

Mega Torch Parts List

Description

Torch Body:

90mm Stormwater coupling sleeve
 90mm Stormwater pipe 1m long
 90mm pipe clips (pk of 4)
 Torch handle Prestige
 Torch Rubber feet (Pk of 4)

LED Parts

LED 100W (I used warm white)
 LED Lens and bracket

Electrical:

On/Off Switch (2 pole rocker switch)
 10k linear Potentiometer
 Knob Blue
 Push Button (black - momentary)
 DC-DC Buck Converter 1.25V-35V (for 12v fav)
 150W DC-DC Boost Converter 10-32V to 12-35V 6A (for 100W LED)

Battery Assy Parts:

18650 spacer 3 way
 XT connectors (1 Pair)
 Heatshrink (Blue 258mm)
 Heatshrink (Blue 150mm)
 Nickel Strip Tape (for battery assembly) NB: this link is to steel cored nickle plated
 Nickel Strip 8mm x 1m(for battery assembly) NB: this link is to steel cored nickle plated
 6S Balance Charger Cable
 Lipo buzer (these do not seem to be very accurate - see my video explanation)

Recycled Parts

Intel CPU fan
 18650 Laptop batteries
 Fan cage

Misc Parts

M3 csk bolts and nylock nuts
 Black & Red wire for DC wiring (7.5A)
 10k resistor 1/4 watt
 12k resistor 1/4 watt

Source

Qty

Link

Bunnings	1	https://www.bunnings.com.au/holman-90mm-pvc-stormwater-slip-coupling_p4750197
Bunnings	1	https://www.bunnings.com.au/holman-90mm-x-1m-stormwater-pipe_p4770093
Bunnings	1	https://www.bunnings.com.au/kinetic-90mm-dwv-pipe-saddle-clips-4-pack_p4920114
Bunnings	1	https://www.bunnings.com.au/prestige-96mm-polished-chrome-golf-pattern-pull-handle_p4022272
Bunnings	1	https://www.bunnings.com.au/madico-19mm-brown-screw-on-rubber-protec-surface-saver-4-pack_p3970292
Aliexpress	1	https://www.aliexpress.com/store/product/High-Power-LED-Chip-100W-Natural-Cool-Warm-White-Red-Blue-Green-UV-RGB-IR-Full/1913069_32636309980.html?spm=2114.12010615.0.0.Eimd18
ebay	1	http://www.ebay.com.au/itm/Durable-44mm-Lens-Fixed-bracket-For-10W-100W-leds-DIY-Reflector-Collimators-S48-/161993280994?hash=item25b78d4de2:g:pioAAOSwDujW1P-1
RS Components	1	https://au.rs-online.com/web/p/rocker-switches/2284581/
Jaycar	1	https://www.jaycar.com.au/10k-ohm-linear-b-single-gang-9mm-potentiometer/p/RP8510
ebay	1	http://www.ebay.com.au/itm/10PCS-Black-Knob-Blue-Face-Plastic-Rotary-Taper-Potentiometer-Hole-6mm-New-/31173953159?hash=item48951fcf37
ebay	1	http://www.ebay.com.au/itm/120PCS-12mm-Waterproof-Momentary-ON-OFF-Push-Button-Mini-Round-Switch-Black-/311518020155?hash=item4887ebc23b
ebay	1	http://www.ebay.com.au/itm/310925725572?_trksid=p2057872_m2749_l2649&ssPageName=STRK%3AMEBIDX%3AIT
ebay	1	http://www.ebay.com.au/itm/150W-DC-DC-Boost-Converter-10-32V-12-35V-6A-Step-Up-Charger-Power-Module-/201542939715?hash=item2ecec53443
ebay	12	http://www.ebay.com.au/itm/20pcs-Battery-Spacer-3x-18650-Cylindrical-Battery-Pack-Plastic-Heat-Holder-Black-/142101947613?hash=item2115efa4dd:g:ZGQAAOSwFdtXxR9c
ebay	1	http://www.ebay.com.au/itm/201481607252?_trksid=p2057872_m2749_l2649&ssPageName=STRK%3AMEBIDX%3AIT
ebay	1M	http://www.ebay.com.au/itm/150MM-95MM-PVC-Heat-Shrink-Tubing-Battery-Wrap-/391097092547?var=&hash=item99c6b7d317
ebay	1M	http://www.ebay.com.au/itm/258MM-164MM-PVC-Heat-Shrink-Tubing-Battery-Wrap-/320900216894?var=&hash=item76c2206290
ebay	1	http://www.ebay.com.au/itm/1m-Pure-Ni-Plate-Nickel-Strip-Tape-for-18650-Battery-Spot-Welding-Ni-Strip-/221871472190?hash=item33a891fe3e:g:u2wAAOSwT6pVStov
ebay	1	http://www.ebay.com.au/itm/8mm-x-0-15-1M-Ni-Plated-Nickel-Strip-Tape-For-Li-18650-Battery-Spot-Welding-/381477614898?hash=item58d1d67532:g:5gQAAOSw5VFWOH69
ebay	1	http://www.ebay.com.au/itm/10Pcs-651P-Balance-Charger-Silicon-Cable-Wire-JST-XH-Connector-Male-Female-Plug-/141971041440?hash=item210e222ca0:g:VqEAAOSw~oFXHcfeF
ebay	1	http://www.ebay.com.au/itm/322328965343?_trksid=p2057872_m2749_l2649&ssPageName=STRK%3AMEBIDX%3AIT
	1	Scrounge from an old computer
	18	Disassemble old laptop batteries
	1	Scrounge from an old computer