



FORT WAYNE TACTICAL LLC

AR-15 MISSION SELECT TRIGGER KIT & SAFETY SELECTOR DETENT INSTALLATION INSTRUCTIONS

WARNING: BEFORE ATTEMPTING ANY WORK ON A FIREARM, ENSURE IT IS UNLOADED! REMOVE THE MAGAZINE AND VERIFY THE CHAMBER IS CLEAR.

- *Installation by a gunsmith is recommended.*
- *Actual trigger weight may vary based on condition and manufacturer variation of firearm.*
- *No liability is expressed or implied for damage or injury which may result from installation or use of this product.*
- *You are responsible for the safe handling, legal compliance, and correct usage of your firearm.*
- *Modification of a firearm may nullify its manufacturer warranty.*

TOOLS NEEDED FOR THIS INSTALLATION:	
• 1/8" punch	• Gun oil
• Pick	• Wood or polymer block
• Tweezers or needle-nose pliers	

We recommend lubricating firearm components when installing them into your firearm.

Step 1: Remove the Upper receiver from the Lower receiver:

Push the two take down pins from the left of the firearm to the right.





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Lift the upper receiver off the lower receiver. Set the upper receiver aside.



Push the two take down pins back into the lower receiver. This will keep these pins out of the way for later steps.

Step 2: Remove the hammer from the lower receiver:

Move the selector lever (safety) from the Safe position to the Fire position.





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With your thumb against the face of the hammer, pull the trigger and allow the hammer to relax to the upright position.

WARNING: Never dry fire your AR with the upper receiver removed as this can damage your lower receiver.

WARNING: Take care not to pinch your thumb or hand when completing this step!



Lay the lower receiver on a wood or polymer block. Using a 1/8" punch and a soft faced hammer, tap out the hammer pivot pin.





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While holding onto the hammer, remove the 1/8" punch from the hammer pivot pin hole. Remove the hammer and hammer spring from the lower receiver.



Step 3: Remove safety selector lever from the lower receiver:

Using a 3/16" hex driver, or flat blade screwdriver, unscrew the grip from the lower receiver. This screw can be accessed through the bottom of the grip. **Be careful not to lose the detent and detent spring when removing the grip. The grip is retaining the safety selector spring and detent.** Set the grip and detent spring aside.



Screwdriver



Detent
spring



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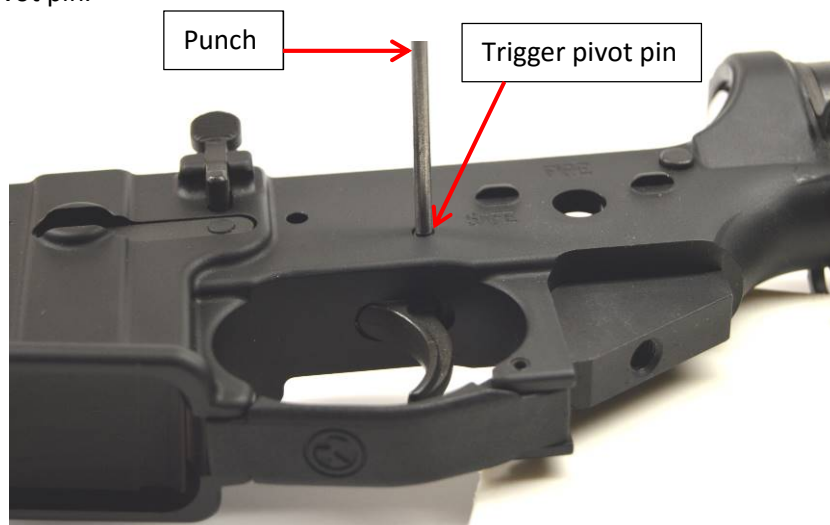
Allow the safety selector detent to drop out of the lower receiver. The detent is a pin located in the 1/8" hole on the right hand side of the receiver in an area which was previously covered by the grip. If this doesn't drop out, rotating the safety selector lever should allow the detent to drop out of the bottom of the lower receiver.

Remove the safety selector lever from the lower receiver.



Step 4: Remove the trigger and disconnecter from the lower receiver:

Lay the lower receiver on a wood or polymer block. Using a 1/8" punch and a soft faced hammer, tap out the trigger pivot pin.



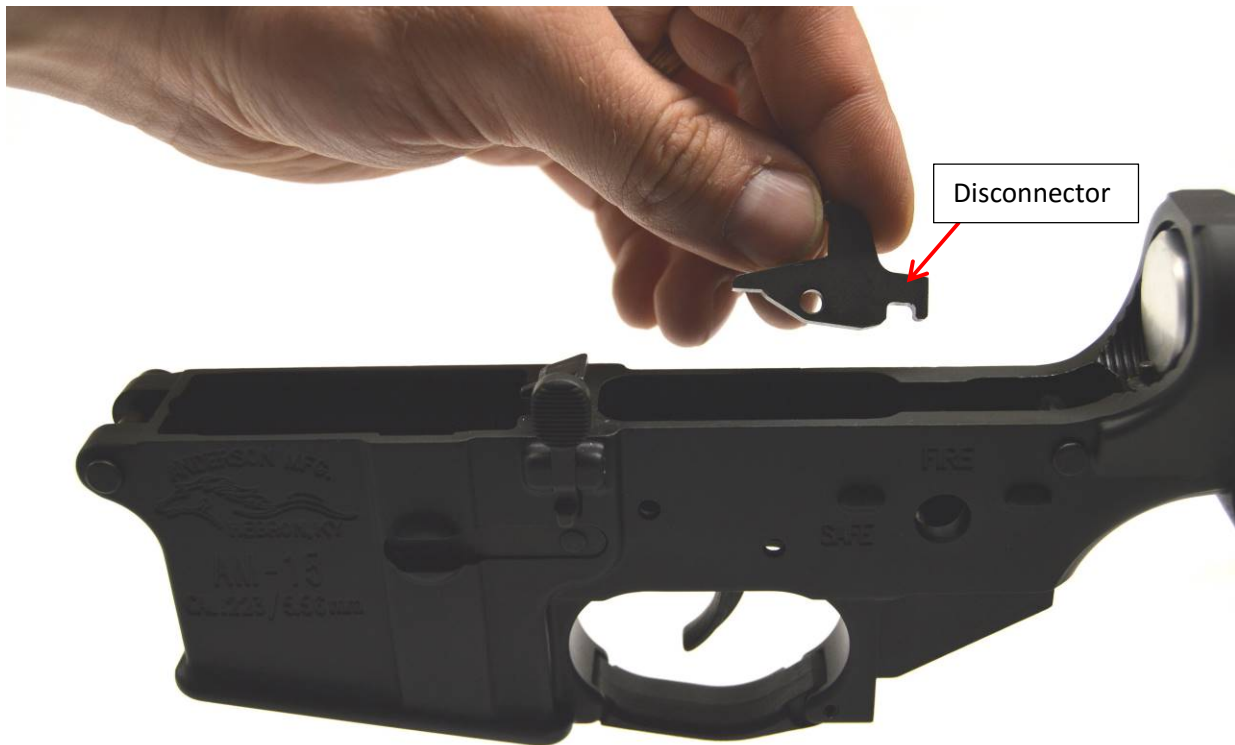
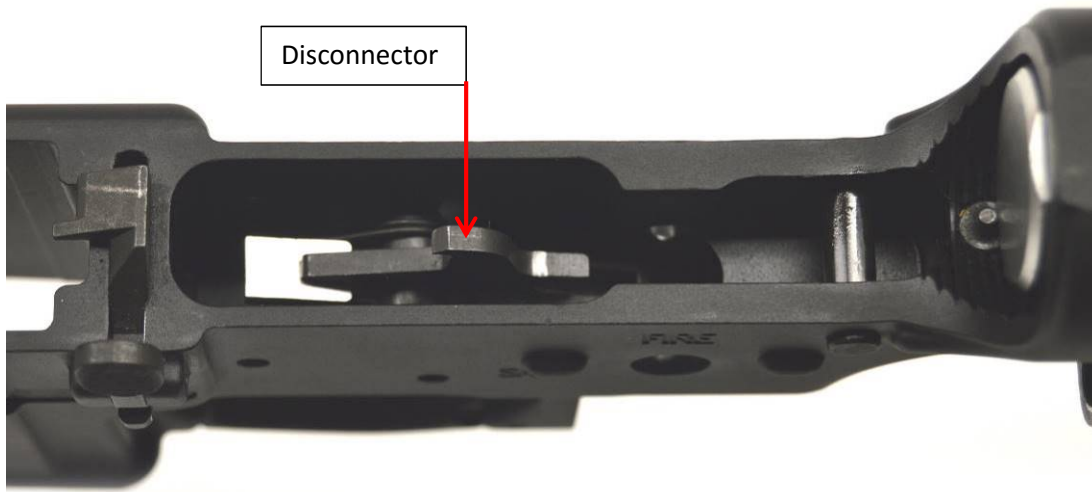


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Remove the 1/8" punch from the trigger pivot pin hole.

Lift out the disconnecter from the top of the trigger.





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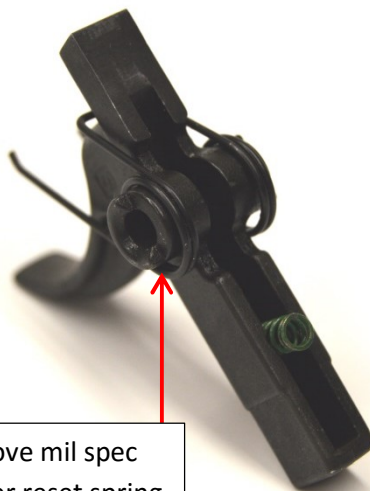
Lift out the trigger. The trigger spring and disconnecter spring will come out with the trigger.



Step 5: Install FWT trigger reset spring:

Remove the mil-spec trigger reset spring. This is done by stretching the spring over the trigger pivot lugs.

Install the new FWT trigger reset spring that came with your kit. This is done by stretching the spring over the trigger pivot lugs.



Remove mil spec
trigger reset spring



Install FWT
trigger reset spring

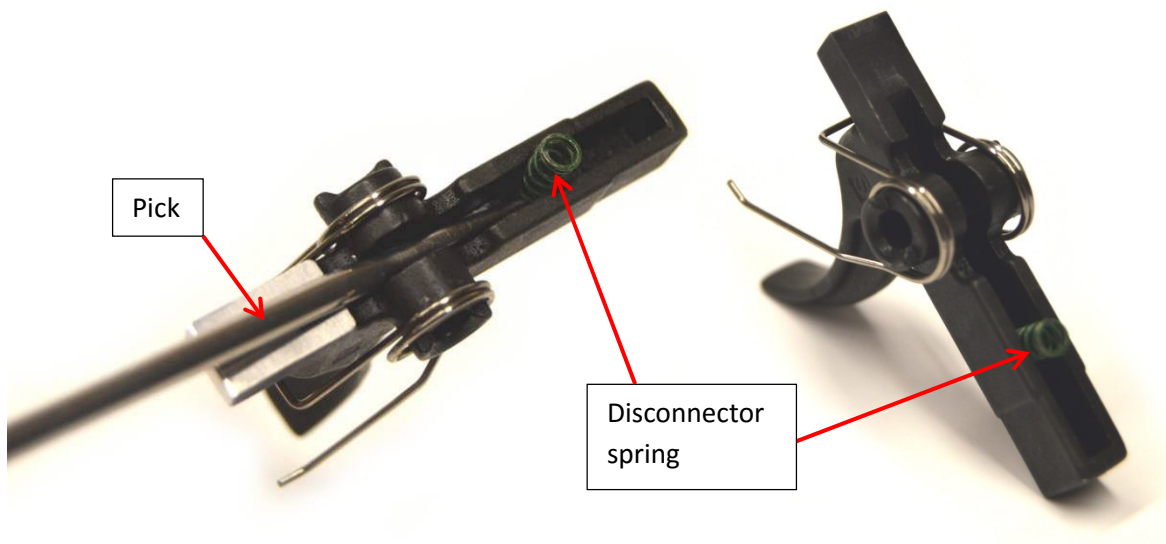


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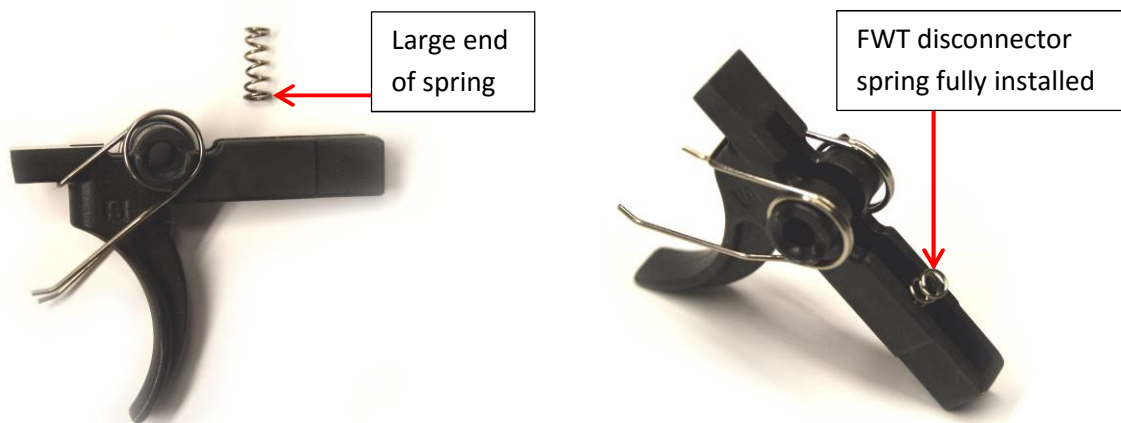
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Step 6: Install FWT disconnecter spring:

Remove the mil-spec disconnecter spring. This is done by pulling upwards on this spring. It is normal to have some resistance when pulling this spring out. Removal of this spring is easily accomplished by leveraging up on the disconnecter spring with a pick.



Install the new FWT disconnecter spring that came with your kit. One end of this spring is larger than the other end. Press this spring into the disconnecter spring hole on the trigger with the larger end going into the hole first.





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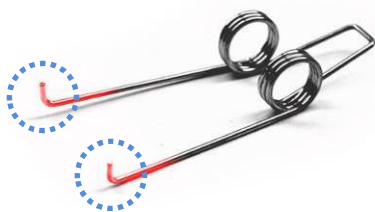
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Step 7: Install FWT hammer spring:

The AR-15 Mission Select Trigger Kit comes with three different hammer springs. These three hammer springs provide a light, medium, or heavy trigger pull based on your preference. All three will provide a lighter trigger pull than standard mil-spec triggers. Your kit includes a quick reference spring identification card for your convenience if you choose to install a different hammer spring in the future to try a different configuration.

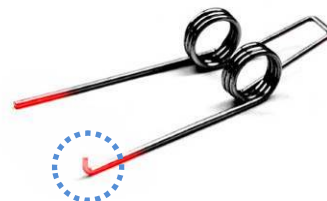
These three hammer springs can be identified by comparing the areas circled and highlighted in red below (note: the actual springs do not have red tips). Select one of the following FWT hammer springs to install in your rifle.



Competition (light)
hammer spring



Enhanced (medium)
hammer spring



Duty (heavy)
hammer spring

Remove the stock hammer spring. This is done by stretching the spring over the hammer pivot lugs.

Install the new FWT hammer spring on the hammer. This is done by stretching the spring over the hammer pivot lugs.



Remove mil spec
hammer spring



Install FWT
hammer spring



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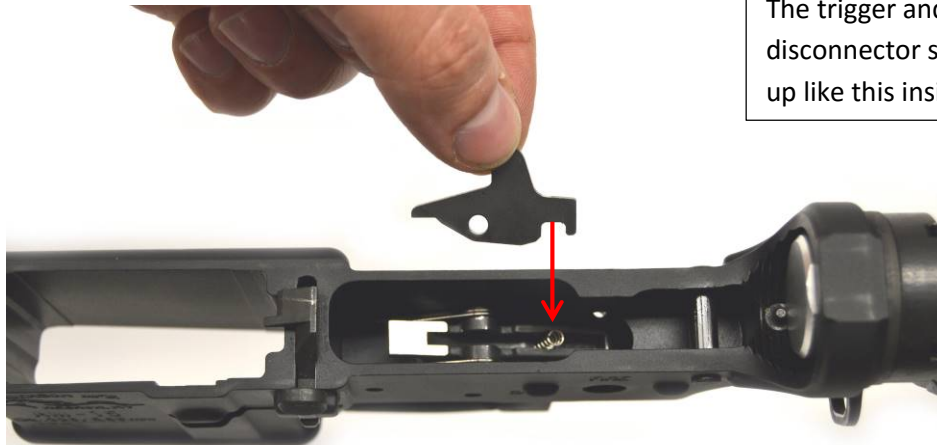
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Step 8: Reinstall the trigger and disconnecter into the lower receiver:

Insert the trigger into the lower.



Insert the disconnecter into the top of the trigger. Line up the groove on the disconnecter with the disconnecter spring installed on the trigger.



The trigger and disconnecter and disconnecter spring should be lined up like this inside your firearm.

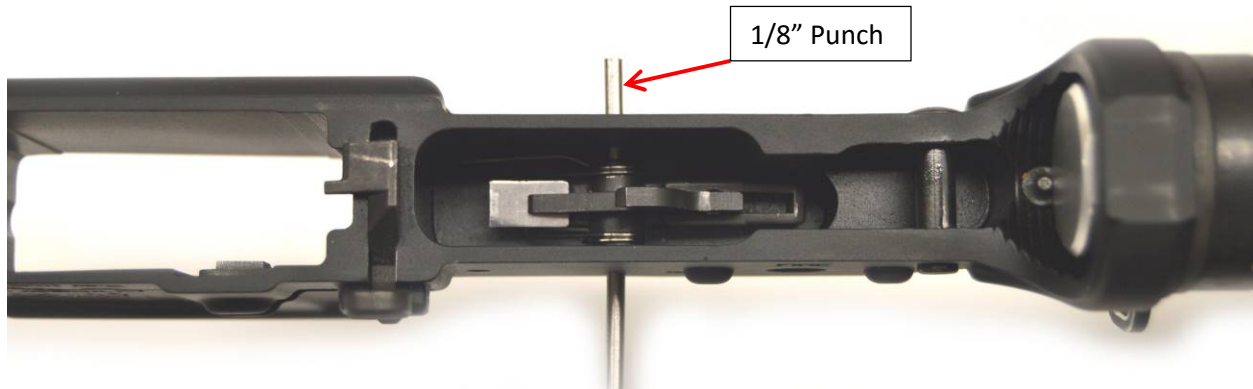




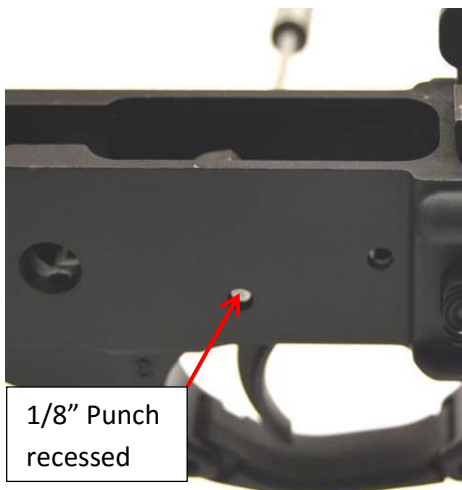
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Using a 1/8" punch, line up the trigger pivot pin hole on the lower receiver with the pivot holes on the trigger and disconnect.



Pull the 1/8" punch back until it is slightly recessed on one side of the receiver. This will make inserting the trigger pivot pin easier. Push in the trigger pivot pin until it is flush with the lower receiver.





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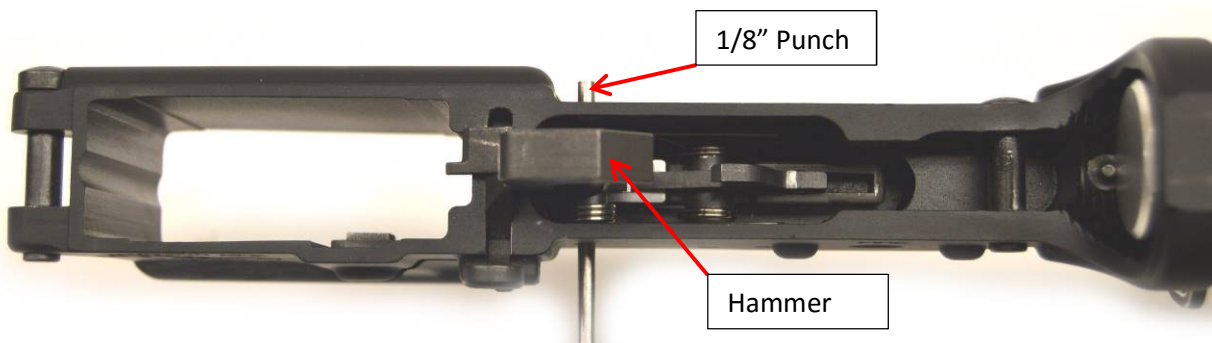
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Step 9: Install the hammer into the lower receiver:

Insert the hammer into the lower receiver. Push the hammer down compressing the hammer spring until the hammer pivot pin hole lines up with the pivot hole on the hammer.



Insert a 1/8" punch to temporarily retain the hammer in the receiver.





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Pull the 1/8" punch back until it is slightly recessed on one side of the receiver. This will make inserting the hammer pivot pin easier. Push in the hammer pivot pin until it is flush with the lower receiver.



Step 10: Install the FWT safety selector detent into the lower receiver:

Depress the hammer until it engages the sear. The hammer will now remain in the downwards position.

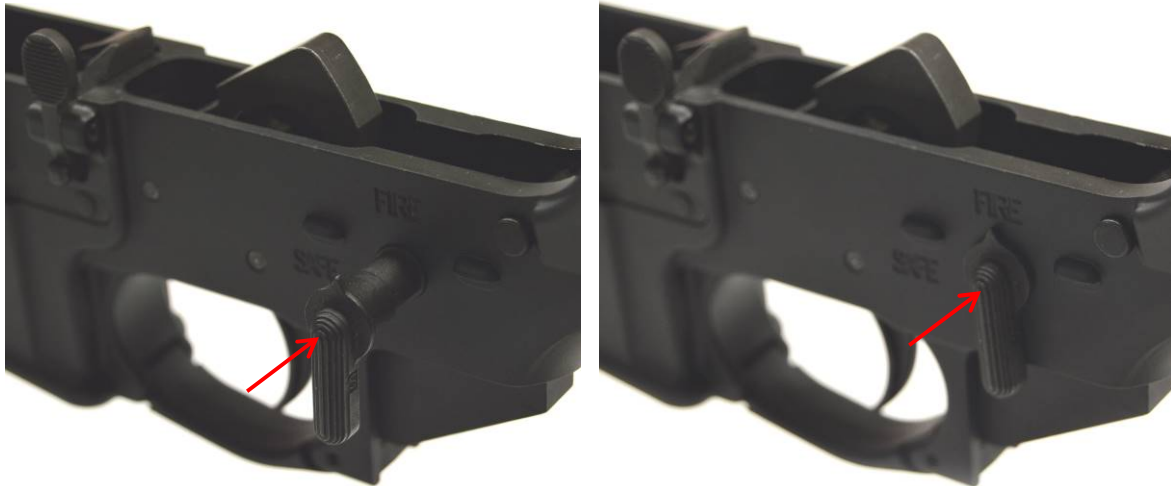




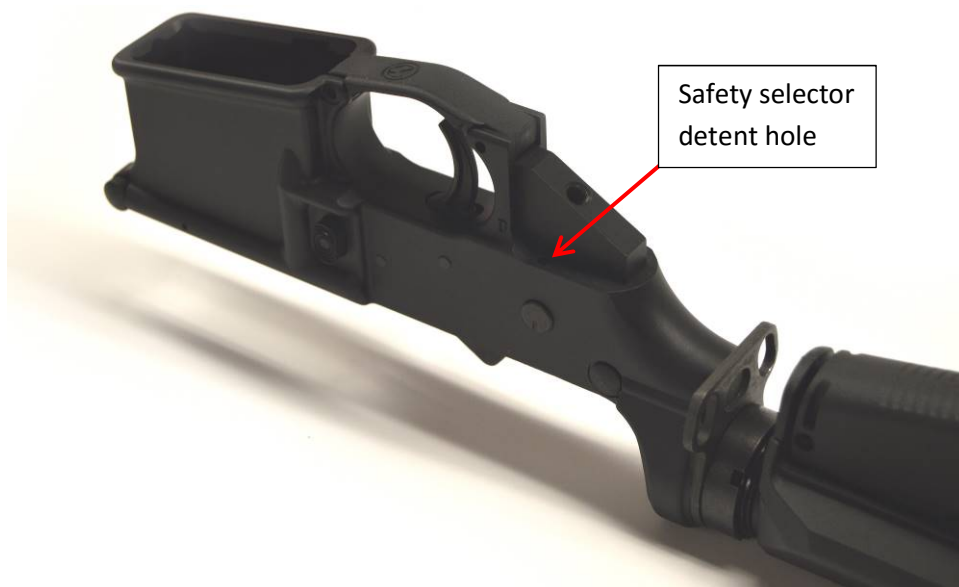
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Insert the safety selector into the lower receiver. Orient the safety selector either on Safe or Fire.



Turn the lower receiver upside down and locate the safety selector detent hole. This is a 1/8" hole located next to the lug that the grip assembles to.





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Locate the FWT safety selector detent ball bearing and detent pin provided in your kit. Two ball bearings are included in your kit in case you lose one. The FWT safety selector detent ball bearing and detent pin and replace the mil-spec safety selector detent pin to provide smoother function of the safety selector lever. First insert the detent ball bearing into the safety selector detent hole. Then insert the detent pin. Using tweezers or needle nose pliers can help with this step. **Be careful not to let the safety selector lever slide out while inserting the detent ball bearing and detent pin, otherwise it will be easy to lose these small parts.** The detent pin should be recessed into the lower receiver.

FWT safety selector
detent ball bearing



FWT safety selector
detent pin





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Line up the safety selector detent spring in the grip with the 1/8" detent hole on the lower receiver. Assemble the grip back onto the lower receiver by inserting the grip screw through the bottom of the grip and threading the screw into the lower receiver.



Verify the function of the safety selector lever by moving it from Fire to Safe several times.

Step 11: Reassemble the upper and lower receiver:

Move the safety selector lever to the Safe position and push the takedown pins out.





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Assemble the upper receiver to the lower receiver by inserting the upper receiver bosses into the lower receiver and pushing the takedown pins through the upper receiver takedown pin bosses.



Installation of the Fort Wayne Tactical LLC, AR-15 Mission Select Trigger Kit is now complete.