



HTC One Camera Lens Replacement

As seen across various blogs the HTC One camera lens cover is prone to breaking. This guide walks through the steps of putting a replacement lens cover on.

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INTRODUCTION

The HTC One camera lens cover is prone to breaking. There are a few different lens covers out there that can be used and this guide walks through the steps on how to replace it. The best option is to use the original HTC One lens assembly but the lens assembly itself is not sold separately. So its recommended to buy the "HTC One Rear Housing" on eBay, Amazon, eTrade supply or other online retailer for ~\$12-20, then remove the lens assembly from this housing and use this to replace the broken lens assembly. Its actually quite easy!

The less desirable options are to use the lens replacements for the Evo 4G and HTC One X. The downside to not using the original lens cover is that the non-original replacement lenses protrude slightly from the body and are prone to getting scuffs on the glass. If a protective case is used on the phone, then the protruding glass will not get scuffed. Although its so easy and cheap to replace, if there is a problem with the lens glass getting too damaged, a new one can be put on in one minute. The lens replacements stay in well and do not fall out.

This guide walks through all the options. Also another contributor posted a video walk through:

<http://www.youtube.com/watch?v=MQsPvdo2c...>

TOOLS:

- Tweezers (1)
- Precision Utility Knife (1)

PARTS:

- HTC One Rear Housing (1)

Step 1 — Camera Lens



- Find an appropriate lens cover on parts4repair.com, [amazon](http://amazon.com), [etrade supply](http://etrade.com), or other online sources. Reading various blogs there are a few that people seem to be using. Below are the common lens covers that are being used:
- #1 Option: HTC One Lens Assembly
- #2 Option: HTC One X Camera Lens
- #3 Option: HTC Evo 4G Camera Lens
- This guide outlines using all three and weighs the pros and cons of each
- At the time of writing this the original HTC One Lens assembly was hard to find, but it's the best option for lens replacement. So if this is still the case then the HTC One X lens is the second best option and the Evo 4G is the third best option.
- On Amazon, eBay, eTrade supply the HTC One Rear Housing is being sold and contained on this is the lens assembly, this can be purchased and the lens assembly removed from this.
- The downside of options #2 and #3 is that the lens protrudes from the back of the phone and may lead to scuffing of the lens. If a protective case is on the phone then scuffing of the lens is not a concern and any of the options will work just fine

Step 2 — Remove the Broken Lens



- Remove the broken glass using tweezers and an exacto knife.
- ☑ If your new lens has adhesive on it, ensure you remove all the old adhesive from the frame so the lens doesn't stick out unnecessarily and so forms a tighter seal

Step 3 — Best Option: HTC One Lens Assembly



- Shown here is the HTC One Rear Housing that I bought separately on eBay. Its recommended to buy the "HTC One Rear Housing" on eBay, eTrade supply, Amazon or other online retailer for ~\$15-25 USD, then remove the lens assembly from this housing and use this lens assembly to replace the broken lens.
- Lightly glued to the housing is the lens assembly that will be needed to replace the broken lens
- Using tweezers gently peel up from the side shown in the picture. Place the tweezers below the lens assembly on the camera flash side and gently pull up. It easily comes up.
- Also, a contributor posted a video walk through: <http://www.youtube.com/watch?v=MQsPvdo2c...>

Step 4 — Best Option: HTC One Lens Assembly



- In order to remove the lens from the lens assembly twist the entire assembly in order to bend the plastic
- Be careful not to break the lens
- Peel the lens out of the assembly, it is held in with a soft adhesive
- Another slightly different method used by "Bruce" in the comments: to remove the lens from the assembly, gently - very gently - flex the plastic housing with a little pressure on the back side of the lens using a cotton bud (q-tip) until the edge of the lens is exposed, you can then carefully use a fingernail to pry the lens free.
- Rotate the housing with your fingernail just under the edge of the lens and it will easily pop free.

Step 5 — Best Option: HTC One Lens Assembly



- After peeling the lens from the assembly some of the soft adhesive is left on the lens
- Using the adhesive that is remaining on the lens push the lens into the housing body and the adhesive will hold it in place.
- The Lens cover fits flush inside the housing and is the best option for replacement because it does not protrude out of the housing

Step 6 — 2nd Best Option: HTC One X Lens Replacement



- The HTC One X Lens replacement has the same diameter as the HTC One body and fits the hole nicely
- The one downside is that it sticks out about a millimeter and will lead to scuffing of the lens over time.
- If a protective case is used on the phone, then scuffing of the lens should not be a problem and this lens cover option will work just fine

Step 7 — 3rd Best Option: Evo 4G Lens Replacement



- The third best option. The Evo 4G lens replacement has a foam adhesive on one side. Remove the release liner from this side to expose the adhesive.
- Place the lens replacement over the camera hole. The foam adhesive will be facing down against the body of the phone and the "8 Megapixel" writing will be facing outward. Push gently against the lens replacement to make sure it adheres well to the body.
- Remove the plastic film on the outside "8 Megapixels" side.
- The adhesive sticks really well in my experience, it can be removed and put back in place multiple times if you don't like how it was placed originally.

Step 8 — 3rd Best Option: Evo 4G Lens Replacement



- As you can see it does not fit perfectly and there is a small gap around the outside and the lens protrudes slightly further from the body of the phone.
- Although the fit is not perfect, the camera takes the exact same quality photos because the light can pass through the glass lens exactly as it did with the original lens cover.
- Because it protrudes further from the body, its prone to getting scratches.
- I used this lens replacement for a month (before finding the HTC One lens assembly) and it stayed in place really well and did not fall out. As you can see in the bright close up image there are light scuffs on the lens cover.
- If a protective case is used on the phone, then scuffing of the lens will not be a problem and this lens cover option will work just fine. Its just a little ugly is all.

Theres a number of different lens covers that might work, this guide outlines how to use three different ones