

SPECIALIST AREA: MOTOR VEHICLE MAINTENANCE

SUB AREAS:

- *Electric/Hybrid Vehicle System repair and replacement (Linked to L3 Motor vehicle service and maintenance technician (light vehicle) [ST0033](#))*
- *Motorsport vehicle maintenance and repair (Linked to L3 Motor vehicle service and maintenance technician (light vehicle) [ST0033](#))*
- *Electrical Vehicle Charging Installation: Domestic and Commercial setting (Linked to L3 Domestic Electrician [ST1017](#))*

NB. The following duties are indicative and not exhaustive.

SPECIALIST DUTIES: ELECTRIC/HYBRID VEHICLE SYSTEM REPAIR AND REPLACEMENT

- applies understanding of health and safety requirements on an electric/hybrid vehicle
- accesses suitable sources of information to support electric/hybrid vehicle repair activities
- uses correct tools and equipment in line with manufacturer's requirements
- plans correct procedures to repair high energy electrical system components
- carries out correct procedures to repair high energy electrical system components
- completes accurate records and makes suitable recommendations.
- applies understanding of electric principles when working with vehicles

SPECIALIST DUTIES: MOTOR VEHICLE MAINTENANCE AND REPAIR

- outlines the correct personal and vehicle protection to be used within the motorsport environment
- selects and uses the correct personal and vehicle protection equipment throughout activities
- understands and applies effective housekeeping procedures within the motorsport environment
- understands and applies current health and safety requirements in a motorsport environment
- identifies and carries out safe working practices within the scope of their role in the motorsport environment
- recognises risks and potential hazards in the motorsport environment
- demonstrates responsibility by ensuring the health and safety of themselves and others
- promotes the importance of maintaining health and safety welfare

SPECIALIST DUTIES: ELECTRICAL VEHICLE CHARGING INSTALLATION: DOMESTIC AND COMMERCIAL SETTING

- applies understanding of health and safety requirements in line with Wiring Regulations (BS7671) and other relevant legislation in a domestic and commercial setting
- understands and carries out electrical installation practices including:
 - risk assessment
 - supply
 - earthing
 - planning permission in accordance with relevant legislation
 - explosive atmospheres
 - protection
 - labelling
 - control
- uses correct tools and equipment in line with legal requirements
- carries out inspection, testing, fault finding, maintenance, commissioning and handover of electric vehicle charging equipment

- completes accurate records for notification to the Distribution Network Operator (DNO) and certification purposes.