

Tools and Electric Supplies		
File	Page 1 of 11	Date: Nov 11 2021

1. Electric supplies

1.1. Autosparks UK

- <https://www.autosparks.co.uk/>
- Small quantities available
- Bullets & Connector Sleeves
- Cables – Lucas colours
- Fuses & Fuseboxes
- Grommets
- Harnesses
- Headlamp Leads & Plugs
- Heatshrink
- Plugs & Connectors
- P Clips
- Sleeving
- Tapes
- Terminals
- Wiring Tools

1.2. British Wiring

- <http://www.britishwiring.com/>
- British Wiring sells the same items as Autosparks UK

1.3. Auto Electric Supplies Co

- <https://www.autoelectricsupplies.co.uk/>
- Variety of auto electric supplies
- Cables – Lucas colours
- Heat shrink crimp style connectors and terminals

1.4. Del City

- <https://catalog.delcity.net/>
- Automotive electrics
- Not oriented to British automobiles
- Heat shrink crimp style connectors and terminals

1.5. Würth

- <https://shop.wurth.ca/>
- Heat shrink crimp style terminals and connectors
- Open barrel terminals

1.6. Digi-key Canada

- <https://www.digikey.ca/en/products>
- A large selection of electronic supplies
- Not specifically automotive
- Terminals, connectors

1.7. Newark Electronics

- <https://canada.newark.com/>
- Similar to Digi-key

Tools and Electric Supplies		
File	Page 2 of 11	Date: Nov 11 2021

1.8. B&E Electronics

- <https://www.be-electronics.com/>
- Well-stocked Saskatoon branch at 2518 Faithful Ave. #103
- Test equipment
- Coloured heatshrink
- Soldering equipment and supplies

2. Crimping tools

2.1. Open barrel crimping tool

Aptiv (formerly Delphi) 12085271

- Open barrel ratcheting crimping tool
- Available at mouser.ca



MAC 18600 Open-Barrel 14-24 Gage Crimping Tool

- Available at NAPA Canada as SER 18600



Tools and Electric Supplies		
File	Page 4 of 11	Date: Nov 11 2021

American Autowire 510586

- Wire sizes ranging from 10 gauge to 18 gauge, or terminals requiring a two wire connection.



2.2. Non-insulated and Insulated connector crimper

Klein 1005

- Crimps both insulated and non-insulated 10-22 AWG terminals and connectors.
- Crimping die marked for insulated/non-insulated solderless terminals and connectors.
- Accommodates wire from #10-22 AWG.
- Available at Graingers



Klein 3005CR

- Ratcheting crimper for insulated terminals
- Digi-key Canada
- Other brands widely available



Ratchet crimpers with dies

- Kits available with interchangeable dies for a variety of insulated and non-insulated terminals



Tools and Electric Supplies		
File	Page 5 of 11	Date: Nov 11 2021

2.3. Bullet crimpers

- Hexagon crimping capacity

TT85 Lucas Bullet Crimper Tool

- No longer available from usual suppliers
- Ebay UK search bullet hex crimping tool
- <https://morriesplacecycle.com/product/mp20-tt85-lucas-bullet-crimping-tool/>



MTR1350 ratcheting tool

- Moss Motors UK MTR1350
- Moss Motors US 161-759
- Autosparks UK AST1



Tools and Electric Supplies		
File	Page 6 of 11	Date: Nov 11 2021

3. Cable cutting tools

Knipex 7401200SBA Diagonal Cutter

- 8-Inch high leverage diagonal cutter
- Can cut hard wire, piano wire
- Graingers, NAPA, Canadian Tire



Klein D275-5 Flush cutter

- Snips wire up to 16 AWG level and straight
- Useful for zip ties
- Useful for trimming wires accurately before crimping
- Profile that gets into tight spaces
- Considered a throw-away item unless carbide-tipped
- Graingers, Home Depot
- Other makes at B&E Electronics (Hakko Cutter (CHP-170) TR20E), Gregg's (Milwaukee 48226105)

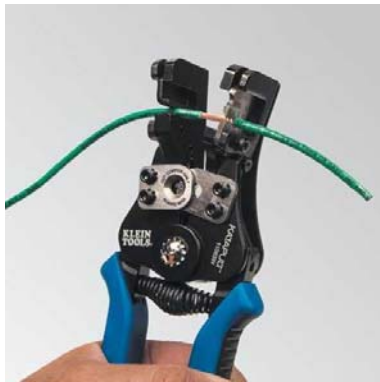


Tools and Electric Supplies		
File	Page 7 of 11	Date: Nov 11 2021

4. Wire strippers

Klein 11063W

- 8-22 AWG
- Useful for both pvc and braided cables
- Graingers, Gregg's



Mac WSC200B

- Self-adjusting automatic wire stripper
- Wire cutter
- Crimps insulated terminals
- Auto ignition terminal crimper
- Mac Tool truck
- Similar at B&E Electronics (PICO 455-11), Napa and Gregg's (Grote 836513) with fewer features



MAC WSC200B



Grote 836513

Tools and Electric Supplies		
File	Page 8 of 11	Date: Nov 11 2021

Klein 11046

- For stranded 16 - 26 AWG
- 6 inch wire stripper/cutter
- Small nose for tight spaces
- Spring return for one-handed use
- Graingers, Gregg's



Tools and Electric Supplies		
File	Page 9 of 11	Date: Nov 11 2021

5. Circuit testing tools

Innova 3340 Digital Multimeter

- Auto-ranging (do not have to change dial for voltage changes)
- Overload protection
- Measures temperature
- Measures up to 15 amps
- Can get inductive loop to measure RPM
- Canadian Tire



12 volt battery pack

- Two 6 volt batteies wired in series to produce 12 volts
- Inline fuse on positive terminal
- Alternatively, a small lawn mower battery



Tools and Electric Supplies		
File	Page 10 of 11	Date: Nov 11 2021

Lisle 26250 Low Circuit Tester

- Lisle 26250 is an incandescent bulb tester
 - Length of wire and size of alligator clip are weak features
- LED testers are safer on modern cars with computers.
- LED testers might not work with positive ground



Incandescent test light

- Princess Auto taillamp with an 1157 double filament bulb.
- Join the two filaments in series to create a test lamp that provides a load for testing circuits.



5.1. T-Pins

- Useful for backprobing connectors



Tools and Electric Supplies		
File	Page 11 of 11	Date: Nov 11 2021

6. Miscellaneous tools

AST3 Bullet insertion tool

- For inserting bullets into bullet sleeves
- Autosparks UK



Pico 8257-31 Heat Shrink Torch

- Use as a torch, soldering iron, hot air blower or heat shrink tube tool
- Includes base stand, soldering tip, torch sleeve, hot air blower sleeve, shrink tube deflector.
- B&E Electronics, Graingers



Seam ripper

- Useful for unwrapping harnesses
- Available at any sewing store

