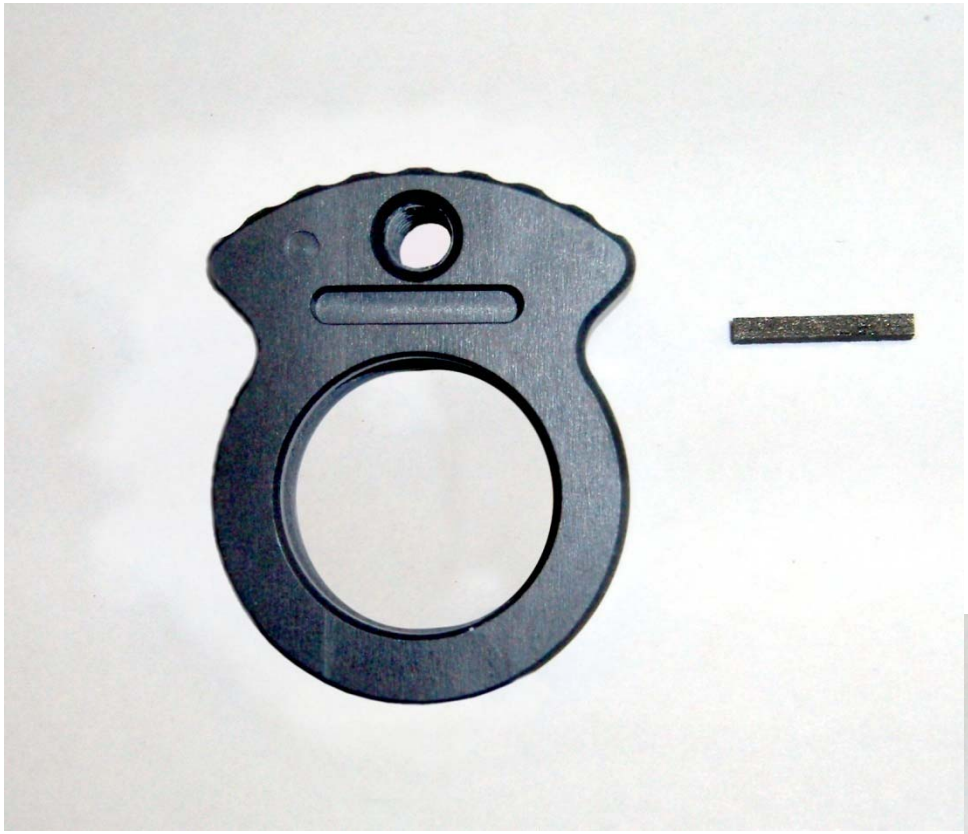
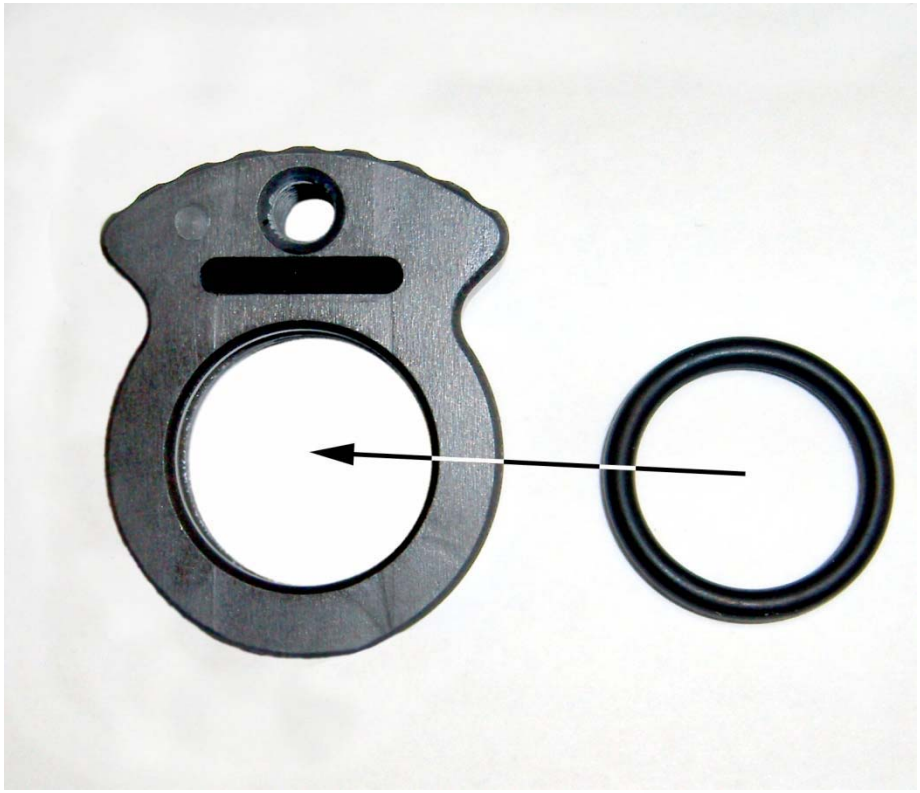
Service manual for L197LED3-K PHANTOM™ and L197LED20-K PHANTOM™ dive lights.

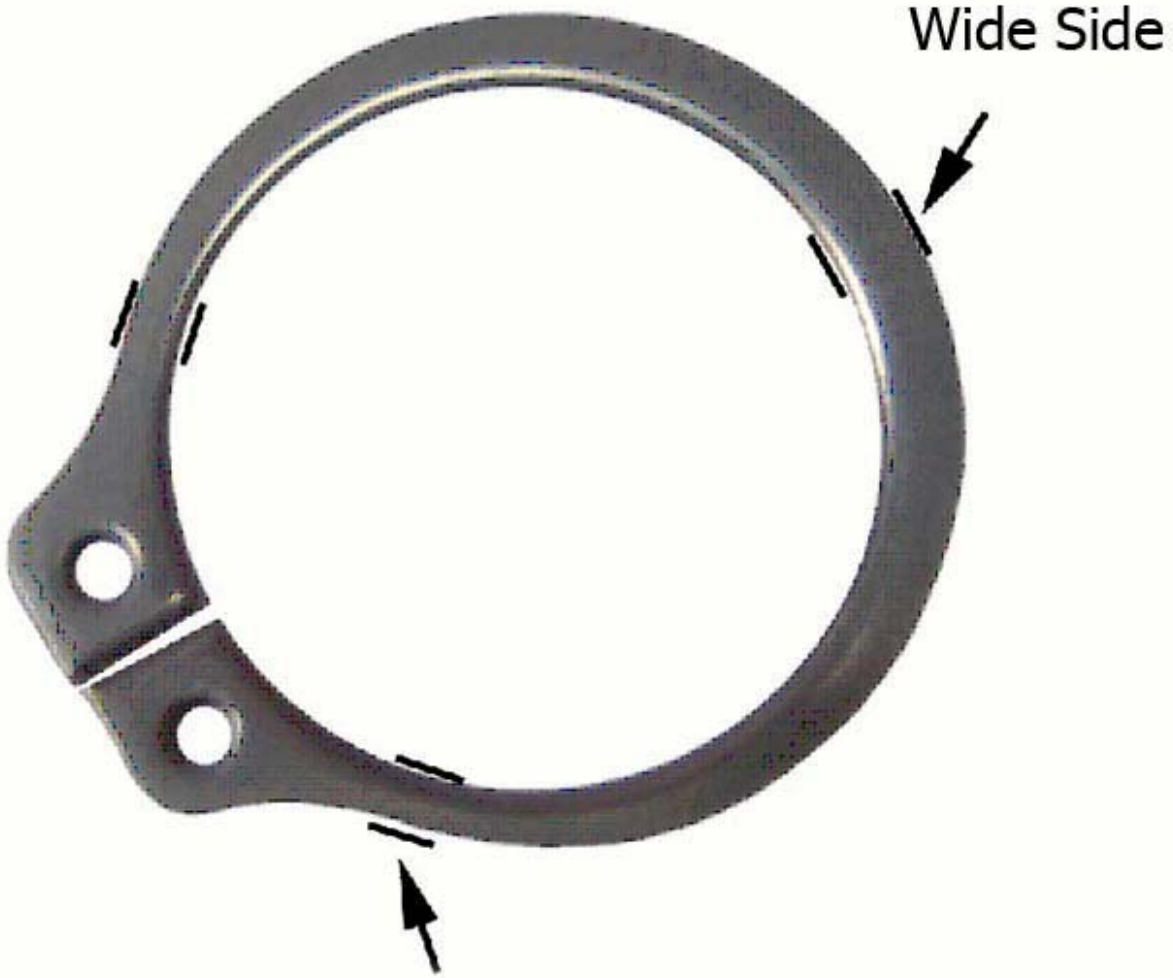
To begin the assembly process,
epoxy the magnet into the ***Actuator Switch***, and
let harden for 8 hours.





Place the flat washer over the hose support standoff, and apply grease to the washer.

Then, place the actuator switch over the hose support standoff, and push down using a twisting motion until the switch bottoms out. Next, insert the small thin *White Nylon Washer* on top.


Wide Side
Narrow Side

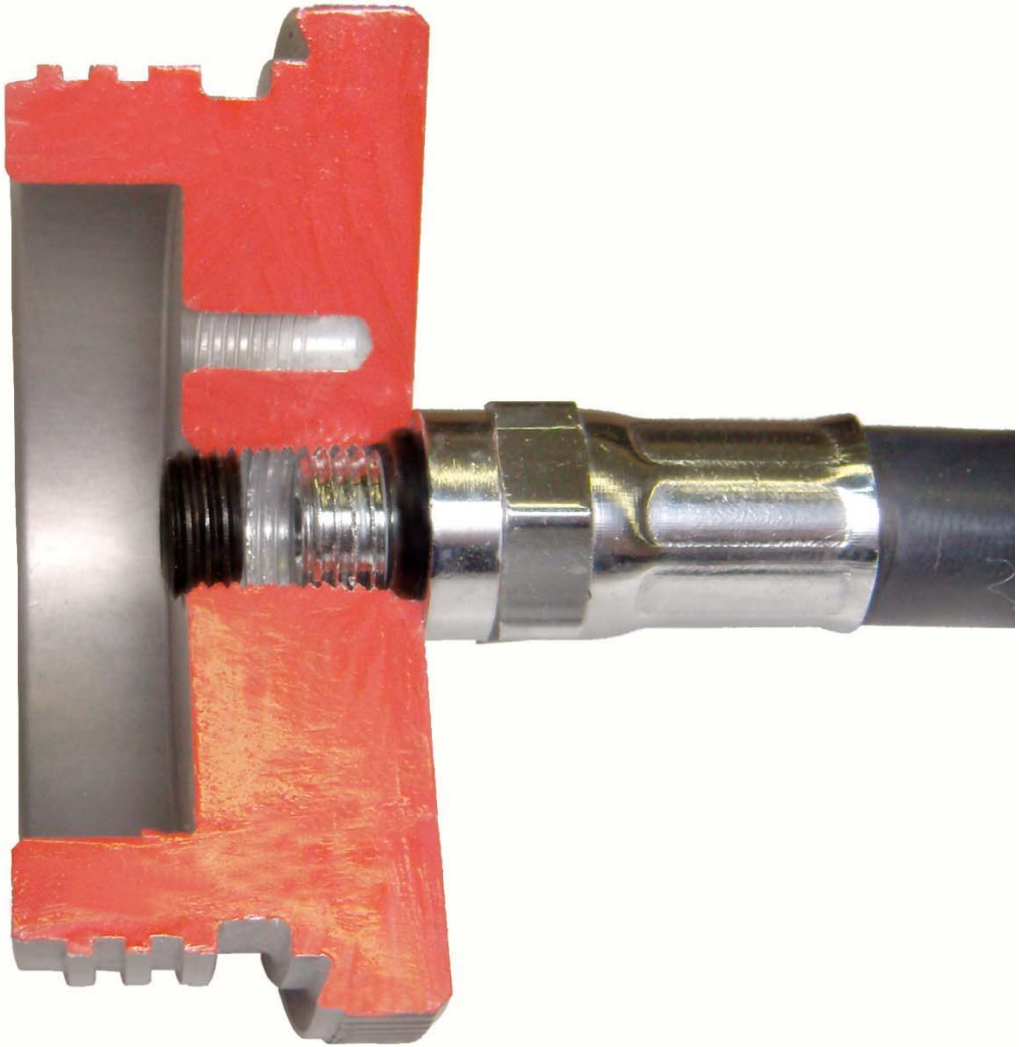
You will now be assembling the hose to the Light Head and the metal Canister End Cap.

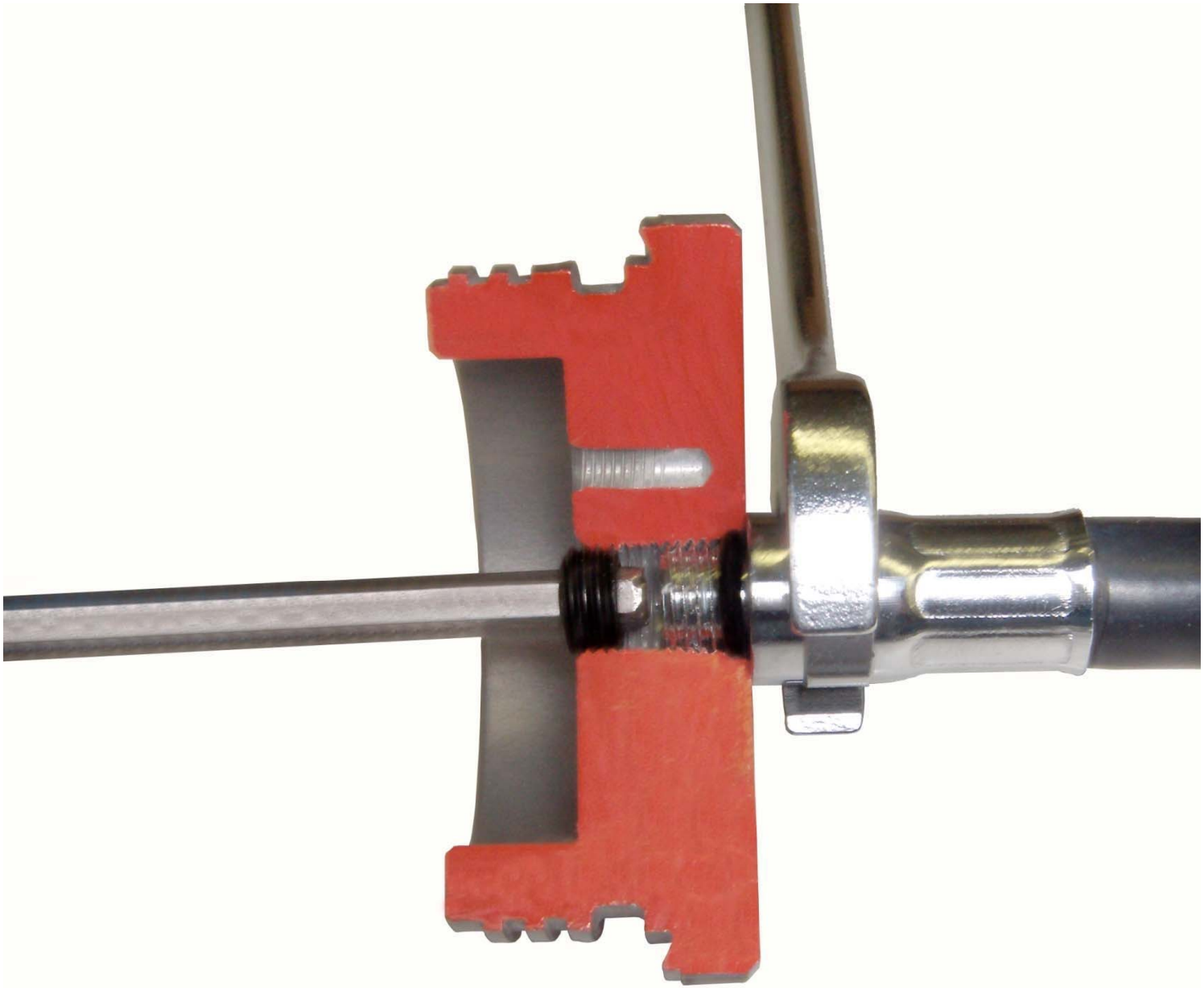
Before you start, apply a small amount of grease to the *Light Head* and *End Cap O-Ring* seating areas. These areas are where *Hose O-Rings* will seal. Lubricate both hose O-Rings, and then apply a small amount of Loctite #242 Blue (thread-locking fluid) to the threads. Do not get any on the *O-Rings* ! (If you do, replace the O-Ring) and repeat the previous steps.

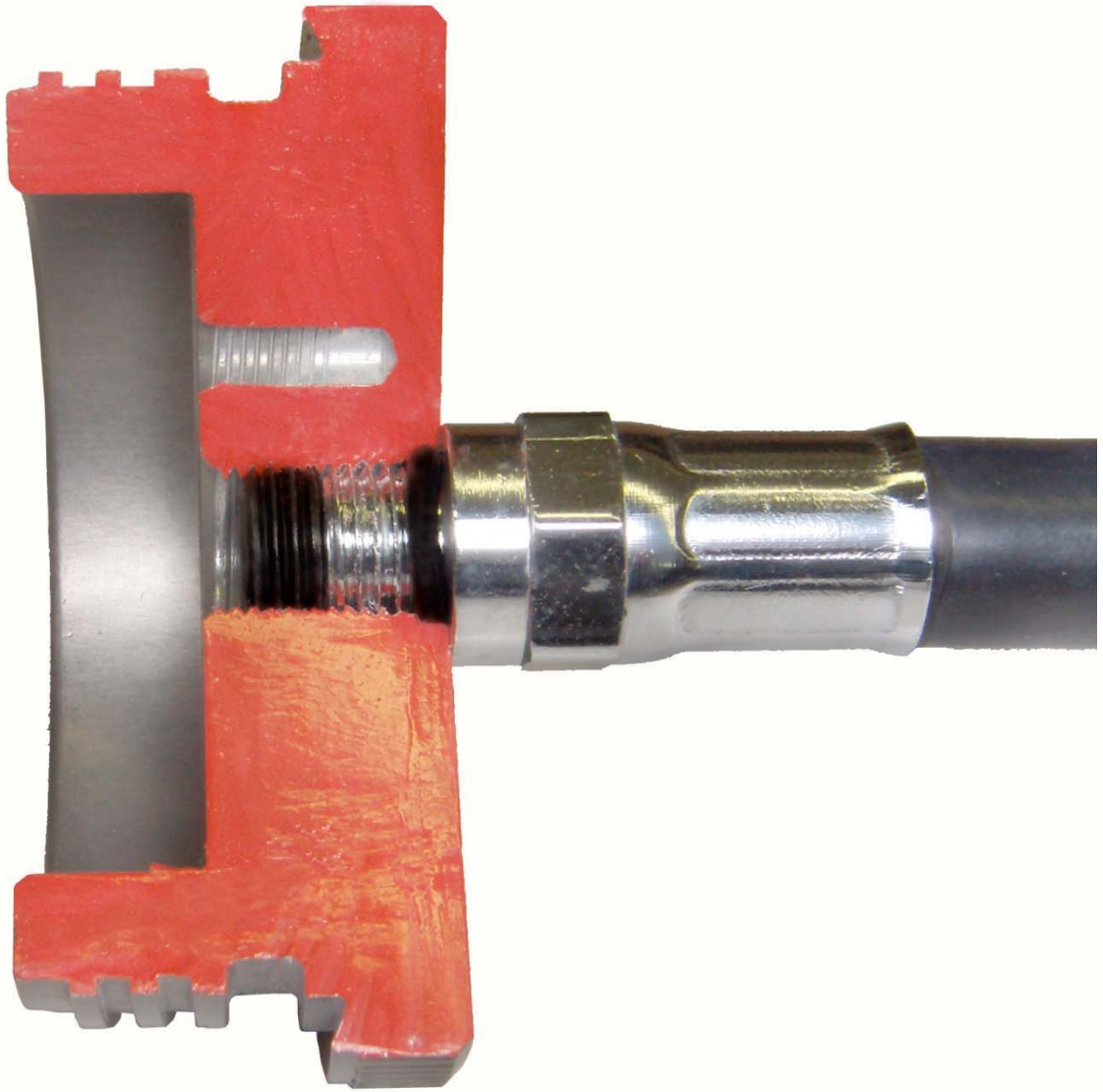
CAUTION-DO NOT EXCEED 25

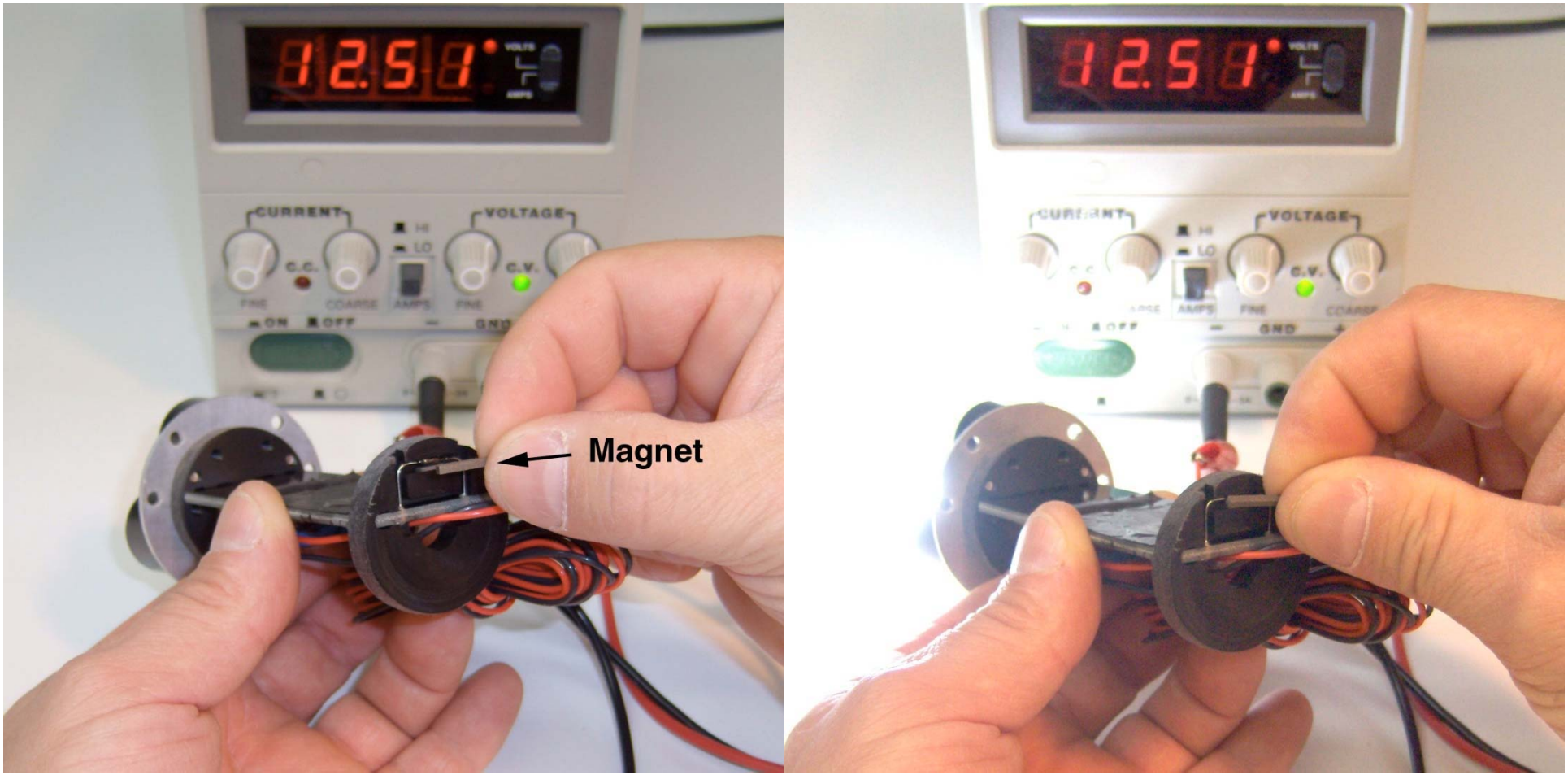
DO NOT REMOVE

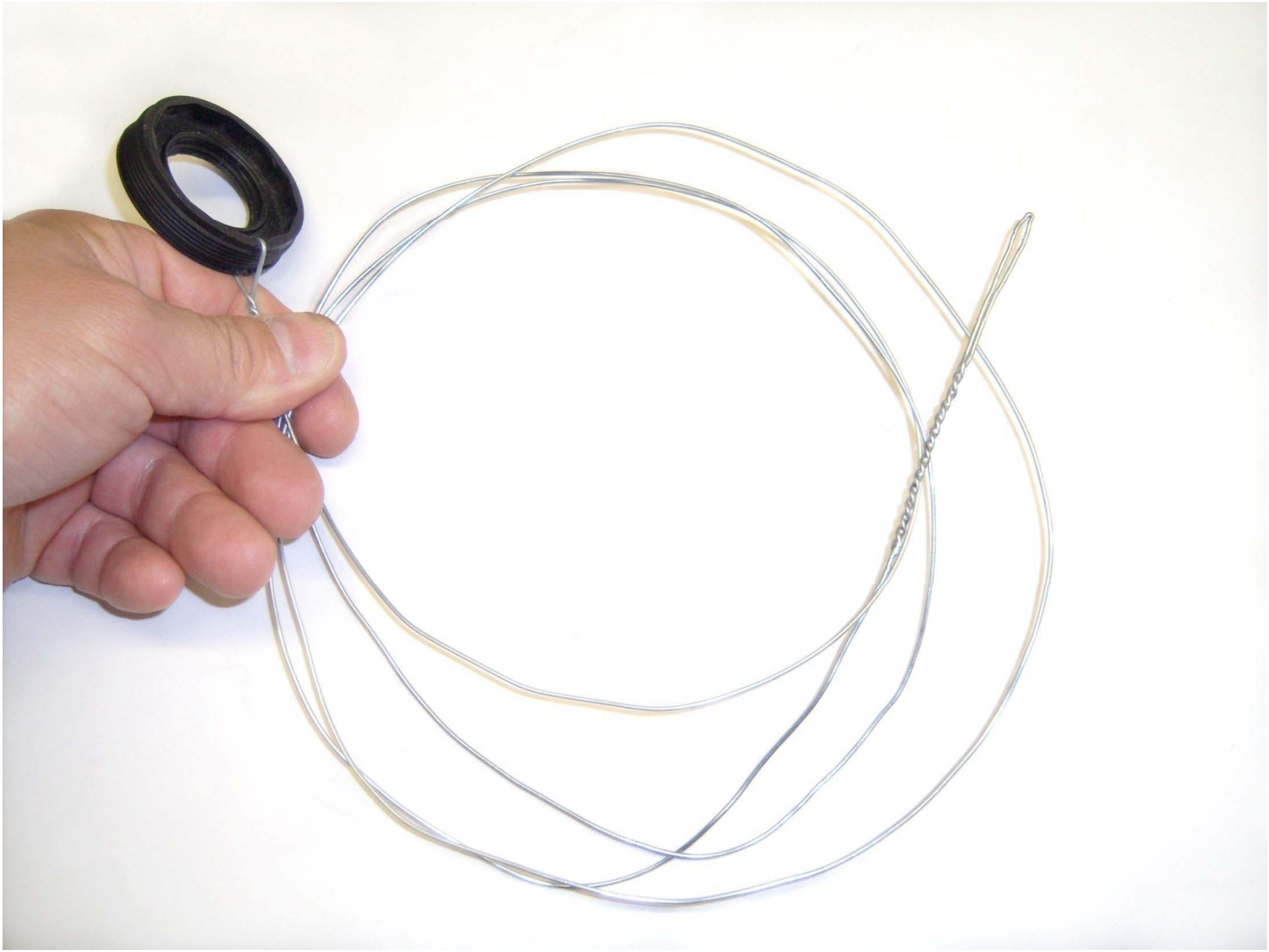
REMOVE

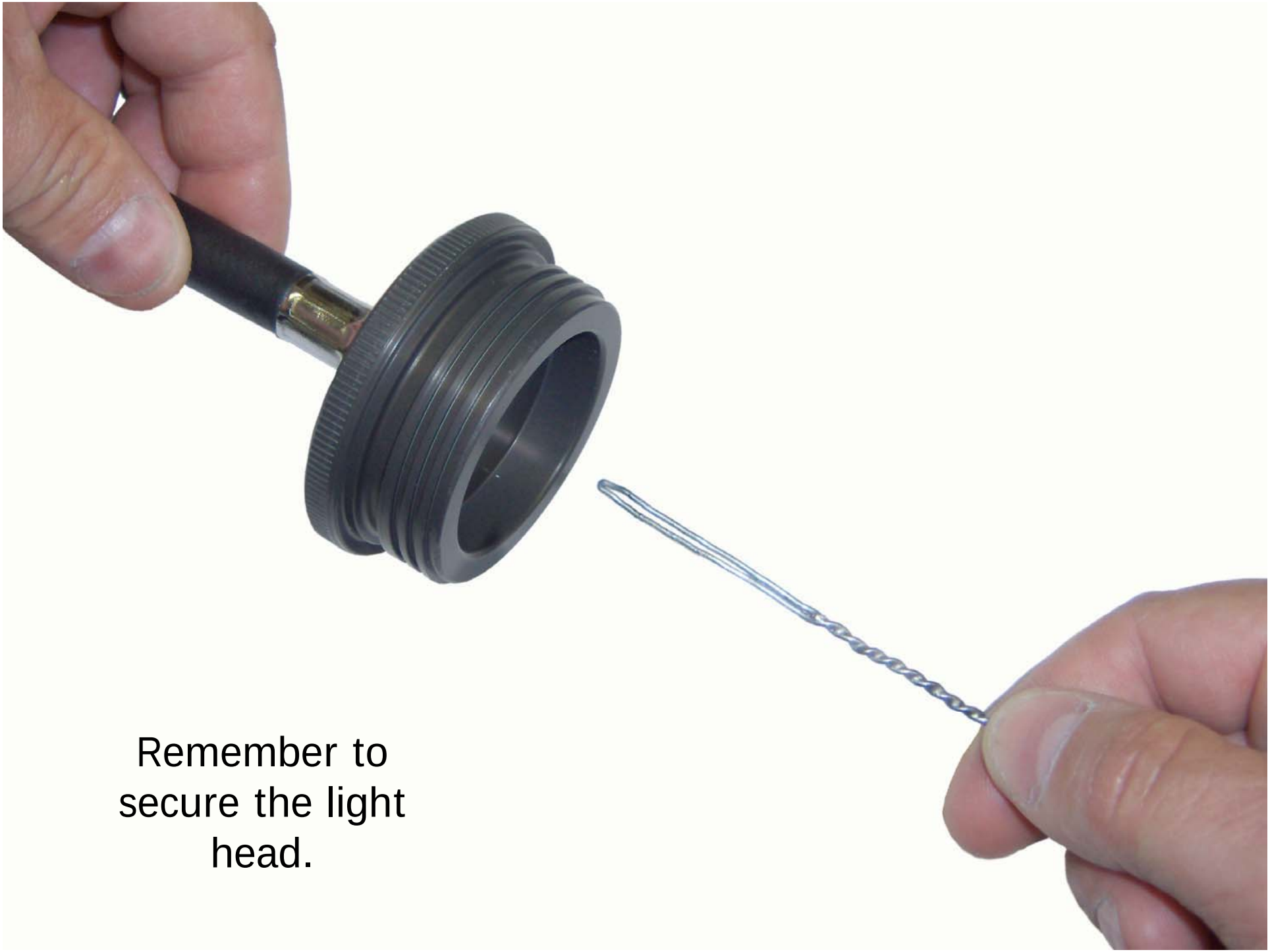




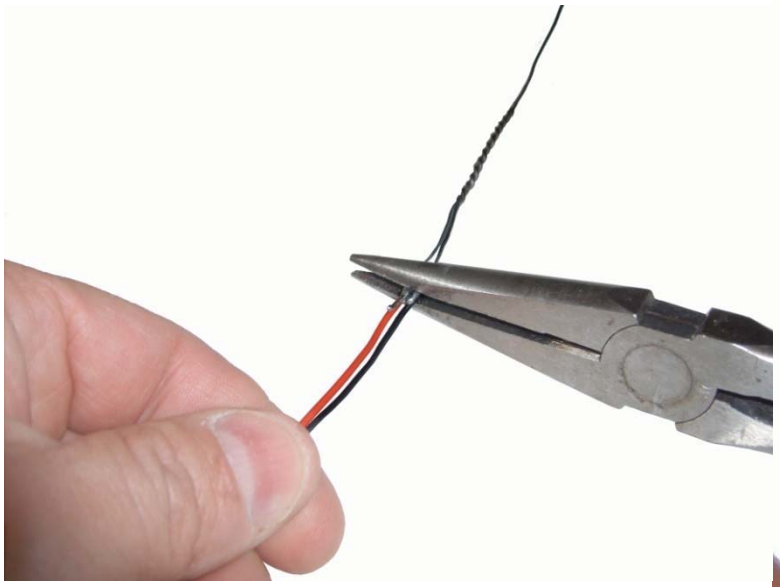


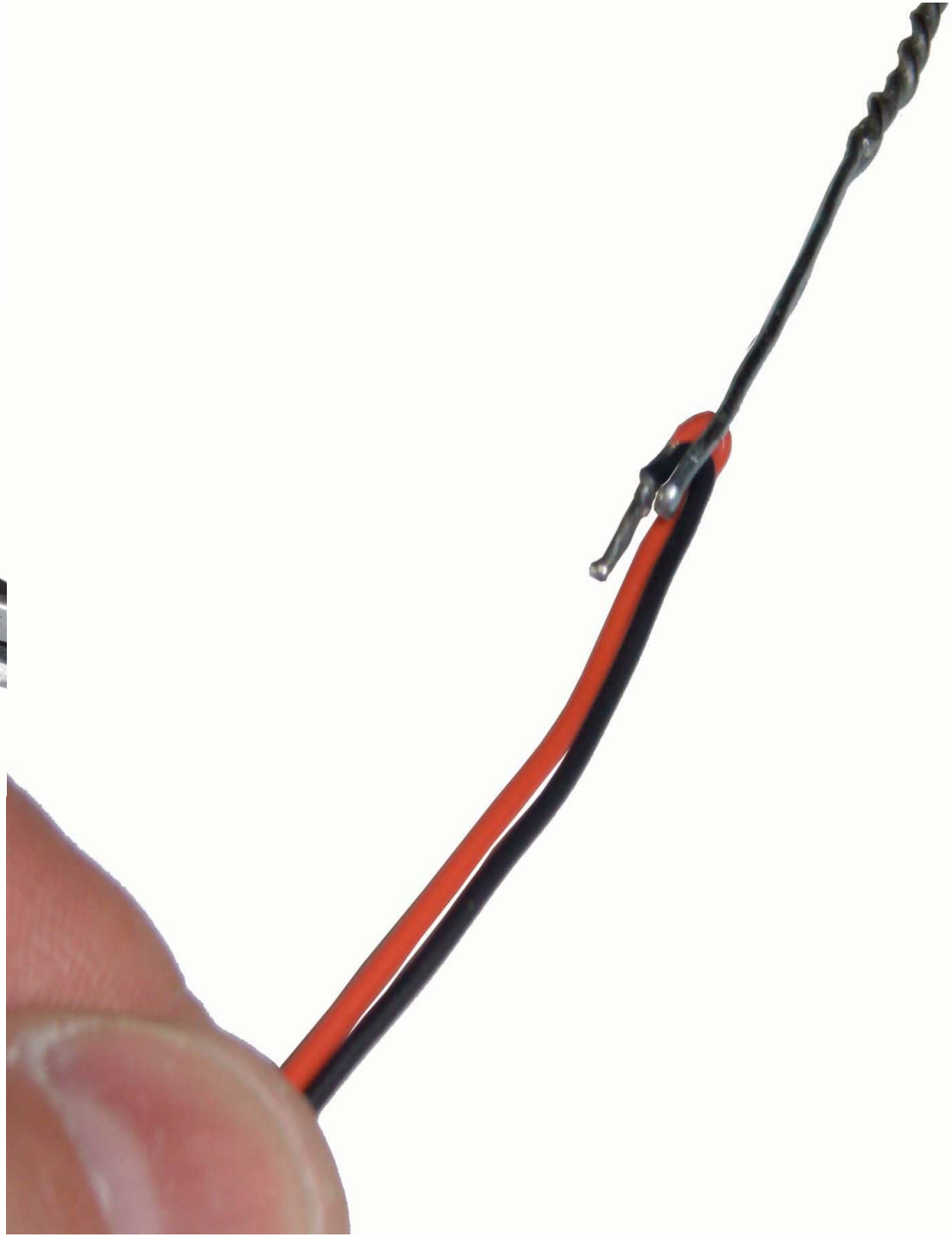

12.51
CURRENT
VOLTAGE
C.C.
C.V.
FINE
COARSE
AMPS
HI
LO
ON
OFF
GND
Magnet

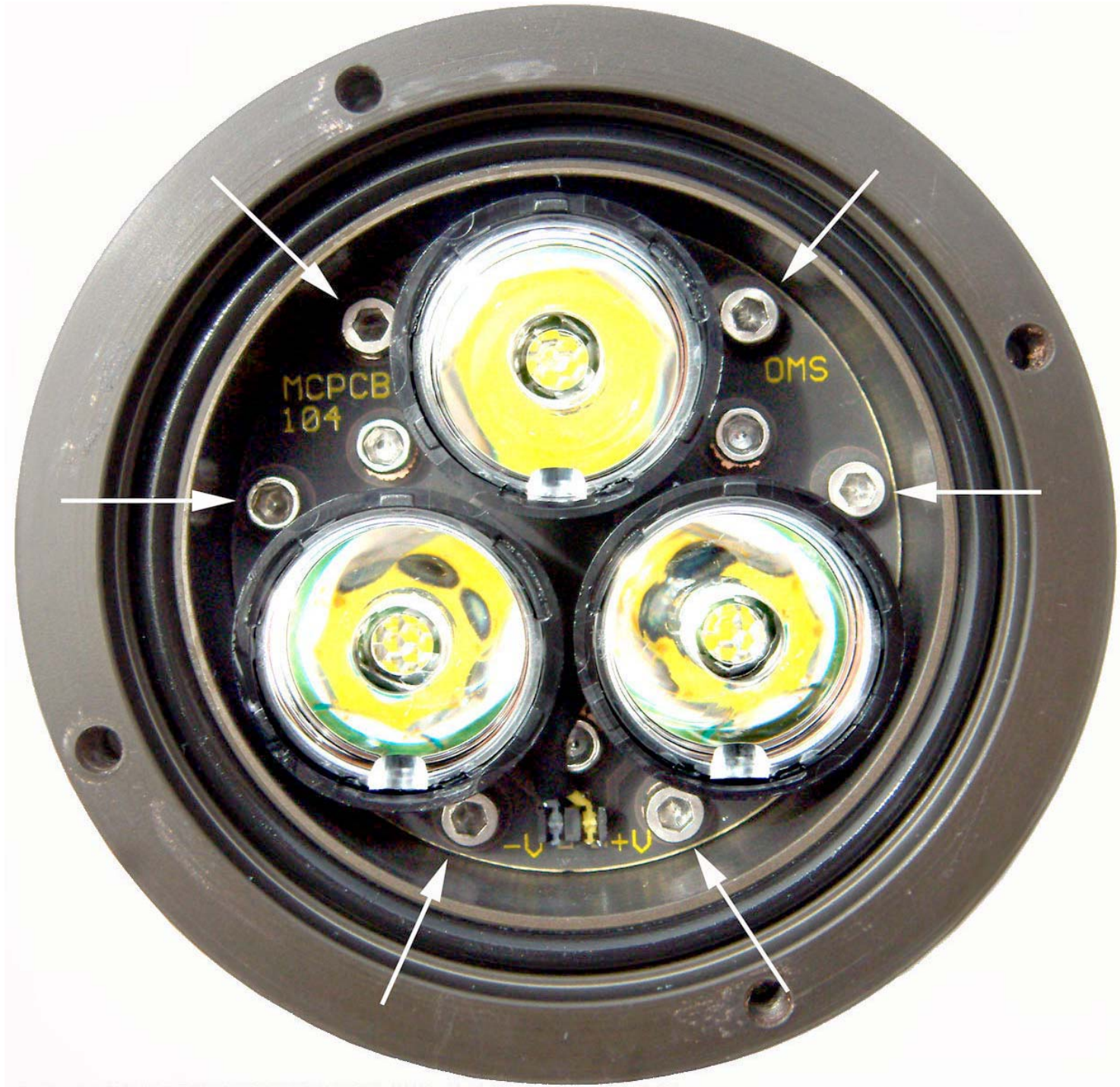


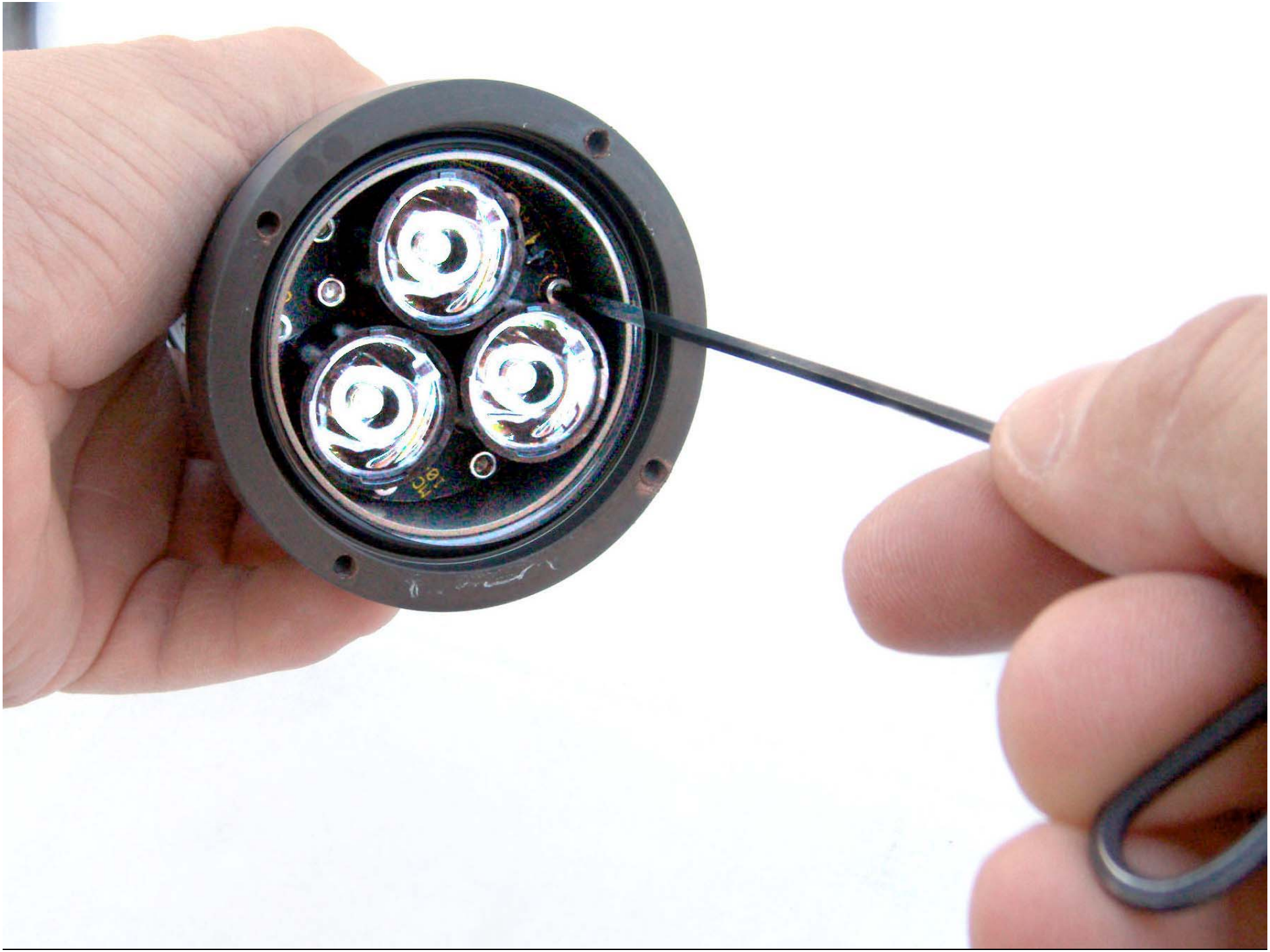


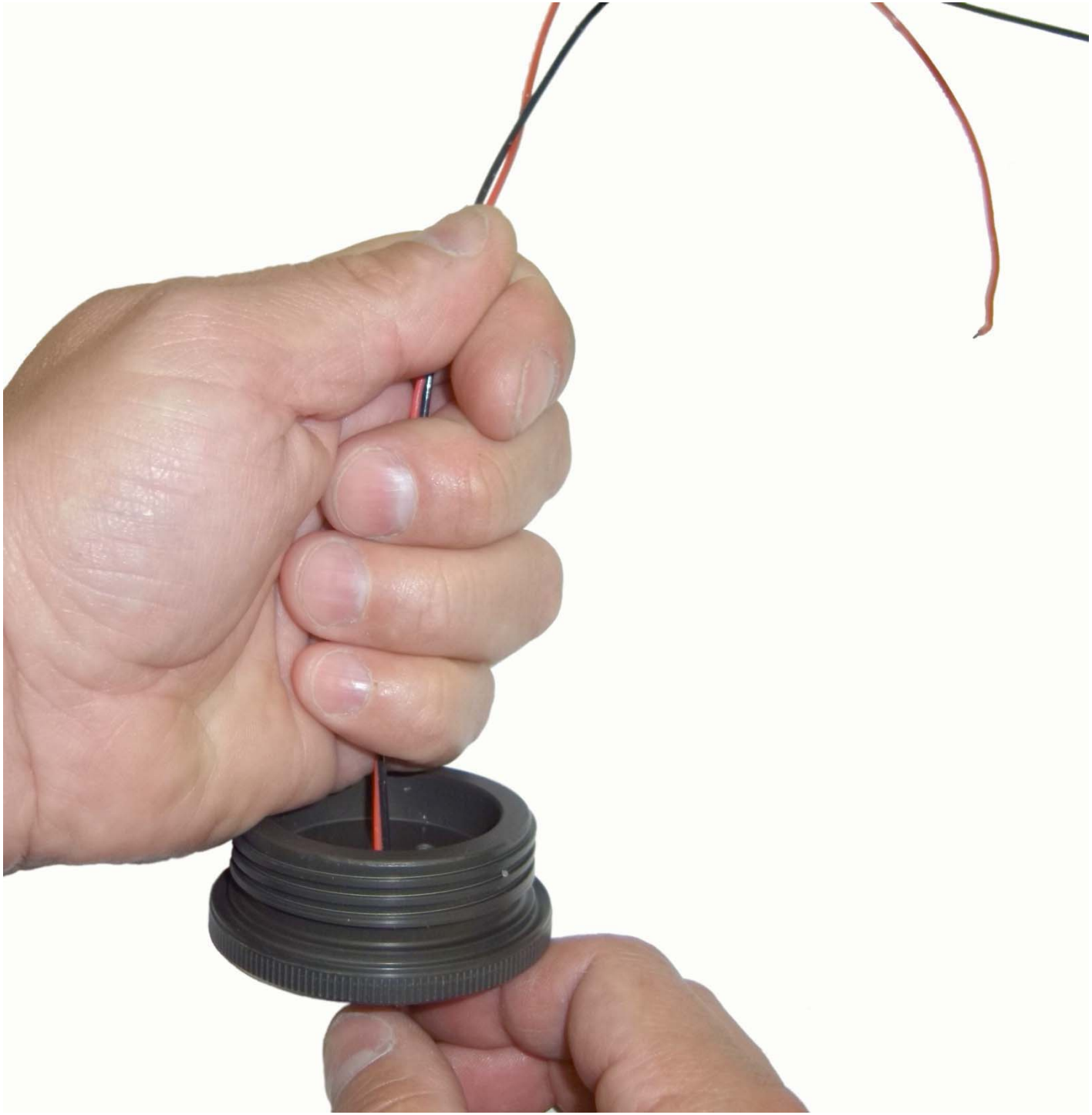
Remember to secure the light head.



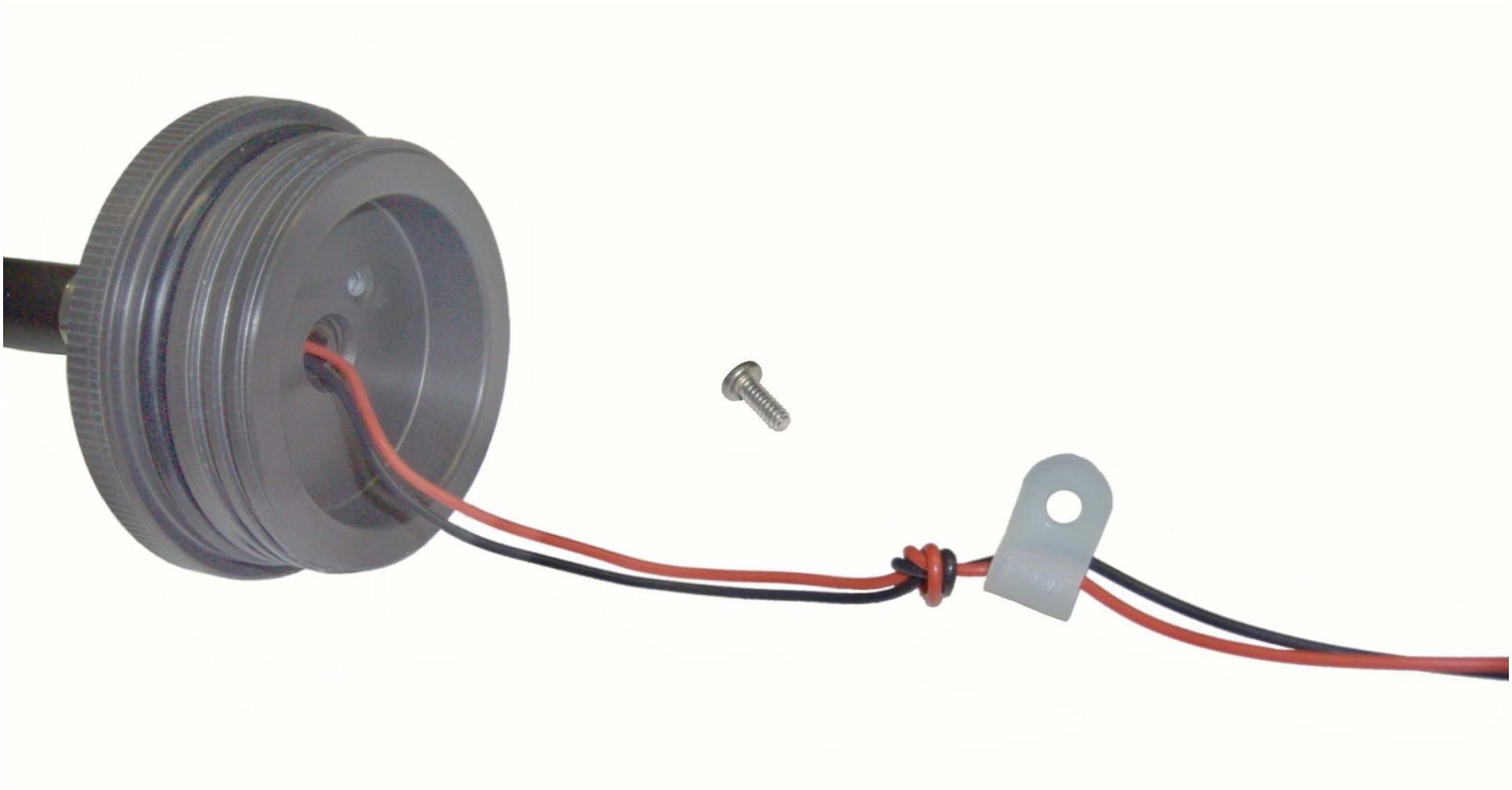



MCPCB
104
OMS
-V
+V



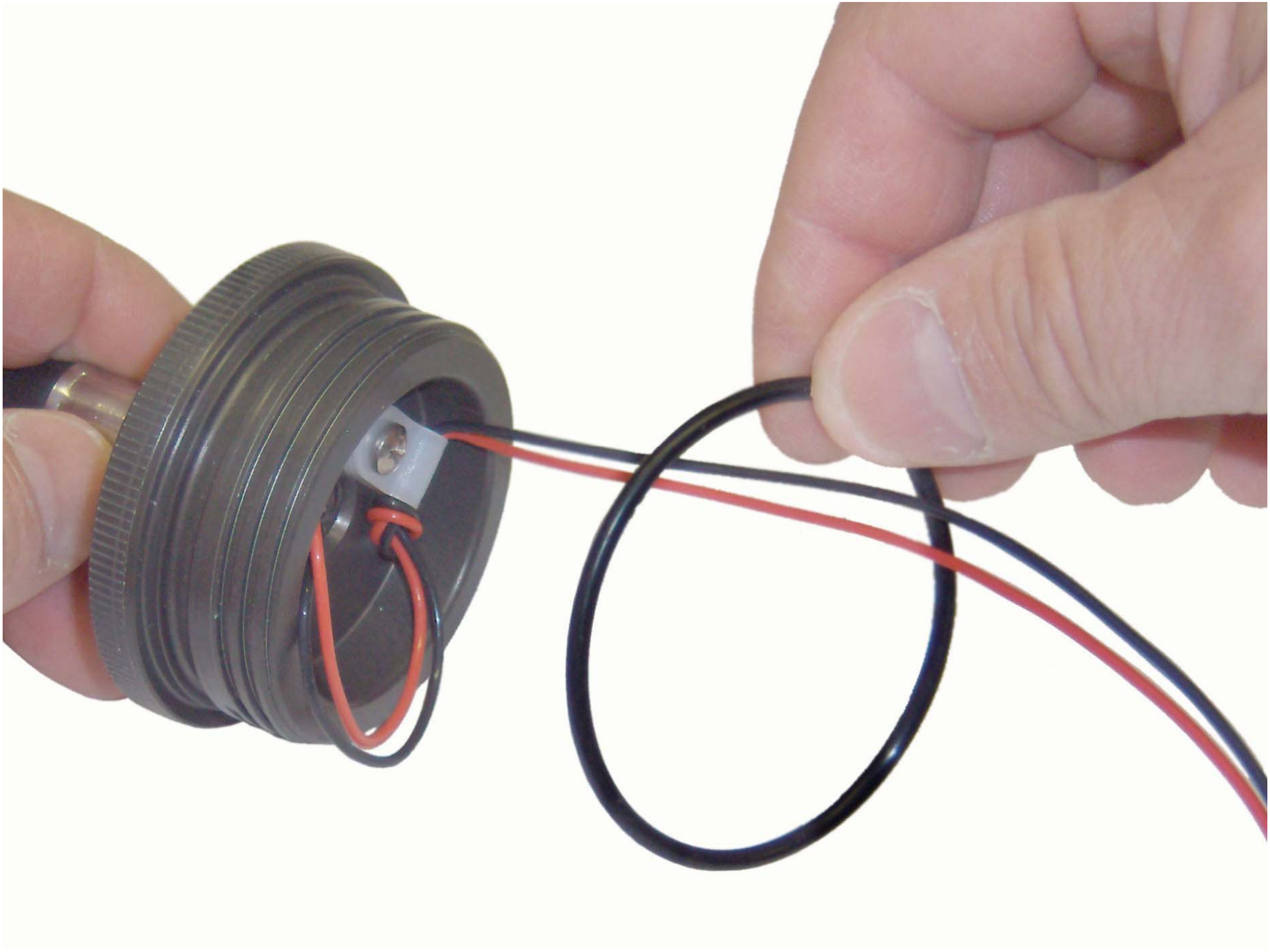


4” length

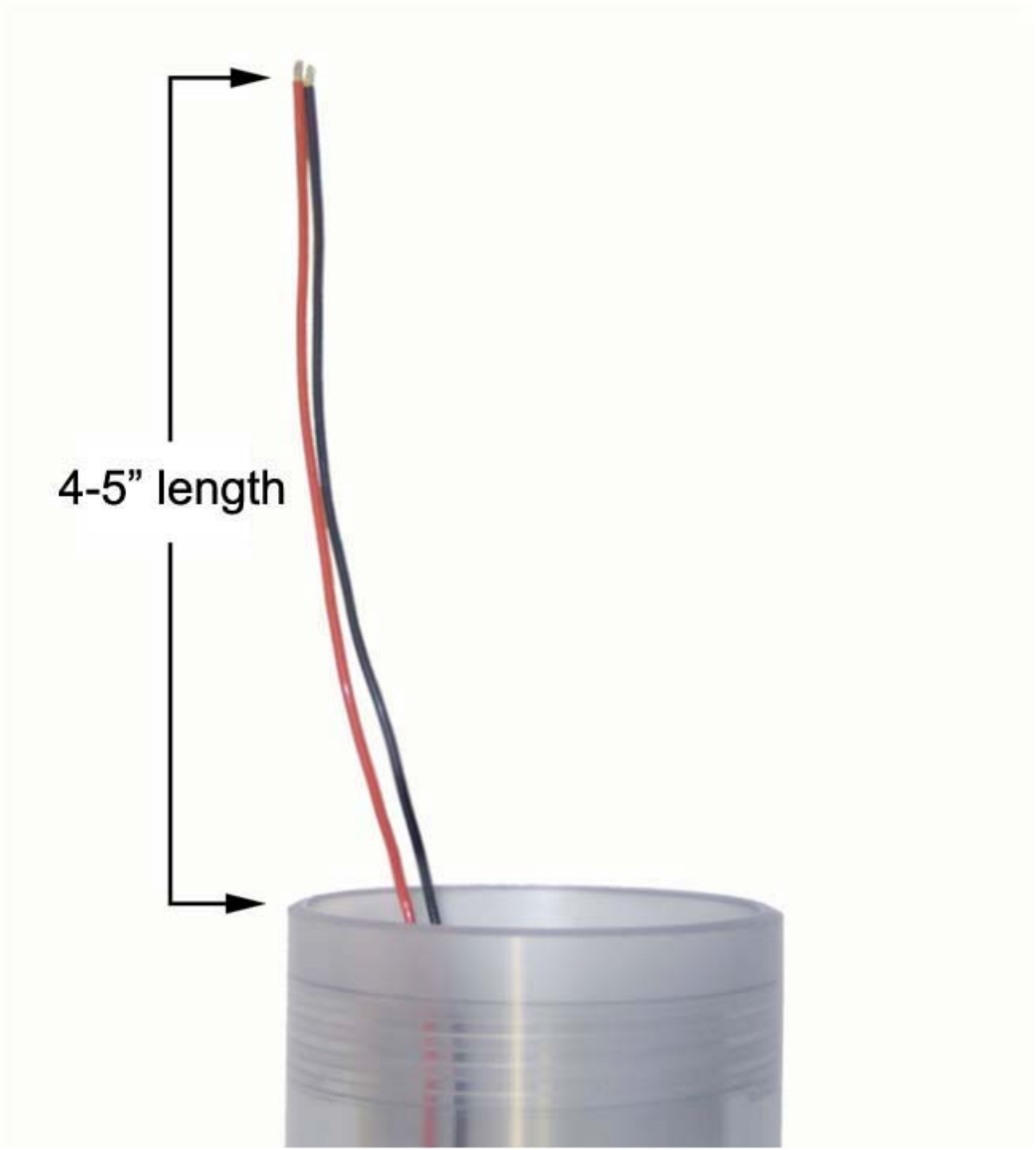


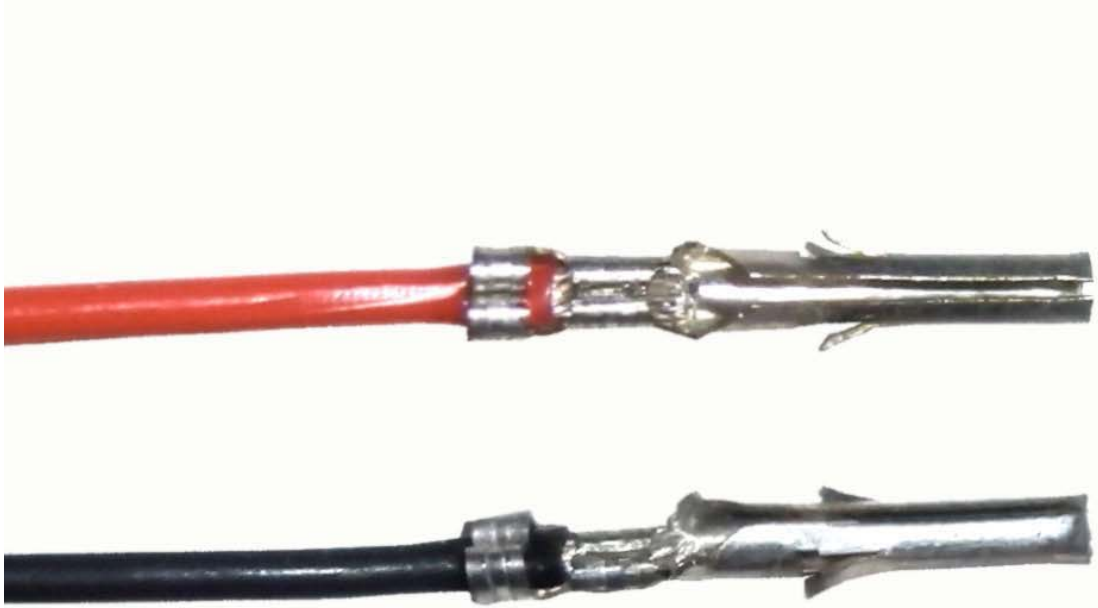
Next, place a lightly lubricated O-Ring in the groove of the metal end cap as shown.

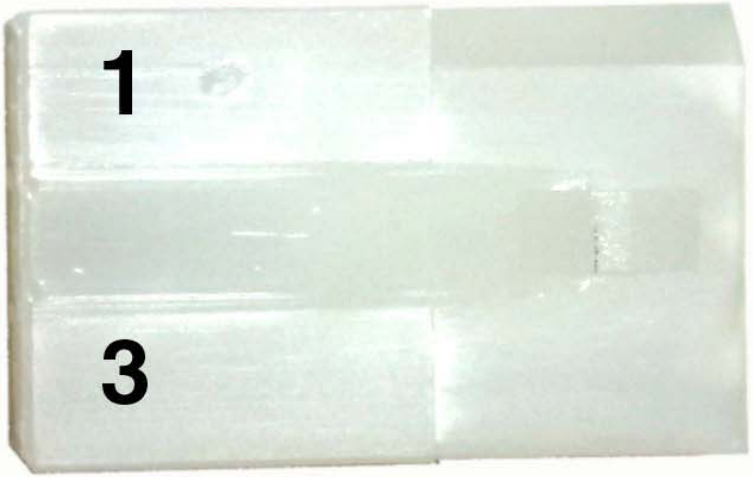
Apply a light coat silicone grease on the canister area where this O-Ring will seat (above the canister threads) before screwing in the End Cap.

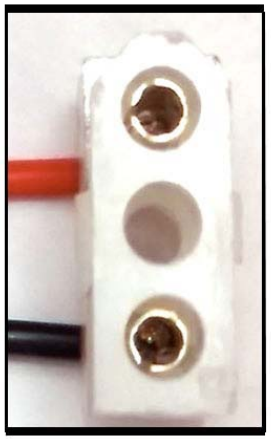


Cut
here


4-5” length







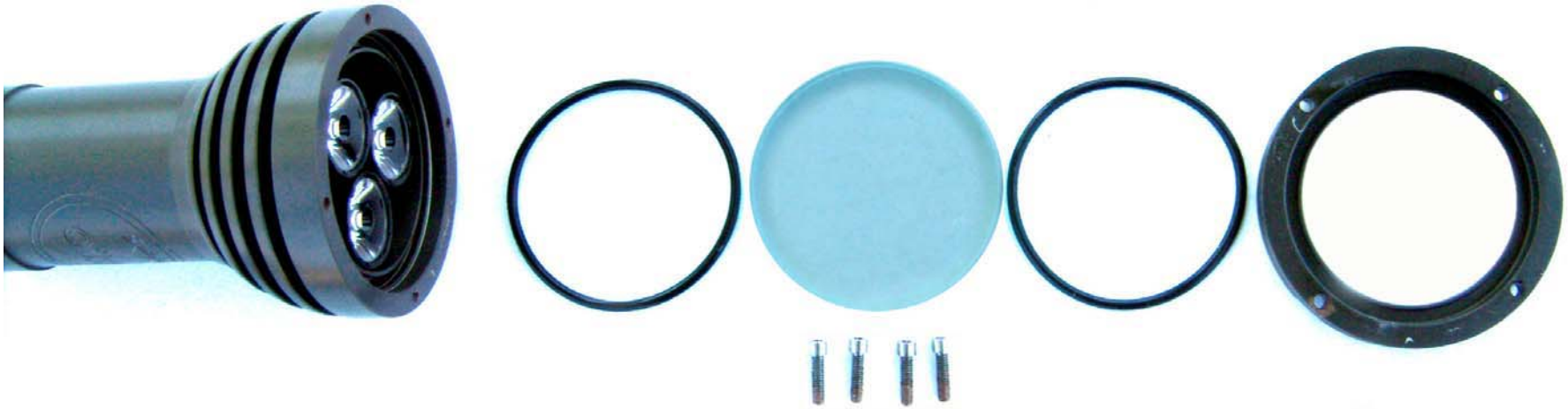
Pin1 Red
Pin2 None
Pin3 Black

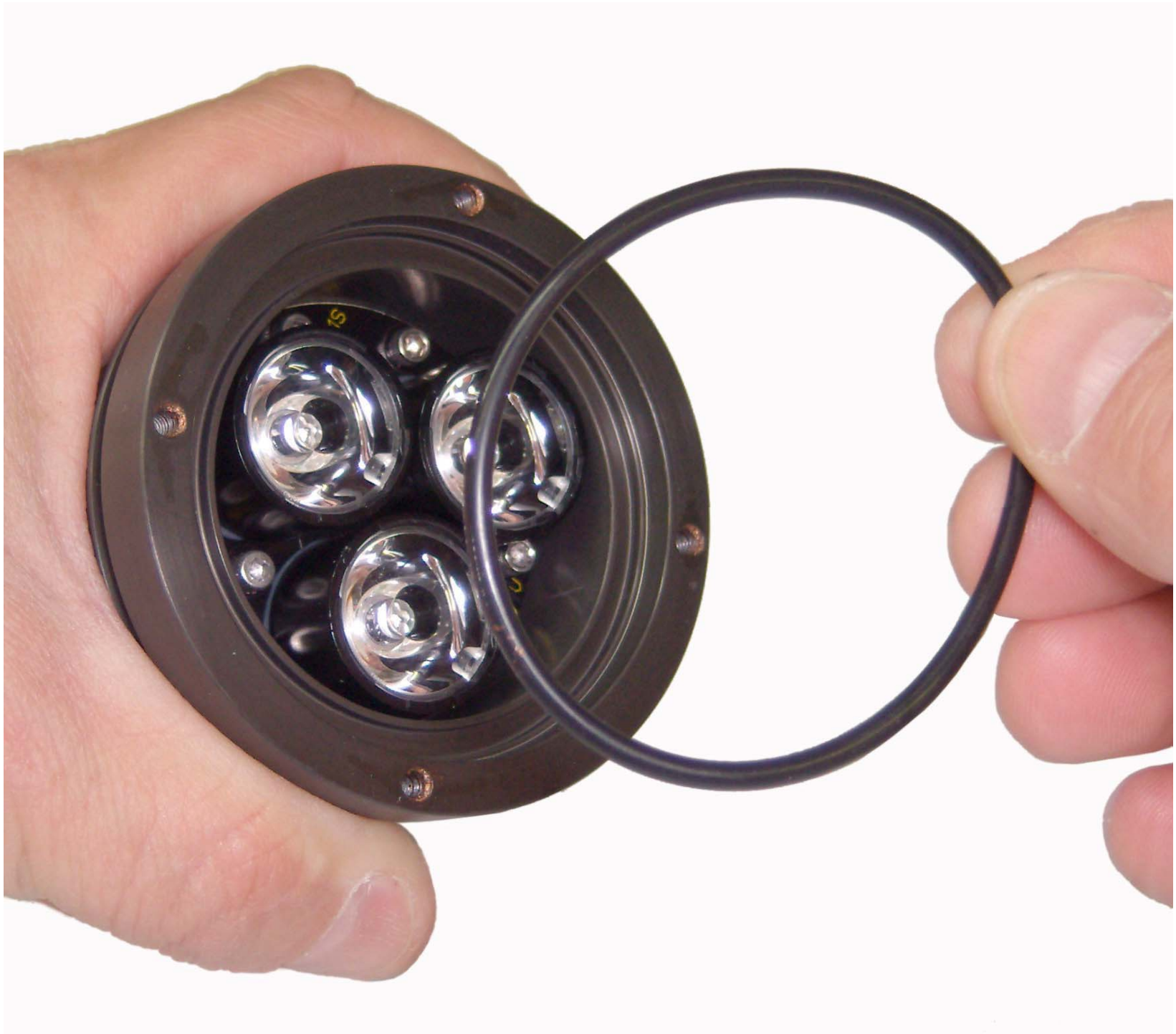
Male Molex Connector
Digikey P/N 03-06-1032
with Female Pin
Digikey P/N 02-06-1103

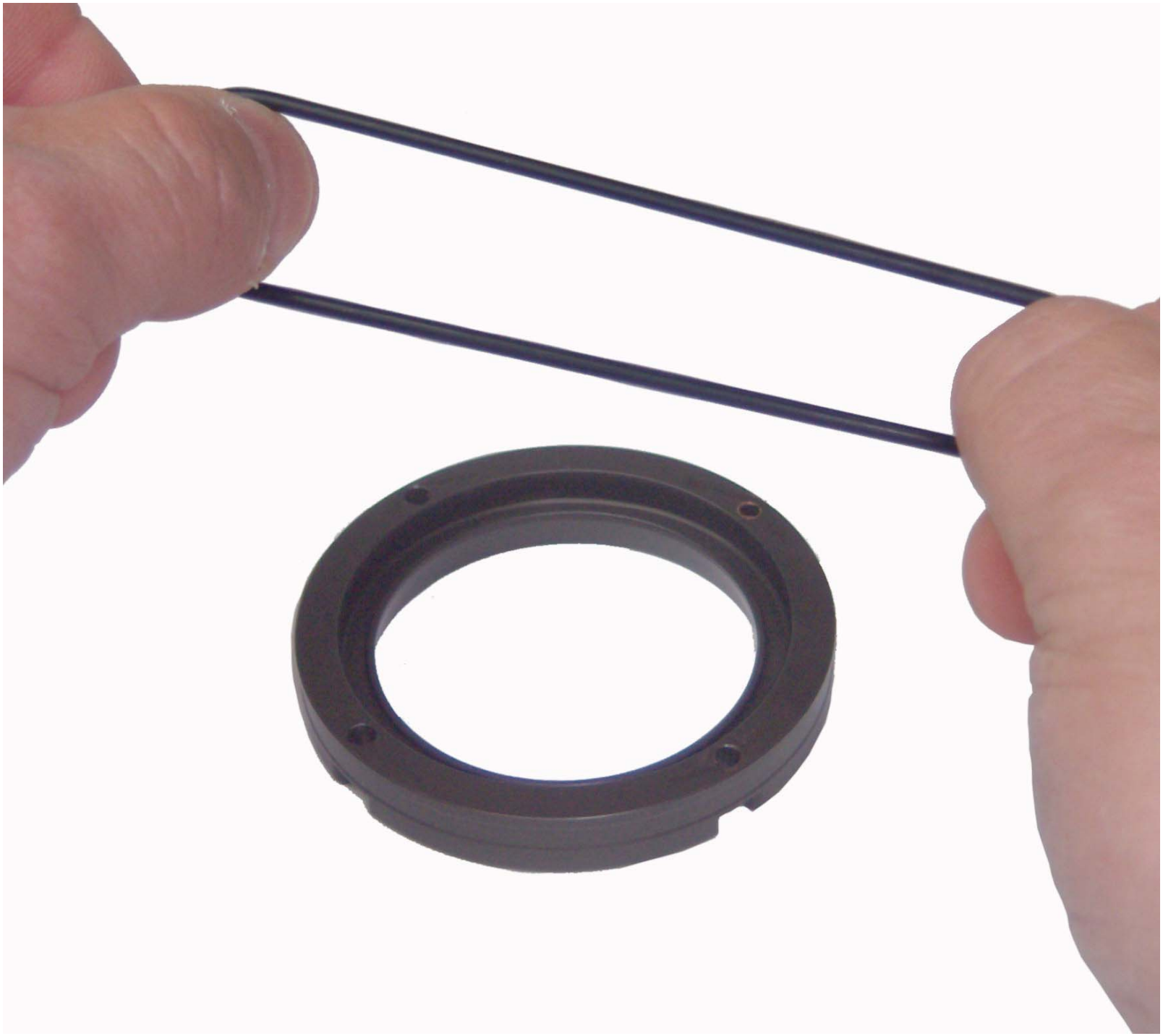
Now troubleshoot to see if you have a good electrical connection.
Test the light by plugging the connector into a power supply or battery. If it does not light up, this may indicate the following: a bad connection between wires and pins, the wire leads may not have been stripped correctly, pins may not be in the proper holes, wires may be inserted backwards, or the pins may not be properly crimped to the wire leads.

Install the *Lens* and *Front Lens Retainer Ring.*

The following picture shows the order of the parts.

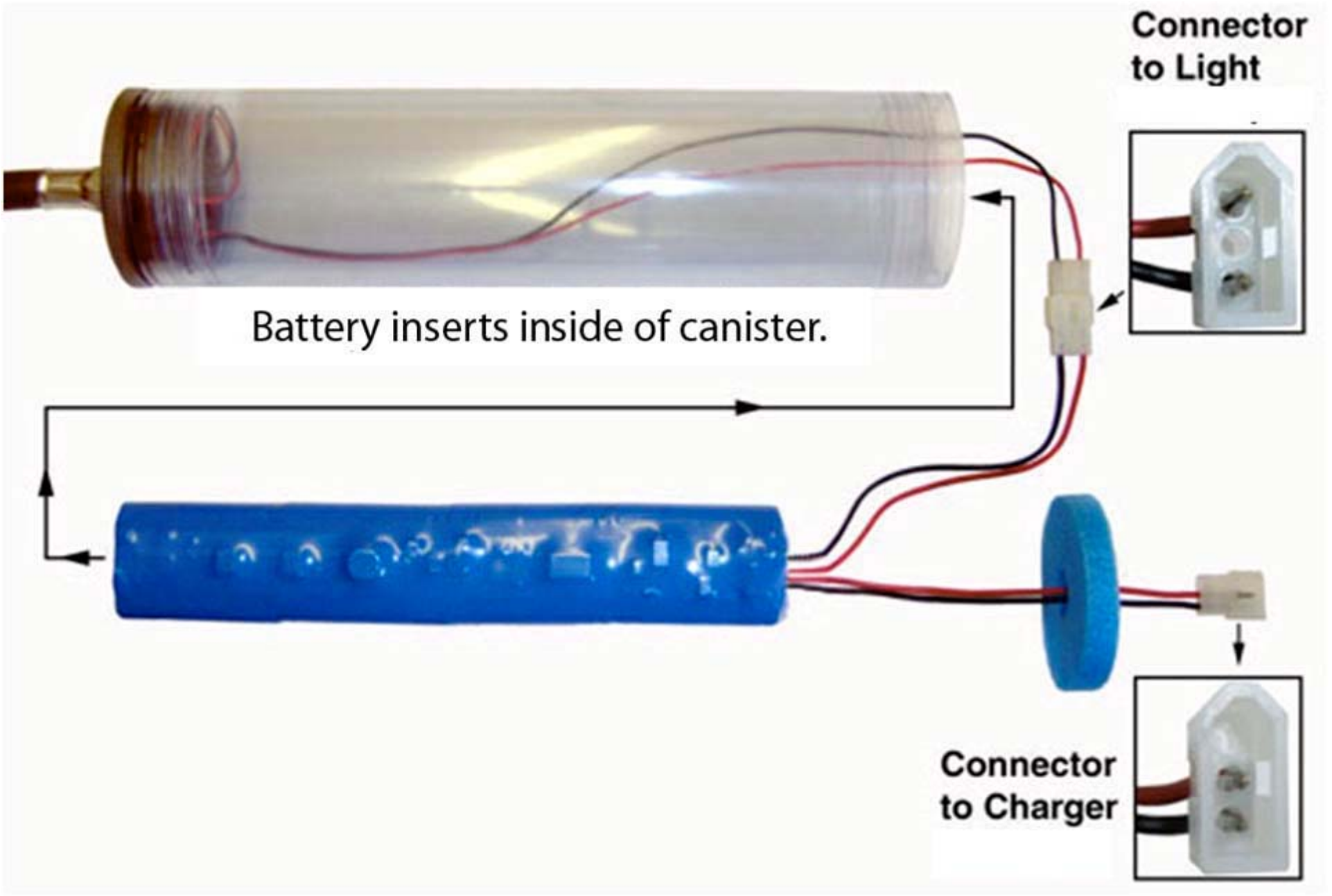


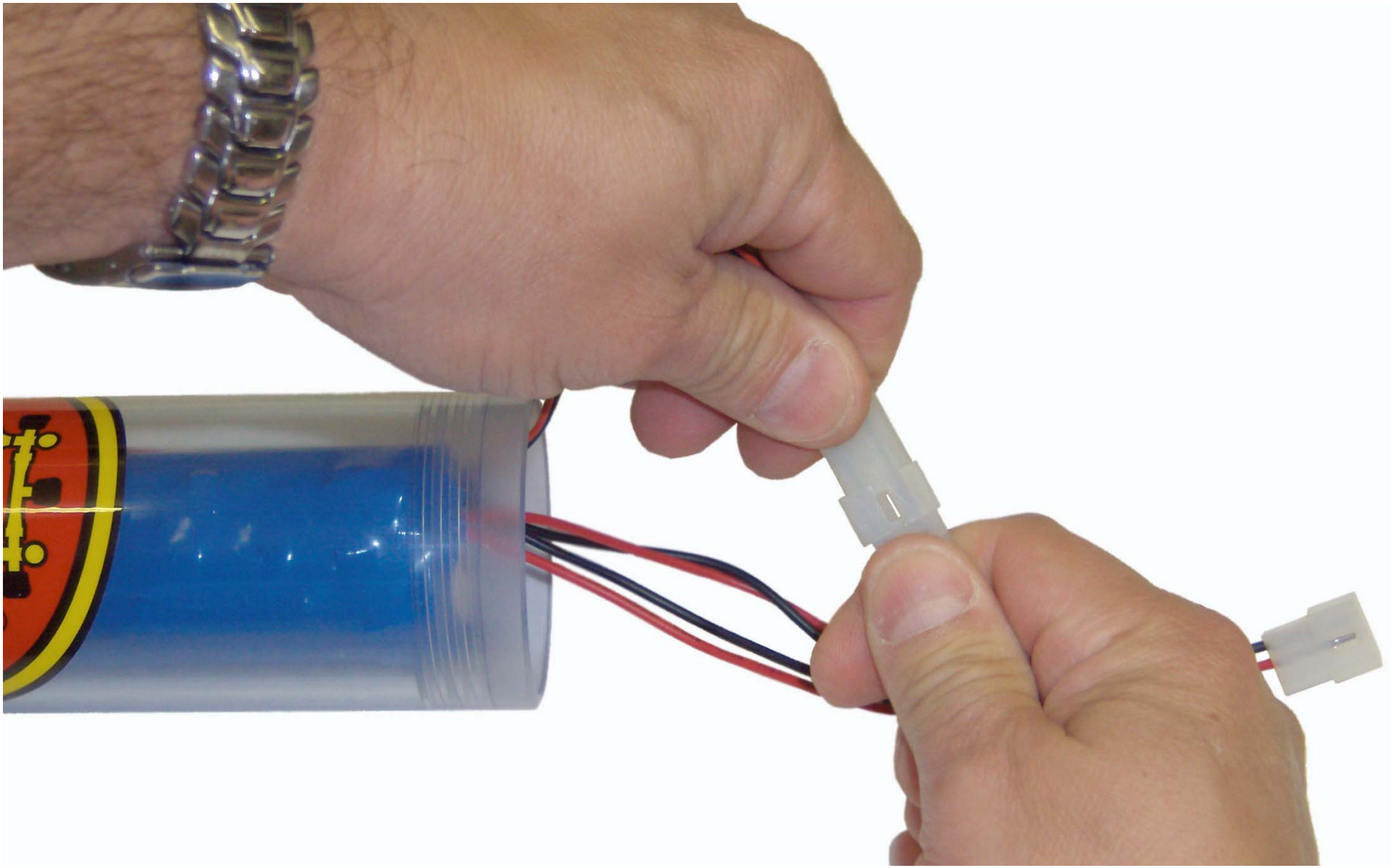




C5-A® Copper
Anti-Seize Stick
NO. 37229
Anti-aferrante C5-A® cobrizado en barra
CAUTION: MAY CAUSE EYE AND SKIN IRRITATION. Read back panel.
PRECAUCIONES: PUEDE CAUSAR IRRITACIÓN DE LOS OJOS Y LA PIEL. Lea el panel posterior.

OMS
OMS
OMS

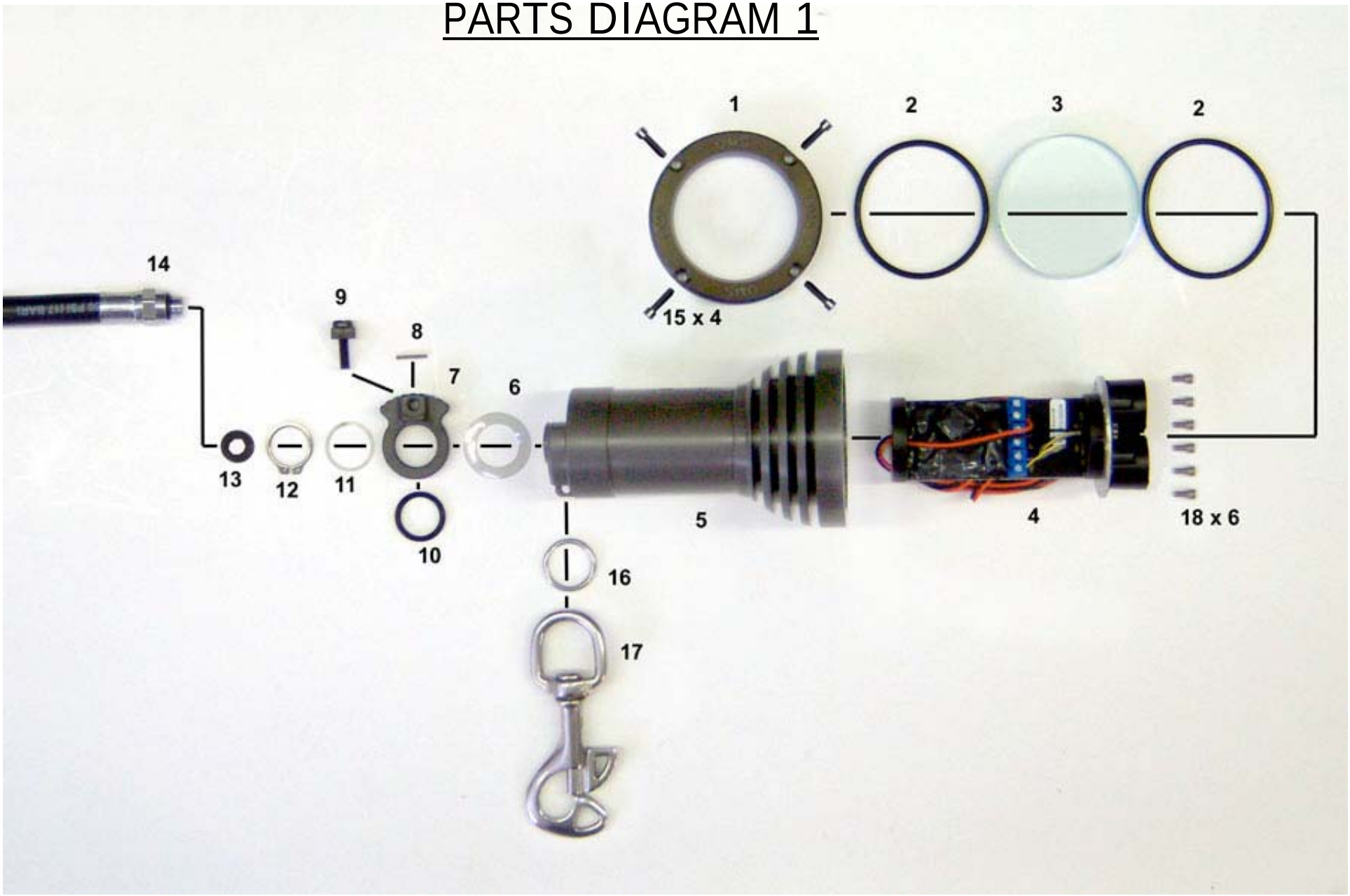

Connector
to Light
Battery inserts inside of canister.
Connector
to Charger



ONE

Congratulations! You have now successfully completed assembly of your OMS L197LED3-K or L197LED20-K PHANTOM Light!

PARTS DIAGRAM 1



Return

TOOLS REQUIRED