RUGER® 10/22®

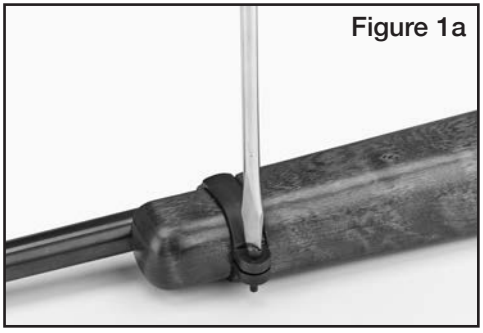
CARBON FIBER & TARGET BARREL REPLACEMENT INSTALLATION INSTRUCTIONS

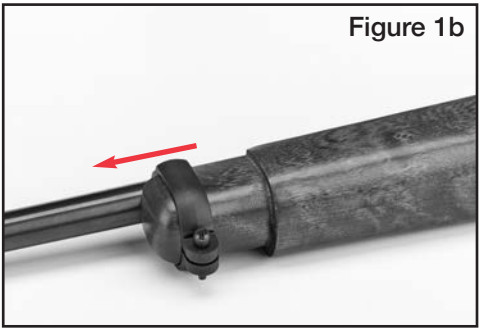
An on-line video demonstrating the disassembly and reassembly of the Ruger® 10/22® rifles can be viewed by going to Ruger.com/TechTips.

NOTE: These barrels are not compatible with 10/22 Takedown® rifles and can only be used with stocks designed to accommodate barrels with a .920'' or larger diameter.

STOCK REMOVAL

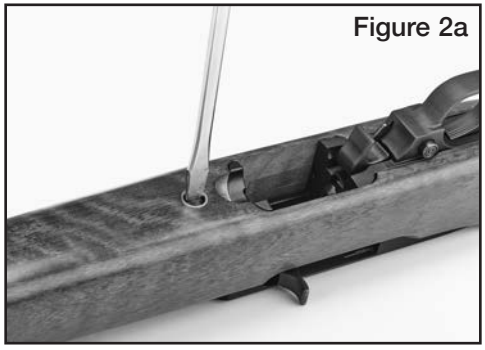
1. With the rifle pointing in a safe direction, remove the magazine, open the bolt and visually make certain there is not a cartridge in the chamber. Allow the bolt to close. The rear sight leaf should be down, and the hammer should be cocked.
2. For 10/22® Rifles equipped with a barrel band, loosen the barrel band screw (see Figure 1a) and remove the assembly from the stock (see Figure 1b).


Figure 1a


Figure 1b

3. Loosen (do not remove) the takedown screw by turning it ***counterclockwise*** using an appropriate tool. (See Figures 2a & 2b.)

   NOTE: Some takedown screws will use an appropriately sized flat-head screwdriver for removal or installation, while others use a 5/32” Allen key. Only use the correct tool for your rifle and takedown screw.


Figure 2a

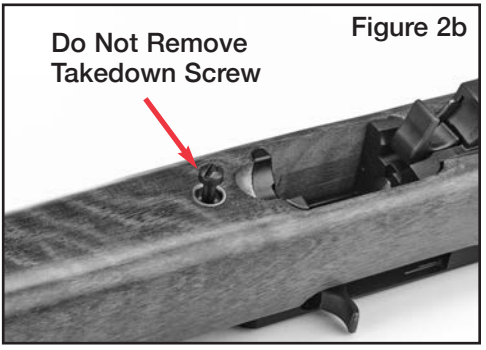


Figure 2b

4. Position the safety so an equal amount of the button is exposed on each side (see Figure 3). If the safety is not in the middle when the barrel-receiver assembly is lifted out of the stock, the stock may be damaged and/or the safety may not function correctly upon reassembly.

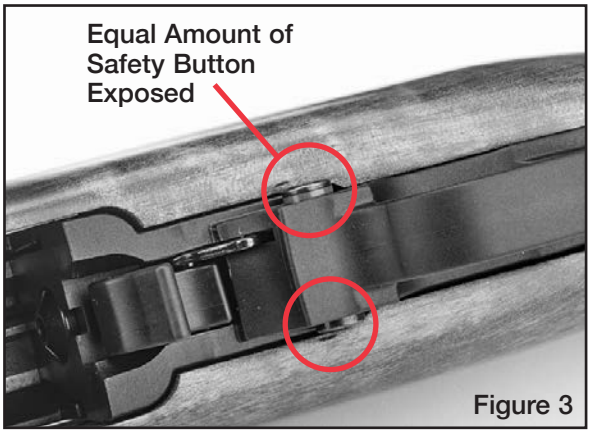


Figure 3

5. Swing the barrel-receiver assembly upward and away from the forearm of the stock (see Figure 4a). Be careful the two receiver cross pins and bolt stop pin do not fall out (see Figure 4b).

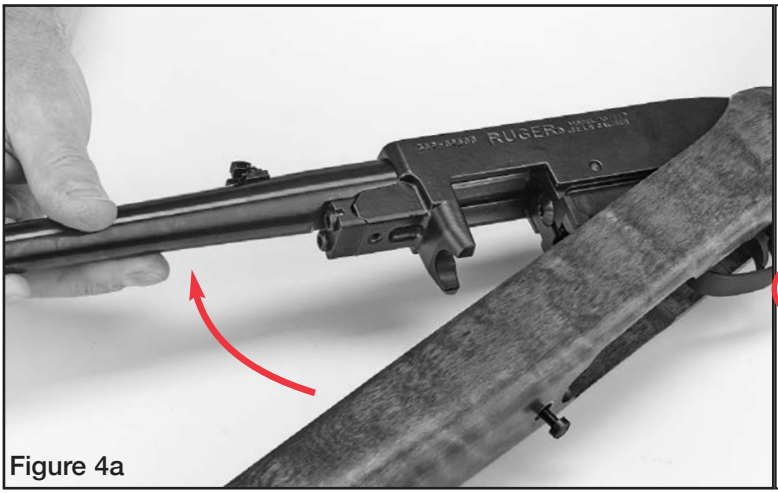


Figure 4a

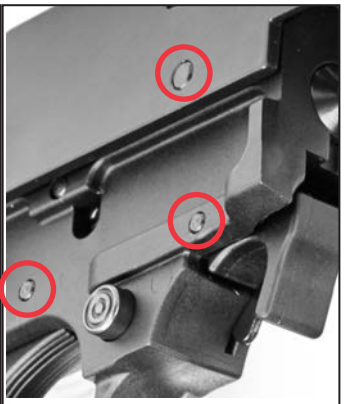

Be careful pins do not fall out.

Fig. 4b

⚠ WARNING – BARREL NUT



When removing the muzzle device on some models, a barrel nut is behind the cap. This nut is used to lock the barrel in place. This nut is torqued to precise factory specifications to optimize performance. **DO NOT** attempt to tighten or remove the barrel nut. Failure to follow this warning may cause permanent damage to your firearm.

DO NOT REMOVE BARREL NUT

BARREL REMOVAL

1. Use a 5/32” Allen wrench to remove the two barrel retainer screws from the barrel retainer v-block by turning them ***counterclockwise*** (see Figure 5).

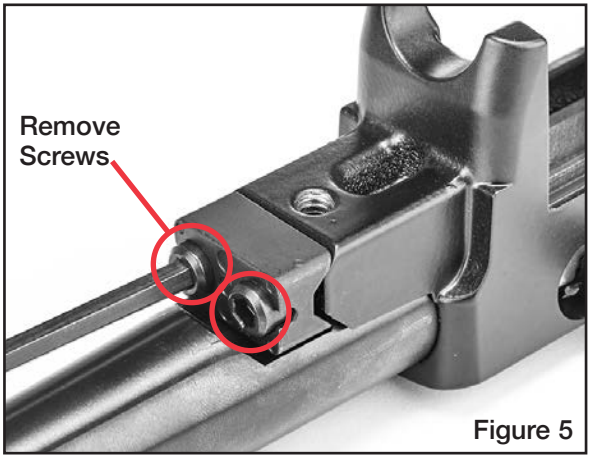
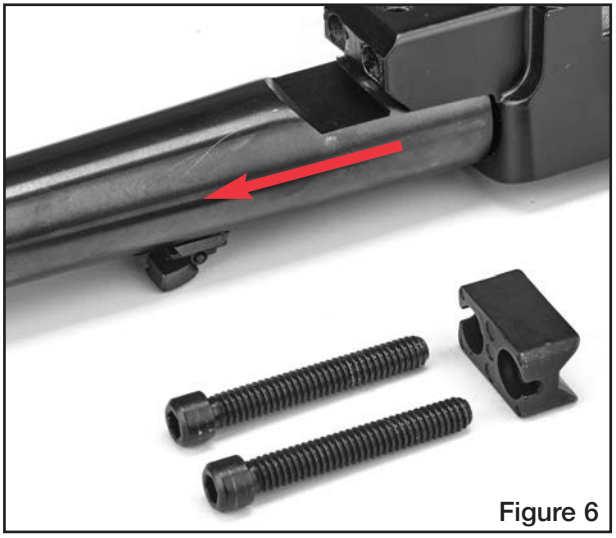


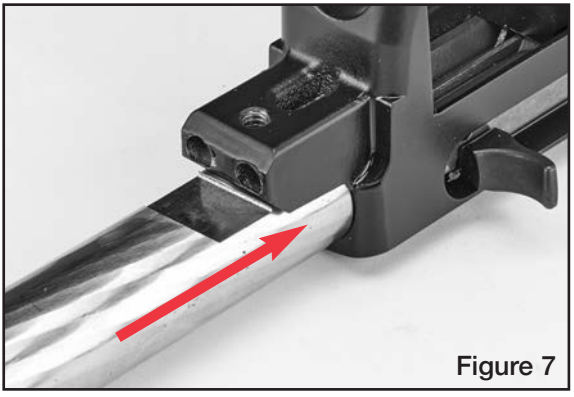
Figure 5

2. Remove the barrel retainer V-block and the barrel (see Figure 6). Remove the barrel from the receiver by pulling it straight out of the front of the receiver.

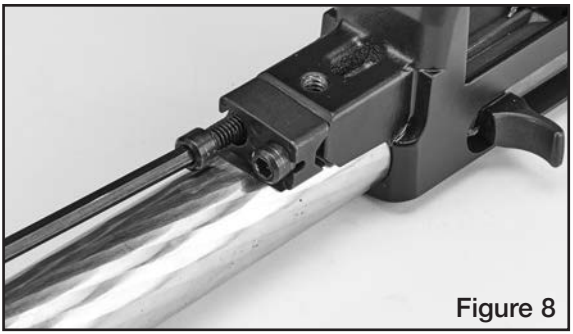

Figure 6

BARREL INSTALLATION

1. Install the barrel by inserting the barrel shank into the front of the receiver ensuring that the machined notch designed to accept the V-block is pointing down in relation to the receiver (see Figure 7). **NOTE:** You may have to tap the muzzle end of the barrel in order to fully seat it into the receiver. If this is necessary, first place a piece of wood or similar, softer material between the barrel muzzle and striking implement before striking the barrel.


Figure 7

2. Place the V-block into the notch in the barrel and, using a 5/32'' Allen wrench, turn the retainer screws clockwise until they are hand tight. Torque to 20 in-lbs. (See Figure 8.)


Figure 8

3. Position the safety so an equal amount of the button is exposed on each side (see Figure 9).

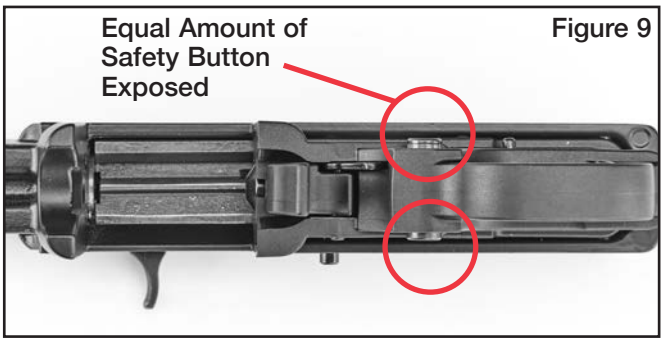


Figure 9

4. Insert the barrel-receiver assembly into a target stock by guiding the rear portion of the assembly into the stock and then lowering the forward portion into position (see Figure 10).

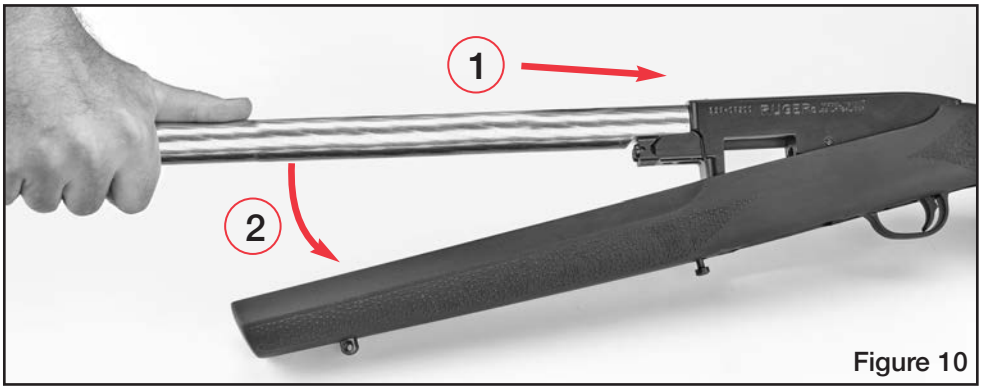
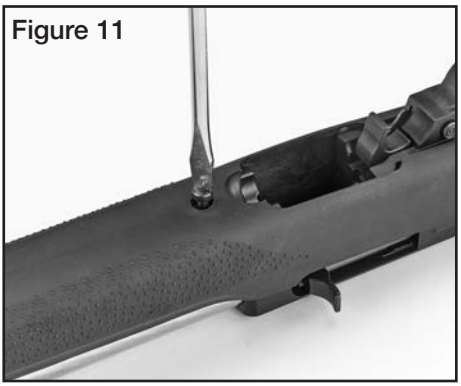


Figure 10

5. Using the appropriate tool, hand tighten the takedown screw. **CAUTION:** Do not over tighten the takedown screw. Over tightening this screw may cause damage to your firearm (see Figure 11).

If the rifle does not function properly after installing the new barrel, repeat the the steps above or call Ruger Customer Service at 336-949-5200 for further assistance.


Figure 11