

Fit accessories to a cycle

Overview

This standard is about fitting accessories to a cycle, for example safety and warning devices, carriers and computers, so that it is left in a roadworthy condition. It is also about evaluating the performance of the fitted accessories where applicable.

In this standard the term 'cycle' includes pedal-propelled vehicles with two, three or four wheels. It may also include pedal-assisted e-bikes:

- Road legal up to 15.5 mph with a motor with an output of up to 250w
- E-cycles used for other purposes

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Performance criteria

You must be able to:

P1 use suitable personal protective equipment throughout all accessory fitting activities

P2 ensure the cycle and the work area is safe prior to work commencing

P3 support your accessory fitting activities by reviewing:

- P3.1 cycle technical data

- P3.2 accessory data

- P3.3 fitting procedures

- P3.4 legal requirements

P4 prepare, check and use all the **equipment** required following manufacturer's instructions

P5 carry out all accessory fitting activities following:

- P5.1 manufacturer's instructions

- P5.2 your workplace procedures

- P5.3 health, safety and environmental requirements

P6 work in a way which minimises the risk of:

- P6.1 damage to the cycle, its systems and components

- P6.2 damage to your working environment

- P6.3 injury to self and others

P7 ensure fitted **accessories** conform to the cycle operating specification and any legal requirements

P8 use suitable **testing methods** to accurately evaluate the performance of the **accessory** fitted

P9 demonstrate and explain the operation or effect of the **accessory** fitted

P10 ensure your records are accurate, complete and promptly passed to the relevant person(s) in the format required

P11 complete all cycle wheel building activities within the agreed timescale

P12 promptly report any anticipated delays in completion to the relevant persons(s)

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Knowledge and understanding

You need to know and understand:

Legislative and organisational requirements and procedures

K1 the health and safety legislation, environmental requirements and workplace procedures relevant to cycle accessory fitting and personal and cycle protection

K2 your workplace procedures for:

K2.1 recording accessory fitting information

K2.2 the referral of problems

K2.3 reporting delays to the completion of work

K3 how to work safely avoiding damage to other cycle systems, components and units and injury to self and others

K4 the importance of documenting accessory fitting information

K5 the importance of working to agreed timescales and keeping others informed of progress

K6 the importance of promptly reporting anticipated delays to the relevant person(s)

Use of technical information

K7 how to find, interpret and use sources of current **technical information** applicable to cycle accessory fitting activities

K8 the importance of using the appropriate sources of **technical information**

Tools and equipment

K9 how to select, prepare, check and use all the cycle accessory fitting equipment required

Cycle accessory fitting

K10 how to ensure **accessories** to be fitted are compatible with the cycle(s) on which you work

K11 how to fit **accessories** for the types of cycle on which you work

K12 the equipment manufacturer's instruction for the fitted **accessories**

K13 the cycle manufacturer's specification for the fitted **accessories**

K14 how to test and evaluate the performance of the fitted **accessories**

K15 how to test and evaluate the performance of the accessory against the cycle operating specifications and any legal requirements

K16 how having **accessories** fitted may affect the warranty on a cycle

K17 the manufacturer's specification for the type and quality of **accessories** to be used

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Scope/range

1. ****Accessories**** include:

- 1.1 audible warning devices
- 1.2 lights
- 1.3 mirrors
- 1.4 mudguards
- 1.5 panniers and luggage carriers
- 1.6 child safety seats
- 1.7 computers

2. **Testing methods** are:

- 2.1 sensory
- 2.2 functional
- 2.3 measurement

Glossary

This section contains examples and explanations of some of the terms used but does not form part of the standard.

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Agreed timescales

Examples include manufacturer's recommended work times, job times set by your company or a job time agreed with a specific customer

Computers

To include navigation, heart rate, power output etc.

Conformity

Examples include conformity to manufacturer's specifications, UK and European legal requirements where applicable

*Cycles**

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