

User Information Sheet 016

Formerly LPGA Information Sheet 6 – February 2000

WORK ON LPG VEHICLES IN GARAGES

Garaging, Repair and Maintenance

Vehicles fuelled with LPG may be parked, serviced and repaired inside garages provided that the following conditions are observed:

1. Only trained and competent personnel on the use of LPG as a road vehicle fuel are allowed to work on LPG aspects of the vehicles engine or fuel system.
2. There are no leaks in the fuel system.
3. Fuel tanks are not to be filled beyond 80% maximum level.
4. Vehicles are not parked within 3m of sources of heat, open flames or other sources of ignition.
5. Unless the fuel is required for engine operation the fuel tank(s) liquid outlet shut-off valve is (are) closed and the LPG fuel in the service line exhausted by running the engine or, if this is not possible, by disconnecting, in the open air, where the LPG cannot accumulate. (Note: Some fuel tanks have electrically controlled shut off valves. These should be closed by disconnecting their supply cables).

Vehicles undergoing repairs involving welding or the application of heat, to any part within 1m of the fuel tank, must have the fuel lines emptied and the tank removed or shielded from the source of heat.

Low Bake Ovens

Vehicles must not be put through low bake repainting ovens or similar heating processes unless the temperature is controlled at less than 40°C.

Pits

If the vehicle is to be repaired over an open pit, the pit must be adequately ventilated. All electrical equipment installed or used (including lighting) in a pit should be suitable for a Zone 2 hazardous Area and gas detectors should be fitted at the bottom of the pit. These should be checked daily.

Vehicle Scrapping

LPG fuel tanks must be removed from a vehicle before the vehicle is sent to be scrapped must destroyed in accordance with BS 5430 by, or under the supervision of, a competent person and in a manner rendering them unserviceable for holding gas.

Hotwork

No hotwork, e.g. welding, cutting or bending should be carried out on vehicles unless the risk of affecting LPG tank or system has been eliminated. This may require the removal of the tank or system.