



PREVOST

**SAFETY
RECALL**

Sr00-14

ENREGISTRÉ - REGISTERED
ISO 9001 & ISO 14001



DATE : May 2000	SECTION : 14 - steering
SUBJECT : HOLDING PLATE ON STEERING COLUMN	

APPLICATION

Model	VIN
<p>H3-41 and H3-45 Coaches H3-45 VIP Bus Shells</p> <p>Model Year: 1999 - 2000</p>	<div style="text-align: center;">  </div> <p>From 2PCH33494X1013160 up to 2PCH33495X1013264 incl.</p> <p style="text-align: center;">AND</p> <p>2PCH33490X1013267 2PCH33498Y1013468 2PCV33495X1013297 2PCH3349XY1013486 2PCH33491Y1013456</p> <p style="text-align: center;">AND</p> <p>From 2PCH33491Y1013487 up to 2PCH33495Y1013590 incl.</p> <p style="text-align: center;">AND</p> <p>2PCH33490Y1013612 2PCH33499Y1013768 2PCH33492Y1013627 2PCV33497Y1013769 2PCV33496Y1013634 2PCH33490Y1013772 2PCV33497Y1013643 2PCH33492Y1013773 2PCV33493Y1013655 2PCV33492Y1013775 2PCV33495Y1013673 2PCH33498Y1013776 2PCV33490Y1013676 2PCH3349XY1013777 2PCV33496Y1013679 2PCH33493Y1013779 2PCV33490Y1013709 2PCV33498Y1013781 2PCH33495Y1013735 2PCH33499Y1013785 2PCH33498Y1013762 2PCH33490Y1013786 2PCH33491Y1013764 2PCH33492Y1013787 2PCH33493Y1013765 2PCH33494Y1013788 2PCV33491Y1013766</p>

DESCRIPTION

Some of the vehicles listed above are fitted with a steering column adjustment plate. On those vehicles, the bolts fastening the steering column to the adjustment plate have failed in tests, leading to believe that they could fail in service. If all four bolts were to fail, the steering column would become loose in the driver's hands. This could lead to loss of vehicle control.

Carry out Part A of this bulletin first to determine if your vehicle has an adjustment plate. If so, follow the instructions in Part B of this bulletin to replace the adjustment plate. A new plate design with individually tested fastening bolts is available for immediate installation.

MATERIAL

Part No.	Description	Qty
214516	Adjustment plate	1

Note : Material can be obtained through regular channels.

PROCEDURE

PART A

1. Remove the lower covers below the steering column and check if the column has an adjustment plate.
2. If there is an adjustment plate (3, figure 1), perform part B of this bulletin.
3. If there is no adjustment plate, complete part A of the Safety Recall Certification Sheet and return it with a completed A.F.A. as explained under paragraph **Warranty**.

PART B

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. Disconnect the ECU, ECM and ABS electronic modules. The ABS module is located on the driver's side in the first baggage compartment.
2. Remove the cover and trim pieces covering the steering column;
3. **Mark the shaft and universal joint** so as to reassemble in the same position;
4. then detach the steering shaft at the universal joint by loosening the upper or lower bolt;
5. Remove the four nuts holding the steering column in place. Have someone support the column when removing the last nuts;
6. Lift out the column assembly then push the column and attached wires over to the side. Retract the telescopic shaft and cover the column and surrounding components with a fire-resistant blanket;
7. Cover the electrical connectors before grinding to prevent metal filings from entering;
8. Using a grinder, remove the welds around the existent plate. Remove the plate and buff the residual welds even with the plate;

Important: Prevoست needs the old plate to perform tests in its laboratories. The return of the old plate to Prevoست is a requirement for warranty reimbursement.

9. Install the steering column over the existent studs. Note if it aligns too much to the right or to the left of the recess in the dashboard. Remove and cover the steering column with the blanket;
10. If the steering wheel is too much to the right, cut and grind off the right top and bottom studs on the column attachment plate. If the steering column is too much to the left, cut and grind down the left top and bottom studs;
11. Place the adjustment plate over the remaining two studs;
12. Weld the adjustment plate in place in accordance with figure 1 and with the following procedure:

STEEL - STEEL WELDING

Caution: Make sure the electronic control modules (ECM, ECU, ABS) and the battery master switch have been disconnected before welding.

Warning: Surfaces must be free of carbon deposits, slag, rust, paint, grease, humidity or any other foreign substance. Welding could be impossible or much weakened if done in such conditions.

Warning: Welding must be done only by a qualified and experienced person.

- FCAW (Flux Core Arc Welding) Process;
- Welding wire conforms to AWS (American Welding Standards) A5.20 specifications;
- E4801T-9-CH, E71T-1 or E71T-9 type welding wire with 0.045 in diameter (0.11 mm);
- Current: 260 amperes;
- Voltage: 26 ± 1 volts;
- Wire speed: 430 in./min. (approx.);
- Feed speed: 12 in./min.
- Shielding gas: 75% argon - 25% CO₂ or 100% CO₂.

As an alternate choice, it is possible to use a GMAW process, in accordance with the following specifications:

- GMAW (Gas Metal Arc Welding) process;
- Welding wire conforms to AWS (American Welding Standards) A5.18 specifications;
- ER70-5-6 type welding wire with 0.035 in. diameter (0.9 mm);
- Voltage: 18 volts to 22 volts;
- Current: 50 amperes to 200 amperes;
- Shielding gas: 75% argon - 25% CO₂ or 100% CO₂.

If necessary, taking great precautions to avoid perforating the material, it is possible, though not recommended, to use a conventional electric arc welding machine, in accordance with the following specifications:

- SMAW (Shield Metal Arc Welding) process;
- welding rod conforms to AWS (American Welding Standards) A5.1 specifications;
- E 7018 type welding rod with 3/32 in. diameter (2.4 mm);
- current: flat - 50 amperes to 100 amperes (optimised at 85 amperes)
up - 50 amperes to 100 amperes (optimised at 85 amperes)

13. Insert the shaft back in the universal joint. Be careful to place it in the same position as before removal;
14. Reinstall the steering column using the existent nuts. Tighten the nuts to 17 lbf-ft (23 Nm);
15. Tighten the bolt on the universal joint on the steering column to 37 lbf-ft (50 Nm);
16. Reinstall the plastic covers around the steering column;
17. Connect the ECU, ECM and ABS modules.

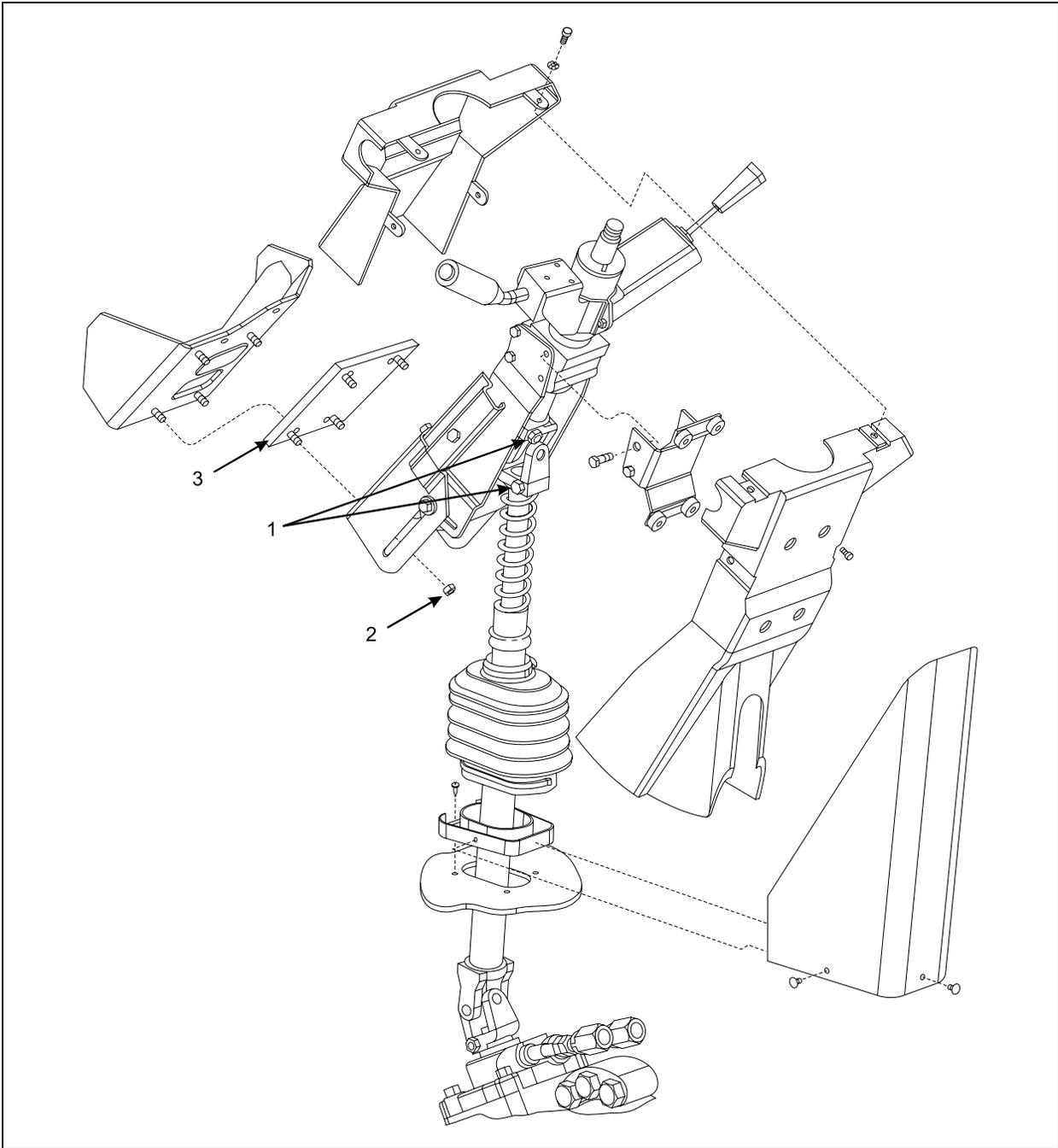


FIGURE 1: EXPLODED VIEW OF THE STEERING COLUMN AND RELATED COMPONENTS

14046

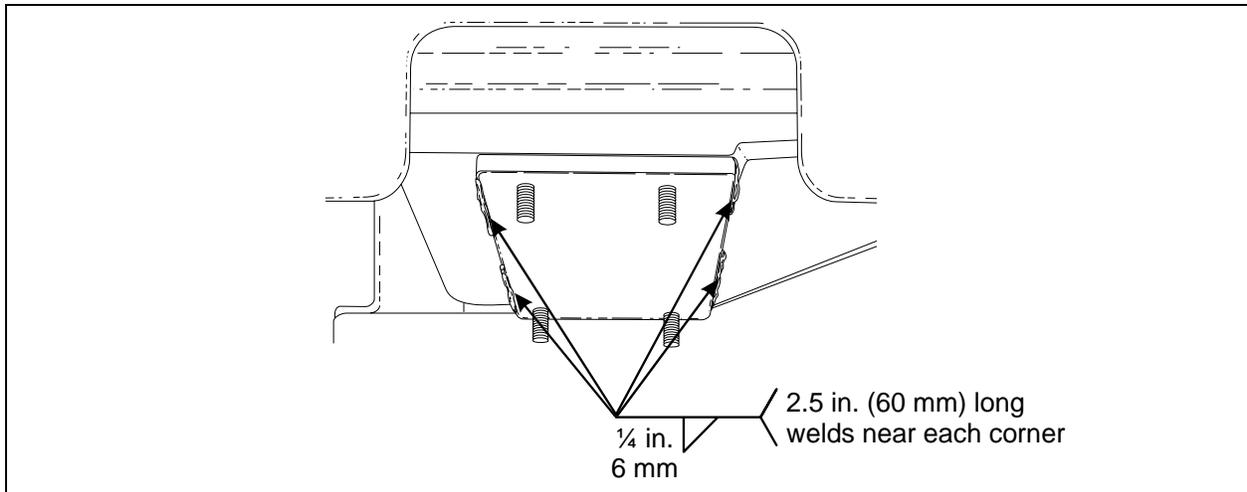


FIGURE 2: INSTALLATION OF THE ADJUSTMENT PLATE TO THE VEHICLE FRAME

14047

WARRANTY (PART A)

This modification is covered by Prevost Car's normal warranty. We will reimburse you one quarter hour (0.25) of labor upon receipt of a completed A.F.A. form on which you must specify as per "Safety Recall 00-14, PART A". **You must also fill the "Safety Recall Certification Sheet" provided with this bulletin and return it with your A.F.A. form to be reimbursed.**

WARRANTY (PART B)

This modification is covered by Prevost Car's normal warranty. We will reimburse you the parts and three hours (3.0) of labor upon receipt of the replaced adjustment plate and a completed A.F.A. form on which you must specify as per "Safety Recall 00-14, PART B". **You must also fill the "Safety Recall Certification Sheet" provided with this bulletin and return it with your A.F.A. form to be reimbursed.**

Parts disposition :

- Return to Prévost Car with A.F.A. for full reimbursement.



PREVOST

**Safety Recall
Certification Sheet
(Ref: Sr00-14)**

ENREGISTRÉ - REGISTERED
ISO 9001 & ISO 14001



SERIAL NUMBER: _____

PERFORMED BY		OWNER/OPERATOR	
We hereby certify that Safety Recall Instructions with regards to Safety Recall #00-14 have been performed.			
Sr00-14, Part A: YES <input type="checkbox"/>			
Sr00-14, Part B: YES <input type="checkbox"/> NO <input type="checkbox"/>			
Name: _____		Name: _____	
Add: _____		Add: _____	
Phone: _____		Phone: _____	
Fax: _____		Fax: _____	
Signature :	_____	Signature :	_____
Date:	_____	Date:	_____

If the information mentioned above is incorrect or you are not the owner of this vehicle anymore, please fill up this section and return to sender..

NEW OWNER: _____

BUSINESS: _____

ADDRESS: _____

TELEPHONE: _____ **FAX:** _____

**Please return this completed document with your
A.F.A. form**