

## **Sample Non-Electric Light Visor Instructions**

Please do not allow yourself to be put off by the complexity of the following sample instructions for the installation and operation of the proof of concept, non-electric Light Visor prototype. The example instructions given below are specifically for the prototype only, and would not be anywhere near as complex if done with a different, simpler form of mounting clip. For example, directly insertable, detachable clip levers would preclude all of the installation steps involving the movement of the vehicle sun visor to remove the prototype's laterally inserted clip levers.

Also, these instructions would not be wholly applicable or complete if the non-electric Light Visor prototype is in fact otherwise modified, or done in an alternate embodiment format, e.g., with a snap-on-off shade, tinted shades, or if done with a wholly different form of mounting means, etc.

An example of a much simpler mounting system is provided elsewhere on this web site at [Sample Electric Light Visor Instructions](#). The Sample Electric Light Visor Instructions also further include an example of how a light source might be provided at the end of a flextube to serve as an interior map or exterior emergency light.



## **The Light Visor**

### **General Information About The Light Visor**

The Light Visor is a patented auxiliary shading device that is clip-mounted onto the hinge rod edge of your vehicle's sun visor. The Light Visor was designed to act in lieu of one's extended arm and outstretched hand to block focal sunlight. When not in use, the Light Visor is easily stored out of the way flat against the underside of the vehicle sun visor. When the Light Visor is properly installed and stored, the vehicle sun visor may be used in its normal ways without interference.

The Light Visor consists of three basic user parts: a vehicle sun visor mounting clip, an interconnecting length of stay-put flexible tubing called a "flextube," and an opaque, rotatable, miniature fabric shade called a "flag shade". The mounting clip is a levered compression clip. The flextube supports the miniature rotatable flag shade at a right angle, and allows it to be manipulated or "steered" into any temporary horizontal

shading position, or to be held in temporary or long-term storage flat against the underside of your vehicle sun visor. An additional piece of material called a “mounting sheath” is also offered for placement over the portion of the vehicle sun visor where the Light Visor will be installed to minimize indentation of the vehicle sun visor material from the compression of the mounting clip.

### **Please Note Before Installing the Prototype Light Visor:**

If your vehicle has a double sun visor system, you may or may not be able to install the Light Visor prototype, as dependent upon the amount of clearance between the two vehicle sun visors when the outside vehicle sun visor rotates downward. When you begin the installation, if it appears that the clip mount will not rotate with the outside visor without pushing into the fabric of the inside vehicle sun visor, then discontinue any further installation on that vehicle.

If you attempt to install the Light Visor on the lead edge of the vehicle sun visor, this will cause the Light Visor to function improperly.

If you do not use the provided sheath, your vehicle sun visor fabric may incur an indentation from the pressure of the mounting clip onto the fabric.

If your vehicle’s sun visor has a tightening setscrew, this should be tightened before installation of the Light Visor prototype to discourage unwanted visor rotation. If you find that your vehicle sun visor is one which easily rotates downward, you should not install the Light Visor in your vehicle.

If the upper clip lever is left extended rearward so that it places pressure against the roof fabric, the extended clip lever will prevent any downward rotation of the vehicle sun visor and you will be unable to use your vehicle sun visor. This extended lever must be returned to a flat forward position in order to rotate the vehicle sun visor downward again. Pulling the vehicle sun visor downward with the upper lever extended may cause damage to the vehicle roof material.

It is normal for the flextube to sometimes make a slight creaking noise when it is being steered.

### **Installation of The Light Visor**

Once your Light Visor is properly installed it need not ever be removed again until you change vehicles. And again, when the Light Visor is properly installed, it will not hinder or otherwise interfere with the normal use of your vehicle sun visor.

To install the Light Visor on your vehicle sun visor on the driver’s side, first place the vehicle in Park and push the vehicle sun visor up into its normal storage position against the inside roof fabric of the vehicle.

*Please install the Light Visor prototype using the provided Photos as a guide.*



**Photo A**

Pull the vehicle sun visor slightly toward you and away from the roof fabric.

Fold the mounting sheath in half and slide the folded mounting sheath over the lower (hinge rod) end of the driver's side vehicle sun visor at a point that is vertically aligned with the middle of the steering wheel.

Flip the mounting clip levers rearwards.

Curl the flextube counterclockwise and outward away from the mounting clip.

Position the Light Visor with the flextube side of the mounting clip facing down.

Position the mounting clip with the clip opening facing toward the hinge rod edge of the vehicle sun visor.

Place the lever on the flextube side of the clip into the palm of your right hand near the thumb joint, and place the other lever under your middle and ring finger tips.

Use your left thumb or a finger to brace the bottom exposed section of the mounting sheath upward against the underside of the vehicle sun visor while you are positioning the mounting clip while also using your left hand to brace the vehicle sun visor securely.

Squeeze the clip open and slide it onto the sheath.

If necessary, push the rear portion of the mounting clip until the inside of the clip touches against the edge of the folded sheath.



**Photo B**

Release the compression levers so that the mounting clip closes on the sheath.

Flip the lower clip lever flat against the vehicle sun visor.



**Photo C**

To complete the installation of the prototype, it is necessary to maneuver the vehicle sun visor so that the upper clip lever can also be laid flat against the vehicle sun visor.

Rotate the vehicle sun visor downward and outward (either clockwise or counter-clockwise) until its end is facing downward.

Be careful not to damage the roof fabric with the extended upper clip lever.



**Photo D**

Fold the upper clip lever flat against the backside of the vehicle sun visor.

Rotate the vehicle sun visor clockwise and upward to its normal storage position.



**Photo E**

You will now be able to properly curl the flextube counterclockwise and push the curled flextube and flag shade upward with the palm of your hand so that the Light Visor system is placed in a “parked” vertical storage position flat against the underside of the upraised sun visor.



**Photos F and G**

The placement of the mounting clip and its upper lever does not interfere with the use of the vanity mirror when the vehicle sun visor is rotated downward during normal sun shading use.

If it is more esthetically pleasing to you, you may now safely remove the extended mounting lever clips and place them in the glove box for reinsertion should you later wish to change the Light Visor positioning or remove it from the vehicle sun visor.

With the mounting clip levers either up or removed, you will be able to rotate the vehicle sun visor in its normal range of operations without hindrance or interference from the Light Visor.

If you have a second Light Visor which you wish to install on the passenger side of the vehicle, the installation instructions above will apply if you place the mounting sheath generally in the middle of the passenger side vehicle sun visor length. The passenger Light Visor is shown in use near the right side window to block light entering from the right side.

To readjust or remove the Light Visor, simply reverse the installation procedure.

### **Operation of The Light Visor**

Steering the Electric Light Visor flag shade from its storage position to a desired location is best done by positioning your left index and middle finger over the flextube at the rear rotational coupling side of the flag shade, and placing your left thumb on the front portion of the flag shade immediately opposite to your index and middle fingers.

This gripping position will allow you to securely grasp the bottom portion of the flextube that connects with the flag shade, and to also accurately control the frictional rotation of the flag shade to an appropriate sun blocking position.

Steering of the flag shade end of the flextube is then done by pushing or pulling the end of the flextube to the desired location, and then rotating the flag to a desired horizontal position just above your line of sight.

Try not to look at the flag shade as you position it. The flag shade will be going between your eyes and the bright sunlight (just above your line of sight), and you do not want to look directly at the sun.

In order to properly alternate between the use of the Light Visor and the normal use of your vehicle sun visor, rotate your vehicle sun visor fully downward and become aware of how far down it extends toward your line of sight. When the sun is shining into your eyes through this area there is no point in using the Light Visor's smaller flag shade to attempt to block the incoming sunlight. Or again, when the sun is shining in this area,

place the Light Visor into its storage position and utilize your vehicle sun visor until the Light Visor is again needed. If the sunlight should travel outside of this area, rotate your vehicle sun visor upwards again and operate the Light Visor as just described.

The end of the flextube is grasped preferably between the thumb and first two fingers of the left hand for leftward movements, and with the thumb and first two fingers of the right hand for rightward movements. While your vehicle is parked, please practice steering the flag shade to the front and either side of your head as though the flag shade were between incoming light rays and your eyes. Steering the flag shade so that it blocks small objects in the distance, like a sign or post, will give you the general feel for control of the flag shade and flextube.

The flag shade should only be horizontally positioned and should always be just above your line of sight, or far enough out of your line of sight of the road to allow you to see around the miniature shade flag.



**Photos H and I**

Since the flag shade may be rotated at the end of the flextube, it is often simpler to flip the flag from one direction to another, rather than to reposition the flextube. For example, when the sun is focused on the upper left corner of the front windshield, and a right turn is made, it is simpler to rotate the flag to the left and move the flextube slightly rearward than to fully reposition the flextube.



**Photos J and K**

Similarly, when the sun is to the left or right side of the vehicle, it is often easier to extend the flextube rearward and then rotate the flag to point rearward to extend the reach of the flag shade into the required position.

The flextube may be steered as often as is necessary to continuously adjust the flag shade positioning. The flextube will not fatigue or lose its “stay-put” ability under normal use, and irrespective of temperatures in the vehicle. With very little practice while your vehicle is parked, you will become readily familiar with alternate one-handed manipulations of the flag shade and flextube without looking directly at the flag shade or flextube. If you cannot adjust the flag shade to a required position without looking at the flag shade or flextube, then you are not ready to use it while driving on the roadway. You should never take your eyes off the road to adjust the flag shade and flextube!

The flag shade should always be positioned just above your line of sight, and NEVER placed directly in front of your eyes. If used properly, the flag shade will not obstruct your clear view of the road any more so than your vehicle sun visor would, because its only intended use is to block out focal sunlight above or out of your line of sight of the road. Should the flag shade ever be in front of your eyes, push it up and out of the way!

Even if the flag shade should ever accidentally strike your face, its light weight, blunt edges, and soft, collapsible material would prevent any possible threat of injury. As well, the flextube cannot become locked into the steering wheel because its flag shade cannot capture the steering wheel parts.

The flag shade should NEVER be used at night to block out headlamp glare or other light sources! And the flag shade should NEVER be used for blocking light from a rear view mirror! Any such use will lead to vision obstructions!

### **Storage of The Light Visor**

The vehicle sun visor may be used in a normal manner without the Light Visor hindering or interfering in any way once the flextube has been coiled counter-clockwise and pushed flat against the underside of the vehicle sun visor.

In this “parking” position, the flag shade will be facing upward at a right angle to the hinge rod end of the vehicle sun visor, that is, with the flag shade’s free end pointed up toward the roof, and with the flag shade pressed flat against the mounting clip. Such a “parking” position will maximize the curvature of the flextube and minimize the storage size on your vehicle sun visor.

### **And Finally...**

Your Light Visor should provide you with years of safe and reliable service, and be unaffected by temperature changes, breakage or deterioration. We sincerely hope that you find that your Light Visor matches or exceeds your expectations.

For further information, please visit *TheLightVisor.com*.