

# How to Remove E Clips

E-clips are a type of tool used for projects including car engines and locking mechanisms. They resemble an 'E' shape, and they have 1 side with an opening. E-clips are large retaining rings, and retaining rings hold parts onto a shaft...

Method 1 of 3:

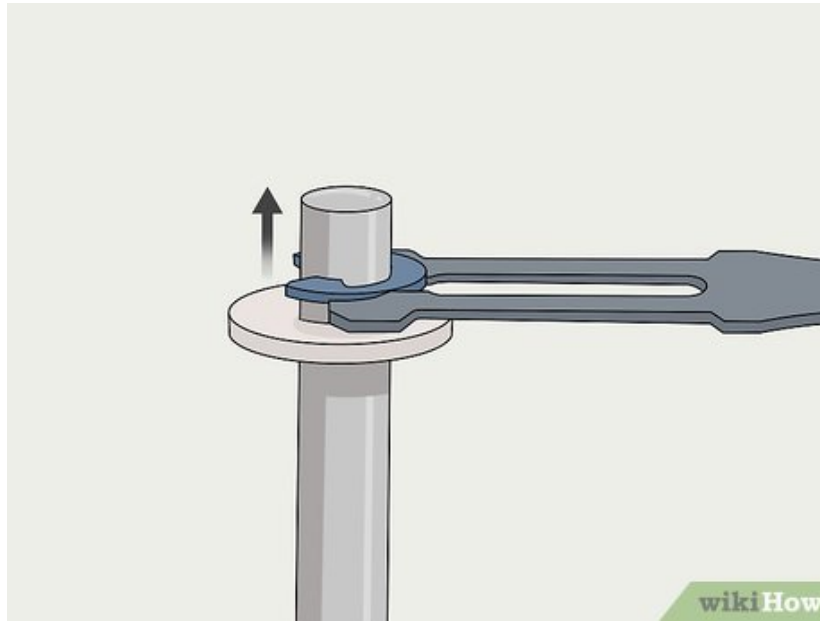
## Using an E-Clip Remover



**Align your remover tool with the edge of the E-clip.** Most E-clip removers have a smooth, curved edge. Line up the curved edge on your tool with the curve of the E-clip, and place your tool just below the E-clip.<sup>[1]</sup>

1. There are several different types of E-clip removers, and you can use them all in a similar way.

2.



**Push upwards and apply steady, moderate pressure.** Once your tool is aligned with the E-clip, simply press up on the tool to remove it from its position.<sup>[2]</sup>

1. Be careful not to use too much pressure, or the E-clip may go flying!

3.



**Store your E-clip in a dry location until you use it next.** Place your E-clip in a storage jar, bin, or container. You can easily use them again and again for other projects involving tools.<sup>[3]</sup>

1. You can store these in your shop or in a tool box, for instance.

Method 2 of 3:

## Removing an E-Clip with Pliers

1.



**Move the middle of the E-clip toward the side so you can grasp it.** To easily remove the E-clip, you want the curved side of the E-clip facing you. If necessary, use your fingers or a pair of needle-nose pliers to twist it around. The E-clip should slide easily with moderate pressure.<sup>[4]</sup>

2.



**Grab the center of the E-clip with needle-nose pliers.** Pinch the middle of your E-clip with the tip of your needle-nose pliers. Hold the pliers securely so you can remove the clip.<sup>[5]</sup>

1. Needle-nose pliers work the best to easily remove the E-clips. However, you can use other types of pliers as well, like slip-joint pliers or locking pliers.

3.



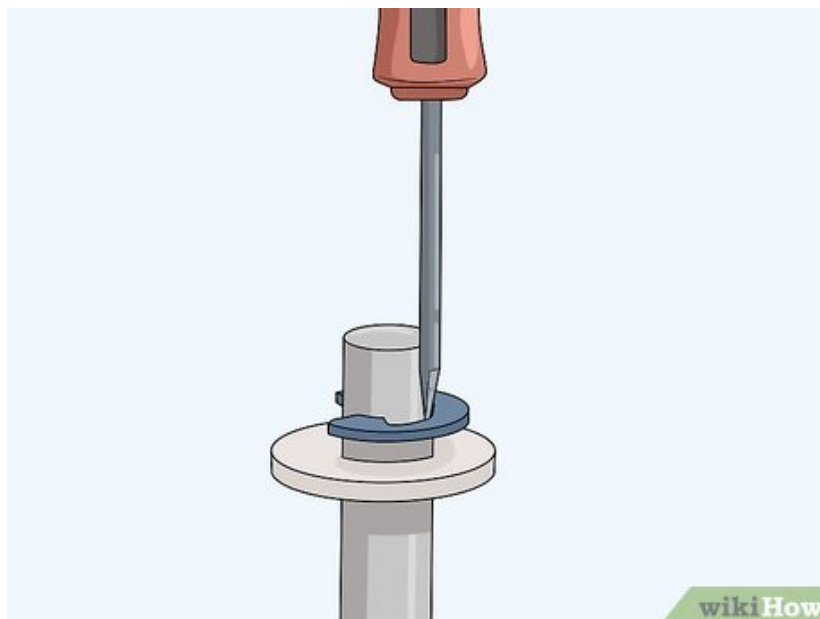
**Pull the E-clip toward you with moderate pressure.** While grasping the E-clip, pull back on your pliers to take the clip out of its position.<sup>[6]</sup>

1. If you are having trouble gripping the E-clip, adjust your pliers so the tip is closer to the middle.

Method 3 of 3:

### Using a Flathead Screwdriver

1.



**Align the screwdriver with 1 of the small grooves in the middle.** Place the tip of your screwdriver inside the groove on the clip. Each E-clip has 2 small grooves in the middle, 1 for the left side and 1 for the right side. You can use either groove to help remove the E-clip.<sup>[7]</sup>

1. For best results, use a screwdriver that is proportionate to the size of the E-clip.

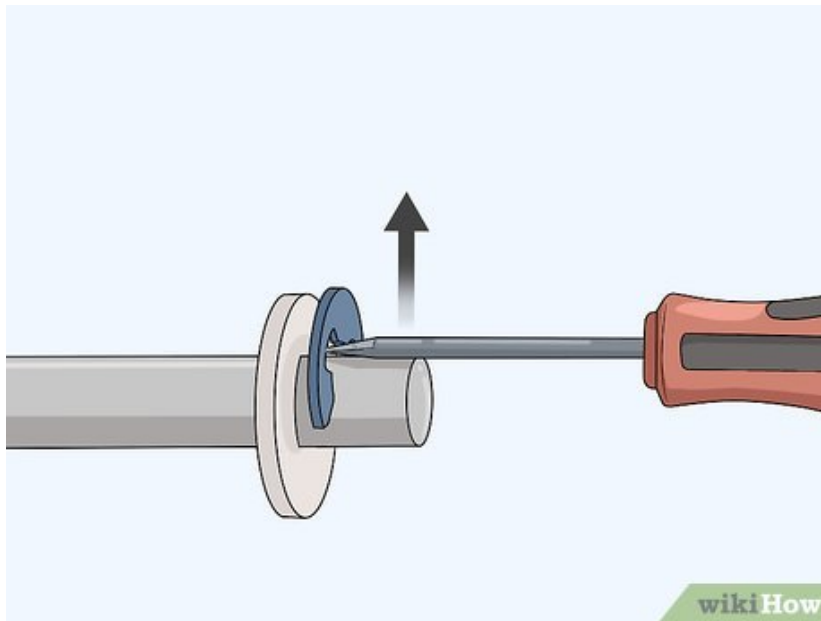
2.



**Place your finger directly next to the E-clip to catch it when it moves.** Hold your index finger of your non-dominant hand up to the E-clip along the top edge.<sup>[8]</sup>

1. This way, you can prevent the E-clip from flying far away when you remove it.

3.



**Push up on the screwdriver with moderate pressure.** Hold your screwdriver with your dominant hand, and push the tool upwards consistently.<sup>[9]</sup>

1. The E-clip should easily come out. If it doesn't, apply a bit more pressure.

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