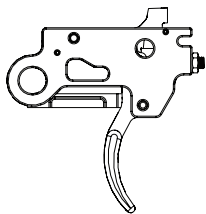


MRAD/98B



MRAD/98B TRIGGER KIT

INSTALLATION INSTRUCTIONS

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MANUFACTURER'S DISCLAIMER

BARRETT FIREARMS MANUFACTURING INC. is not be responsible in any manner whatsoever for physical injury or property damage resulting from unauthorized modifications or other influences beyond our direct and immediate control. If you do not understand the instructions in this manual, please contact BFMI for clarification.

Improper adjustment of the trigger settings can result in the firearm being unsafe to operate. Contact BFMI for more info.

USE OF THESE INSTRUCTIONS

Read these instructions before you use or manipulate your Barrett product. It is important that you understand the principles of safe gun handling in general and the features of this product. These instructions are not a substitute for training from a qualified instructor. Important safety topics are discussed throughout these instructions. These instructions should remain with the product and it should be transferred with the product to subsequent owners. Additional instruction material can be ordered from Barrett Firearms Manufacturing or can be downloaded from the company website, **barrett.net**. Technical specifications are subject to change without notice. Please ensure you have the most updated revision of these instructions by checking **barrett.net**.

SAFETY GUIDELINES

ALWAYS keep the gun pointed in a safe direction.

This is the primary rule of firearm safety. A safe direction means that the firearm is pointed so that even if it were to go off it would not cause injury or damage. The key to this rule is to control where the muzzle or front end of the barrel is pointed at all times. Common sense dictates the safest direction, depending on different circumstances.

ALWAYS keep your finger off the trigger until ready to shoot.

When holding a firearm, rest your finger on the trigger guard or along the side of the firearm. Until you are actually ready to fire, do not touch the trigger.

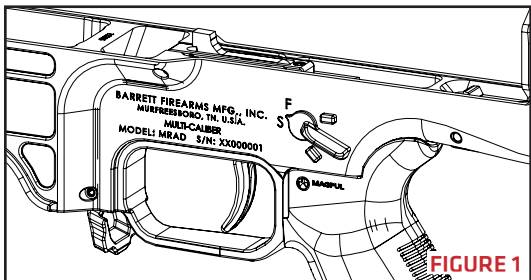
ALWAYS keep the firearm unloaded until ready to use.

Whenever you pick up a firearm, immediately engage the safety device if possible, and, if the firearm has a magazine, remove it before opening the action and looking into the chamber which should be clear of ammunition.

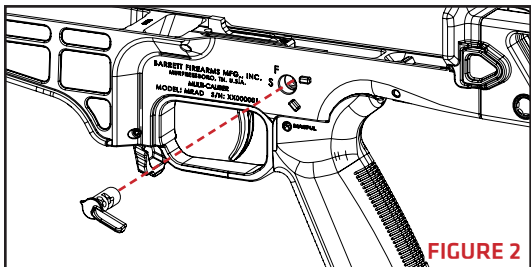
Read the MRAD/98B operators manual for a complete list of firearm safety rules.

REMOVAL OF THE TRIGGER MODULE

1. Rotate the safety lever half way between the stops on the receiver (**FIGURE 1**).



2. From the opposite side of the safety lever, gently push the safety lever with a flat punch, or similar tool while slightly rotating the safety and remove it from the receiver (**FIGURE 2**).



3. Slide the trigger module rearward to disengage the front retaining pin, then lift it out of the receiver (**FIGURE 3**).

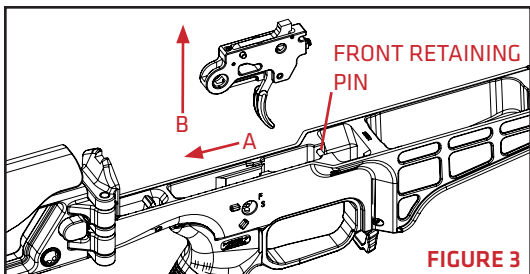


FIGURE 3

ADJUSTING THE SINGLE STAGE TRIGGER MODULE

IDENTIFYING A SINGLE STAGE TRIGGER

The single stage trigger module is identifiable, other than its trigger pull, by the presence of both the trigger weight screw (**FIGURE 4-A**) and the over travel screw (**FIGURE 4-B**) on the front of the trigger housing. Your Trigger may have a curved or flat blade.

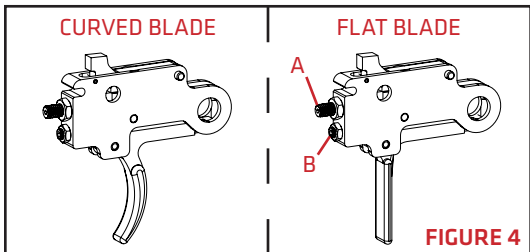
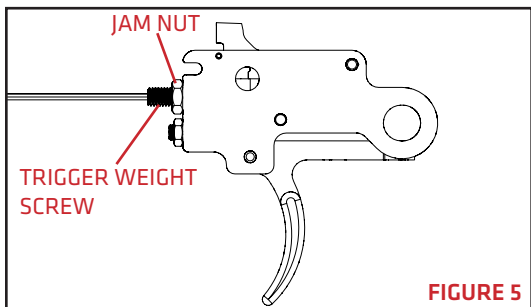


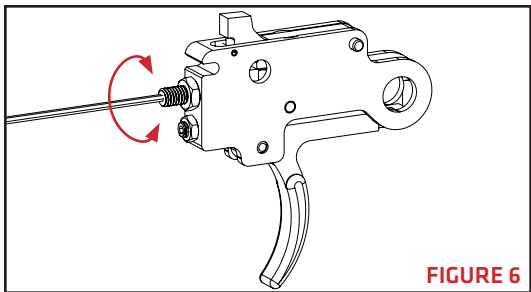
FIGURE 4

ADJUSTING THE SINGLE STAGE TRIGGER PULL WEIGHT

1. Loosen the 5/16" jam nut on the trigger weight screw (**FIGURE 5**).



2. Using a 1/16" hex wrench turn the screw counter clockwise to lighten and clockwise to increase trigger pull weight (**FIGURE 6**). The minimum setting on the trigger should not go below 1.75 pounds.



3. Hold the hex wrench and do not allow the screw to move while tightening the 5/16" jam nut.

⚠ WARNING

**ADJUSTING THE TRIGGER WEIGHT TOO LOW
MAY CAUSE ACCIDENTAL DISCHARGE.**

**NOTE: THE FACTORY TRIGGER PULL WEIGHT
SETTING IS 1.75/2.5 POUNDS.**

RETURNING THE SINGLE STAGE TRIGGER PULL WEIGHT TO FACTORY SETTINGS

1. Loosen the 5/16" jam nut on the trigger weight screw and turn the trigger weight screw counter-clockwise approximately four turns using a 1/16" hex wrench (**FIGURE 7**).

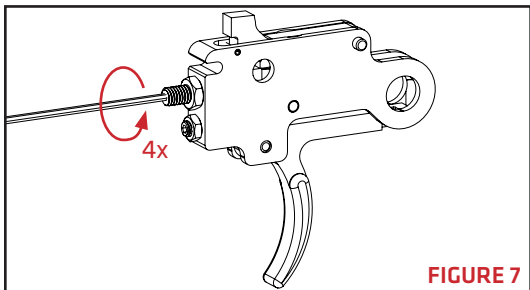
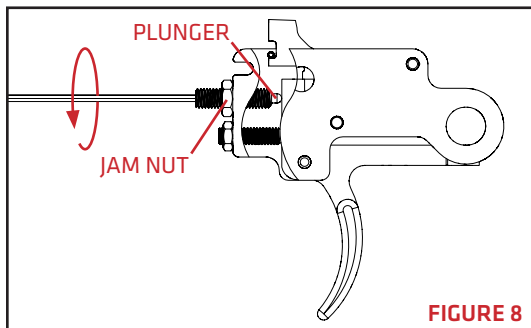


FIGURE 7

2. Turn the trigger weight screw clockwise until the plunger makes contact with the front of the trigger (**FIGURE 8**). Turn the trigger weight screw clockwise 1/4 turn more and tighten the brass jam nut.

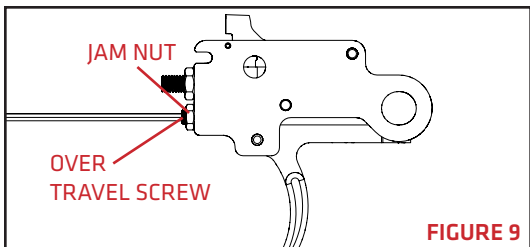


ADJUSTING THE SINGLE STAGE TRIGGER OVER TRAVEL

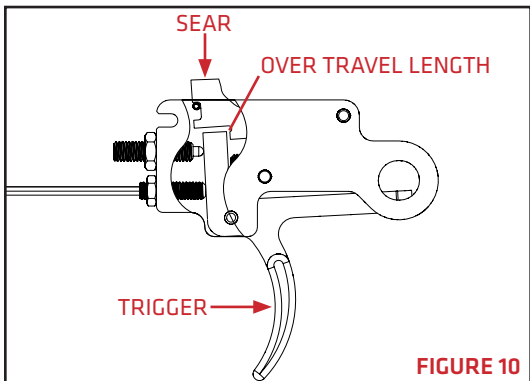
NOTE: THE TRIGGER WEIGHT MUST BE ADJUSTED AFTER THE OVER TRAVEL IS SET TO THE DESIRED SETTING.

NOTE: THE TRIGGER OVER TRAVEL IS SET TO MINIMUM FROM THE FACTORY

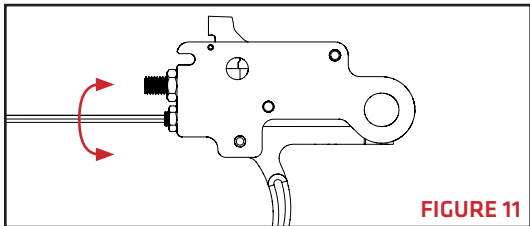
1. Loosen the brass jam nut using a 1/4" wrench and insert a 5/64" hex wrench into the over travel screw (**FIGURE 9**).



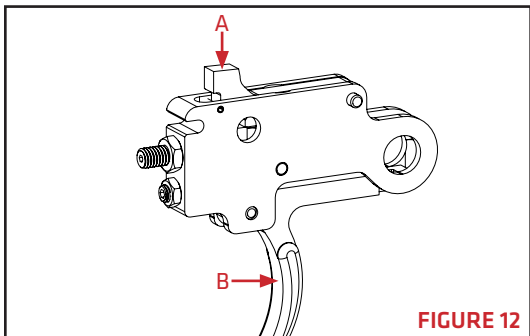
2. Pull the trigger to the rear and press the sear down. Look through the hole in the side of the trigger housing and observe the gap between the front of the sear and the back of the trigger. (**FIGURE 10**).



3. Turn the screw until the desired over travel length is reached and lock into place by holding the hex wrench still and turning the 1/4" brass jam nut clockwise until tight against the trigger housing (**FIGURE 11**). Turning the screw clockwise will reduce the over travel and counterclockwise will increase the over travel.



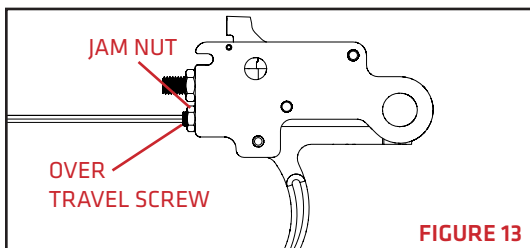
4. Test the setting by depressing the sear and pulling the trigger. Release the trigger then slowly release the sear (**FIGURE 12**). Ensure the trigger has enough clearance to reset.



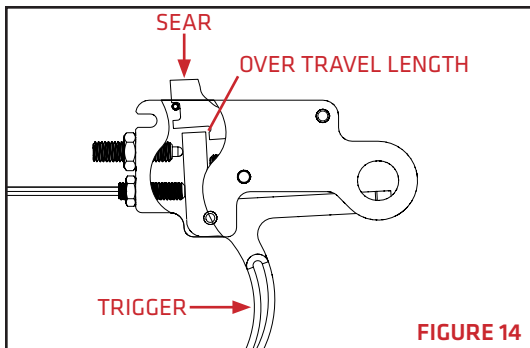
RETURNING THE SINGLE STAGE TRIGGER OVER TRAVEL TO FACTORY SETTINGS

NOTE: THE TRIGGER WEIGHT MUST BE ADJUSTED AFTER THE OVER TRAVEL IS ADJUSTED BACK TO THE FACTORY SETTING.

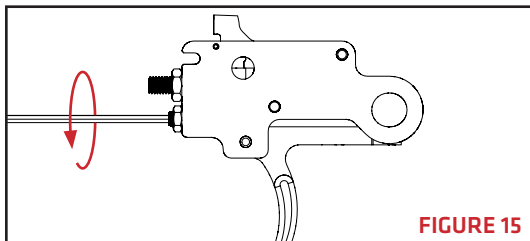
1. Loosen the brass jam nut using a 1/4" wrench and insert a 5/64" hex wrench into the over travel screw (**FIGURE 13**).



2. Pull the trigger to the rear and press the sear down. Look through the hole in the side of the trigger housing and observe the gap between the front of the sear and the back of the trigger. (**FIGURE 14**).



3. Turn the over travel screw clockwise until it locks up the trigger against the sear (**FIGURE 15**).



4. Turn the over travel screw counter clockwise one quarter of a turn and lock into place by turning the brass jam nut until it is tight against the trigger housing (**FIGURE 16**).

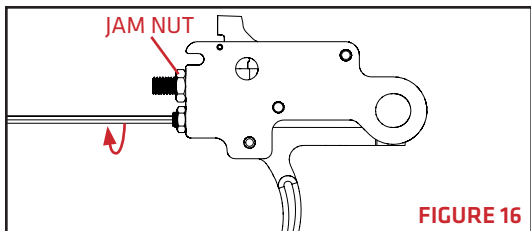


FIGURE 16

5. Test the setting by pulling the trigger and depressing the sear.
6. Release the trigger. Slowly release the sear and ensure the trigger has enough clearance to reset.

ADJUSTING THE SINGLE STAGE TRIGGER SEAR ENGAGEMENT

CAUTION

MINIMUM SEAR ENGAGEMENT IS 0.020" AND IS SET AT THE FACTORY. ADJUSTMENT IS POSSIBLE BUT NOT RECOMMENDED. IF ADJUSTMENT IS REQUIRED, A QUALIFIED GUNSMITH/ARMORER SHOULD PERFORM IT.

1. Insert the safety into the trigger module with the lever located in the straight up 12 'o clock position (FIGURE 17). Perform all adjustments with the safety in this position to ensure minimum sear engagement is not exceeded and proper function of trigger module.

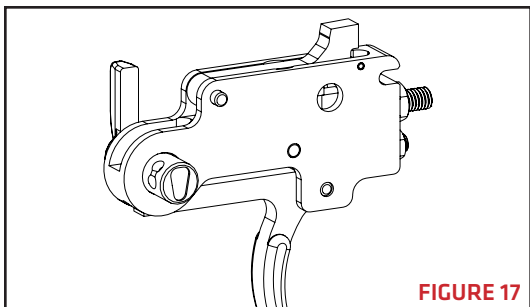
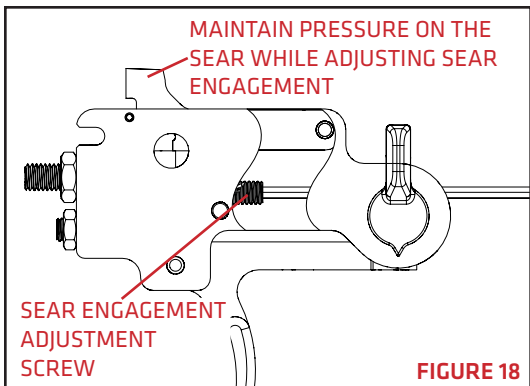


FIGURE 17

2. Insert 5/64" hex wrench into sear engagement adjustment screw through hole at rear of trigger module (FIGURE 18).
3. Turning the screw clockwise will reduce sear engagement, turning counter clockwise will increase sear engagement. Adjustments may be observed through view hole on side of trigger module while depressing sear from the top (FIGURE 18).



NOTE: WHEN ADJUSTING THE SEAR ENGAGEMENT, THE SAFETY MUST ROTATE FREELY IN THE TRIGGER HOUSING. WHEN THE TRIGGER IS TOUCHING THE SAFETY IT IS AT THE MINIMUM SEAR ENGAGEMENT.

RETURNING THE SINGLE STAGE TRIGGER SEAR ENGAGEMENT TO FACTORY SETTINGS

1. Insert the safety into the trigger housing. The safety should be oriented so the full diameter of the safety is down.
2. Using the 5/64" hex wrench turn the sear engagement screw clockwise until the trigger contacts the bottom of the safety (**FIGURE 19**).

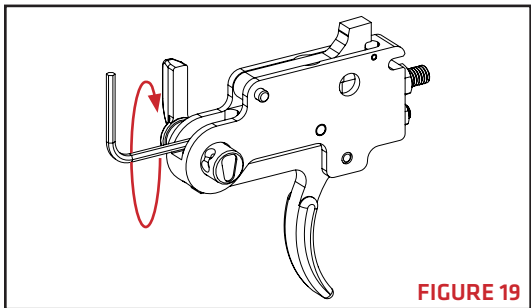


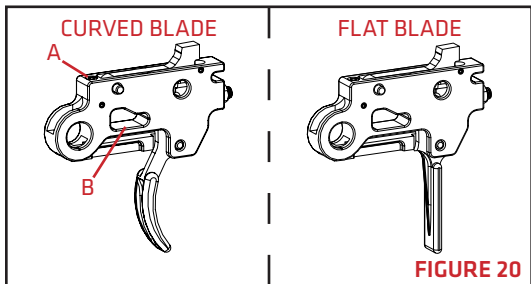
FIGURE 19

3. Then back the screw off slightly and ensure that the safety can still rotate freely in the trigger housing.

ADJUSTING THE TWO-STAGE TRIGGER MODULE

IDENTIFYING A TWO-STAGE TRIGGER

The two-stage trigger module is identifiable, other than its trigger pull, by the trigger pull weight adjustment set screw on top (**FIGURE 20-A**) and the lightening cut on the side (**FIGURE 20-B**).



ADJUSTING THE TWO-STAGE TRIGGER PULL WEIGHT

Trigger pull weight is set from the factory at 3-5 pounds. To modify trigger weight use a 5/64" hex wrench to adjust the trigger weight set screw (**FIGURE 21**). The further the set screw is recessed into the trigger housing the heavier the trigger pull will be. **DO NOT ADJUST THE TRIGGER WEIGHT SET SCREW ABOVE FLUSH TO THE TRIGGER HOUSING.**

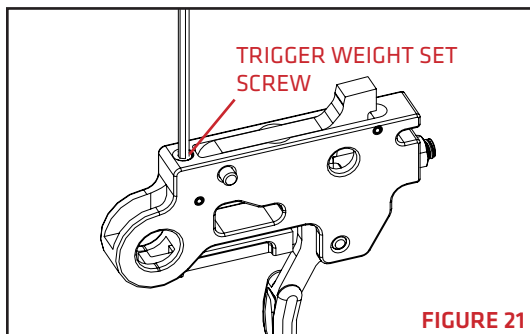
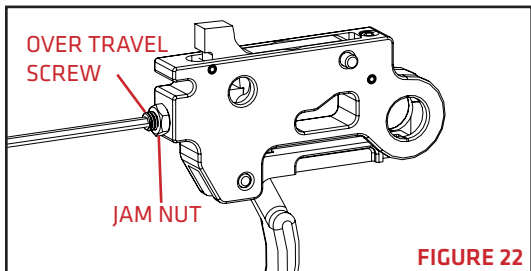


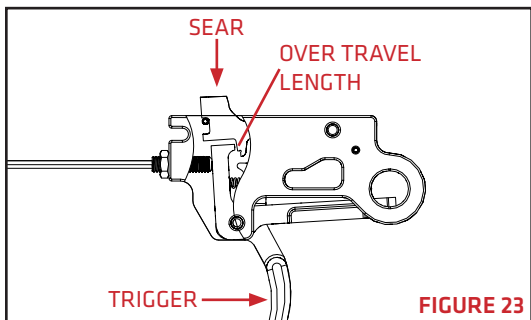
FIGURE 21

ADJUSTING THE TWO-STAGE TRIGGER OVER TRAVEL

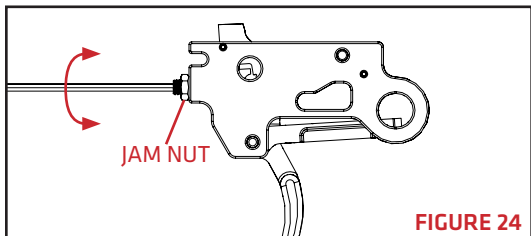
1. Loosen the brass jam nut using a 1/4" wrench and insert a 5/64" hex wrench into the over travel screw (**FIGURE 22**).



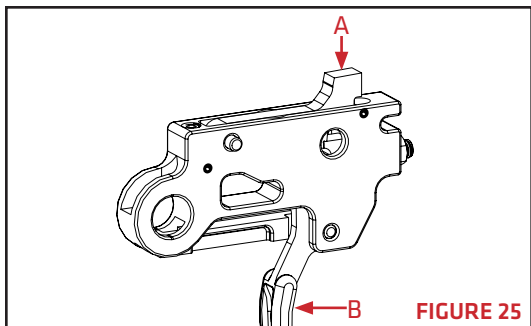
2. Pull the trigger to the rear and press the sear down. Look through the hole in the side of the trigger housing and observe the gap between the front of the sear and the back of the trigger. (**FIGURE 23**).



3. Turn the screw until the desired over travel length is reached and lock into place by holding the hex wrench still and turning the 1/4" brass jam nut clockwise until tight against the trigger housing (**FIGURE 24**). Turning the screw clockwise will reduce the over travel and counterclockwise will increase the over travel.

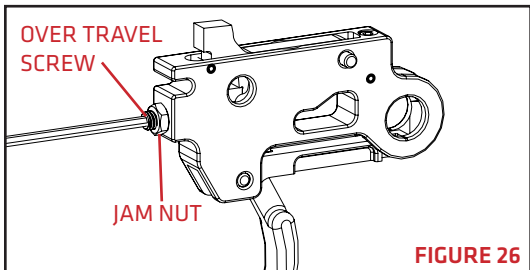


4. Test the setting by depressing the sear and pulling the trigger. Release the trigger then slowly release the sear (**FIGURE 25**). Ensure the trigger has enough clearance to reset.

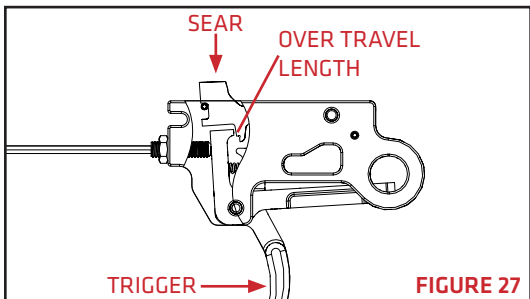


RETURNING THE TWO-STAGE TRIGGER OVER TRAVEL TO FACTORY SETTINGS

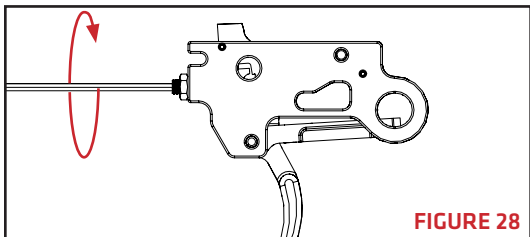
1. Loosen the brass jam nut using a 1/4" wrench and insert a 5/64" hex wrench into the over travel screw (**FIGURE 26**).



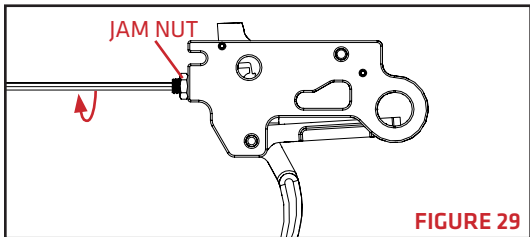
2. Pull the trigger to the rear and press the sear down. Look through the hole in the side of the trigger housing and observe the gap between the front of the sear and the back of the trigger. (**FIGURE 27**).



3. Turn the over travel screw clockwise until it locks up the trigger against the sear (**FIGURE 28**).



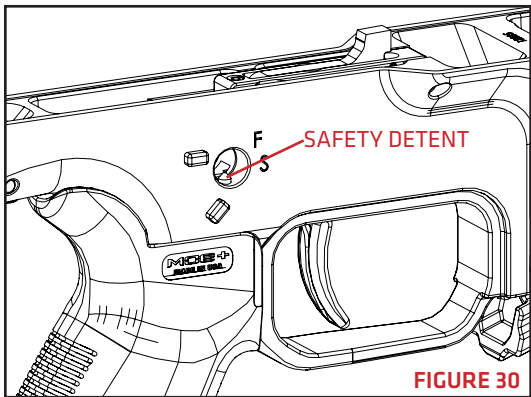
4. Turn the over travel screw counter clockwise one quarter of a turn and lock into place by turning the brass jam nut until it is tight against the trigger housing (**FIGURE 29**).



5. Test the setting by pulling the trigger and depressing the sear.
6. Release the trigger. Slowly release the sear and ensure the trigger has enough clearance to reset.

INSTALLATION OF THE TRIGGER MODULE

1. Installation of trigger module is performed in reverse of removal, noting that the safety detent needs to be depressed to insert the safety.
2. Insert the safety into the lower receiver until it stops on the safety detent. Using the tip of a punch or similar object, depress and hold the safety detent down while inserting the safety (**FIGURE 30**).



3. Operate the safety to ensure it functions properly.

NOTE: THE SAFETY CAN BE INSERTED FROM EITHER SIDE TO ACCOMMODATE LEFT OR RIGHT HANDED SHOOTERS OR FOR PERSONAL PREFERENCE.



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