

Information Note

Application for approval of After-market alteration of LPG vehicle fuel system (excluding LPG tank)

This information note details the requirements, the application procedures and the approval criteria for after-market alteration of the LPG vehicle fuel system (excluding LPG tank).

1. Prior to any alteration, to ensure vehicle safety and gas safety of the alteration, the applicant must provide at least the following documents to Transport Department (TD) for consideration and approval. No alteration should be carried out prior to obtaining TD's approval.
 - (i) **Application Letter** - An application letter from the applicant stating the reasons of alteration, and supplemented with details of the alteration (including technical details of the hoses / connector / coupling / component involved, schematic diagrams, installation details with drawings), the vehicle registration document copy, company history of the automotive parts/products proposed for alteration.
 - (ii) **Vehicle Manufacturer's Endorsement or RPE/Testing Body Certificate** - Approval or no objection from the original vehicle manufacturer regarding the proposed alteration. As an alternative route, the applicant may submit a technical proposal (together with the reference national standards, e.g., design and construction of the additional automotive parts/products, hose connections and gas fittings) endorsed by i) a Registered Professional Engineer (RPE) or an accredited certifying body in vehicle field, **and** ii) an engineer in gas discipline such as a corporate member of HKIE or equivalent for our approval. The engineer in gas discipline should assess the design of the fuel supply system in particular the hose construction, hose connections and gas fittings to follow gas safety principles and ensure compatibility with the existing system. The qualification of the RPE/accredited certifying body/engineer in gas discipline should also be included in the technical proposal. The technical proposal should be sufficiently detailed to demonstrate that the modified vehicle would be roadworthy (both vehicle safety and gas safety).
2. Any alterations that would contravene the Road Traffic (Construction and Maintenance of Vehicles) Regulations or Air Pollution Control (Vehicle Design Standards)(Emission) shall not be approved. If necessary, TD may require vehicle examination after completion of the vehicle modification.

Vehicle Safety and Standards Division
Transport Department

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