

## Thank You for purchasing a KIDD Two Stage Trigger!

**INSTALLATION:** The KIDD Two-stage Trigger assembly, is tuned and adjusted at the factory for optimum performance. To install the assembly: Make sure your rifle is **unloaded and pointed in a safe direction**. Remove the barreled action from the stock. With the bolt forward, extract the two retaining pins (or make note of where they fell on the floor) and remove the existing trigger assembly. Place the cocked assembly into position in the action and insert the retaining pins. Install the barreled action into the stock. The assembly is now ready for service.

**SAFETY:** The safety button (106) is located at the front of the assembly. Depression of the safety button on the left side of the assembly locks the trigger and sear, rendering the assembly safe for carry or transport. Depressing the safety button on the right side will expose the red ring; this signifies that the safety has been released and the assembly is ready to fire.

**CAUTION!** It is advised that you never transport a loaded weapon. See the included RULES FOR SAFE FIREARM HANDLING. If you have questions regarding the safe handling or operation of the assembly, contact KIDD, at the aforementioned information.

**OPERATION:** The assembly is a two-stage semi-automatic trigger. As the trigger is pulled, it travels in a smooth rearward arc. This travel is called "slack". Slack is the engagement of the hammer (122) and sear (128), which establishes the first stage. The slack is interrupted by the second stage pressure piece. This interruption establishes the "let off engagement". The let off engagement is the point where slack (engagement) has been reduced to a minimum just prior to releasing the hammer. When sufficient pressure is placed on the second stage pressure piece, the hammer will be released, firing the rifle and cycling the action. Releasing the trigger (110) resets the assembly and allows it to be fired again.

**NEVER DRY FIRE THE ASSEMBLY WHEN IT IS NOT INSTALLED IN THE ACTION. DRY FIRING WITHOUT PROPER SUPPORT FOR THE HAMMER CAN CAUSE DAMAGE TO THE ASSEMBLY.**

**BOLT HOLD OPEN:** The bolt hold open (152) is located in the forward section of the assembly. The bolt hold open manually retains the bolt in the rearward position. To hold the bolt open, pull the bolt handle to the rear most point while depressing the lower portion of the bolt hold open. Slowly release the bolt handle until the bolt catches on the bolt hold open. To release the bolt hold open, pull the bolt handle to its rear most position and release. The bolt will move forward into battery.

**CAUTION:** The bolt hold open does not lock the bolt on the assembly. Retracting the bolt will release the bolt hold open and allow the bolt to move forward into battery. This is to facilitate loading in match situations and is not recommended for field use. It is recommended that the safety be in the "ON" position at all times when the bolt is held open.

**SLACK-FIRST STAGE:** The slack travel and weight are preset at the factory for optimum performance and should only be adjusted by a knowledgeable gunsmith. Turning the hex screw in the center of the first stage (169) pressure piece clockwise will increase the first stage pressure. Turning the hex screw counter clockwise will decrease the first stage pressure. Caution must be taken when decreasing the first stage pressure as the sear is operated by the plunger and too little pressure will render the sear inoperable.

**LET OFF PRESSURE (SECOND STAGE WEIGHT):** Let off pressure is the pressure required to release the hammer (122) from the sear (128) in turn firing the rifle.

This pressure is determined by the second stage pressure piece (134). Turning the hex screw in the center of the second stage pressure piece clockwise will increase let off pressure. Adjustments should be made in 1/8 turn increments until the desired pressure is achieved. The let off pressure has been preset at the factory for optimum performance and should only be adjusted by KIDD or a qualified gunsmith.

**LET OFF ENGAGEMENT-SECOND STAGE ENGAGEMENT:** Let off engagement is the point where slack has been reduced to a minimum just prior to releasing the hammer (122). This engagement is determined by the second stage pressure piece (134). To increase let off: first loosen the second stage pressure piece lock screw (150). With a blade screwdriver, turn the second stage pressure piece clockwise. This will establish creep and should only be adjusted in 1/8 turn increments. Tighten the second stage pressure piece lock screw. To decrease let off: first loosen the second stage pressure piece lock screw. With a blade screwdriver, turn the second stage pressure piece counter-clockwise. This will eliminate creep and should only be adjusted in 1/8 turn increments. Too much counter-clockwise adjustment will eliminate second stage let off completely. Tighten the second stage pressure piece lock screw. Great care should be taken in this adjustment, and should only be performed by KIDD or a qualified gunsmith.

**OVERTRAVEL:** Over travel is the rearward travel of the trigger (110) past the point of let off. This travel is determined by the overtravel screw (108). To increase overtravel, turn the overtravel screw counter-clockwise. Adjustments should be made in 1/8 turn increments until the desired overtravel is achieved. To decrease overtravel, turn the overtravel screw clockwise. Adjustments should be made in 1/8 turn increments until the desired overtravel is achieved. The overtravel is preset at the factory for optimum performance and should only be adjusted by KIDD or a qualified gunsmith.

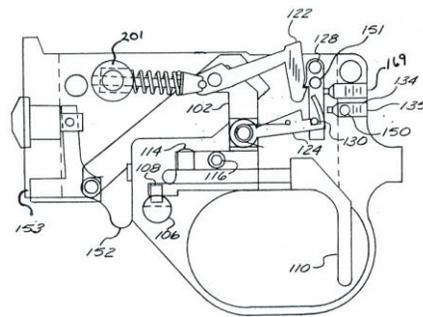
**INTERCHANGABLE TRIGGER BLADES:** We offer curved and straight trigger blades, each in red or black powder coating for our KID two stage trigger. The straight blade provides a natural trigger finger placement with target and thumbhole grip stocks. The curved blade works with any stock choice. **Removing and Installing a Trigger blade:** Remove the trigger from the receiver in order to have a top down view. With the hammer (122) up, pry the main spring retainer (201), spring and strut from the top of the unit. Put the safety (106) on so that the hammer and sear don't become locked. Loosen the 1/16th hex (114) so that the trigger blade and dowel pin can be pulled rearward and out of the trigger pivot (102). Then

put the new trigger blade in and do everything in reverse.

**INTERCHANGABLE MAGAZINE RELEASE:** Our interchangeable system allows the shooter to go quickly from the medium length "extended" release to the long "speed" release or the slim "Sportsman" release with the turn of a set screw. No need to remove the trigger from the receiver just drop the magazine and make the switch. Each piece is machined from 6061 T6 aluminum billet and then anodized black or silver. To go with either our two stage or single stage trigger systems. **Changing the magazine lever:** With trigger in rifle, drop magazine. Loosen set screw (153), drop out current magazine lever. Install new one and tighten screw.

**TRIGGER BODY POSITIONING SCREW:** The trigger body positioning screw (116) determines the position of the trigger body and its relationship to the safety. Turning the trigger body positioning screw clockwise will move the trigger body rearward. Turning the trigger body positioning screw counter-clockwise will move the trigger body forward. **CAUTION!** If the trigger body is positioned too far rearward or forward, it may interfere with the operation of the safety button, causing a dangerous situation. This screw is preset at the factory for optimum performance and **no adjustments or modifications should be attempted.**

**TAKE UP AND SEAR POSITION:** Take up is the play between the transfer bar (124) and the sear connecting pin (130). The trigger bar must have a bit of take up in order to operate properly. The sear (128) position is determined by the sear positioning screw (151). This screw is used to position the sear in relation to the trigger bar. Should the take up ever need adjustment, use the following instruction. With the trigger assembly out of the rifle, depress the hammer (122) until the trigger bar disconnects from the sear connecting pin. With the hammer still depressed, pull the trigger (110) to the rear. Release the hammer to the cocked position. Slowly release the trigger and not the action of the trigger bar. As the trigger reaches its foremost point, the trigger bar should rise and connect with the sear connecting pin. If the trigger bar fails to rise and connect with the sear connecting pin, the sear (128) is too far forward. Turn the sear positioning screw clockwise in 1/8 turn increments until the trigger bar rises to connect with the sear connecting pin. Should the trigger bar rise and connect before the trigger reaches its foremost point, the sear is positioned too far rearward. Turn the sear positioning screw counter-clockwise in 1/8 turn increments until the trigger returns to its foremost position. If the trigger is not allowed to return to its foremost position the safety button may become inoperable causing a dangerous situation. The trigger bar and the sear relationship is preset at the factory for optimum performance and should only be adjusted by KIDD or a qualified gunsmith.



The information available in this instruction manual is intended for the use of responsible adults. KIDD urges all members of the public to become familiar with the Rules of Safe Firearm Handling.

### **Rules of Safe Firearm Handling**

1. Always keep the muzzle pointed in a safe direction
2. Firearms should be unloaded when not in use
3. Don't rely on your gun's "safety".
4. Be sure of your target and what is beyond it.
5. If your gun fails to fire, handle with care.
6. Always wear ear and eye protection when shooting.
7. Be sure the barrel is clear of obstruction.
8. Learn your gun's mechanical and handling characteristics.
9. Never transport a loaded firearm.
10. Avoid alcohol and drugs while handling firearms.



## KIDD Two Stage Trigger

### **KIDD Innovative Design**

2633 Terminal Loop Rd  
McQueeney, Texas 78123

Phone Number: 830-557-4411

Fax Number: 830-557-4487

Email: [ybaverage@msn.com](mailto:ybaverage@msn.com)

Websites:

[www.coolguyguns.com](http://www.coolguyguns.com)

[www.kiddinnovativedesign.com](http://www.kiddinnovativedesign.com)

