

Re : **Emission Control on Diesel Vehicles - Vehicle Maintenance & Inspection**
Legislative Council - Transport Committee

During the 1990s vehicles have been developed from the early full mechanical control to the electromechanical integration. The main control elements of the vehicles are most replaced with electronic components.

The major technical involvement was for fault diagnosis techniques of new model motor car, in which new technology included:-

- *Anti-skid Braking System.*
- *Electronic Fuel Injection system.*
- *Total Engine Management for Electronic Control.*
- *Electronic Control for Automatic Transmission.*
- *Electronic Control for Pneumatic Suspension.*
- *Emission Control System.*

All those new control system was most popular installed on European's and Japan's manufacture motor car, such as Benz, BMW, Volvo, Saab, Toyota, Nissan and Mitsubishi etc. All those new technology we need find some technical information, Auto Date Book and some diagnosis equipment from European manufacturer and U.S.A..

Nowadays, the vehicle service personnel include mechanic, technician and engineer must have computer and electronic knowledge. This technical change will change the traditional repair and maintenance technique for all those vehicle service person.

We suggest to improve the Diesel smoke of vehicle, the following items as below:-

1. To improve vehicle mechanic's quality, training is a very important measure, especially the new technology training. In additional, a qualified licensing vehicle mechanic registration system must be set up by the government to establish the relevant regulations ensuring the vehicle mechanic's technical standard. So as to improve their quality which enhances the environmental protection and road safety.
2. Government / V.T.C. Training Centre, to establish a Vehicle Technology Information Centre, were to keep all kinds of vehicle technical data materials, for open inquire by the vehicle repair and maintenance trade person. This information centre can provide the necessary, useful and correct technical information for the vehicle repairing process.
3. Government to invite and subsidize the local institutes and universities for some study projects, tests and experiment to develop some new technology for improving diesel smoke.

