



**Spitfire Lightweight Barrel
For Ruger® 10/22®
Installation Instructions
V1.0**

www.tandemkross.com

For more information or support, contact CustomerService@tandemkross.com

ATTENTION: Before you begin, be certain that the magazine is removed, and the chamber is clear. Follow all safety precautions, and double check your firearm is SAFE.

Installation Guide:



Required tools: Before you begin, please ensure you have all the tools listed.

- 5/32" Allen key
- 1/8" punch
- Small hammer
- Tape (optional)
- T10 Torx key (if Manticore Trigger assembly installed)

Installation Steps:

- 1) Loosen the takedown screw located in front of the magazine well using the 5/32" Allen key.



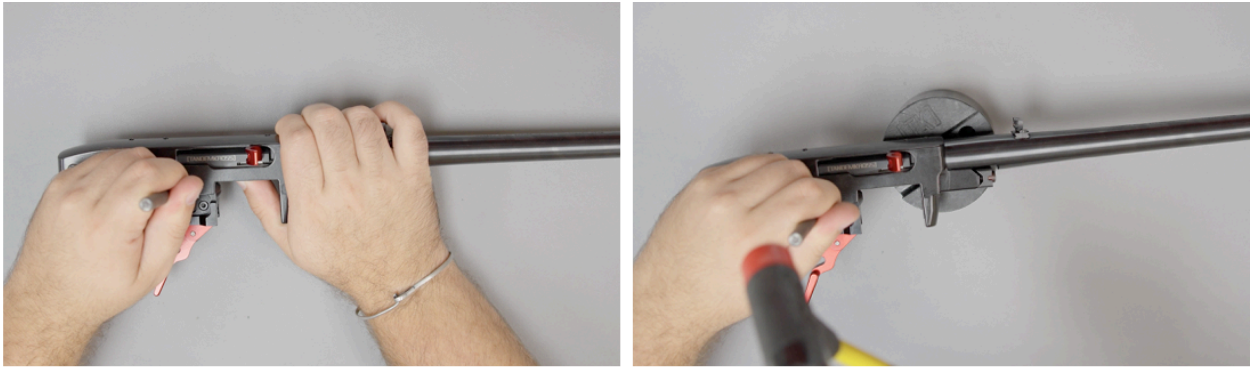
- 2) If you're using a Manticore trigger assembly, remove the Bolt Keeper knob (toolless) and safety wings with a T10 Torx key, and set them aside for later.



- 3) With the takedown screw loosened, pivot the action up and out of the stock, then set the stock aside.



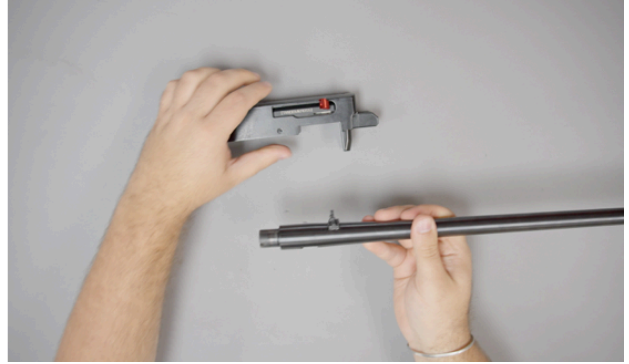
- 4) Take out the two receiver cross pins to remove the trigger assembly. If necessary, use a punch to assist. Set the trigger assembly aside for reinstallation later.



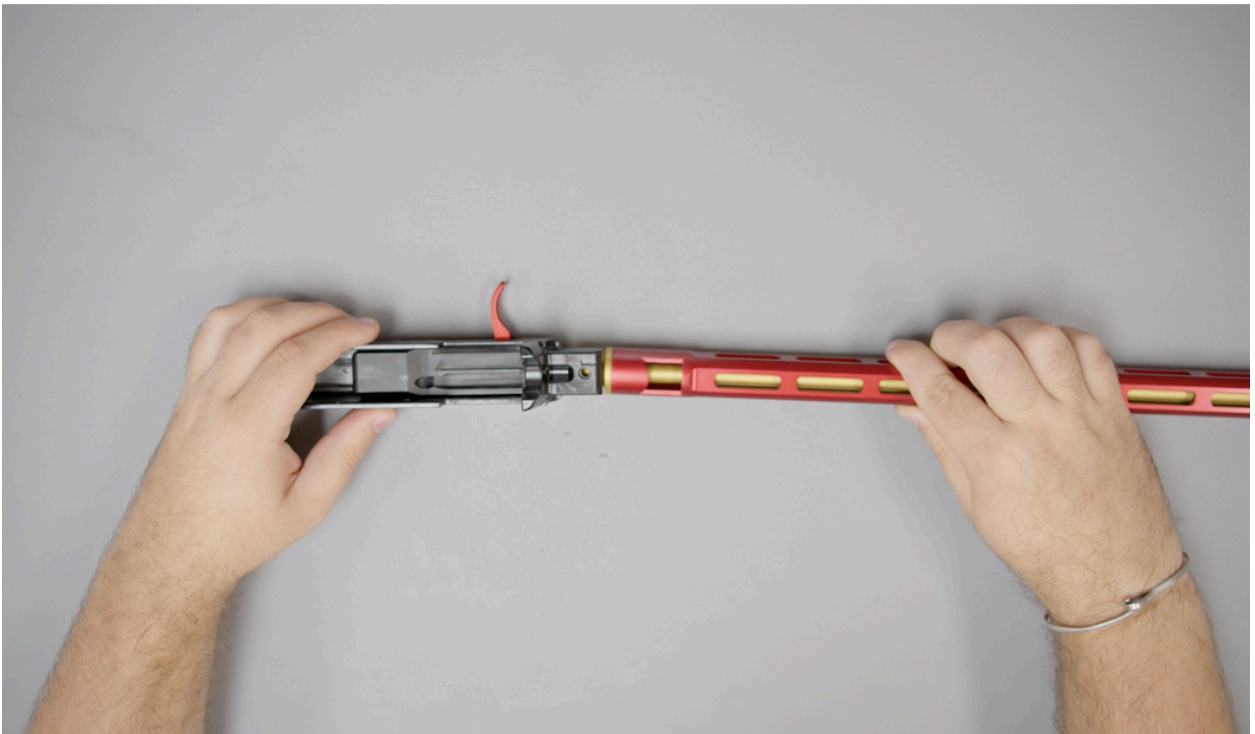
- 5) Use the 5/32" Allen key to remove the two V-block screws. Take off the V-block, and set it aside or replace it with the TANDEMKROSS V-block if you're upgrading that as well.



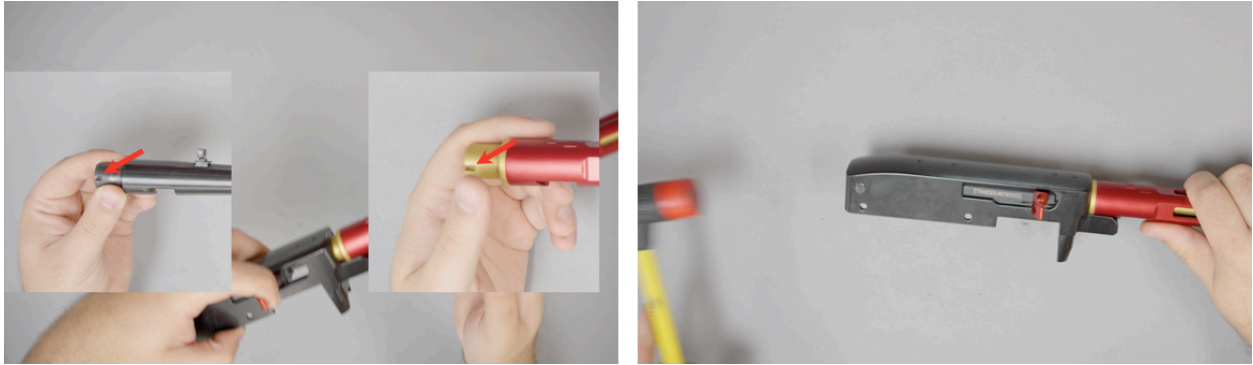
- 6) Pull the old barrel straight out of the receiver. If it's tight, apply penetrating oil or use a non-marking mallet to gently tap it loose. (See video for additional tips)



- 7) Align the V-block slot on the new Spitfire barrel with the receiver and carefully tap the barrel into place with a non-marking hammer if necessary. Check that everything is aligned as you go.



- 8) Align the apex of the V-block cut on the underside of the barrel with the takedown screw hole on the receiver. The extractor slot on the barrel should also align with the extractor.



- 9) Reinstall the V-block. Insert the screws and hand-tighten them, then torque them to 10-15 inch-pounds or tighten them securely by hand. Optionally apply masking tape to the barrel to prevent accidental marring of finish during installation.



- 10) Insert the trigger assembly back into the receiver and secure it with the cross pins.



- 11) Place the action back into the stock, making sure everything fits snugly, and tighten the takedown screw.



- 12) Reattach any controls you removed earlier, such as the Bolt Keeper knob and safety levers.



Thank you!

You have successfully completed the installation of your TANDEMKROSS Spitfire Lightweight Barrel. Thank you for your support, and if you have any further questions, please reach out to CustomerService@tandemkross.com. Enjoy!