

EV & HYBRID VEHICLE TECHNICIAN

Role Overview

When working as a Vehicle Technician, you can work on either **Light Vehicles** (Cars, Motorbikes) or **Heavy Vehicles** (Trucks, Lorries) and the qualifications you complete will reflect the type of vehicle you work on.

As the systems that power our transport are transitioning to include more electrical and hybrid vehicles, Technicians are becoming more specialist and upskilled to work on the new technology that EV/Hybrid vehicles contain.

When working with electric vehicles, you will specialise in diagnosing and fixing faults with new technologies and higher voltage battery systems.

Key Responsibilities

- ✓ **Diagnosing faults and system issues**, using visual inspections and advanced diagnostic tools, software, and data systems.
- ✓ **Interpreting system data to identify failures**, defective components, or service requirements across electric and hybrid platforms.
- ✓ **Disassembling and reassembling electrical systems**, including testing, replacing, or refitting components such as motors, inverters, and battery modules.
- ✓ **Conducting safety checks and routine maintenance**, including recording data on emissions, mileage, and the safe disposal or recycling of materials.
- ✓ **Working safely with high-voltage systems**, following strict protocols to ensure technician and vehicle safety.

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As electric vehicle technology continues to evolve, this role offers continuous professional development (CPD) opportunities in areas such as battery systems, charging infrastructure, and smart diagnostics.

Achieving IMI TechSafe accreditation demonstrates that your competence in working safely with electric and hybrid vehicles meets recognised industry standards. This also puts you at the forefront of innovation and a key factor in the transition towards net zero and green skills.

EV & Hybrid Vehicle Technicians are more than mechanics, they are technical pioneers helping shape the future of sustainable transport.

REAL VOICE: NATHAN FROST

"For me personally, looking back on my career, I have never been bored. Every day there has been a new challenge.

The automotive industry will always be here, people will always have a car. It's just about how this evolves, with the new technology there is so much to work on such as data and computer systems.

We need more people with these skills to come into the industry to work on this."

