

# IMI INTERNATIONAL LEVEL 3

## AWARD IN ELECTRIC / HYBRID SYSTEM REPAIR AND REPLACEMENT



## Who is this for?

These learners will have an interest in gaining the knowledge to work safely when carrying out repair activities on Electric/Hybrid vehicle high voltage systems.

It is therefore designed for those people who may encounter electric/hybrid vehicles within a routine maintenance situation. It also contains the knowledge and skills required to work safely around a vehicle that may have had damage to its high energy/electrical system.

This Award sized qualification offers an introduction to this specialised industry sector which in addition to complimenting their current industry qualifications and experience, will enable them to continue to work safely within their role. These roles can include but are not exclusive to:

- Maintenance and repair technician.

## Who Might be Interested in Taking This Course?

Individuals interested in taking this course will need to possess appropriate **vehicle maintenance and repair knowledge and skills at level 3**.

## What Will The Learner Study as Part of This Qualification?

The content of this qualification has been designed to give the learners the knowledge and skills required to work safely on Electric/Hybrid vehicles whilst carrying out diagnostic, testing and repair activities. This may include vehicles that may have or had damage to their high energy/electrical system. It contains two mandatory units EV2.2 and EV3.

EV2.2 covers all of the skills and knowledge from IMI Level 2 Award in Electric/Hybrid Vehicles Routine Maintenance Activities and EV3 covers skills in:

- Working safely on an electric/hybrid vehicle.
- Using information to carry out the task.
- Carrying out repairs on high energy electrical systems.
- Recording information and making suitable recommendations.

As a result, learners successfully completing this qualification will acquire significant core knowledge and skills and the ability to remove and replace Electric/Hybrid vehicle high voltage components.

## Entry Requirements

Candidates/Learner is required to complete below courses in order to proceed with this qualification:

- **IMI International L1: Award in Electric/Hybrid Vehicle Awareness**
- **IMI International L2: Award in Electric/Hybrid Vehicle Hazard Management for Emergency and Recovery Personnel**

## Course Details

Duration : 2 days

Certificate : IMI International L3 Award In Electric/Hybrid Vehicle System  
Repair and Replacement & MRC (Attendance)

## Schedule - Day 1

Time	Course Description
09:00AM - 10:30 AM	<b>Course Module</b> <ul style="list-style-type: none"> <li>Module 1: Workshop Operation Manual</li> <li>Module 2: Replacement of Main Hybrid Battery</li> <li>Module 3: Power Control Unit</li> <li>Module 4: Hybrid Transmission Transaxle</li> </ul>
10:30AM - 01:00PM	<b>INT EV2.2 Practical Assessment (IMI)</b> Demo and practical of EV3 Inverter With Converter Assembly Remove And Replace Demo and practical of EV3 High Voltage Battery Remove and Replace Demo and practical of EV3 Hybrid Transaxle Overhaul
01:00PM - 02:00PM	<b>Lunch Break</b>
02:00PM - 05:00PM	Practical of EV3 Inverter With Converter Assembly Remove And Replace Practical of EV3 High Voltage Battery Remove and Replace Practical of EV3 Hybrid Transaxle Overhaul

## Schedule - Day 2

Time	Course Description
09:00AM - 12:00PM	Practical of EV3 Inverter With Converter Assembly Remove And Replace Practical of EV3 High Voltage Battery Remove and Replace Practical of EV3 Hybrid Transaxle Overhaul  <b>INT EV3 Practical Assessment (IMI)</b>
12:30PM - 01:30PM	<b>Lunch Break</b>
01:30PM - 05:00PM	<b>INT EV2.2 Written Assessment (IMI)</b>

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