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# INTRODUCTION

Simoniz told me to pound sand when I asked them for help disassembling this and finding a replacement washer. They said that it was impossible to disassemble and I should just buy a new one for \$35, even though it broke on its second use. I told them I'd never buy one of their products again, and they sent me a replacement wand. Jokes on them, I'm still never going to buy one of their products again as they use custom parts and aren't right-to-repair friendly. This wand has an inherent design flaw that the replacement they sent me has a warning about this flaw on it. Turn off your pressure washer when changing spray angle.



## TOOLS:

- [Hammer](#) (1)
- [Pin Punch](#) (1)

*Or any similarly shaped, hammerable object.*

- [Trigger Clamp](#) (1)

*Or any other type of strong clamp, vise, or a second person.*

- [Channellock Groove Joint Pliers](#) (1)

*Or vice grips.*

- [7/8" Wrench](#) (1)

*Or crescent wrench. Metric does not work unless you have 0.5mm increments.*

- [Probe and Pick Set](#) (1)

*Or any fine tool that will allow o-ring removal.*



## PARTS:

- [2-108 N90](#) (1)

*The highest durometer I could find locally was 90 Shore A. If you can find a Shore A 100 or even a Shore D  $\geq 60$ , that would be better. The OEM o-ring is a custom product not available outside of Simoniz.*

- [2-010 N70](#) (1)

*Potentially a 2-109 N70, check with a local retailer.*

- [Spring 1](#) (1)

**OD~0.377", H~0.265"**

*Closest match I found:*

<https://www.thespringstore.com/pc048-328-3500-sst-0268-c-n-in.html>

- [Spring 2](#) (1)

**OD~0.193", H~0.245"**

*Closest match I found:*

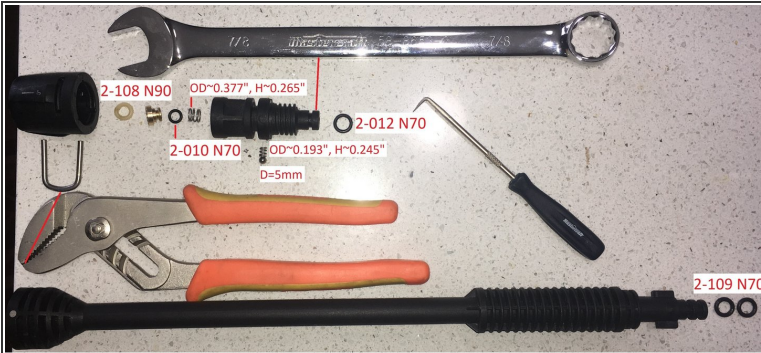
<https://www.thespringstore.com/pc028-188-5000-sst-0250-cg-n-in.html>

- [5mm Metal Ball Bearing](#) (1)

- [2-012 N70](#) (1)

- [2-109 N70](#) (2)

## Step 1 — Simoniz 3-in-1 Wand XE27-021-0090 Teardown



- Pictured all labelled parts in exploded view and tools used.

## Step 2



- Use punch and hammer to back out metal pins seen here.

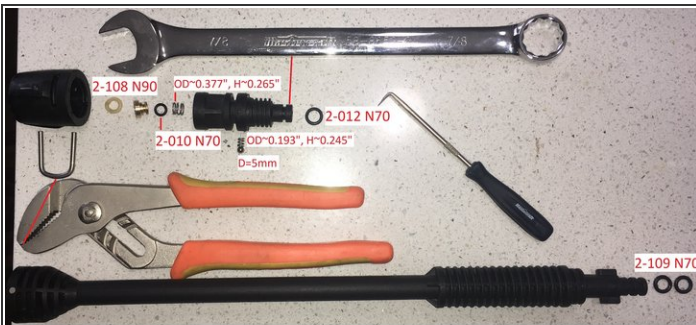


### Step 3



- Once this pin has been backed out far enough, remove it with channellock pliers. Careful, all internal parts tend to fall out once this pin has been pulled out.

### Step 4



- Replace required part and reassemble. Use channellocks to pinch metal pin to fit it back in the holes. To properly remove an o-ring, view the following video. For tough to remove o-rings, also pinch it with a cloth. <https://www.youtube.com/watch?v=EDiDoJCf...>