



PREVOST

SAFETY RECALL

Sr99-21B

ENREGISTRÉ - REGISTERED
ISO 9001 & ISO 14001



DATE: June 1999	SECTION: 12
SUBJECT: PNEUMATIC BRAKE LINE INSPECTION	

REVISION: B

SOME VEHICLES WERE ADDED TO THE LIST IN PART ONE, TWO, THREE AND FOUR

DESCRIPTION

On the vehicles mentioned in each part of this bulletin, heater hoses may have been installed in place of pneumatic brake line hoses. Heater hoses are not appropriate for use as brake lines because the operating pressure of the braking system is much higher than that of the heating system. This may result in sudden brake line failure.

For this campaign, you must inspect brake air lines identified in the part of this bulletin that concerns your vehicle, using the tips explained below.

Use the following tips to distinguish brake line hoses from heater hoses:

Both types of hoses are very much alike:




- They both have the same outer diameter (16 mm or 5/8 in.).
- They are both made of black rubber.

However, they have distinct characteristics that make them easy to tell apart:

- Brake hoses have about twice the wall thickness of heater hoses so they are almost impossible to squeeze by hand. Heater hoses “give” much more, and can be kinked by hand. Before inspecting, be sure the hoses are not pressurized.
- Brake hoses have white lettering that may differ from one hose to the next, but by law, they must be marked “DOT” and have an “SAE” code written on them, so look for these dead giveaway signs. Example: “PARKER/S 273-8 AIR BRAKE DOT 73002 01/15/99 A ½ SP All SAE J1402 WP 225 PSI”, you have “DOT” and “SAE” . There is also a white line filling the space between sections of text.
- Some heater hoses have no markings at all or may only have a date code. Others sometimes have white lettering saying “16 mm 5/8 IN. HEATER HOSE MADE IN CANADA” and/or a date code, but they don’t have a white line between text sections.

PART ONE

APPLICATION

Model	VIN				
H3-41 and H3-45 Coaches Model Year : 1999	2PCH33490X1012975	2PCH33497X1013024	2PCH33490X1013091	2PCH33498X1013095	
	2PCH33496X1012981	2PCH3341XX1013027	2PCH33498X1013095	2PCH33491X1013097	
	2PCH33491X1012984	2PCH33413X1013032	2PCH33491X1013097	2PCH33495X1013099	
	2PCH33493X1012985	2PCH33417X1013034	2PCH33495X1013099	2PCH33499X1013106	
	2PCH33499X1012988	2PCH33491X1013035	2PCH33499X1013106	2PCH33490X1013107	
	2PCH33490X1012992	2PCH33497X1013038	2PCH33490X1013107	2PCH33491X1013116	
	2PCH33492X1012993	2PCH33416X1013042	2PCH33497X1013116	2PCH33497X1013119	
	2PCH33498X1012996	2PCH33492X1013075	2PCH33497X1013119	2PCH33495X1013121	
	2PCH33498X1013002	2PCH33498X1013078	2PCH33495X1013121	2PCH33497X1013122	
	2PCH33497X1013010	2PCH33496X1013080	2PCH33497X1013122	2PCH33490X1013124	
	2PCH3349XX1013017	2PCH33499X1013087	2PCH33490X1013124	2PCH3349XX1013129	
	2PCH33491X1013018	2PCH33499X1013090	2PCH33499XX1013129	2PCH33493X1013134	
	H3-45 VIP Bus Shells WITHOUT INDEPENDENT SUSPENSION Model Year: 1999	2PCV33495X1013011	2PCV33495X1013025		
		2PCV33491X1013037	2PCV33493X1013041		
2PCV33493X1013055		2PCV33491X1013071			

MATERIAL

Note: Order only the necessary replacement part(s) after inspecting the vehicle. Return the used parts for reimbursement.

Part No.	Description	Qty
141803	Brake line air hose assy. #8, 16 mm dia., 980 mm long	As required
141804	Brake line air hose assy. #8, 16 mm dia., 895 mm long	As required
141811	Brake line air hose assy. #8, 16 mm dia., 1113 mm long	As required
141812	Brake line air hose assy. #8, 16 mm dia., 1012 mm long	As required

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.


1. Park the vehicle over a repair pit or raise as per Maintenance Manual, Section 18 "VEHICLE JACKING POINTS".
2. Apply parking brake to deplete air from the brake line hoses. Do not apply service brakes for the same reason.
3. Using the tips provided on the first page of this publication, inspect brake line hoses identified on the pneumatic diagram appropriate for your vehicle as #12 (part #141804), #43 (two locations) (part #141812), #47 (part #141803), #87 (part #141812) and #104 (part #141811). Refer to diagrams D140219, D140220 or D14252, attached at the end of this publication.

Warning: Upon finding improper brake line hose(s), DO NOT DRIVE the vehicle before replacing with proper hose(s).

4. Replace the improper hose(s) with proper brake line hose(s).

PART TWO

APPLICATION

Model	VIN	
H3-45 VIP Bus Shells WITH INDEPENDENT SUSPENSION Model Year : 1999	2PCV33491X1012986	2PCV33498X1013052
	2PCV33495X1012991	2PCV33499X1013061
	2PCV33490X1012994	2PCV33497X1013074
	2PCV33490X1013000	2PCV33493X1013086
	2PCV3349XX1013005	2PCV33499X1013089
	2PCV33494X1013016	2PCV33490X1013093
	2PCV3349XX1013019	2PCV33491X1013104
	2PCV3349XX1013022	2PCV33499X1013111
	2PCV33494X1013033	2PCV33492X1013127
	2PCV33499X1013044	

MATERIAL

Note: Order only the necessary replacement part(s) after inspecting the vehicle. Return the used parts for reimbursement.

Part No.	Description	Qty
141803	Brake line air hose assy. #8, 16 mm dia., 980 mm long	As required
141804	Brake line air hose assy. #8, 16 mm dia., 895 mm long	As required
141812	Brake line air hose assy. #8, 16 mm dia., 1012 mm long	As required
141836	Brake line air hose assy. #8, 16 mm dia., 864 mm long	As required

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.


1. Park the vehicle over a repair pit or raise as per Maintenance Manual, Section 18 "VEHICLE JACKING POINTS".
2. Apply parking brake to deplete air from the brake line hoses. Do not apply service brakes for the same reason.
3. Using the tips provided on the first page of this publication, inspect brake line hoses identified on the pneumatic diagram appropriate for your vehicle as #87 (two locations) (part #141836), 12 (part #141804), 47 (part #141803) and 43 (two locations) (part #141812). Refer to diagram D140234, attached at the end of this publication.

Warning: Upon finding improper brake line hose(s), DO NOT DRIVE the vehicle before replacing with proper hose(s).

4. Replace the improper hose(s) with proper brake line hose(s).

PART THREE

APPLICATION

Model	VIN	
XL-40 and XL45 Coaches Model Year: 1999	2PCL33497X1026849 2PCL3349XX1026862 2PCL33490X1026868 2PCL33405X1026883 2PCL33498X1026889 2PCL33498X1026892 2PCL33493X1026895	2PCL33499X1026898 2PCL33495X1026901 2PCL33496X1026907 2PCL33491X1026913 2PCL33499X1026920 2PCL3349XX1026926

MATERIAL

Note: Order only the necessary replacement part(s) after inspecting the vehicle. Return the used parts for reimbursement.

Part No.	Description	Qty
141984	Brake line air hose assy. #8, 16 mm dia., 664 mm long	As required

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.




1. Park the vehicle over a repair pit or raise as per Maintenance Manual, Section 18 "VEHICLE JACKING POINTS".
2. Apply parking brake to deplete air from the brake line hoses. Do not apply service brakes for the same reason.
3. Using the tips provided on the first page of this publication, inspect brake line hoses identified on the pneumatic diagram appropriate for your vehicle as #180 (two locations) (part #141984). Refer to diagram D140242, attached at the end of this publication.

Warning: Upon finding improper brake line hose(s), DO NOT DRIVE the vehicle before replacing with proper hose(s).

4. Replace the improper hose(s) with proper brake line hose(s).

PART FOUR

APPLICATION

Model	VIN				
M-40, M-45 and M-45E Bus Shells Model Year: 1999	<u>2PCM33498X1026847</u>	<u>2PCM33497X1026869</u>		<u>2PCE33490X1026894</u>	
	<u>2PCM3349XX1026848</u>	<u>2PCE33498X1026870</u>		<u>2PCM33491X1026897</u>	
	<u>2PCM33498X1026850</u>	<u>2PCM33497X1026872</u>		<u>2PCM33495X1026899</u>	
	<u>2PCM33491X1026852</u>	<u>2PCE33493X1026873</u>		<u>2PCM33498X1026900</u>	
	<u>2PCM33495X1026854</u>	<u>2PCM33494X1026876</u>		<u>2PCM33493X1026903</u>	
	<u>2PCM33405X1026855</u>	<u>2PCM3349XX1026879</u>		<u>2PCM33499X1026906</u>	
	<u>2PCM33490X1026857</u>	<u>2PCM3349XX1026882</u>		<u>2PCM33494X1026909</u>	
	<u>2PCM33492X1026858</u>	<u>2PCM33401X1026884</u>		<u>2PCE33499X1026912</u>	
	<u>2PCM33492X1026861</u>	<u>2PCM33403X1026885</u>		<u>2PCM33491X1026916</u>	
	<u>2PCM33496X1026863</u>	<u>2PCE33493X1026887</u>		<u>2PCM33405X1026922</u>	
	<u>2PCM33491X1026866</u>	<u>2PCM33409X1026888</u>		<u>2PCE33497X1026925</u>	
	<u>2PCM33493X1026867</u>	<u>2PCM33490X1026891</u>			
	XL-40 and XL-45 Coaches WITH INDEPENDENT SUSPENSION Model Year: 1999	<u>2PCL33491X1026846</u>		<u>2PCL33495X1026865</u>	
		<u>2PCL33495X1026851</u>		<u>2PCL33490X1026871</u>	
<u>2PCL3349XX1026859</u>			<u>2PCL33491X1026877</u>		
			<u>2PCL33494X1026923</u>		

MATERIAL

Note: Order only the necessary replacement part(s) after inspecting the vehicle. Return the used parts for reimbursement.

Part No.	Description	Qty
141836	Brake line air hose assy. #8, 16 mm dia., 664 mm long	As required
141984	Brake line air hose assy. #8, 16 mm dia., 664 mm long	As required

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.

1. Park the vehicle over a repair pit or raise as per Maintenance Manual, Section 18 "VEHICLE JACKING POINTS".
2. Apply parking brake to deplete air from the brake line hoses. Do not apply service brakes for the same reason.
3. Using the tips provided on the first page of this publication, inspect brake line hoses identified on pneumatic diagram D140237 as #70 (two locations) (part #141836) and #94 (two locations) (part #141984). On pneumatic diagram D140210, inspect lines identified as #70 (two locations) (part #141836) and #197 (two locations) (part #141984). Refer to diagram appropriate for your vehicle. Diagrams are attached at the end of this publication.

Warning: Upon finding improper brake line hose(s), DO NOT DRIVE the vehicle before replacing with proper hose(s).

4. Replace the improper hose(s) with proper brake line hose(s).

WARRANTY

This modification is covered by Prévost Car's normal warranty. We will reimburse you a half hour (0.50) of labor for inspecting each vehicle. We will also reimburse you the parts and a quarter of an hour (0.25) of labor per hose replaced upon receipt of the used parts and a completed A.F.A. form on which you must specify as per "Safety Recall 99-21". **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: Sr99-21B)**

ENREGISTRÉ - REGISTERED
ISO 9001 & ISO 14001



SERIAL NUMBER: _____

PERFORMED BY		OWNER/OPERATOR	
We hereby certify that Safety Recall Instructions with regards to Safety Recall #99-21B have been performed.			
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**