

Guidelines for Retrofitting Safer Seats/Seat Belts on Pre-1/8/2004 Public Light Bus

1. Purpose:

These guidelines list major steps to be observed by PLB owners for retrofitting safer passenger seats with integral retractable seat belts for Public Light Bus registered before 1/8/2004. The Design specifications and Installation method are certified by an International testing agent and approved by Transport Department.

2. Vehicle Models Approved:

At present, there are three models of pre-1/8/2004 PLB having been assessed and approved for safer seat retrofitting, viz.

- Models: (1) Toyota Coaster BB42R-ZCMSS
(2) Toyota Coaster BB43R-ZCMSW
(3) Toyota Coaster BZB40R-ZCMSC (for post 4/2002 PLB vehicles which GVW is 4300kg.)

3. Seat Model Approved:

As at today's date, the high back seat with integral retractable seat belt manufactured by **Vogelsitze** Model: **Top 2020** is the seat approved for retrofitting, the details of the seat can be located at Appendix C (for reference only: actual supply may differ in details of options). Should other seat models meeting our standards are found in the future, they will be announced to the public.

4. Approved Design and Installation Details:

The Approved Design, Reinforcement Parts and Installation Details are shown in Appendix 1, Appendix 2 and Appendix 3 for models BB42R-ZCMSS, BB43R-ZCMSW and BZB40R-ZCMSC respectively. The installation methods and parts used should be strictly adhered to the specifications stipulated in the appendices.

5. Before Retrofitting:

The condition of a vehicle affects the strength of its body frame structure. As such, a PLB vehicle should meet the criteria as set out in Appendix 5 before retrofitting work is to proceed. Vehicle conditions that do not meet the criteria should be repaired, and vehicle parts not up to the standard should be renewed. TD request that a PLB vehicle should be examined by a Registered Professional Engineer (RPE), in Mechanical or Structural discipline, to ascertain that its body condition shall meet the criteria, before retrofitting work is to proceed.

6. Certificate from Registered Professional Engineer:

During the process of retrofitting, the vehicle has to be examined by the RPE at key

Appendix A

stages and on completion. He should certify that the retrofitting is completed in full accordance with the Approved Design, Reinforcement Parts and Installation Details. Normally he/she will take photos for records with registration marks on hidden parts, and shall make identifications such as paint dots on essential positions to assure that they are properly located and tightened. The form of certification is shown at Appendix 6.

7. Approval of Notifiable Alteration from TD

With the RPE's certification in hand, the owner (or his agent) may write to TD applying for notifiable alteration of his vehicle. TD shall then arrange a date and time for examination of the vehicle, and shall issue an approval letter if deemed fit.

8. Vehicle Maintenance

It is essential that an altered vehicle, once approved for alteration, shall be kept in the condition as approved in its subsequent operation. Damaged parts shall be replaced or repaired to restore vehicle safety standards and roadworthiness. Without further approval from TD, the vehicle shall not be further altered, or reinstated to its original condition before retrofitting, for any individual components or for the whole vehicle.

9. Enquiry

For further enquires, you can call Senior Motor Vehicle Examiner (SMTA) of Transport Department at Tel. no. 2829 5468.

Transport Department
30 August 2006