

I hope this is posted at the right place.

If you are sick of seeing your beautiful [corvette](#) with those hazy, cracked, ugly, yellowish old lenses and you tried to polishe them, sand them etc and nothing worked, then its time to change thise suckers out. Here is how;

This is a DIY for replacing (swapping out) the headlight lenses on the [C6 Corvette](#) 2005-2013 Base, Grand Sport, Z06 ...etc. I am NOT liable for any damage you cause to your car while doing this. This DIY is for educational purposes only, do at your own risk. Some of the pictures and information i will use are mine and some are not. Some of the info belongs to RSI who is the vendor for the lenses i buy. Bare with me, it is now 3:15 am i have to go to work at 7am and i am up doing this DIY asap because a forum member sent me a pm saying he needed urgent help opening the lense and the type of glue to use, temperature to set the oven etc. If you get stuck on something or just need extra tips just send me a pm, i will reply as soon as i can. So here it goes....

First some before and after pictures. New lense is dirty from the outside but you get the idea.

Before





After



Aside from changing the old lense now is the time to add the halos or leds inside the [housing](#) if you like that, i like to keep it looking stock so i didnt do that.

**Items Nedded:**

\*\*\*\*\* 2 new lenses (can be found on ebay or from other corvette stores online etc) I buy them from a guy on ebay, very good quality and quick shipping for \$310

●●●● AT&T 4G 6:05 PM 71%    
Touch to return to call 08:40

ebay.com



C6 Corvette OEM Headlight  
Lens L OR R 2005 - 2013

**\$155.00**

Free  
Shipping

Aug-14  
Est. Delivery

**Buy It Now**

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**Item Description**

GENUINE GM OEM Corvette C6 Headlight Replacement Lens, RIGHT OR LEFT SIDE. This is a New Lens From GM right off the same line as the lens in the production cars. >

**Shipping, Returns and Payments**

Ships from	Pensacola, Florida, United States
Pickup or Delivery	<b>Standard Shipping</b> Free Est. Fri, Aug 14 >
Returns	Not Accepted
Payments	PayPal

**About the Seller**

**rlsebring (745)**

98.8% Positive Feedback

\*\*\*\*\* At least 1 can of adhesive



## LOCTITE PL Premium 28-oz Construction Adhesive

by **LOCTITE**

AISLE	BAY
13	2

★★★★★ 23 Reviews

**\$6.99**

- \*\*\*\*\* Good set of gloves to handle the HOTTTTT [Headlight](#)
- \*\*\*\*\* Few flat head screwdrivers
- \*\*\*\*\* Few microfiber towels
- \*\*\*\*\* 10-14 small pressure clips or 8-10 clamps
- \*\*\*\*\* Cleaning solution
- \*\*\*\*\* Pressure air hose (If you have one) really comes in handy
- \*\*\*\*\* Several household tools (torx tools, etc...)

**Step #1**

is to remove all the torx screws along the top of the fenders. There are 6 screws you can see right away, once you take those out you will have to pull the plastic where i circled in the picture closest to the windshield and remove that screw too. there is another screw towards the bottom of the fender under the plastic part of the fender by the headlight that i also circled, remove that screw too.



remove the T15 hardware down your inner fender as indicated by the black arrow.

Pop this plastic up and look for T 15 underneath. if you don't see one keep the T 15 screw pointing to with the other red arrow.



Step #2



Step #3

Pop the plastic corner of the [bumper](#) out by getting a microfiber cloth to protect the paint, stick a flat head screw driver between the headlight and the bumper corner and firmly apply pressure upwards. should pop right out without any damage and you should be able to just pop it back in when putting everything back together.







Step #4  
Remove the screws holding the plastic wheel well to the front bumper, i think its like 5-6 torx screws.



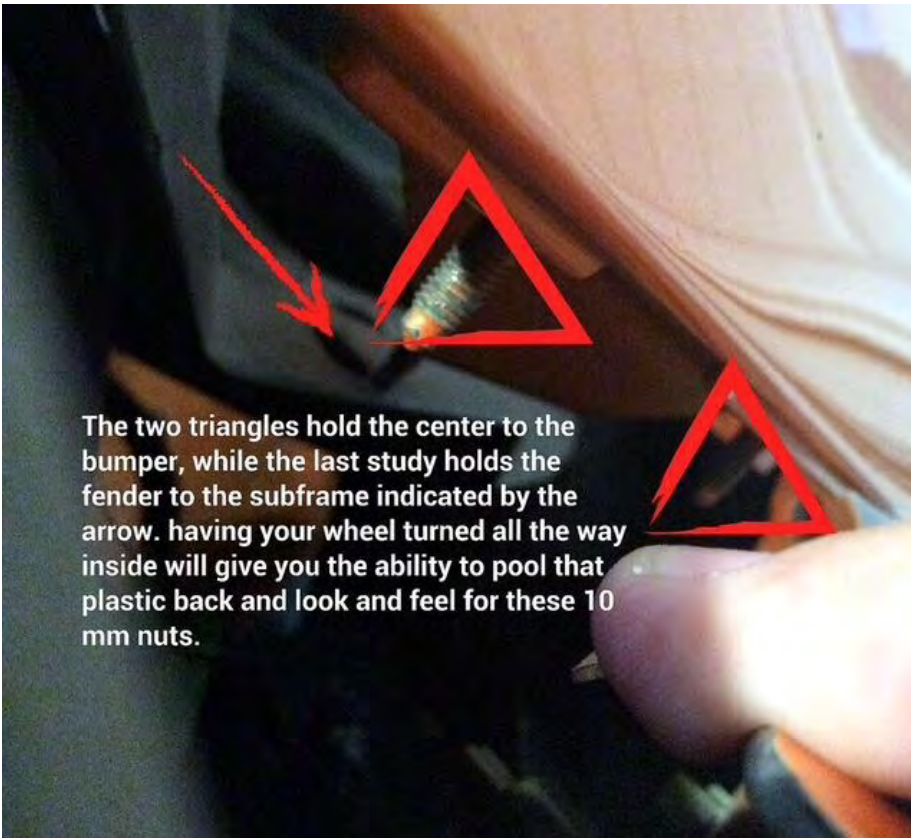
turn the wheel all the way to the inside of the well and remove the hardware holding this plastic to the bumper.



Step #5  
Unscrew the 2 or 3 nuts holding the bumper to the fender inside the wheel well.

# Remove these 2

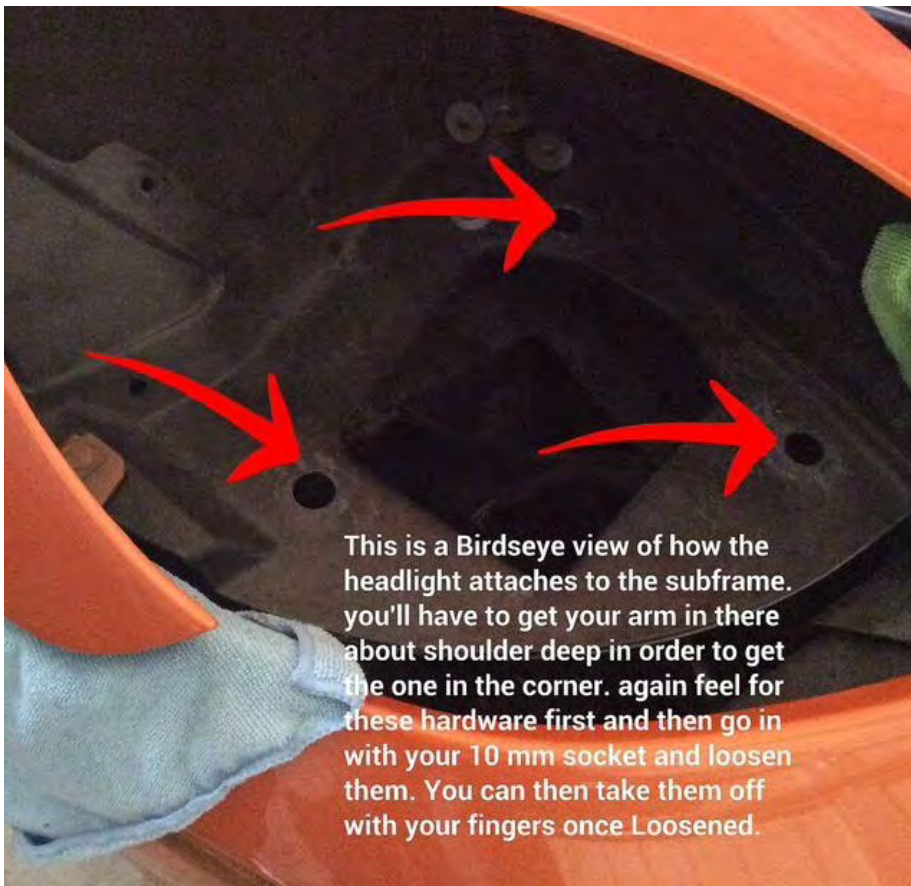






#### Step #6

This step is a bit tricky but very doable. Having skinny/thin arms helps, long arms too. You are going to put your hand inside the wheel well between the plastic well and the front bumper and you are going to feel for the 3 nuts holding the headlight together. once you feel where the nuts are, loosen them with one turn and they will immediately loosen up and can be taken out by hand. Work your hands/arms between those body parts so you won't have to take anything off the car. A flashlight is useful to see exactly where those nuts are at before you go in there feeling for them.



#### Step #7

Once you take off all 3 screws from each headlight come back up to the top of the car and place a few microfiber cloths in the body panels that will be moving to avoid scratches. This step can be done alone but is MUCH better with the help of another person, one person moved the body panels away from the headlights (opens them up) and the other person grabs the headlight like in the picture and moves it around carefully in an upward position (straight up) and down towards you until the whole headlight assembly comes out.



















Step #8

Disconnect the harness that is attached to the headlight at the connection point like the picture points out.

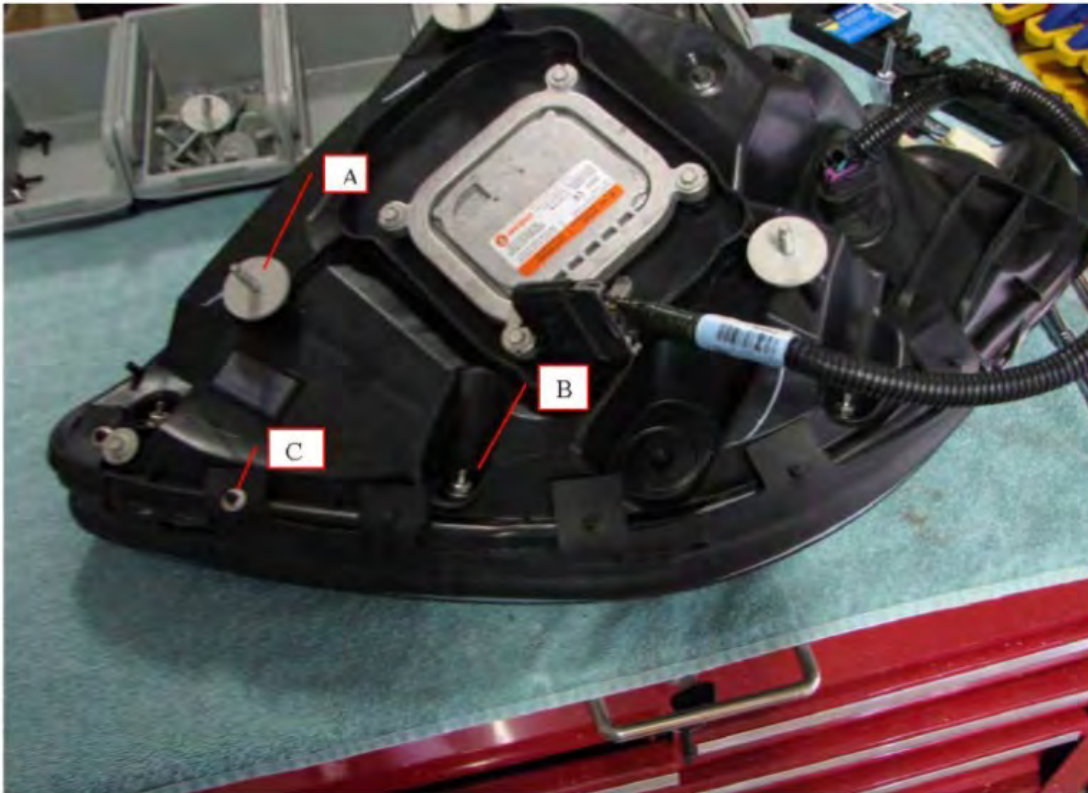




Ok now that the headlight is out off of the car we can get to the very tricky part. Be very patient with this and very careful so you wont break any tabs or anything like that. If you accidently break some tabs its ok thought i think because once you add the sealant with the clamps it will be air tight even without tabs. At least mine was because i broke 2 tabs and it didnt matter. But you still want to be careful.

Step #1 of opening the headlight (Follow the instructions on the pictures).  
Remove the 3 screws at the bottom of the headlight. ( This step is optional, you dont have to remove the screws but it helps keep the headlight aligned and balanced while working on it and also keeps the screws from catching onto other things.)



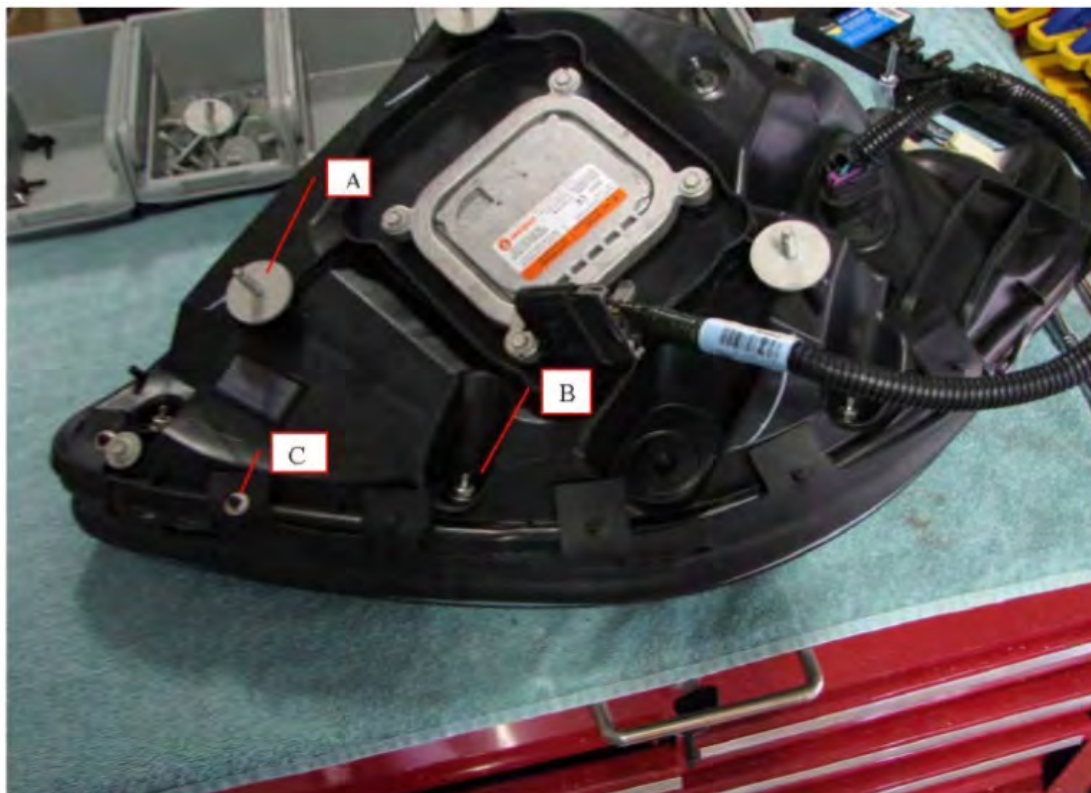


This is the bottom of the light.

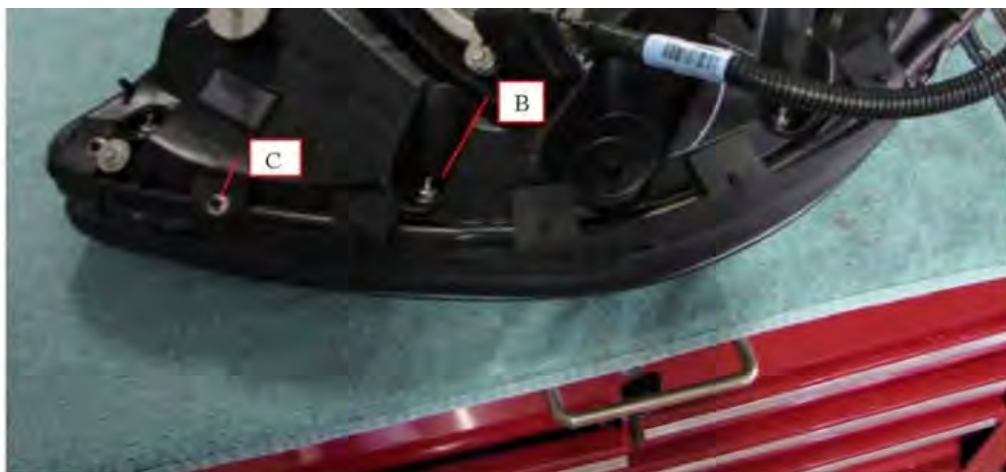
A) What holds the headlight assembly to the subframe. (Removal optional)

B) Holds the headlight housing to the bezel. (Since my car is an 06, my B screws were completely played out and old, there was no way to remove them so i just left them like that and while prying the headlight open they just broke off from the inside. But this didnt matter because the bezel is being held together to the lens by more torx screws and the lens will be held together to the housing with the sealant. But if you can safely remove the nuts then do so, mine were shot so they just broke off as i pryed the lens off the headlight housing.

C) The push nuts hold the rubber [gasket](#) to the headlight. If you can bevery careful and try to get a pry tool to take them off and reuse them, if not its ok, lowes sells them fairly cheap. Just take an old one in and tell them you need new ones. Be very very careful when taking off the gasket because the older your car or the more its been exposed to the elements the more fragile your gasket is and the more likely it is to tear. You can always get new ones from dealer for \$60 each or Ebay for \$50 each. I reused my old one along with the old push nuts too.



This is the bottom of the light.



This is the bottom of the light.

[A] Remove these 3 mounting studs. Keeps from scratching up stuff and getting hung up in the oven. Use E5 Torx socket.  
 [B] These 3 screws or nuts need to be removed on the front bottom to release the bezel (Body colored part) from the housing. The screws will just come out. Some are 6 or 9MM socket. The nuts are more difficult. You have to use a wrench (9mm) and a Torx socket (E4). Hold the stud with the Torx socket (or pliers) and the remove the nut. Otherwise  
 [C] The push nuts are on top and bottom to hold the trim gasket on. These can be a pain to get off but do so where you can save them for reuse. Lowes has them if necessary. They are 1/8 " x 1/2 " be sure to get stainless steel or at least zinc coated. I made a forked tool from a screw driver to get under the nut and pry off.

This is a close up of [B]



The light will look like this with the push nuts off and the black gasket removed. Be gentle with the gasket as it will tear.



#### Step #2

Preheat your oven to 350... as soon as it starts beeping Put the headlight assembly in there, close the oven door and then turn off the oven as soon as you close the oven door. Set up your timer for 20 minutes and wait.



Preheat your oven to 350 degrees then **TURN OFF** and wait till the heating element quits glowing. Stick the light in the oven for 18 to 20 minutes. Wear some good gloves. Remove light and have 2 straight blade screw drivers handy. You'll have about 10 minutes of working time before you'll have to go through another heat cycle.

If you're looking at the light, on the front inside edge where the lens meets the housing get a screw driver into the joint and pry the lens and housing apart. You'll have to get one screw driver started then stick the other screwdriver in and work open a gap big enough for your fingers to get in and grip in opposite direction so you can pull the lens and housing apart.

If the unit is still hot enough the two will come right apart. In essence you start at the inside front edge and work 2 screwdrivers in between the lens and the housing and start prying the two apart. The bezel will go with the lens and there are 4 Torx screws that holds the top portion of the bezel to the lens.

The lens will be crazed, there's no saving it but getting it hot enough to come apart saves a lot of work.

#### Step #3

Wear some good gloves because you will have to handle the headlight and it will be very hot. The quicker you can work the better because the heat will soften up the factory adhesive and you will be able to take the lens apart. Start at the inner bottom corner of the headlight like the picture says. Get 2-3 flat head screw drivers to pry open the inside corner first and leave the screw driver there. With another screw driver pry open another part a few inches away from the first screw driver and be careful with the tabs, pop them out as you go so you won't break them as you pry the headlight open. Start to pry between the two white arrows in the picture and work your way all the way around until you have completely separated the headlight housing from the lens.



Preheat your oven to 350 degrees then **TURN OFF** and wait till the heating element quits glowing. Stick the light in the oven for 18 to 20 minutes. Wear some good gloves. Remove light and have 2 straight blade screw drivers handy. You'll have about 10 minutes of working time before you'll have to go through another heat cycle.

The Bezel is also attached by Torx screws to the lens along the top edge you don't have to worry about these till you have the old lens off. Just take your time and don't man handle it. It's plastic and it will break.



#### Step #4

Remove the screws that hold the bezel to the lens



4 screws that hold the bezel to the lens. Under side view.

Make sure you clean the bezel s and DO NOT TOUCH THE inside of the new lens before assembly.

Housings apart. Left side is with the factory bonding still in the glue channel. The right housing is after the bonding has been removed.



#### Step #5

Remove all the old sealant/adhesive from the glue channel. If the glue is still hot it will come out easier than if its cold. The quicker you work, the better. But still be very careful, you dont want to damage anything and have to buy a whole headlight assembly. if the heat wears out and the housing cools down an the glue is impossible to take off, reheat the housing for a few minutes. use your judgement on time and heat. i would say same temperature for a few minutes only.



You'll need a screwdriver that is just wide enough to fit the width of the glue channel. While hot you'll literally have to pry out the glue. There is a certain temp range that the glue will come out. If it's too hot it crumbles. If it's too cold it just will not come out. Seems to be around 250 degree's it's workable. The glue is definitely the difficult part of the job and one I am constantly trying to figure out a better way. Plan on about 30 minutes for each housing to get the glue out of the glue channel.

Housing with the glue removed. Must be clean. Be sure to clean the glass projectors too while you're at it.



Clean the bezel very good along with the projectors and the whole inside of the housing. I used simple household windex, worked great and cleans off any oil/grease that has build up overtime. Use a pressure air hose to blow out any and all dirt and dust particles just before putting the headlight together. Trust me, this is very important because if you dont and you are OCD like me, its going to kill you when you see your perfect crystal clear headlights on your car and a whole bunch of loose dust/dirt on the bezel because you forgot to blow it out.

Step #6

Dry fit the lens then Fill the channel with a high quality bonding glue. I use PL polyurethane adhesive that's available at Lowe's. One cartridge is plenty for two lens.



Bed the lens into the polyurethane. Put tape as shown to protect the lens from the clamp pads and clamp in place as shown while the polyurethane cures (24 hours).







Again Make sure you clean the lens and bezel before putting back together. I also take compressed air and blow the housing out thoroughly just prior to assembly.

I am trying to make these instructions as clear as I can. If you encounter any part of the instructions that are not clear to you please forward that information to me so I can improve the understanding of how to replace the lens. If you have suggestions and pictures that you believe may help others complete this project please forward those too. They may end up as part of the instructions.

#### Step #7

Fill that glue chanel with the new glue and fill that sucker, make sure you fill it completely to form that air tight seal... i went all out and put a ton of glue in there.

Clamp the headlight and the lenses together. If you use the clamps from the picture then make sure to put tape on the lense to prevent scratches. I also used different pressure clips bought at lowes for \$1 each while i was getting the glue. These you dont need tape, just put them along the edges of the headlight. Try placing them in every corner. Use at least 5-6 on each headlight to make sure it creates an amazing air tight seal.





Now let the headlights sit for 24 hours before you put them back on the car (healing time). The glue might run a bit after you put the lenses together to the housing and add the clamps, its ok, just use your finger and run the excess glue along the side to create an even better seal, or you can whipe it off. Make sure you wipe off any sealant that is on the lense while its still wet, once it gets hard its a little difficult to take it off the lens.

These are the small clamps i used, they worked great also!



Reverse the installation process to put it all back together.  
I might have forgot something or maybe some more detail, just send me a message with any questions. Thanks.

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Last edited by LS3\_Beast; 08-08-2015 at 12:41 PM.