

-LAKE-LINE-

Lakeline LLC Target Barrel Installation Instructions

SUPPLIES: Firearms cleaning and lubrication supplies

PROCEDURE:

- Check that pistol is unloaded and remove magazine.
- Field strip the pistol, removing the slide, recoil assembly and barrel per the factory user manual.
- Check the fit of the new barrel and make sure it fits into the slide. **Lubricate the outside of barrel with gun grease and hand cycle.** If you are getting minor rubbing, fire the weapon to break it in; if it will not cycle you likely have an older firearm, see the section below on **FITTING**.
- Clean the barrel to remove any grit from machining by running patches with solvent on them through the barrel until they come out clean.
- Lube the new Lakeline barrel with a light coating of a thin gun grease or gun oil on the outer surfaces.
- Reassemble the pistol.



- Check functionality, cycle the slide, lock it back, etc.
- For threaded barrels, install any thread protectors, compensators, or other barrel devices per their instructions. **It is important to protect the threads of threaded barrels.**

NOTES:

1. **FINISHES.** Metal parts that rub together or make contact with other metal parts will get

visible marks, scratches, or burnished. Even very hard finishes, like the black nitride and gold TiN finishes we use will wear and that will be visible. Stainless parts will also get scratched, burnished, and show where they rub and touch other parts. This is normal and is not a defect. We have seen that when we replace a barrel in one of our pistols, the new barrel seems to show the same sort of wear pattern as the barrel we removed. ***If this doesn't work for you, don't install the barrel and return it without use.*** Once you mark it up, it cannot be returned. Normal wear and marks are not warranty issues and are to be expected.

2. **FITTING.** This barrel is most of the time a drop in fit. However, the slides of these pistols vary quite a bit and we fit pistols of several generations all the way back to 2013. If we made the barrels loose enough to fit in every possible pistol, they would not lock up tightly nor be as accurate.

Sometimes minor fitting will be required to fit the barrel to the pistols including the PT111 G2, G2C, G2S, G3C and G3. We have seen some of the openings in the slides, from the breech to the front of the ejection port, that are small enough that some minor fitting is needed for the barrels to fit all the way up into the slide. We recommend gunsmith fitting and checking of installations on the G2 series pistols.

Make sure you want to keep the barrel before fitting it or modifying it. Once you modify the barrel to fit it, it is no longer merchantable and is not eligible for a return.

Fitting can be required on the barrel for the distance from the breech to the front of the ejection port, so the barrel can fit up, all the way into the slide. That opening can be a few

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thousandths of an inch smaller on some pistols. It can be easily hand fit with some minor work **on the barrel**.

Here is a photo of the barrel not fitting all the way in the ejection port opening:



Here is how it looks normally, with the barrel fitting to the top of the ejection port:



Fitting this only takes removing a small bit of material from the shiny, silver surfaces in the photo below:



A different fit issue we saw on one of the first 7 slides (from a G2S) we put the threaded barrel

in didn't allow the barrel to tilt far enough to allow the longer barrel to drop into place. It required fitting, removing some material along the top front edge and inside

lower edge, of the hole the barrel fits through to allow it to tilt far enough for the barrel to drop into place. That pistol is not likely to be unique.

If your barrel won't go further than this, **your slide needs fitting**:



Material needs to be removed from these 2 edges to allow the barrel to tip a little further so it can be slid in:



If it isn't clear to you, don't do it. A gunsmith can fit it for you. It takes a little hand work with a round file, cleaning up the file marks, and refinishing the edges with some cold blue on a black slide. Done properly, the barrel will still lock up as accurately as before.

Thank you! If you have any questions or problems, the best way to contact us is by email at info@lakelinellc.com