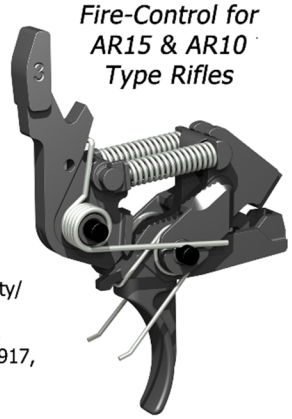
HIPERFIRE®
ADAPT. CONTROL. COMMAND.™

HIPERTOUCH® 24 3GUN
Parts and Installation Manual

Proper installation and use of this product are the responsibility of the purchaser. It is highly recommended that the purchaser have the product installed by a commercially engaged gunsmith.

- 3 User-Adjustable Trigger Weights: Light, Med-Light, Medium, Between 2 & 4 lbs
- Hammer Hits Harder Than MIL-Spec Stock For Faster, More Consistent & Reliable Cartridge Ignition
- Single Stage, Precise Control
- Virtually Zero Pre-Travel & Lightning Quick Reset
- 25% to 50% Faster Lock-up
- Installs w/o Removal of Safety/ Selector, w/o Adjustments
- .154" Diameter AR Pivot Pins
- US Pat. No. 8,572,880, 9175917, 9696103, Others Pending
- Made in the USA

Fire-Control for AR15 & AR10 Type Rifles



READ AND UNDERSTAND THE INSTALLATION AND SAFETY WARNINGS BEFORE INSTALLATION AND USE

Visit *hiperfire.com* and attentively review all of the installation and operational information presented in the online videos.

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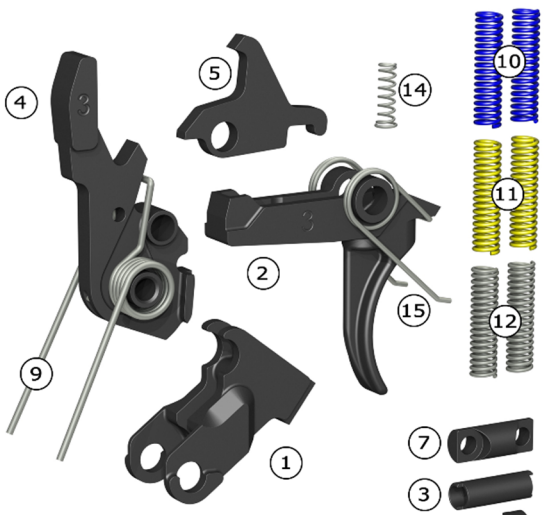
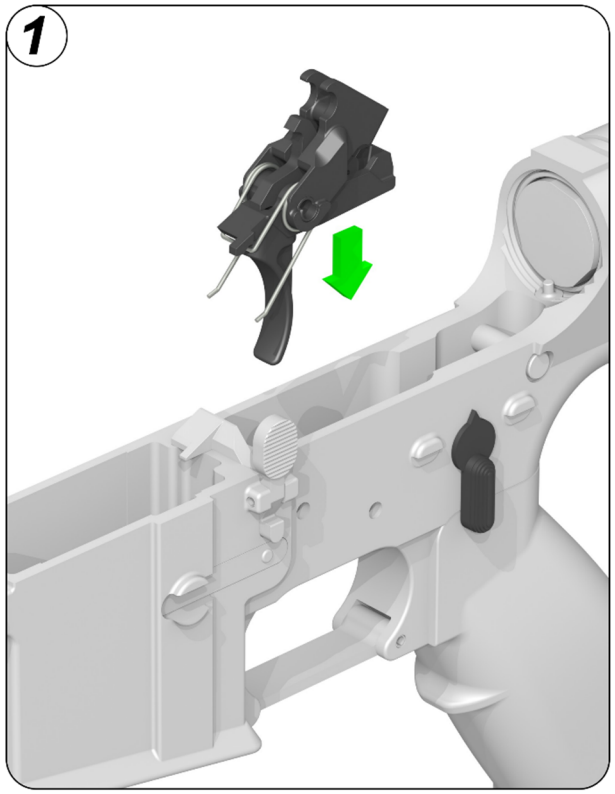


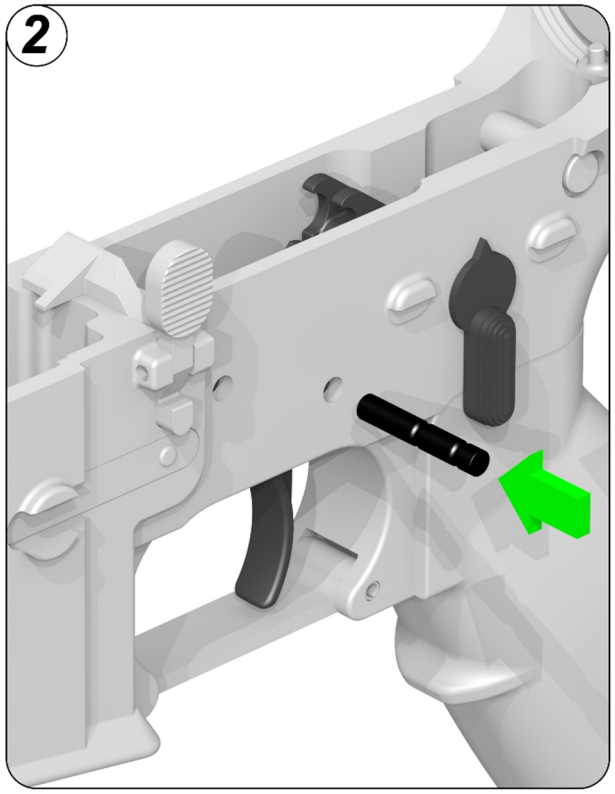
1. (1) FRAME
2. (1) '3' TRIGGER
3. (1) TRIGGER SLEEVE
4. (1) '3' HAMMER
5. (1) DISCONNECTOR
6. (2) TOGGLE SHAFT
7. (1) TOGGLE PIVOT
8. (1) TOGGLE SPINDLE
9. (1) HAMMER SPRING
10. (2) BLUE TOGGLE SPRINGS *for* MEDIUM TRIGGER WEIGHT and LOW-END STOCK HAMMER ENERGY
11. (2) YELLOW TOGGLE SPRINGS *for* MED-LIGHT TRIGGER WEIGHT and LOW-END STOCK HAMMER ENERGY
12. (2) PLAIN TOGGLE SPRINGS *for* LIGHT TRIGGER WEIGHT and 35% HIGHER HAMMER ENERGY than STOCK
13. (2) AR 0.154" DIA. PIVOT PIN
14. (1) AR DISCONNECTOR SPRING
15. (1) AR TRIGGER SPRING

1



First, view the installation videos at hiperfire.com to see how the trigger system is assembled and how the parts interact. **NEXT, WEAR EYE PROTECTION.** The trigger subassembly comes preassembled. Align the trigger sleeve so that its notch openings align with the frame's notches. This is where the hammer spring's arms must nest to retain the trigger pivot pin. If this is out of alignment the pivot pin could work its way out. Turn the safety/selector to FIRE. Insert the trigger group as shown into the AR lower receiver as per Diagram 1.

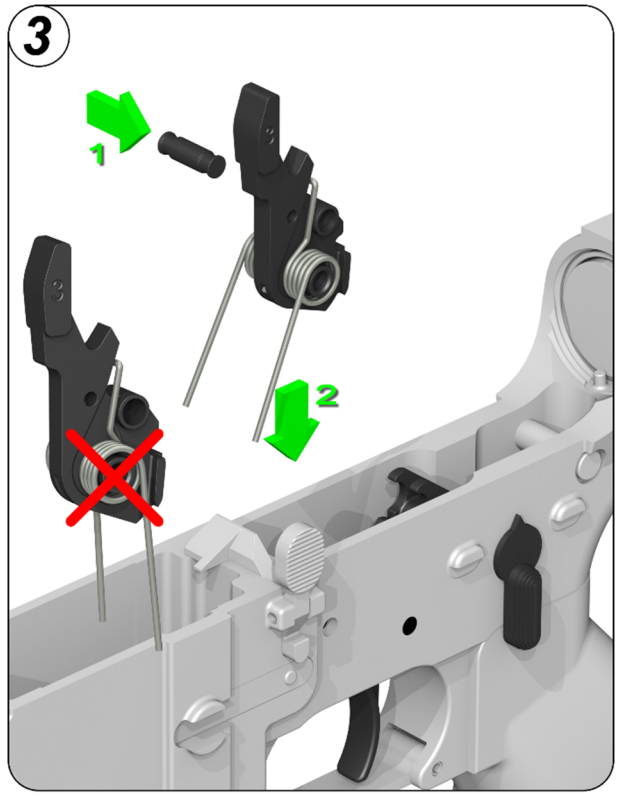
2



To complete installation of the trigger subassembly, insert the stock AR 0.154-inch diameter pivot pin in the usual way (just like you would install a stock AR trigger).

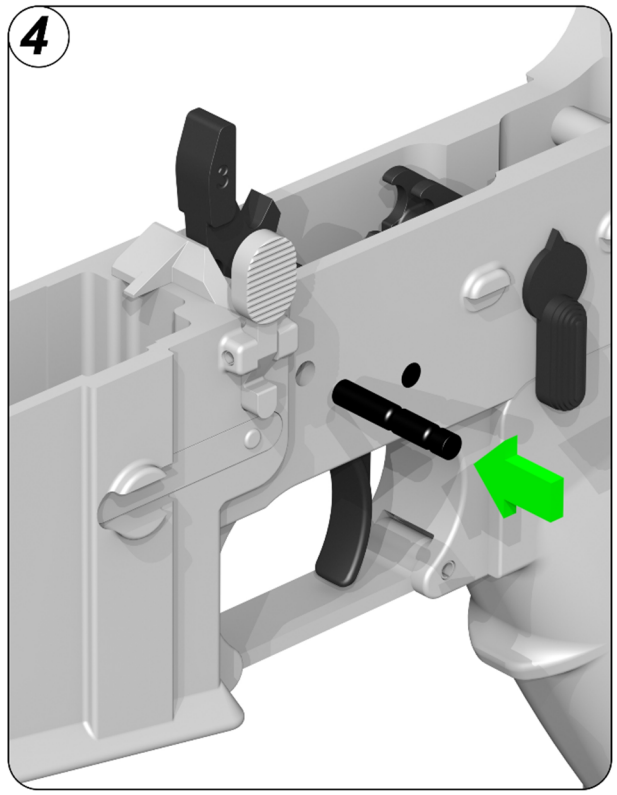
IMPORTANT - *Install only the trigger springs that are supplied with the fire-control. Altering these springs not only voids the warranty, but may change trigger pull significantly, changing your pull effort and/or timing with unexpected results. Replace worn out or damaged trigger springs with new replacements.*

3



The hammer is shown with the custom hammer spring installed. If it needs replacement, remove it and install a new hammer spring like you would for a stock AR hammer. Install the toggle spindle first, then insert the hammer subassembly into the lower receiver in the usual way (just like you would a stock AR hammer), making sure the hammer spring's arms nest in the spaces on either side of the trigger subassembly's frame and the lower receiver (the hammer spring arms retain the trigger pivot pin you installed in the previous step).

4



Complete installation of the hammer subassembly by inserting the stock AR 0.154-inch diameter pivot pin like you'd install a stock AR hammer.

IMPORTANT - *All AR hammer springs may relax over time, especially if the rifle is stored for long periods of time with the hammer cocked. If relaxation occurs, a cartridge may not fire when the hammer falls. Replace the spring as necessary.*

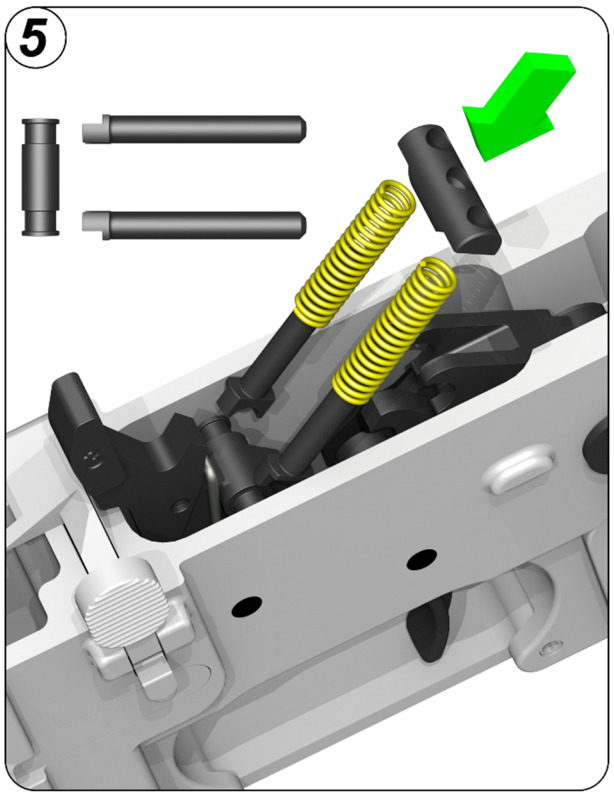
5 Position the toggle shafts so they engage the toggle spindle in the hammer as shown in Diagram 5. The shafts only align properly in one direction, so be sure to note the shafts' geometry and orientation as shown in Diagram 5. Once the shafts are oriented correctly, place a matched pair of toggle springs over the ends of the toggle shafts. By way of example the YELLOW springs shown provide a pull weight of approximately 3½ lbs.

IMPORTANT - *It's possible that over time the spring's color coding could come off or be obscured by oil and grime, etc. If the color coding comes off, the easiest way to identify an identical pair of springs is to count the number of coils. Identical springs will have the identical numbers of coils. Or, measure the wire diameter. Identical springs will have the same wire diameter. Furthermore, installation of springs with the fewest coils and largest wire diameter will result in the lowest trigger weight. Conversely, the highest pull weight corresponds to the highest coil count and smallest wire. If an installation toggle spring pair is not matched, the spring force will not be balanced and the hammer may not pivot smoothly, especially if the fire-control is not maintained by regular cleaning and lubrication. Consequently, the trigger pull weight according to the weight table will be markedly different than that listed. Make sure the toggle spring pair is matched.*

Use the toggle pivot as shown and compress the parts (using a tool inserted into the pivot's pocket hole, shown by the arrow) to hold them together against the hammer's spindles.

IMPORTANT - *Do not install toggle spring pairs other than those provided with the HIPERTOUCH® fire-control. Installation of other springs not only would void the warranty, but could also be hazardous under the right conditions. If you lose a spring, contact HIPERFIRE® for replacement.*

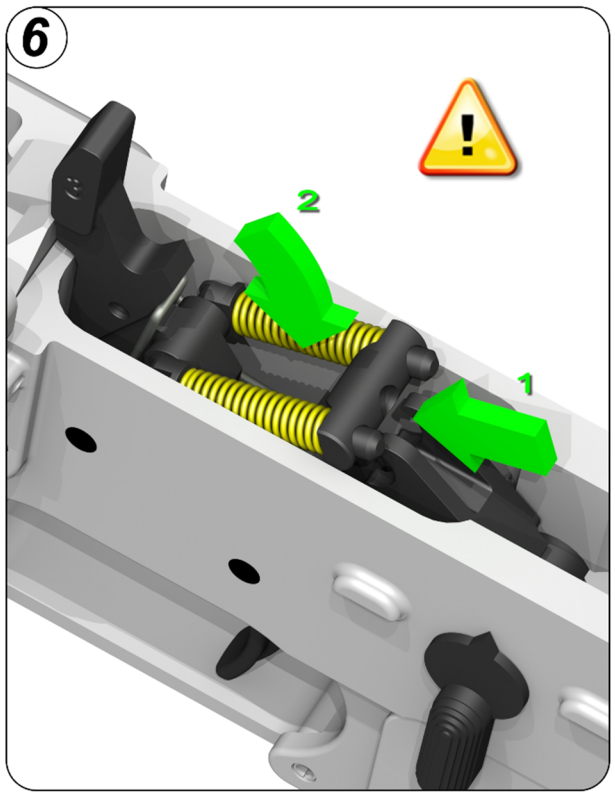
IMPORTANT - *Toggle springs must be installed for proper and safe function of the fire-control. If they are not installed, the frame could rotate and obstruct proper functional rotation of the disconnector. If this were to occur, it may not be heard*



at first (if at all) when the action cycles, or when the trigger is pulled to cause hammer fall. Later, the hammer, trigger, and disconnector could be damaged causing unpredictable firing events that could be hazardous. Inspect the fire-control for proper toggle spring installation and function whenever live-fire exercise is intended, especially if you had the fire-control installed by someone else, or if you loaned your rifle to someone else. Of course, this is standard safety practice with any firearm. Make safety your first priority.

6 Secure the lower receiver to facilitate compression of the toggle spring assembly. Rotate the subassembly down (about the hammer's spindle) so that the toggle pivot can engage and snap into the frame's pivot notch. Insertion can be done without tools; extraction will require them. Test the fire-control for proper function before attaching the upper receiver.

IMPORTANT - *Testing procedure: manually cock the exposed hammer with your finger off the trigger. Pull the trigger to cause hammer fall onto something safe, like a hammer fall block made for that purpose. The hammer should strike very fast with noticeable energy. Then recock the hammer, etc., and repeat the procedure as necessary for your examination. The hammer "feel" during cocking should be very smooth, with no tactile feedback grittiness, or indication of obstruction. You should hear nothing but the trigger engaging the hammer sear with an audible "click." If you hear anything but this, there might be something wrong. Check for parts that are out of alignment, not seated in notches, not parallel, etc. If it sounds and looks okay, next, before cocking the hammer, pull the trigger to the rear and fully seat it against the safety/selector. Now, cock the hammer slowly and smoothly. You should see and hear the semi-auto disconnector pivot and "click" as the hammer's disconnector sear snaps through the disconnector's sear causing the disconnector to pivot and return very quickly. Continue cocking the hammer by pressing it down until it stops and then slowly release it. Now, ease off the trigger; the hammer should pop up and stop in a cocked position with an audible "click." Now, pull the trigger as before and repeat the latter process several times until you are satisfied that it's smooth and quiet (excepting of course, the mechanism's "clicks"). If all of the this happens without any grittiness in the trigger and hammer, the trigger resets quickly and surely, the hammer release by the semi-auto disconnector is quick and sure, hammer fall is very fast, etc., then the installation is probably successful. The HIPERTOUCH® fire-control's sear engagement functionality is the same as that of stock AR components. If the HIPERTOUCH® 24E operates like a stock installation with the same smooth motions and sounds, then*



the installation is successful. Continue dry-fire testing of the fire-control after attaching an unloaded upper receiver to practice safe operation, while accustoming your grip and trigger stroke to the new trigger pull weight.

Reverse the steps to uninstall the parts and reinstall with a different spring combination to change trigger pull according to the table. Use a pointed tool inserted into the toggle pivot at the arrow for convenient removal and reinsertion.

NOTICE

HIGH PERFORMANCE FIREARMS LLC SPECIFICALLY DISCLAIMS RESPONSIBILITY FOR ANY DAMAGE OR INJURY WHATSOEVER OCCURRING IN CONNECTION WITH, OR AS THE RESULT OF THE INSTALLATION, USE, OR MISUSE OF A HIPERTOUCH® PRODUCT IN AR15 OR AR10 TYPE RIFLES THAT ARE IN GOOD OR WORN CONDITION, THAT ARE NONSTANDARD, OR HAVE BEEN MODIFIED.

Critical Safety Warnings

- A firearm and its fire-control are a system and must work together. There are different types of fire-controls for different types of firearms. Your firearm has been designed for a fire-control of a specific type. It is important to select the proper fire-control for your firearm.
- Receive competent instruction in firearm safety. Practice with an unloaded firearm, or with dummy ammo, until you are completely familiar and comfortable with firearm safety procedures. Use live ammunition only when you are prepared to shoot safely.
- Death, serious injury, and damage can result from the use or misuse of any fire-control in any firearm.
- Keep the muzzle of any firearm pointed in a safe direction and follow all safety procedures at all times.
- Do not drop your firearm. Always follow safe rifle handling practices when moving from one shooting position to another, or when transporting it (whether cased or not).
- AR10 and AR15 type rifles employ safeties, but don't rely on them exclusively for safety.
- Never pull the trigger unless the safety is set to FIRE and you intend to shoot.
- Keep the firearm chamber empty unless ready to shoot and maintain safe muzzle direction.
- Know your target and what's behind or beyond it.
- Never perform maintenance on a loaded firearm.
- Do not modify the rifle or the fire-control parts.
- Do not mix parts from one fire-control to another.
- Wear safety eye glasses or goggles during installation.

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HIPERTOUCH® 24 3Gun
Lifetime Limited Warranty

The HIPERTOUCH® 243G product is warranted against original defects in materials and/or workmanship for the life of the product from the date of purchase. The warranty is VOID if the product has been modified. This warranty applies to the original purchaser and is not transferable. This warranty applies only to purchases made in the United States of America.

HIPERFIRE will replace the product (subject to availability) if defective under warranty and under the following conditions:

The product is shipped to HIPERFIRE parcel post paid and must include:

1. The HIPERTOUCH® product as received when ordered.
2. Purchase receipt.
3. An explanation of the defect.

Go to www.hiperfire.com and take note of the current address of record. Ship the defective HIPERTOUCH® trigger product to that address.

HIPERFIRE shall not be liable for any consequential, incidental, or contingent damages whatsoever. Some states do not allow the exclusion of incidental or consequential damages, so the above limitation or exclusion may not apply to the original purchaser. This warranty gives the original purchaser specific legal rights, and the original purchaser may have other rights, which vary from state to state.