

IMI Level 2 Award in Preparing Heavy Electric/Hybrid Vehicles for Repair (1 Day)

Course Synopsis



Overview

The purpose and aim of these new IMI heavy electric/hybrid vehicle qualifications (VRQs) is to instruct individuals from the retail heavy vehicle industry and the public service sector in the operation of working safely on the high energy electrical system. These qualifications have been developed by the IMI in conjunction with heavy electric/hybrid vehicle manufacturers, component suppliers and the IMI Sector Skills Council. They are the first qualifications of their kind to address heavy electric/hybrid vehicle (high voltage) technology. The qualifications are essential to ensure the health and safety of individuals working with heavy electric vehicles.

This award is designed for technicians who maintain and repair heavy electric/hybrid vehicles. It contains the knowledge and skills required to work safely around a vehicle's high and low voltage electrical system and electric drive train system, whilst carrying out procedures to make safe and reinstate the vehicle. On completing this qualification, technicians will have gained knowledge of both low and high voltage technologies and an understanding of their dangers.

Subjects Covered

- Terminology
- Types of Hybrid/EV layouts
- Safety procedures
- Operational conditions
- Auto-Stop Systems
- Construction and function of Hybrid systems
- Handling Hybrid components and safety procedures
- Component operation
- Construction and function of components

Certification

I.D. No: 603/4181/6 IMI Level 2 Award in Preparing Heavy Electric/Hybrid Vehicles for Repair

