

Technical Description

V38 – Motorcycle Mechanics

Mécanique Moto

Summary of the contest:

Diagnosing and repairing of motorcycle vehicles: electrical, electronic systems and components

Running of the contest:

The duration of the contest will be maximum 6 hours.

It consists, with a provided motorcycle vehicle, in realizing electrical and anti-pollution diagnosis, mechanical operations on bottom or top part of the engine such as:

Replace the front balancer shaft,

Check rod lubrication, control oil pump,

Respect installation and removal procedure of the components,

Respect the torques according to manufacturer recommendations.

Remove the cylinder head and realize the metrology.

Identify defective parts (and bring into conformity).

Replace valve train.

Main skills required:

Be able to:

- ✓ Respect safety rules
- ✓ Realize electrical and anti-pollution diagnosis of a motorcycle vehicle
- ✓ Find the cause of a breakdown and make any necessary repairs
- ✓ Realize maintenance operations

Rating criteria:

- ✓ Management of the work station, cleanliness and security
- ✓ Electrical and antipollution diagnosis
- ✓ Maintenance operations
- ✓ Engine mechanical repairs
- ✓ Replacement of mechanical element.