

AREAS FOR FURTHER DEVELOPMENT

T LEVEL: MAINTENANCE, INSTALLATION AND REPAIR FOR ENGINEERING AND MANUFACTURING

T Level learners will have covered a broad spectrum of knowledge and understanding of the concepts, theories and principles relevant to the T level in the core content. They will then specialise and cover the knowledge and skills required in that occupational specialism, putting this into practise during the industry placement. There may be some areas a learner will need to further develop in a workplace environment following a T Level to reach full competence, such as behaviours. Following engagement with employers, industry experts and providers, we have captured below what these areas for development may be following a T Level. This will depend on the learner and an initial assessment. The RPL guidance gives further details.

Occupational Specialism: Maintenance, installation, and repair: Light and Electric Vehicles Standard: Motor Vehicle Service and Maintenance Technician (Light Vehicle)

Aspects for further development

Knowledge:

- K6: Steering and suspension geometries; electrical circuit requirements and calculations
- K11: Construction and operation of advanced electrical, braking and suspension systems, engine and transmission systems and engine and gear calculations
- K12: Vehicle emissions and legal requirements
- K13: Alternative fuels and hybrid and electric systems

Skills:

- S1: Contribute to the maintenance of a safe and efficient workshop
- S3: Carry out fundamental tasks associated with removal and replacement procedures on a vehicle
- S5: Interpret diagnostic information and use electrical wiring diagrams to determine system serviceability
- S8: Report faults using company procedures and recommend suitable further actions

Additional Learning

Further Practical Application of knowledge and skills to reach full occupational competence. They will need further support to apply their knowledge and skills, particularly in non-routine situations to develop their:

- Quality of skill
- Pace
- Adaptability
- Independence and focus
- Appropriate workplace behaviours

Behaviours.