

Hybrid & Electric Vehicle Training

IMI Level 2/3: Routine Maintenance, Repair and Replacement

This 3-day course is designed to give an in-depth knowledge of hybrid and electric vehicles within the passenger car market, including the practical skills needed to perform routine tasks. It will cover the different characteristics and components when compared to internal combustion engines (ICE). The hazards and risks associated with hybrid and electric vehicles, as well as the precautions to be taken. A lot of the content taught can be transferrable to other electric vehicles within the Automotive industry.

Content of the training:

- Relevant legislation / regulations
- Identifying an electric vehicle:
 - Process to follow
 - Badges and external markings
 - Internal signs
 - Components and markings
- Different between Hybrids
- Alternative Fuels: Hydrogen
- Dangers:
 - Weight
 - Electricity
 - Fire
 - Silent moving
 - Battery
 - Corrosive substance
 - Magnetism
 - Environmental
- Hazards when a vehicle is damaged
- Risk assessment (including relevant signage, PPE and first aid)
- High voltage components overview
 - Identification
 - Operating principles
 - Understanding drive train layout

- Workshop exercises
 - Shutting down and re-initialising the HV system
 - Voltage measurement
 - Using the relevant PPE
 - Removing and retrofitting HV components
- Charging
- Precautions and recovery
 - Different characteristics of hybrid/electric to ICE
 - Lifting electric vehicles
 - Moving electric vehicles

All courses are delivered by highly experienced personnel who have many years experience both as trainers and within the subjects they are training.

All courses offered can be developed and are designed specifically for the needs of our customers and aimed to instill the knowledge required to carry out their jobs efficiently and safely

Details / Requirements for the training:

Training Period: 2 days plus practical assessment (Face to face)

Participants: 6 People

Training Cost: £599.00pp

Requirements: It is advised that you have a relevant automotive qualification or practical experience within the chosen subject.

Qualifications: All successful candidates who complete the course, practical assessment, write up and online test will receive a Nationally recognised qualification in the UK