

Assessment Requirements

Unit MC01K – Knowledge of Routine Motorcycle Maintenance

Content:

Motorcycle maintenance, inspection and adjustment and record findings

Motorcycle inspection techniques used in routine maintenance including:

- i. aural
- ii. visual and functional assessments on engine systems
- iii. visual and functional assessments on transmission power train
- iv. chassis systems
- v. wheels and tyres
- vi. electrical and electronic systems
- vii. motorcycle fame and components

The procedures used for inspecting the condition and serviceability of the following:

- i. filters
- ii. drive belts
- iii. cables
- iv. brake linings
- v. pads
- vi. ignition components
- vii. hoses
- viii. tyres
- ix. lights
- x. chain and sprockets
- xi. steering and suspension
- xii. battery and charging

The procedures used for checking gaps and clearances:

- i. ignition components
- ii. carburettor
- iii. valve clearances
- iv. clutch
- v. drive train
- vi. brakes

Preparation and use appropriate use of equipment to include:

- i. test instruments
- ii. emission equipment
- iii. wheel alignment
- iv. beam setting equipment
- v. tyre tread depth gauges

Procedures for checking and replenishing fluid levels:

- i. oil
- ii. water
- iii. hydraulic fluids
- iv. greases

Procedures for checking and replacement of lubricants:

- i. replace oil filters
- ii. check levels
- iii. types of oil

- iv. cleanliness
- v. disposal of old oil and filters

Procedures for carrying out adjustments on motorcycle systems or components:

- i. clearances
- ii. settings
- iii. alignment
- iv. operational performance (engine idle, exhaust gas)

Procedures for checking electrical systems:

- i. operation
- ii. security
- iii. performance

Importance and process of detailed inspection procedures:

- i. following inspection checklists
- ii. checking conformity to manufacturer's specifications
- iii. UK and European legal requirements

Importance and process of completing all relevant documentation relating to motorcycle maintenance:

- i. inspection records
- ii. job cards
- iii. motorcycle repair records
- iv. motorcycle service history

The need to use motorcycle protection prior to service and repair

Requirements and methods used for protecting:

- i. motorcycle body panels
- ii. paint surfaces
- iii. chrome surfaces

The need to check the motorcycle prior to routine maintenance

The need to inspect the motorcycle following routine maintenance:

- i. professional presentation of motorcycle
- ii. customer perceptions

The basic checks of motorcycle following routine maintenance:

- i. removal of oil and grease marks
- ii. body panels
- iii. chrome
- iv. paint surfaces
- v. motorcycle controls
- vi. re-instatement of components

Different systems to be inspected while carrying out motorcycle routine maintenance.

- i. engine and power train systems
- ii. chassis systems
- iii. wheels and tyres
- iv. electrical and electronic systems
- v. motorcycle frame and components