

Trigger Guard For a Ryobi Air Compressor, Version 1.0

By R. G. Sparber

Protected by Creative Commons.¹



Before buying this battery powered air compressor², I reviewed the negative comments. A common theme was that as you picked up the device, the trigger would get squeezed and the compressor would start to run. Annoying but certainly no reason to ignore all of the positive reviews.

I bought the compressor for \$20 plus tax and it certainly works well.

They even fixed the problem of an inaccurate air pressure gage. But of course, there was that trigger problem. Sure enough, I too found myself accidentally running the motor as I picked it up. No big deal but the fix wasn't that hard.

¹ This work is licensed under the Creative Commons Attribution 4.0 International License. To view a copy of this license, visit <http://creativecommons.org/licenses/by/4.0/> or send a letter to Creative Commons, PO Box 1866, Mountain View, CA 94042, USA.

² Part number P737.



The first step was to figure out the best way to form up and anchor a trigger guard. I used some soft steel wire caught under existing screws.



After removing the screw just below the trigger, I drilled an 1/8" hole tangent to the top of the chamber that held the screw. I then pushed the wire through the hole and formed a hook.

As viewed from the top of this chamber, the wire curves clockwise. In this way, as the screw tightens, it will tend to draw the wire in.

Then I bend the wire around so it lined up with the top hole (red arrow).



Next I notched out the rubber and plastic on the side of this hole. It was too shallow to drill a side hole plus the base of the compressor prevented me from drilling this hole at the needed angle.



The wire was then formed into a hook.





After installing the second screw, the soft wire guard was secure.



The final step was to bend the wire so it was centered over the trigger.

My initial intension was to carefully remove this wire and use it as a template to make a more substantial guard. But then it occurred to me that this might be good enough. It does guide my fingers away from the trigger and is stiff enough to provide partial support as I pick the compressor up.

I'll live with this guard for a while and see if it is sufficient.

I welcome your comments and questions.

If you wish to be contacted each time I publish an article, email me with just "Article Alias" in the subject line.

Rick Sparber
Rgsparber.ha@gmail.com
Rick.Sparber.org