



The Model 10517 is a thermal wire stripping hand tool designed for wires 14 AWG and finer. Some elements can mount at 90° for efficient stripping of tough insulations such as Teflon and other PTFE-based materials.

This hand tool is supplied with two Nickel-Chromium elements for stripping insulation from wire. It comes standard with a 4' (1.22m) neoprene cable (18-2 HPN) and taper pin quick connect terminals for connection to American Beauty Power Units. The 10517 hand tool uses resistance wire elements to create heat in order to soften or melt through the outer jacket of the wire to be stripped.



Model 10517

Resistance heat is obtained by passing a safe, low voltage, high amperage current through a resistive alloy. As with all Resistance Soldering Handpieces, heat is generated locally to the handpiece. Current is present for only so long as power is applied to the handpiece and there is a path for the current from the power unit, through the handpiece and back to the power unit.

The 10517 hand tool can successfully and cleanly remove insulation from low-temperature PVC up to and including high-temperature fluorocarbon types (PVC will require low heat settings to soften but not burn). Since heat is essential to softening and parting the insulating material, time required to strip wire will vary with the type and thickness of the jacket, as well as the conductor size. Any shielding under the jacket will slow the softening time but, given time, most insulation will strip cleanly without fraying. The proper stripping method is to heat, twist and pull gently to remove the insulation.

Specifications:

- 4-1/2" (11.5cm) total length, 4' cord
- Varieties of elements available
- Taper pin connection style
- Integrated stop mechanism provides for strip length 1/8" to 1-1/2" (3.18mm to 38.10mm)
- Weight: 1.0 pound (0.45 kgs)

The following American Beauty Power Units may be used with these handpieces:

Model 105A3 (100 Watt)
Model 105A3T (100 Watt)

Replacement elements are available in packages of 2:

Model 10545 - Round blade elements, one notched
Model 10529 - Flat blade elements, one notched
Model 10520 - Flat blade elements, both notched

The use of a footswitch (**Model 10519**) for ease of heating time adjustment and control is recommended.

NOTE: Always keep elements clean and free from burnt flux and solder residue by dressing them with an emery cloth, a fine file or a small wire brush. Replace electrodes that have become too short or badly burnt.

WARNING: Electrodes generate significant heat when power is applied. Use with caution to avoid burns, fire or other damage. Normal use of this product is likely to expose the user to solders containing lead, which is known to the State of California to cause cancer and birth defects (or other reproductive harm), or other Proposition 65 listed chemicals.

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