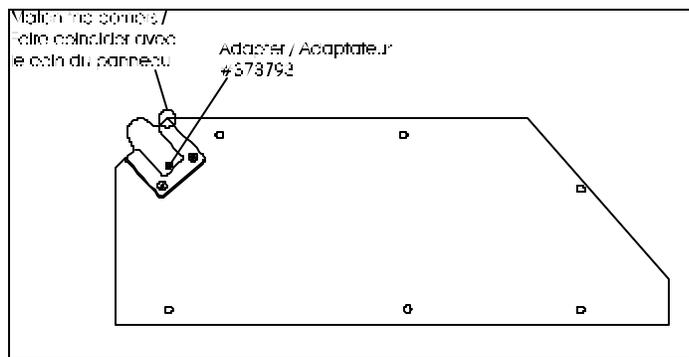


FIGURE 2 : AIR MIXING BOX FRONT PANEL

22204

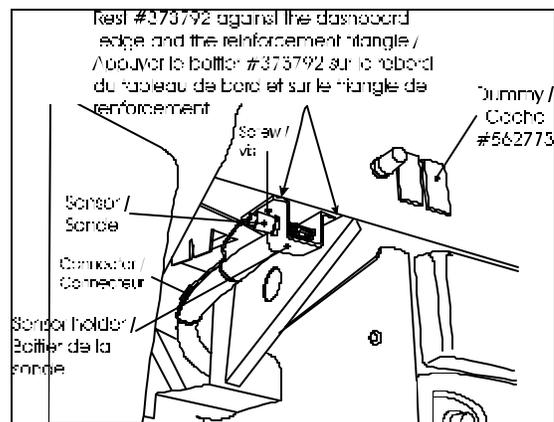
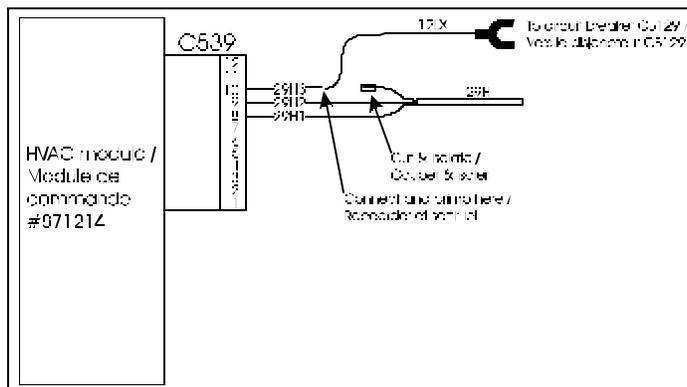


FIGURE 3: VIEW FROM UNDER THE DASHBOARD

22205

11. Plug connectors C539 & C540 of vehicle harness to connectors C539A & C540A of the interface harness. Also, plug connector C140 directly into HVAC module.
12. For H3 series vehicle W2234 only and vehicles included between W2285 and X2904, replace Mobile Climate fan controller with the new Mobile Climate fan controller #871139. Refer to figure 1 for location of the Mobile Climate fan controller.
13. If the defrost temperature on your vehicle is adjusted with a potentiometer (see figure 1 for identification), go directly to part B.
14. Proceed to the testing of the system. If the fan is only running at maximum speed and cannot be adjusted with the HVAC module, the Mobile Climate fan controller must be replaced with Mobile Climate #871139, see step 12 above.
15. Reinstall the dashboard cover and the air mixing box access panel.



2. Unplug connector CT1 and remove the potentiometer. Replace the potentiometer with two rocker switch dummies #562773 as shown in figure 3.
3. Locate wire 45 (red) from harness #065123 (figure 5) and unplug its connector. Plug coolant valve control wire 45G to wire 45G that has been left after installation of the potentiometer control system.
4. In the front electric and service compartment, remove wire 85A from the screw terminal of circuit breaker CB29 and remove wire 0 from the ground stud in the upper left corner of the compartment.
5. Remove harness #065123.
6. Proceed to the testing of the system. If the fan is only running at maximum speed and cannot be adjust with the HVAC module, the Mobile Climate fan controller must be replace with Mobile Climate #871139, see step 12 in part A.
7. Reinstall the dashboard cover and the air mixing box access panel.

XLII SERIES VEHICLES

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.

1. Remove the access panel to the air mixing box (figure 1).
2. Remove the air mixing box front panel (figure 1).
3. Drill a 1" (25mm) diameter hole in the upper left corner of the air mixing box front panel. Apply silicone on the back of adapter #373793 and fix with two screws #500638. See figure 2 for proper positioning.
4. Reinstall the air mixing box front panel.
5. Drill two 1/8" diameter holes and fix sensor holder #373792 under the dashboard with two screws #500638. See figure 3 for proper positioning.
6. Connect #065302 extension cable between temperature sensor and C474 of previous sensor. Route hose #373802 from the adapter to the sensor holder, passing behind the utility drawers. Plug the hose to both the adapter and the sensor holder.

Note : Make sure that the hose is not in contact with wiper driving mechanism.

7. Insert temperature sensor #563063 into holder and fix using two screws (figure 3).
8. Unplug connector C539, C540 & C140 from present HVAC module, remove the module and replace it with the new module #871214 (XLII).
9. Plug connectors C539, C540 and C140 to new HVAC module.
10. In front electric and service compartment, connect harness #065328 (identified 12LX) to upper screw terminal of circuit breaker CB129 and route up to the back part of the dashboard (figure 4).
11. Locate and cut wire 29H coming from pin 10 of connector C539. Connect and crimp to wire 12LX. Isolate the other extremity of 29H with electric tape or a heat-shrinking sleeve (figure 4).
12. Proceed to the testing of the system. If the fan is only running at maximum speed and cannot be adjusted with the HVAC module, the Mobile Climate fan controller must be replaced with Mobile Climate #871139, see step 12 of part A.
13. Reinstall the dashboard cover and the air mixing box access panel.

WARRANTY

This modification is covered by Prévost Car's normal warranty. We will reimburse you the parts and 1 ¼ hour (1.25) of labor upon receipt of the replaced parts and a completed A.F.A. form on which you must specify as per "Warranty Bulletin 00-34".

Parts / Waste disposal:

Return replaced parts to Prévost Car with A.F.A. for full reimbursement.