

Anthony Products 1800 Series Halogen Headlight Manual



Suede Headband Halogen Headlight



Easy Fit Halogen Headlight



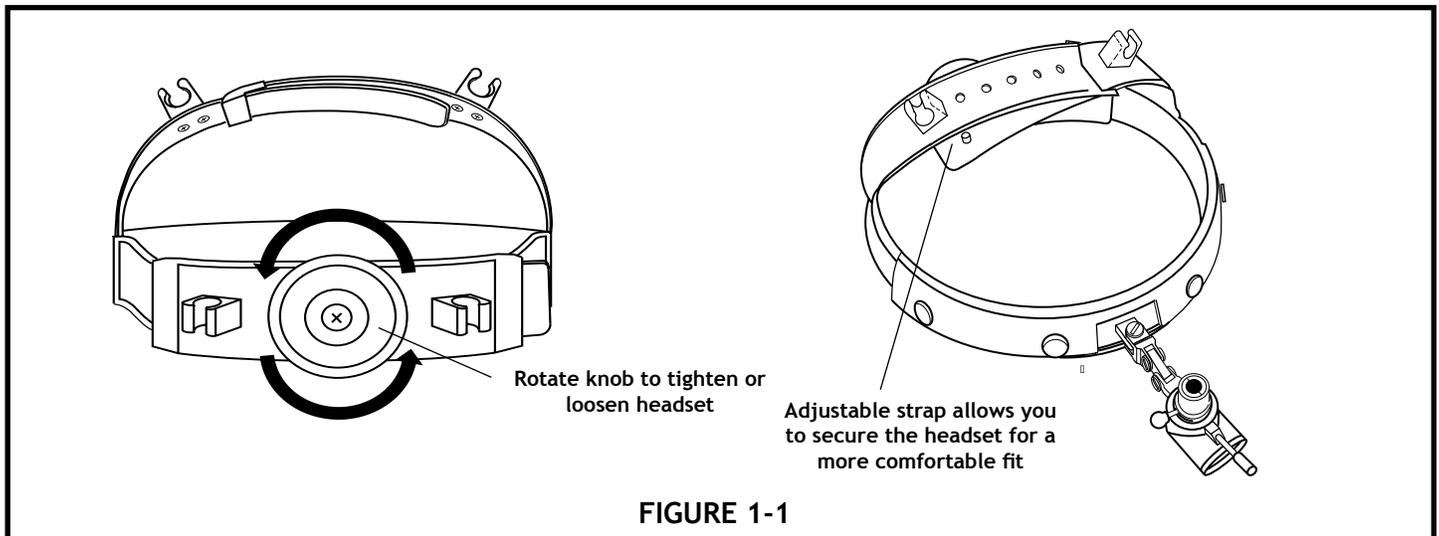
Comfort Fit Halogen Headlight

api
anthony products, inc.

UNIVERSAL HEADSET ADJUSTMENT INSTRUCTIONS

Adjusting the Headband (figure 1-1)

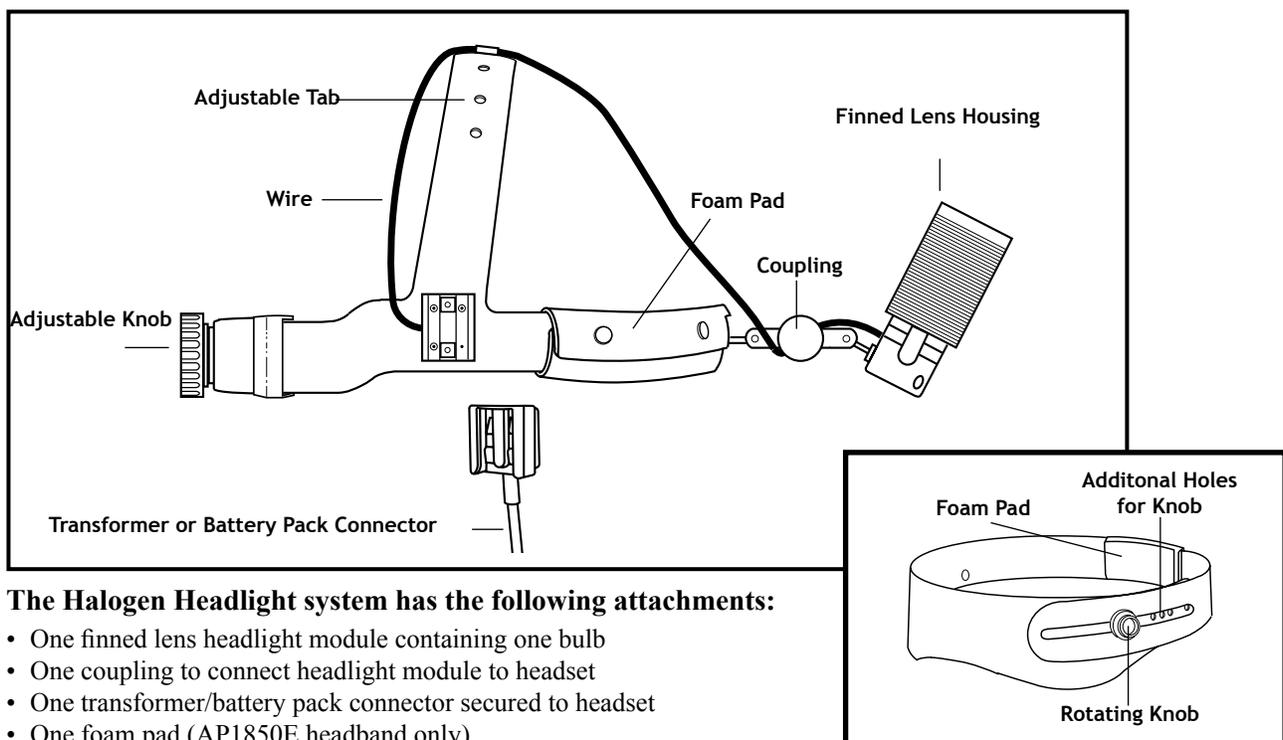
The headlights adjust to fit almost any headsize using the rotating knob on the back of the headband. The Easy Fit Headlight also contains an adjustable tab on the top headband to insure a secure and comfortable fit. The Suede Headbands are adjusted using the velcro closure in the back. The Comfort Fit Headlight has a rotating knob that can be located to different slots on the headband.



HEADLIGHT SET-UP

Attaching the Headlight Module to the Headband (figure 2-1)

The headlight module is connected to the headband via a coupling. Loosen one of the couplings, but do not remove it from the screw. Place the ball joint of the headband and the ball joint of the headlight into the openings on the coupling. Hold the coupling in place and position the other end of the coupling over each of the ball joints. Tighten screw until both ball joints are secure between the couplings.



The Halogen Headlight system has the following attachments:

- One finned lens headlight module containing one bulb
- One coupling to connect headlight module to headset
- One transformer/battery pack connector secured to headset
- One foam pad (AP1850E headband only)
- Adjustable tab (AP1850E only)
- Adjustable knob (AP1850E only)

Fine Tuning the Lamp Position

To produce the most uniform light spot, it is often necessary to position the lamp at the proper height in relation to the lens.

1. Make sure headlight is connected to the headband.
2. At the approximate working distance you use the headlight, slide the finned lens housing all the way on to produce a large spot.
3. If the center of the large spot has a white image of the filament, the lamp needs to be pulled slightly out of the contacts. Usually .5mm is a sufficient change in position. Use care not to touch.

Changing the Size of the Spot (figure 2-2)

The projected spot size is easily and instantly changeable while wearing the headlight. The finned lens housing slides back and forth on the lamp socket assembly. Sliding the finned lens housing out (away from your forehead) projects the small spot. As you slide the finned lens housing in (towards your forehead) the projected spot will become larger.

Changing the Headlight Lamp (figure 2-3)

1. To guard against injury, wear protective eyeglasses when handling lamp.
 2. Allow sufficient time for illuminator to cool before changing lamp.
 3. To access lamp, remove finned lens housing by sliding it forward past detent.
 4. Using a piece of cloth between your thumb and index finger, grasp the lamp and pull straight out of the lamp holder. The lamp base has two pins and is pressed into gold plated steel contacts.
 5. Discard the old lamp carefully. There is an internal pressure which could explode the lamp and spray glass. Use care to avoid this from happening.
 6. Install new lamp by carefully lining the pins of the lamp with the contacts in the lamp holder.
- A. Use cloth between your fingers and lamp
B. Press lamp straight into the lamp holder
C. **DO NOT BEND LAMP PINS.** To do so will damage the lamp.
7. Clean the lamp with a soft cloth and alcohol, if necessary, prior to replacing the finned lens housing.
 8. Do not illuminate lamp without the finned lens housing in place.

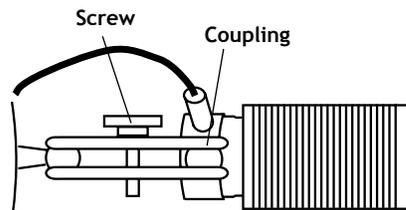
TRANSFORMER & BATTERY INSTRUCTIONS

Transformer (figure 2-4)

The Power Supply Transformer plugs into any standard 120v 60Hz three-prong outlet. The female connect on the transformer attaches to the male counterpart on the headset. Push halfway together for **OFF** and completely together for **ON**. Pull switch apart to completely disconnect. Transformer may be left plugged in all the time. Additional transformers can be purchased for each room so you can easily move room-to-room with just the headlight.

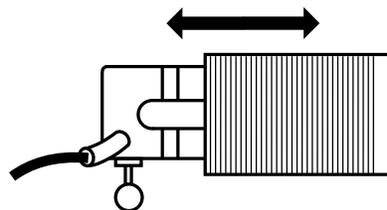
Rechargeable Battery Pack (figure 2-5)

The female connector on the battery pack attaches to the male counterpart on the headset. **Press completely together.** Battery pack easily fits into a lab coat pocket or attaches to your belt using the integral clip. The red switch on the front of the battery pack turns the headlight on and off. The switch has been designed so it can be operated using your wrist thereby keeping the sterile field. To maintain your headlight from accidental damage, disconnect the battery pack **BEFORE** removing the headlight from your head.



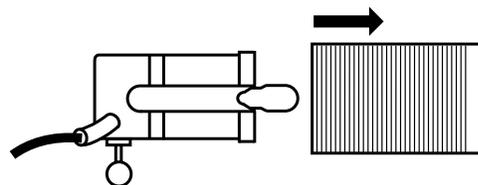
Coupling connects headband and headlight module

FIGURE 2-1



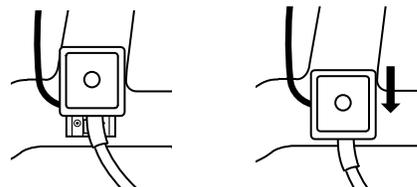
Slide housing back and forth to find projected spot you are most comfortable with

FIGURE 2-2



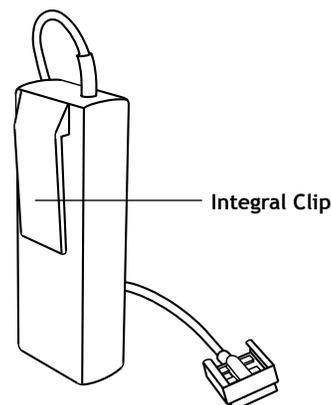
Slide housing past detent to remove lamp

FIGURE 2-3



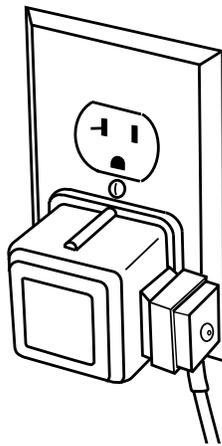
Press halfway together for OFF, completely for ON

FIGURE 2-4



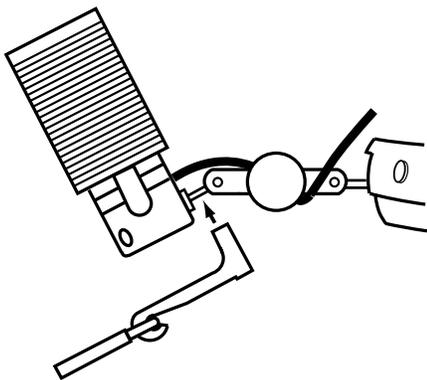
Battery Pack attaches to belt using integral clip

FIGURE 2-5



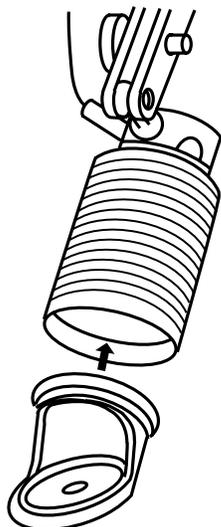
Battery charger and transformer plug into standard 120 volt outlet

FIGURE 2-6



Optional magnification lens and clip

FIGURE 2-7



Optional monocular optic head

FIGURE 2-8

Charging Battery (figure 2-6)

The charger plugs into any standard 120v 60Hz three-prong outlet. The battery pack should be recharged any time before or just as the light starts to dim. **AVOID OVER DISCHARGING.** Partial discharge during the day can be followed by a routine overnight charging. A battery that is discharged will require 12 hours to completely recharge. Optimum charging temperature is 68°F (20°C). Varying from this ambient temperature more than 20°F in either direction will reduce the charge acceptance of the battery pack where it will be subject to extremes of heat or cold while using, charging or storing.

IMPORTANT: The charger does not automatically shut off. Disconnect the battery pack from the charger after 12 hours of charging or as soon as possible. 12 hours or overnight is all the time needed to completely recharge the battery. Unnecessary continuous charging **will** damage the battery.

Optional Magnification Lens & Clip (figure 2-7)

Optional magnification lenses are available and attach to the headlight via a clip. The clip slides onto the ball joint connecting the coupling to the headlight.

Optional Monocular Optic Head (figure 2-8)

This lens clips onto your existing headlight and allows the physician to view with only one eye.

CLEANING INSTRUCTIONS

NOTE: Anthony Products, Inc. does not make any claims as to the effectiveness of the disinfecting process. We have tested MadaCide and found no degradation of the materials or operation of the headlight headset due to the recommended spraying and wiping dry. Following the product directions carefully.

Lens Cleaning

You may routinely disinfect the finned lens assembly. Slide finned lens forward and pull it past the detent. After it has cooled it can be immersed in MadaCide. Follow the container directions for the appropriate level of cleansing. After the necessary immersion time the finned lens assembly must be rinsed with water and carefully dried. Avoid abrading the coating on the lens.

Headset Cleaning, Battery Pack & Charger Cleaning

The entire headset may be disinfected (**NOT INCLUDING the transformer, battery or charger**). Allow the headset to cool about 5-10 minutes. Remove the finned lens assembly as described on previous page. Follow the container directions for the appropriate level of cleansing. Spray MadaCide onto headset and wipe clean with damp cloth. Dry the headset with soft cloth. Carefully press the foam pad with the cloth to facilitate drying. Dry the finned lens assembly. If possible allow to dry overnight.

Transformer, Battery Pack & Charger Cleaning

Transformer, battery pack and charger may be cleaned by wiping with a soft cloth dampened with isopropyl alcohol or water.

AP1800 SERIES HALOGEN HEADLIGHT LIMITED WARRANTY

One year from date of sale. Only covers defects in material and workmanship. Does not cover damage by misuse, negligence or accident. The lamp is not warranted. Warranty is void if product is modified or replacement bulb uses is other than specified in this manual. Should your product prove to have such defects within one (1) year of the purchase, **Anthony Products, Inc.** will repair or replace the product or component part without charge. Should your halogen product(s) need servicing under this warranty, you should call **Anthony Products, Inc.** to receive a Return Authorization Number. Then, carefully pack the unit in a sturdy carton, and ship it to the address below. Please include a note describing the defects, your name and a return address. Warranty does not cover equipment subject to misuse, accidental damage, or if transferred to a new owner without authorization from **Anthony Products, Inc.** This warranty gives you specific legal rights and you may also have other rights that vary from state to state.