

Waist Pack Mod

Eveready Energizer headlamp HD33A2ODE or any red light headlamp.
Laminating and spiral wrap of Instruction book (we have this done by a local office supply store)
Constellation Booklet - ISBN-978-0-679-77998-8 (Barnes & Noble)
National Audubon Society Pocket Guide: Constellations of the Northern Skies
Celestron lens pen CE-93575 (or Orion)
Waist pack - Outdoor Products - "Marilyn" (Walmart)

Primary Mirror Mod;

Three 5mm dia x 30mm long .80 pitch stainless phillips flathead screws-washer-nylon locknut.
Permatex Plastic Thread Locker #19920

Eyepiece Mod;

Celestron 8-24 Zoom eyepiece CE-93230
Two 3mm dia x 8mm long .50 pitch stainless socket button head screws.
Permatex Plastic Thread Locker #19920
To prevent the silver 1 ¼ collar of eyepiece from unscrewing.
Also used on focuser collar and screws
Poly Rope - TW Evans- #4, 1/8, polypro cameo cord

Battery Box Mod

One AA battery box (Jameco 216102)
Two AA batteries
One 1/8 x 3/4 diameter rubber disc - cut from 4 x 4 x 1/8 (or 1/16th) rubber sheet
Originally I fashioned a cutter from a piece of 3/4 aluminum tubing
Now I use a Osborne #149 Arch punch to cut out the rubber disc
Two brass contacts - approx. 1/2 x 3/8 x .016 - cut from a 12" strip of .016 x 1/2 brass
Fine solder
Super Glue
Scotch Outdoor Mounting Tape

Moon Hole & Cover Mod

Velcro Ultra-Mate 1 x 3/4
Heyco 2" plastic hole plug (heyco.com #2783)
Poly Rope - TW Evans- #4, 1/8, polypro cameo cord (chose this as it does not snag on the velcro)

Decal Mod

Double sided scotch tape - 1/2"
Fellowes 9 x 12 self adhesive laminating sheets

Shopping List

Orion

Orion 4.5 Starblast

OPT - <http://www.optcorp.com/>

Celestron lens pen CE-93575

Celestron 8-24 Zoom eyepiece CE-93230

Staples

Lamination of Instruction books approx 25 per book - #648743 laminate, #381858, spiral binding

Barnes & Noble <http://www.barnesandnoble.com/>

National Audubon Society Pocket Guide: Constellations of the Northern Skies

ISBN-978-0-679-77998-8 Cost 7 to 10

Walmart

Outdoor Products, "Marilyn" waistpack Cost 6 in store, 15 online

Bolt Depot - <http://www.boltdepot.com> - buy each in bulk of 100per or more

5mm dia x 30mm long .80 pitch stainless phillips flathead screws

5mm stainless washer

5mm .80 pitch stainless Nylon Insert nut

3mm dia x 8mm long .50 pitch stainless socket button head screws

Jameco Electronics - <http://www.jameco.com>

AA Battery box - #216102 Cost .69 in bulk

Heyco - <http://www.heyco.com/>

2" hole plugs #2783 cost .82 in bulk

JB Rope supply - <http://www.jbrope.com> Need 5 feet per scope

TW Evans- #4, 1/8, polypro cameo cord #CMCRD1/8-98450, 500' Cost 26 but site has 10 fee.

(Can also buy 50' #98443 locally at higher per foot cost.)

Lowe's/Home Depot

Red light Headlamp - Eveready - HD33A2ODE - or whatever is available - expect 13-14 dollars cost.

Local Purchases - Hardware / Office Supply

Cutting mat

Razor knives

Permatex Plastic Thread Locker #19920

Super Glue (found that the "Gel" super glue works best - less runny)

AA batteries - need two per scope

4" x 4" x 1/8 (or 1/16) rubber sheet (automotive section)

12" strip of .016 x 1/2 brass

Roll of fine solder

Scotch Permanent Outdoor Mounting Tape

Velcro Ultra-Mate - 1 x 3/4 Comes in pkg of 10

Double Sided Scotch tape

Fellowes 9 x 12 adhesive laminating sheets (other brands are not as good)