



BEFORE PROCEEDING READ THE FOLLOWING DISCLAIMER:

The information contained in this installation guide is anecdotal, is provided by non-professional LS owners, and is not endorsed by LS Concepts. Hopefully installers will find this information useful; however they should use caution and common sense before undertaking any of the procedures described, as working on automobiles may be dangerous. LS Concepts makes no representations of the effect non-professional modifications or servicing may have upon the warranty or safe operation of your vehicle.

This is a complete guide on installing a set of Predator Chromium™ Angel Eyes in 2000-2002 Lincoln LS headlights. You may want to check your headlights before you start this project to make sure you have the proper headlights before you begin. It has been noted that that 2000-2002 headlights with BLACK glue will not work with this project. Your lights will need to have the GREY glue for this project to be relatively simple. To check your headlights please see the picture below. It shows the grey glue in the three holes on the top of the headlight. Yours should be similar.



Once you have confirmed that you have the correct headlights you will need the following items to perform this project:

- Predator Chromium™ Angel Eye Rings
- Clear Epoxy or RTV Sealant
- Black RTV High Heat Sealant
- Super Glue
- Masking Tape
- Drill with 5/32" drill bit
- Leather Gloves or similar
- Micro-fiber or lint free cloth

These are the basic items needed to complete this project. It is recommended that you read these instructions thoroughly before starting. This is not a difficult project but it does require some time to complete the first time. We recommend that you only work on one headlight at a time.

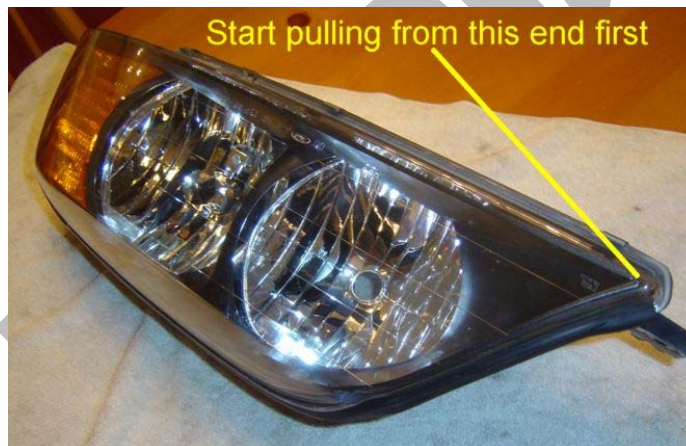
The first thing to do is to remove the headlights from the car. Open the hood of the car and remove the top cover above the headlights. You just unscrew the plastic retaining clips. Be careful with these as they



are easily broken. After top cover is removed you will need to remove the cover between the headlights just in front of the radiator. There are three push pin retainers. Just push the middle part of the clip and pull the retaining clip up. Again, be careful with these clips as they are easily broken. You will need to remove the ambient air temperature sensor that sits on top of the cover. It just pulls straight up. The cover should now come off.

There are three bolts that hold each headlight on. Locate them and remove them. The headlight should now slide out. It is better if you remove the big grey connector. Just slide the safety clip down and press the button to release it. Now the complete headlight can come out with harness and all. With the headlights out, remove the harness and all bulbs. Set these to aside until later. It is best to clean the headlight. Use some Windex or such and clean the entire headlight. This will make working on the headlight less cluttered. Remove the three metal clips on the bottom of the headlights. These will be re-used later.

Pre-heat your oven to 250°. Make sure you have enough clearance in your oven to place the headlight on the grille. Place the headlight in the oven for no more than 8 minutes. Remove the headlight carefully using leather gloves and start pulling the pointing edge of the headlight. See photos below:

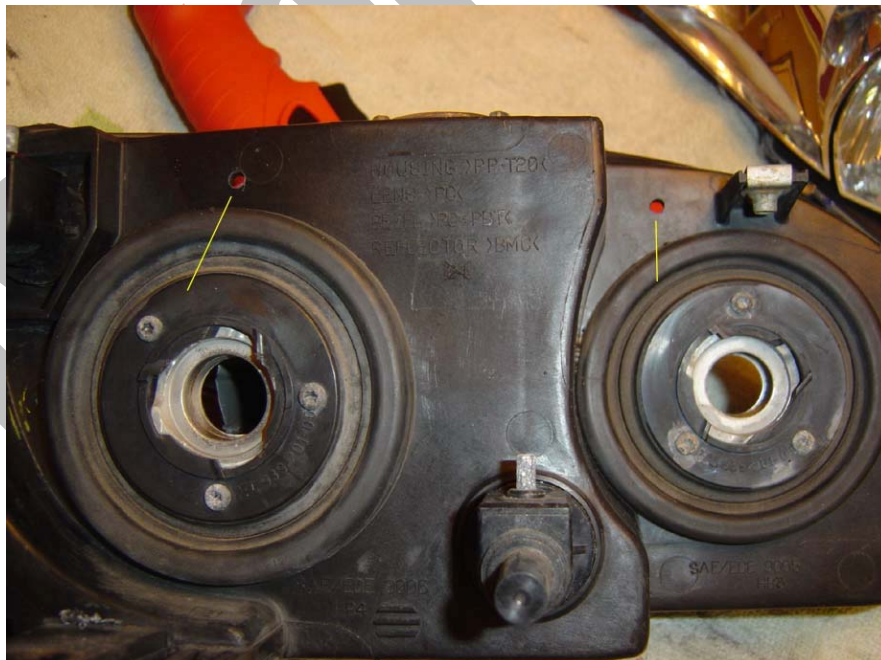




Once the headlight is apart the black bezel will be inside the clear part of the headlight. Carefully remove the black bezel from the clear portion. If you want to remove the amber lens this is the best time to do it. Just take a flat head screw driver and pop the lens out. See below on how to remove it:



Set aside the black bezel and clear portion of the headlight. Next you will prepare the headlights to take the angel eye rings. You will need to have a drill with a 5/32" drill bit. You will need to drill two holes in the back of the headlight so that the wires from the angel eye rings can exit the headlight. See below on where to drill the two holes:





Next, you will need to drill out two holes in the low beam chrome bezel ONLY. The high beam bezel does not require drilling. The holes will need to be on the upper part so the angel eye wires can exit through the top for a clean look. In the picture below you'll see the headlight is up side down and you drill the upper top side. The holes need to be just off the edge.



After drilling out the holes clean out the headlight to remove any dust or plastic shavings. You don't want this to be inside the headlight after it is together. I recommend cleaning the chrome bezel with **WATER ONLY**. Do not put ammonia based products on the chrome. It will take the chrome off. Just use water and a micro-fiber towel to clean the chrome. Clean it good and remove any finger prints or smears.

The Predator Chromium™ Angel Eyes come with clips glued in the back. You will need to carefully remove these from the rings since they will not be used. See below on what the clips look like taken out of the rings:





Once all of the clips have been removed from the rings you are now ready to fit them into the headlights. Start with the low beam side first. With the chrome reflector facing towards the headlight poke the white wire through the holes in the top of the low beam bezel and then poke the wire through the hole in the back of headlight. Carefully pull the wires through until the angel eye ring sits inside the chrome bezel. Do the same thing for the high beam and run the wires through the hole in the back of the headlight. See pics below for reference:

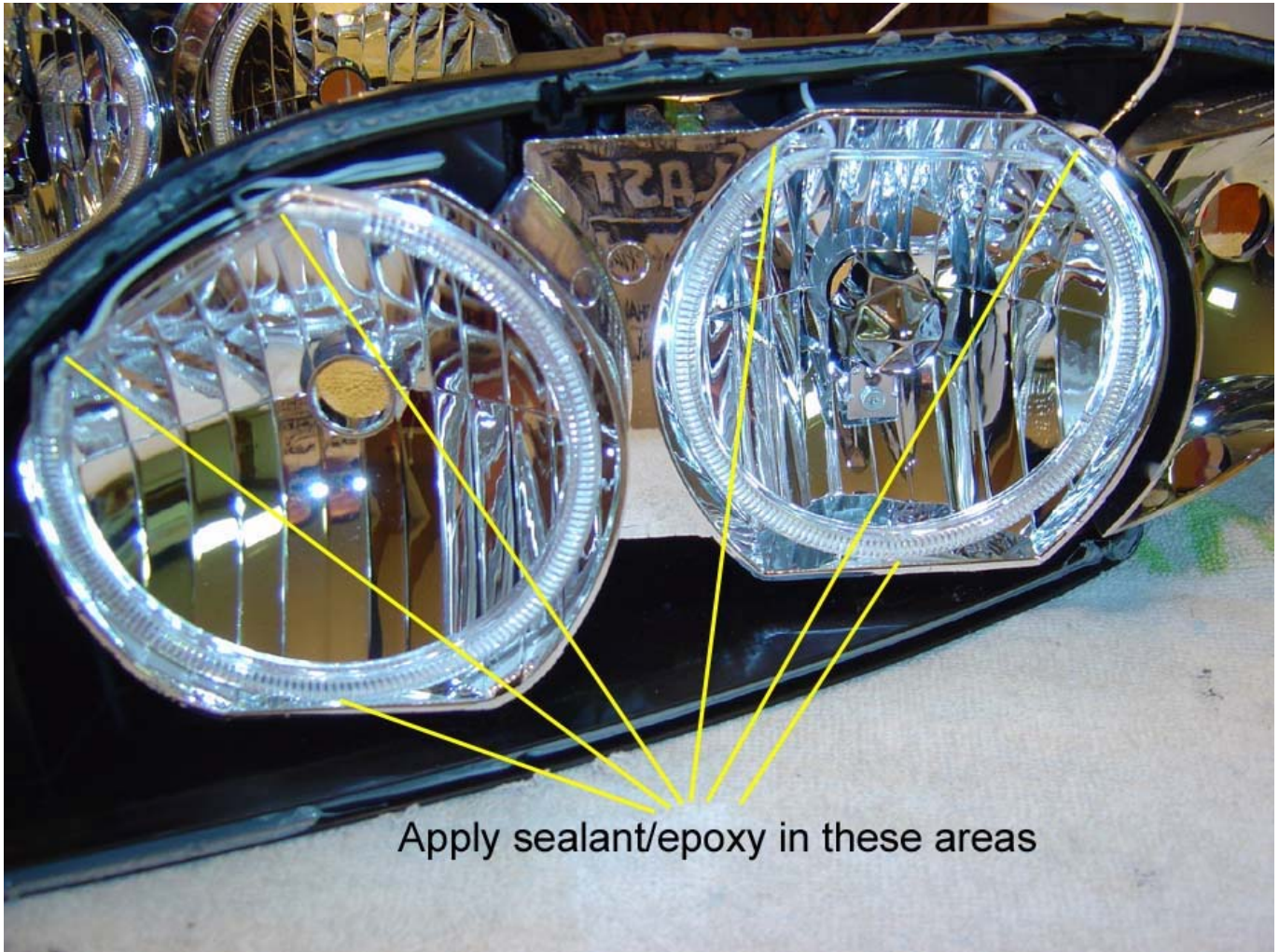


Test fit the angel eyes in the low beam. The ring should fit perfectly inside the low beam bezel. The high beam bezel ring will not fit inside but the bottom will be inside the bezel and the top of the ring will lay on the top of the bezel. See picture below:





Next is time to glue the rings into place. You may want to use the masking tape to hold the rings in place while you glue them. We recommend that you use either clear epoxy or clear RTV sealant. The epoxy may discolor over time so the use of clear RTV may be desirable. If that's the case then use a very small amount of super glue to hold the rings in place when applying the clear RTV sealant. See below for areas to apply the sealant too:



Also, apply a little sealant/epoxy to the wires coming out of the top of the low beam bezel. This will keep the wires from rubbing against the hole. If you are using clear RTV sealant you will want to let that set up for about 12 hours before moving on. You want to make sure it is completely dry.



After the sealant/epoxy is dry on the rings, you will need to add the black connectors to the wires coming from the angel eye rings. The wires with the metal connectors just slide into the black connectors. You want to make sure you put the wire in the outer most openings in the black connectors. This is what will be connected to the black inverters. See picture below:



It is best to tie up the wires coming from the angel eyes because you won't be needing them until after you put the headlights back together. Next step is to clean the black bezel and clear portion of the headlights. You can be doing this while the angel eye rings are drying. You can use some Windex or similar to make sure it is perfectly clean and lint free. It is suggested that if you use Windex inside the clear part of the headlight clean it with soft paper towels and then dry it out with a micro-fiber towel. The micro-fiber towel will help clean any streaky film left over from using Windex. Be careful not to scratch the inside of the clear portion of the headlight.

Once the sealant/epoxy has dried on the rings it is not time to put the headlight back together. First, join the black bezel to the back part of the headlight. You'll see grooves that accept the black bezel. Press it into place as far as you can get it. Then join the clear part to the rest of the headlight. Just press it together for now. Pre-heat your oven again at 250°. Place the headlight back in the oven for ONLY 5 minutes this time. Take the headlight out using the leather gloves and press the headlight together firmly. Use your finger to press the top of the black part where the clear and black meet. You'll hear a swishing noise meaning the sealant is being pressed together. You can see the photo below on how to press the it together. Make sure you do this all the way around the headlight.

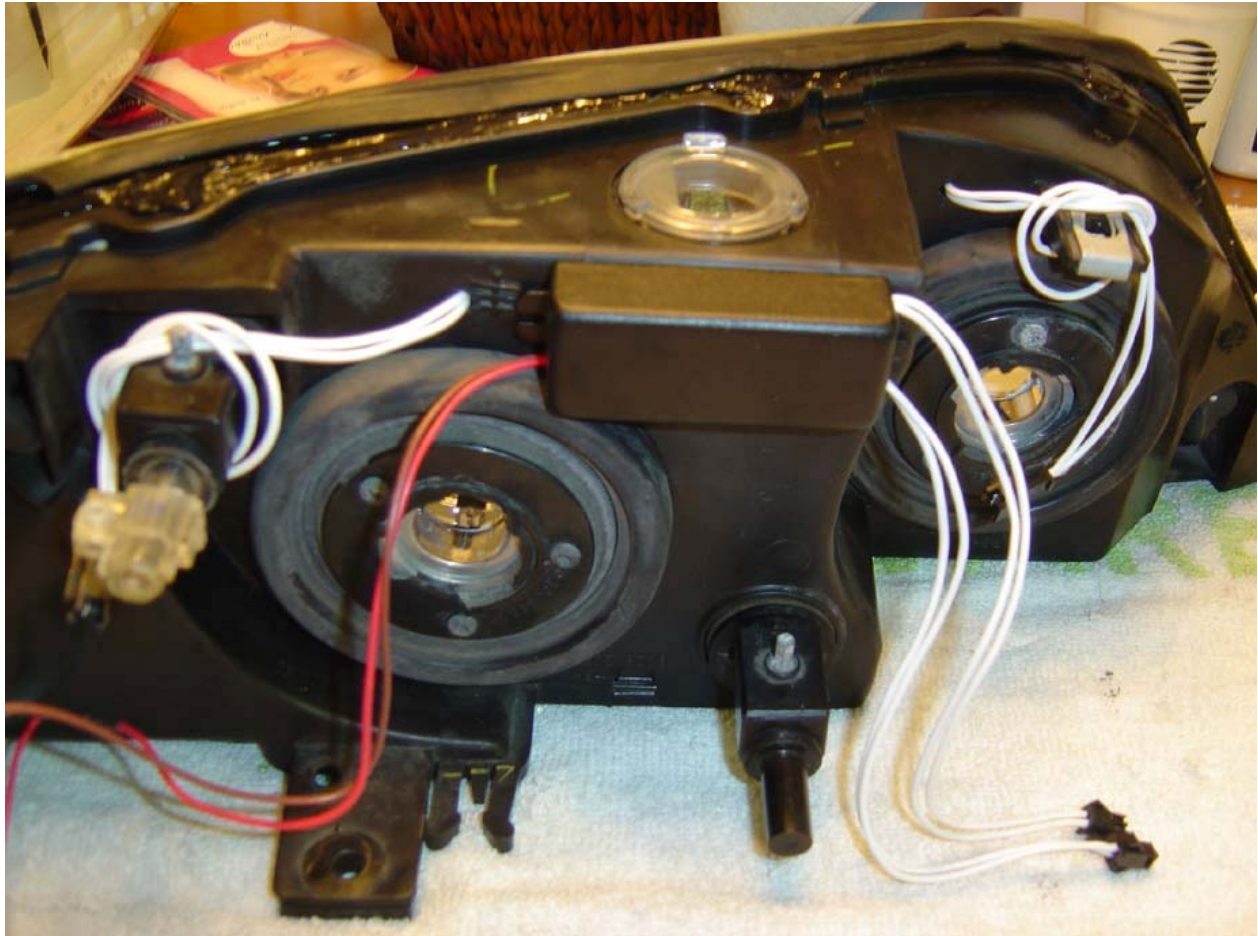


Let the headlight cool and then you can apply the Black RTV High Heat Sealant to the seam all around the headlight. This will help in preventing moisture from getting inside the headlight and causing fogging. Just apply a bead of the sealant as shown below. Be sure to add some sealant to the hole where the wires are coming out the back of the headlight. You want a tight seal.





Let the black RTV sealant dry to the manufacturer's specifications and install the three metal clips to the bottom of the headlight. You are now ready to hook up the rings. Next you will install the black inverter box to the back of the headlight. Make sure the area is clean where you are going to stick the inverter. It has some double sided tape on it and attach the inverter as shown in the photo below:





Now plug the connectors coming from the angel eyes to the inverter as shown below:



The two color wires coming from the black inverter box are your positive and negative. These manufacturer of these kits may change the colors from time to time but always look on the back of the box for specific wiring colors. You will have two options to wire up your angel eyes. The quickest way to hook up the Angel Eyes will be to the Parking Lamps. There are three wires coming from the Parking Lamps connector. Orange/Blue, Black/White and Black/Blue. You will need to T-Tap or splice into the Orange/Blue wire with the red wire coming from the headlight and the Black/Blue wire with the black. See the connector view below:

Pin	Circuit	Circuit Function
1	29S-LF7 (OG/BU)	Voltage supplied at all times (overload protected), Switched
2	31S-LF7 (BK/BU)	Ground, Switched
3	31S-LG11 (BK/WH)	Ground, Switched



Another wiring possibility is to use the provided wiring harness that came with the angel eye kit and wire up a switch inside the cabin. You can view that diagram on the back of the box the kit came with.

Now install your headlights and start enjoying the coolest feature your Lincoln LS will ever have....Predator Chromium™ Angel Eye Headlights!

