

**READ THE DIRECTIONS TO AVOID FUTURE PAIN!!!**

- 1) Unload the pistol. Remove the magazine and verify that the chamber is empty.
- 2) Field strip the pistol. Remove the slide from the frame and barrel from the side.
- 3) Remove the old firing pin, firing pin retaining plunger and spring. This is best done by taking a 1/8 or 3/16 punch, holding the slide with barrel end pointed up, and pressing in and out on the firing pin retaining plunger. The old firing pin will then drop out of the end of the slide. Remove the plunger and spring.
- 4) Drop the new firing pin into the CZ-52 slide. It should fall freely in the firing pin hole, with the tip of the firing pin protruding from the breech face. If the firing pin does not drop into the hole, do not use force!

On a few guns, we have encountered firing pin holes machined grossly out of specifications, or where a burr forms on the firing pin retaining plunger hole (from dry firing the pistol). The firing pin hole may need a light clean up and/or any burrs on the retaining plunger hole may need to be removed before the firing pin can drop into the gun.

Take a 7/32 drill and clamp it in a vice. Twist the slide onto the drill until the hole is cleaned up. You should remove only a small amount of material from the slide, usually from a single high spot in the firing pin hole. (This is part of your extractor!) You wish to only slightly clean up the firing pin hole. Only the portion of the firing pin hole near the rear of the slide needs to be the full 7/32 diameter, so there is no need to drill deeply into the hole. Do not use a power drill for this operation. A little cutting oil on the drill will help this operation.

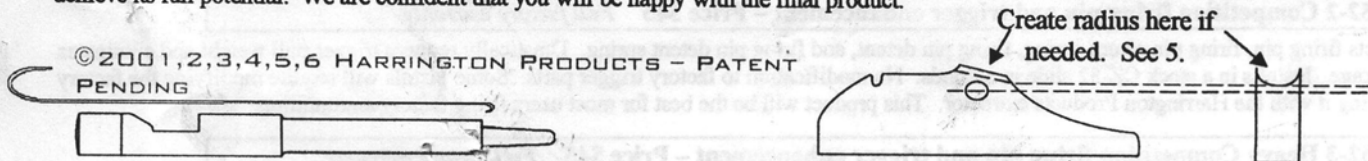
The firing pin hole on the CZ-52 should be 0.219-0.220. A 7/32 drill is 0.2185. The factory firing pin diameter is 0.217, with a few in the range of 0.215-0.216. The largest diameter on the Harrington Products firing pin is 0.213-0.215, tapering to smaller diameters towards the firing pin nose.

- 5) Twist the firing pin return spring onto the firing pin, and drop the firing pin into the slide. You should be able to press on the end of the firing pin with a punch and see the firing pin protrude from the breech face. When you release pressure on the firing pin it should return freely. Drop the new firing pin and spring out of the slide.

On some guns, the firing pin return spring will drag on the square protrusion at the bottom of the firing pin hole (the rear of the extractor), and the firing pin will not move freely. This needs to be corrected before the pistol is used. Drift the extractor pin out of the slide using a 1/8 punch. It seems to help to place the slide flat on a table top and drift the pin from the top. (If you lose the extractor pin a 3/32 by half inch roll pin will work as a replacement.) Remove the extractor from the slide. Clamp the extractor in a padded vice (leather or brass inserts on jaws). Using a small circular file, create a radius on the extractor as shown in the diagram. A colored magic marker or machinist dye can be used to mark the extractor to determine where firing pin drags. Remove a small amount of material only from those spots. Replacing the factory extractor with the Harrington Products CZ-52 extractor will also eliminate this problem.

- 6) Drop the firing pin retaining detent and spring into the firing pin retaining hole in the slide. Make certain the detent drops in freely, without using force. Compress the detent up and down with a punch to make certain it moves freely in the hole. Remove any burrs on the slide which may prevent free movement of the detent.
- 7) Holding the detent down with the punch, insert the firing pin backwards into the slide for a small distance, making sure that the thickest end of the firing pin will clear the detent. If firing pin cannot move past the detent, clip one-quarter of a turn off the end of the detent spring and try again. The detent spring should be as strong as possible to retain the firing pin, but not so long that a completely compressed detent spring will not allow the firing pin past the detent. Remove the firing pin from the slide.
- 8) Compress the detent and install the firing pin in the correct direction into the slide. You will need to take a slender awl or scribe to press down on the detent as the spring moves past. A Starrett machinist scribe costs about \$30 and is ideal for this task. In a pinch a bent safety pin will also work. A punch is typically too fat to do this job. The flat portion of the firing pin should face the detent. There should be an audible 'click' as the detent engages the firing pin. Test the firing pin by pressing on the end with a punch. The tip of the firing pin should protrude from the breech face, and the firing pin should return on its own when the pressure is released.
- 9) To remove the firing pin, take a long awl, scribe, or 1/16 punch and press in out the detent through the hold drilled in the firing pin. Push the firing pin past the detent using awl or scribe. If the firing pin is stubborn, a pair of needle nosed pliers can be used once the detent releases the firing pin.

The CZ-52 pistol is an extremely accurate and well made firearm. The Harrington Products firing pin and trigger conversion will help your CZ-52 to achieve its full potential. We are confident that you will be happy with the final product.



**NEW HARDENED ROLLERS CZ52-5 FOR THE CZ-52 PISTOL**

All Harrington Products are machined from high impact tool steel, hardened to around 42 Rockwell. We are so confident in the quality of this product that we offer the following guarantee: If this product breaks, return it for a free replacement.