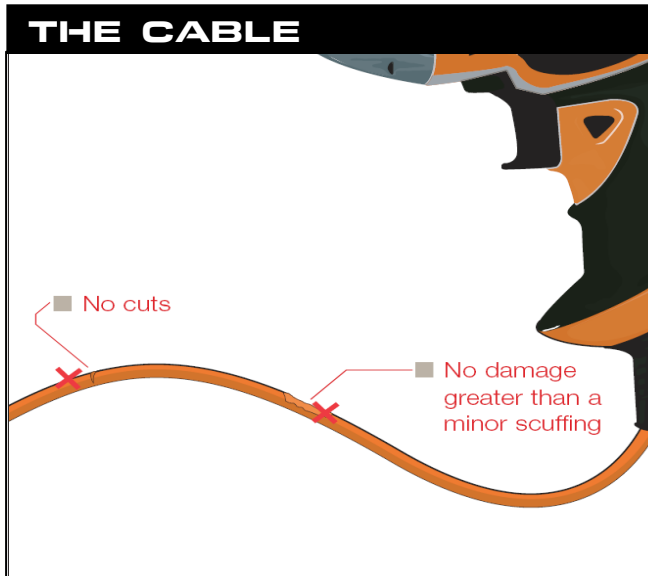


RENTAL EQUIPMENT TEST PROCEDURE

START

VISUAL INSPECTION



Class I

PLUG TOP

- Wired correctly
- Correct fuse fitted
- Terminal screws tight
- No damage to insulation

MAINS CABLE

- No cuts
- No serious abrasions
- Correct size of cable fitted
- Right number of conductors
- 3 core Class I or 2 core Class II
- Correct colour (yellow 110V)
- Cable gland, if fitted, not perished
- Wiring labels fitted

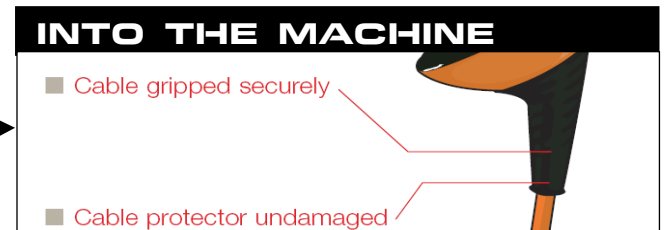
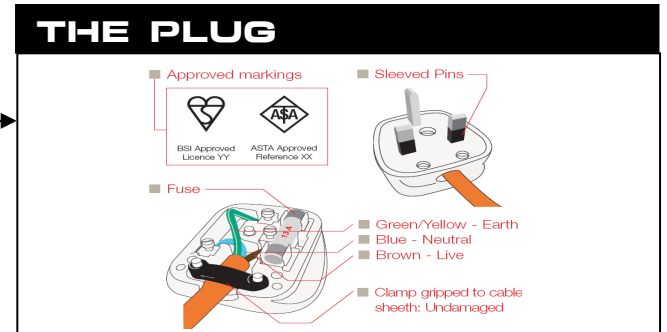
OUTER CASE

- No damage to case
- Moving parts are free
- No hazardous modifications
- Cable grip in power tool firm
- Rating plate fitted and visible

SWITCH ON ITEM UNDER TEST

*If not possible, see leakage test guidance

CHECK RATING LABEL FOR CLASS



Class II

EARTH BOND

Either: "Hard" Test – a measurement made with a maximum of 25A for a period of 5-20s.

Or, "Soft" Test – A measurement made with a maximum of 200mA. There is no defined period but adequate time should be taken to flex the cable to ensure there are no internal breaks in the earth conductor.

0.1 (+ R) Ohms, Where R is the resistance of any supply lead.

FLASH

Minimum 1000V.

Normal fault limit recommended when current flow exceeds 5mA. However this may be increased in line with manufacturer's guidelines.

INSULATION RESISTANCE

A test voltage of 500V or 250V, where suppression devices such as surge protection exist.

A pass is greater than 1 MOhms.

LEAKAGE (Protective Conductor Current)

At operating voltage. Leakage of less than;

- 0.75mA for handheld equipment
- 3.5mA for other equipment
- 0.75 or 0.75 per kW, whichever is greater to maximum of 5mA for Class I heating equipment

*This test can be applied as an alternative to Flash and Insulation Resistance tests when device under test has a safety circuit or No Volt switch exists that cannot be bypassed.

LOAD FUNCTION

At operating voltage displaying the no load current for comparison

Note - load and leakage testing measurements may be taken at the same time by some test equipment

FLASH

Minimum 2500V.

Normal fault limit recommended when current flow exceeds 5mA. However this may be increased in line with manufacturer's guidelines.

INSULATION RESISTANCE

A test voltage of 500V or 250V, where suppression devices such as surge protection exist.

A pass is greater than 2 MOhms.

TOUCH LEAKAGE

At operating voltage. Leakage of less than; 0.25mA for all equipment.

*This test can be applied as an alternative to Flash and Insulation Resistance tests when device under test has a safety circuit or No Volt switch exists that cannot be bypassed.

LOAD FUNCTION

At operating voltage displaying the no load current for comparison.

Note - load and leakage testing measurements may be taken at the same time by some test equipment

RECORD TEST DATA

- Record serial number
- Record model number
- Log all test results
- Record test date
- Label pass or fail

TURN OFF ITEM UNDER TEST

FINISH