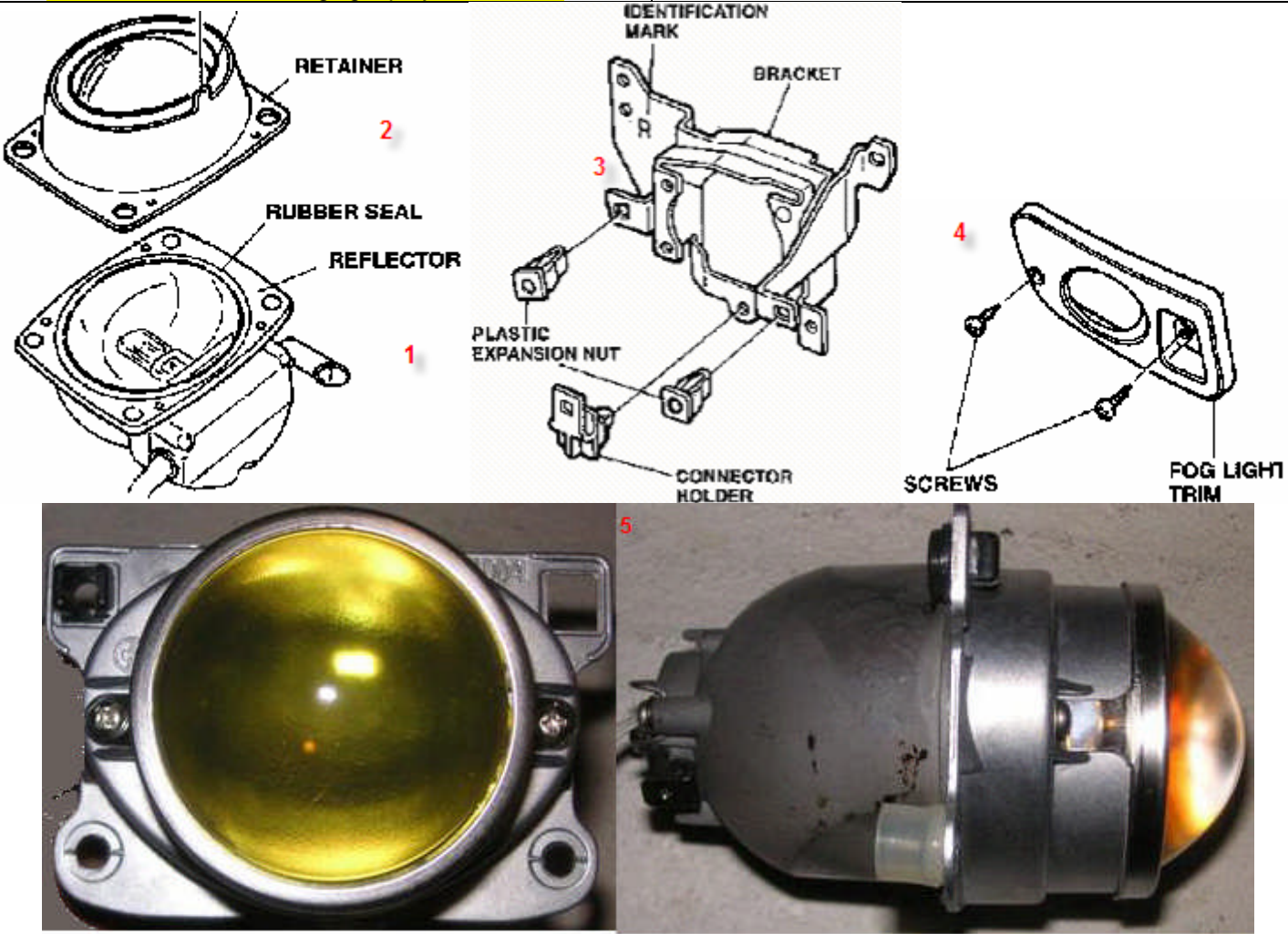


Parts needed:

Note, I did this retrofit with all OEM (Stanley) parts fitted into my EG6 hatchback, but the process will be the same for coupe and 4dr.

• OEM or after market EG fog light Reflector L/R. item 1	• OEM or after market EG fog light Retainer L/R. item 2
• OEM or after market EG fog light Bracket L/R. Item 3	• OEM or after market EG fog light Trim L/R. item 4
• Lexus IS300 or ES300 fog light projector. Item 5	



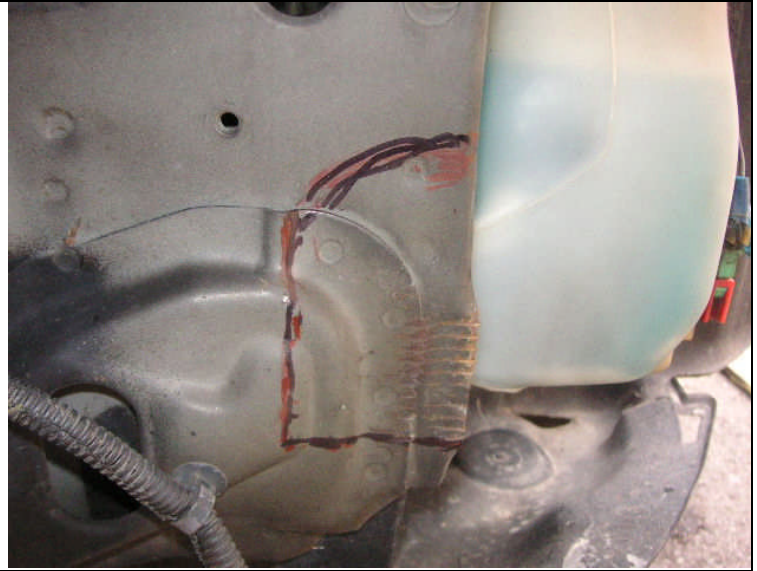
Tools and Materials needed

• Dremel with cutting disk and drill bit	• Permatex Windshield & Glass Sealer, note other cements or sealers may melt under with high temp. This one works great as I have used it for quite some time in my application with the headlight retrofit project.
• Screw driver set; on some OEM fog lights they used the Torx security bolt (as per my set) so you will need the set of Torx security bits to remove the retainer form the reflector housing.	• Long X-Acto knife blade and a hammer • Metal Filler for smoothing out edges



LEXUS FOG LIGHT PREP WORK

- Some of the other DIY Lexus fog light retrofits suggest you to cut off parts of the L/R PANEL SET attached to the bulkhead for the projectors to fit; **I did NOT want to cut of any body metal and this retrofit will not require it...**



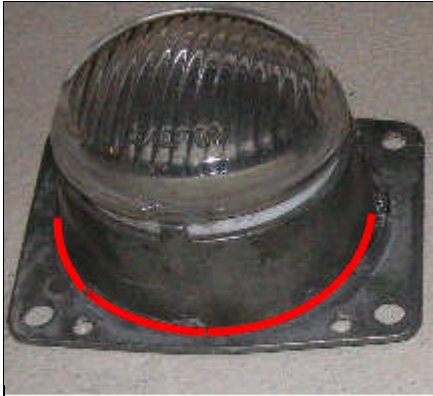
- So I wanted to see what can be done since the projector lens housing part of the Lexus fog is identical in size to the OEM Stanley housing. It turns out; you can separate the housing part from the reflector housing, as they are two separate pcs pressed together.
- To separate them apart you will need your X-Acto blade and a hammer.
- Place the X-Acto blade between the two plates on the fog light, using the hammer hammer down on the blade and the fog light will pop into two pcs, lens housing and reflector housing. Illustrated in pictures below.



- Discard the reflector housing if you wish you don't need it anymore.

OEM FOG LIGHT PREP WORK

- To make your installation water proof you will need to cut off the retainer into two pcs, the metal gasket part that sits on the reflector housing and the oval shape cylinder that the lens sits in. see pics below



Retainer, shown without the housing. you need to cut around the red line



cut using Dremel with cutting disk



front view, you may need to use the filler to smooth down the edges of the cut, Lexus fog lens housing will be attached this side

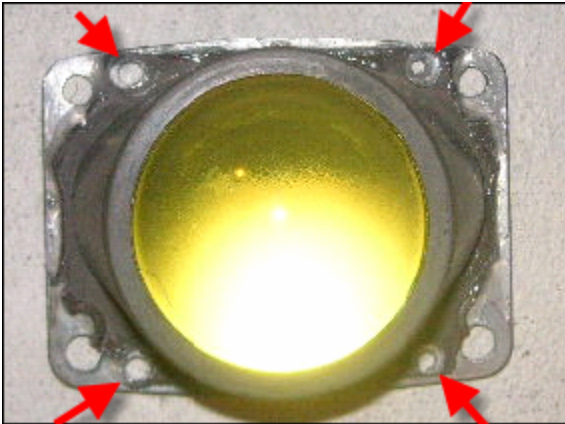


Back view, the gasket part that will sit flush with the oem reflector housing.

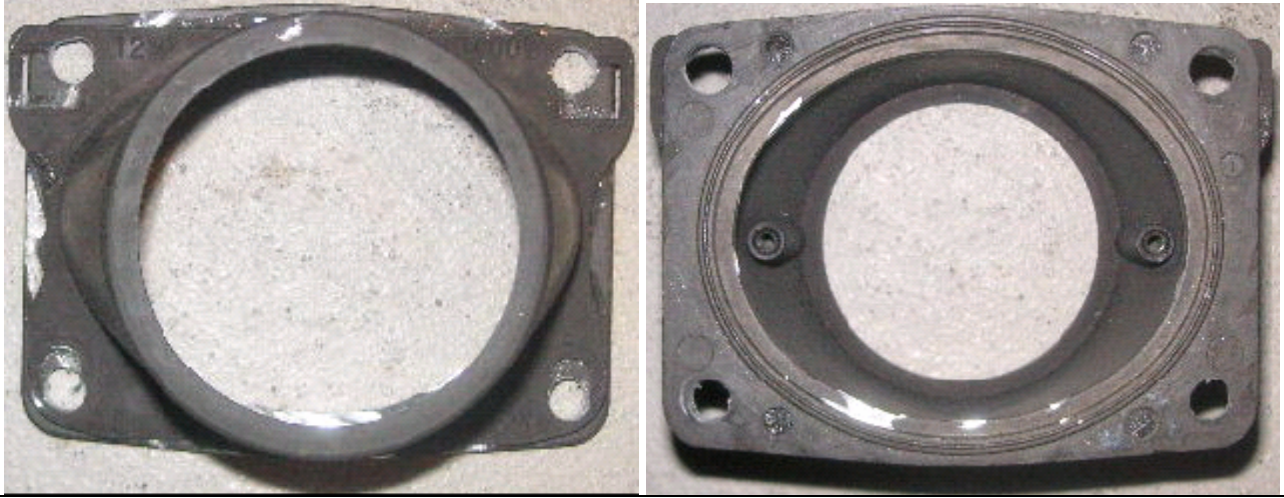
PUTTING EVERYTHING TOGETHER

- To attach the Lexus lens housing to the front of the retainer gasket piece, I used the **Permatex Windshield & Glass Sealer** just spread some around the edge of the Lexus fog lens housing and place it on the retainer gasket, make sure its center and let sit over night.
- I made two versions when I did this; I think version B is much easier and cleaner install.

Version A with small holes for retainer screws



Version B without small holes for retainer screws, I think this is a cleaner install. And easier to put together. Just use a Dremel and a drilling bit to match the holes of the retainer gasket.



Now you are all done install the new lens housing to the reflector housing and you are good to go.

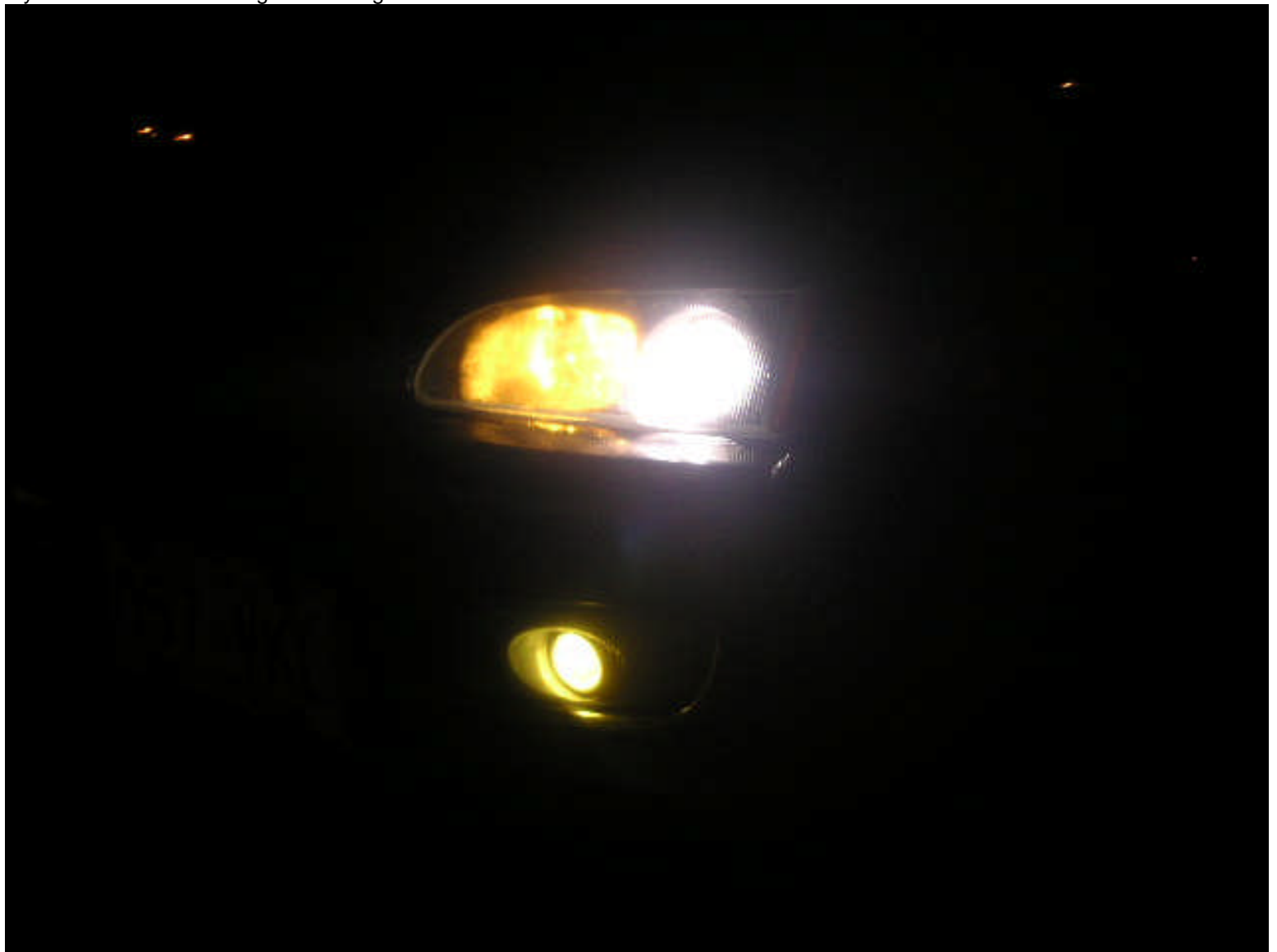
Here are some pictures of the final finish.
They sit perfectly and look just like OEM ones.



Just the fog lights ON with HID bulbs



My retrofit bi-xenon headlights and Fogs ON



Hope this helps!

JDMSIR, JDMCIVIC, RIVIERISMINE.....