



*Always follow proper firearm safety practices and wear safety gear when servicing or handling any firearm.  
Texas Weapon Systems is not responsible for your mishandling or improper use of a firearm.*

**Read complete instructions before installing this product.**

**\*\*\* Assure the firearm is unloaded before servicing. \*\*\***

~ PN 33319 - Gen3 Krinkov Dog Leg Rail model

**Detailed Installation Instructions**

1. Remove the factory supplied hinge pin and dust cover.
  - 1.1. Securely hold the weapon in a rifle vise or a bench vise.
    - 1.1.1. If using a bench vise carefully clamp the weapon being careful not to crush the receiver. Wrapping the rifle with a rag will help prevent damage to the finish.
  - 1.2. The factory hinge pin is retained by a press fit ring on the ejection port side. Use a 4mm (5/32") or smaller punch to press out the hinge pin from the ejection port side. (Fig. 1)
  - 1.3. Remove the hinge pin, press ring, and original top cover assembly. These parts will not be re-used. Take care not to lose the gas tube retaining pin and spring. (Fig. 2)
  - 1.4. Remove the gas tube retaining pin and spring to facilitate ease of installation during fitment. Set these parts aside for later reinstallation. (Fig. 2)
2. Install the new release button.
  - 2.1. Remove the recoil spring assembly from the weapon.
  - 2.2. Test fit the new replacement button into the rear trunnion slot.
    - 2.2.1. **On some weapons it may be necessary to lightly sand the bottom surface of the release button to obtain an optimal fit in the trunnion slot.** The button should be able to fully slide to the rear of the slot. Add a drop of gun oil in the slot for a smooth function.
  - 2.3. Disassemble the recoil spring assembly as shown. (Fig. 3)
    - 2.3.1. To disassemble the recoil spring assembly, manually compress the spring about two inches and remove the spring retainer cap. All parts can now be disassembled.
  - 2.4. Replace the standard release button with the new release button supplied in the box. Reassemble in the reverse order.
  - 2.5. Recoil assembly should be set aside for later installation.
3. Fit the Dog Leg™ rail to the rifle.
  - 3.1. Ensure that the "krink plate" is installed between the cover body and the hinge fork. The finger on the "krink plate" should be oriented so that it has a downward slope.
  - 3.2. Finger tighten the two adjustment bolts of the hinge fork, leave loose enough to permit forward and backward adjustment.
  - 3.3. Attach the hinge fork to the hinge block with the supplied hinge pin bolt inserted from right to left. The bolt head should fit in the recess.
  - 3.4. Adjust cover length so the rear of the cover sits within the rear trunnion groove and as far back as possible. (Fig. 4)
  - 3.5. Once the length is set, tighten the two adjustment bolts. A thread locking adhesive such as Loctite Blue is recommended.
  - 3.6. Remove the hinge bolt to remove the cover from the rifle.
  - 3.7. Reinstall the gas tube retaining pin and spring into the hinge block.
  - 3.8. Attach the hinge fork to the hinge block with the supplied hinge pin bolt inserted from right to left. The bolt head should fit in the recess. The "krink plate" finger should put pressure on the gas tube retaining pin. (Fig. 5)
  - 3.9. Install the washer and lock-nut using a 7mm wrench or crescent wrench. **Tighten the lock-nut just barely enough to remove the slack between the hinge and hinge block.**
4. Re-assemble the weapon.
  - 4.1. Re-install the recoil spring assembly.
  - 4.2. Close the cover and charge the carrier several times to fully seat the release button in the cover.
5. The weapon is now ready for use.





Tools



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Assembly complete