

Correct as at 5th June 2026. It may be superseded at any time.

Extract taken from: In-service certification (WoF and CoF) > Heavy vehicles > Miscellaneous items > Electrical wiring

## 13-4 Electrical wiring

### Reasons for rejection

#### Condition

1. An electrical wire shows signs of:
  - a) overheating, or
  - b) chafing, or
  - c) other damage.
2. Electrical wires in a heavy vehicle are not:
  - a) insulated and protected from damage that could be caused by water, fuel, oil, other fluids, dirt or heat, or
  - b) clipped or otherwise gathered into looms with an insulating material, where this is practicable.
3. Electrical wires and looms are not:
  - a) appropriately and securely fastened to the vehicle to protect them from damage, or
  - b) protected from damage where they pass through holes in the vehicle structure.

### Summary of legislation

#### Applicable legislation

- [Land Transport Rule: Heavy Vehicles 2004](#).

#### Condition

1. The current ratings of the electrical wires in a vehicle must not be exceeded.
2. Electrical wires in a heavy vehicle must:
  - a) be insulated and protected from damage that could be caused by water, fuel, oil, other fluids, dirt or heat, and
  - b) if practicable, be clipped or otherwise gathered into looms with an insulating material.
3. Electrical wires and looms must:
  - a) be appropriately and securely fastened to the vehicle to protect them from damage, and
  - b) where they pass through holes in the vehicle structure, be protected from damage.