

P·T·I 200-01

Highway Vehicle Conversion and Inspection



Course Overview

This course has been designed for individuals who wish to receive training to convert vehicles to propane and inspect propane vehicles. The course is generally delivered through post-secondary institutions as part of Automotive Technician training. The student will be required to attend an instructor-led training course followed up with a demonstration of correct procedures. The certification requirements listed below must be achieved in order to successfully complete the course.

Key Learning Objectives

The student will gain knowledge in the following key areas:

- **Approvals, Requirements and Installer Responsibilities**
Includes instruction on the various approval bodies in relation to auto propane vehicles and systems, marking and labelling requirements and their responsibilities as installers.
- **LPG Tanks Used in Auto Propane Vehicles**
Includes instruction on how to inspect and determine if to reject various components of LPG tanks used in auto propane vehicles; the inspection of tank locations and mounting requirements.
- **Remote Fills in Auto Propane Vehicles**
Includes instruction on how to inspect and determine if to reject the remote fill box and the sealing methods of remote fill boxes.
- **Piping and Tubing Systems and Hoses and Fittings in Auto Propane Vehicles**
Includes instruction on how to inspect and determine if to reject the components of the piping and tubing system as well as the inspection of hoses used in the system.
- **Engine Carburetion Equipment**
Includes instruction on how to inspect and determine if to reject the engine carburetion equipment.



- **Testing**

Includes instruction on how to conduct various tests such as pressure testing, leak testing and operational testing of valves and gauges.

Regulatory References

This course has been designed to satisfy regulatory requirements of the most current CAN/CSA-B149.5 Installation Code for Propane Fuel Systems and Tanks on Highway Vehicles. While this course has been written to satisfy national requirements, the P·T·I certified Trainer will also ensure that the student is aware of any additional requirements as outlined by the authorities in their jurisdiction.

Certification Requirements

The student must successfully complete a written exam provided by a P·T·I certified Trainer. A temporary Record of Training will be issued to the student by the P·T·I certified Trainer valid for ninety days. The Propane Training Institute will issue the student a paper wall certificate and a plastic wallet card certifying successful completion of the course. P·T·I certification is valid for five years from the date of training.

Course Duration

This course is delivered over several days as part of automotive technician training offered at post-secondary technical schools.

The cost of classroom instruction is determined by the Trainer and is dependent on where the training will be held and for how many students.

