

TSM4C (Large .170 H/T Pins)



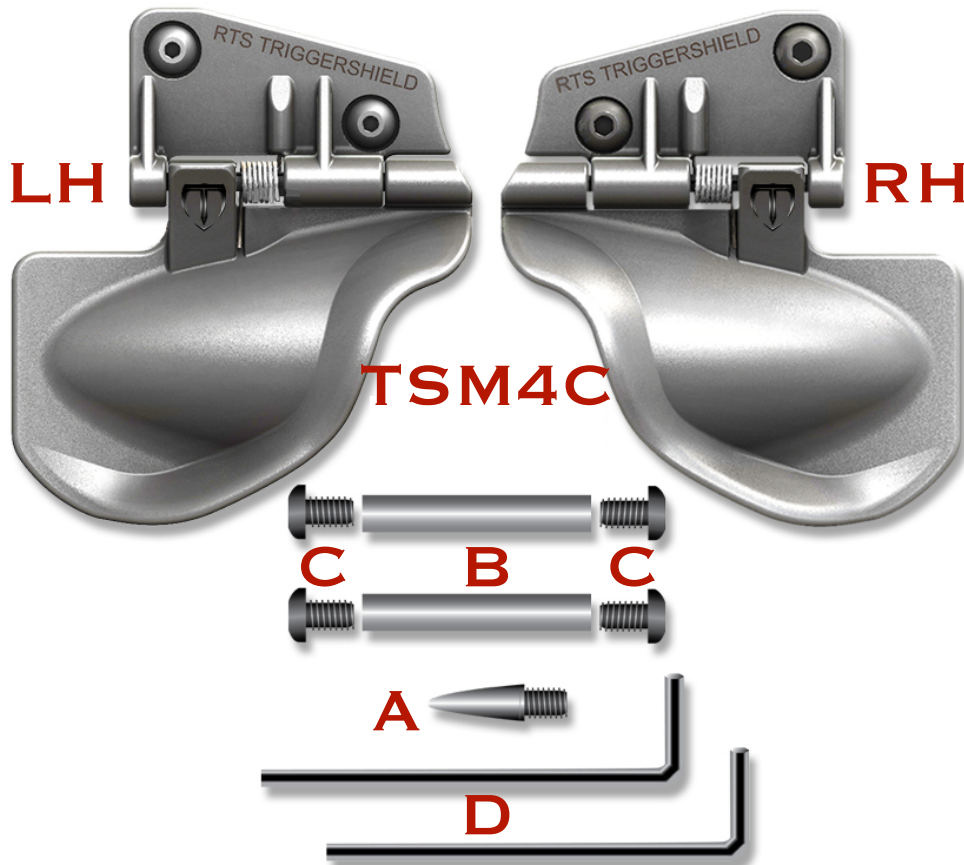
You have Downloaded Installation Instructions for the TSM4C
("Large" Pin Set for Colt Rifles Manufactured Between 1991-2009)

INSTALLATION INSTRUCTIONS

Watch a video of proper installation at: www.RTSTriggerShield.com/Install

THE RTS TRIGGERSHIELD™ TACTICAL SAFETY DEVICE IS DESIGNED TO BE CAPABLE OF BEING INSTALLED BY A PERSON OF AVERAGE ABILITY, WITHOUT SPECIAL TOOLS, AND WITHOUT THE SERVICES OF A GUNSMITH. HOWEVER, IF YOU ENCOUNTER ANY DIFFICULTIES OR HAVE ANY CONCERNS WHATSOEVER REGARDING USE OR INSTALLATION OF THE DEVICE, IT IS STRONGLY RECOMMENDED THAT YOU CONSULT A MORE KNOWLEDGABLE PERSON OR A GUNSMITH.

The RTS TriggerShield is designed to fit standard AR-15/M4-style weapons, and may not be suitable for some non-standard custom platforms, such as those containing atypical trigger guard shapes, magazine well positions, etc. Further, RTS TriggerShield can be properly installed only in the absence of other customizations in and around the trigger well (ex. "B.A.D." Levers, etc.), to the rear of the magazine well, and/or in conjunction with other custom anti-rotation pins.



RTS TriggerShield Left Hand Side (**LH**) Right Hand Side (**RH**)
(Left or Right side determined by muzzle direction.)

- A** - Cone Pilot Lead (1)
- B** - Large Hammer and Trigger Pins (**H/T Pins**) (2)
- C** - Custom Screws (4)
- D** - Hex Wrenches (2)

Step 1 - ENSURE WEAPON IS CLEARED AND SAFE.
TAKE PARTICULAR CARE TO VERIFY THAT THERE IS NO ROUND IN THE CHAMBER.

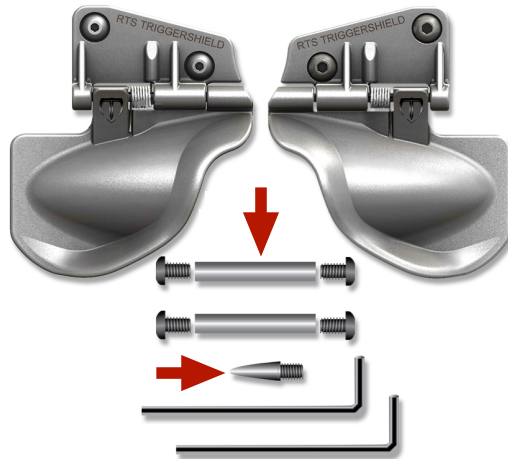
Step 2

- Lay rifle on its side. Installation can begin on either side of the weapon.
- Be sure to leave space underneath the weapon for the existing H/T pins to drop out when the Large H/T Pins are inserted.



Step 3

- Affix Cone Lead into one of the Large H/T Pins.
- Ensure the Cone Lead is fully seated in the female end of the Large H/T pin. The fit does not need to be overly tight.



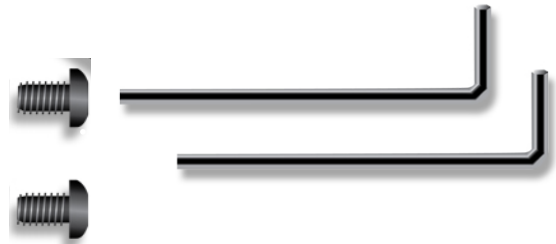
Step 4

- Using a mallet, lightly tap the new Large H/T pin through the rifle hammer/trigger hole to remove the existing H/T pin. The old pin will drop out the opposite side of the rifle.
- Remove Cone Lead from the Large H/T Pin and affix it into the second Large H/T Pin and REPEAT the process, replacing the other hammer or trigger pin.



Step 5

- Lay baseplate of the right or left corresponding RTS TriggerShield over newly installed hammer and trigger pins just above the trigger well.
- NOTE: Use special attention to ensure that the leg of the spring is lying flat in the channel on the underside of the RTS TriggerShield baseplate.
- Using one of the included Hex Wrenches, gently start a Screw through each hole in the RTS TriggerShield baseplate and into the newly installed Large H/T Pins.



Step 6

- Flip rifle and repeat Step 5.



Step 7

- Secure both sides of the RTS TriggerShield to the rifle by using the two 1/16 short arm Hex Wrenches and tightening the Screws simultaneously from opposite sides of the rifle (matching hammer pin to hammer pin and trigger pin to trigger pin).
- Hand-tighten only, do not over tighten.



TO CONFIRM PROPER INSTALLATION

The RTS TriggerShield is properly installed when both RTS TriggerShield baseplates lay flush against the lower receiver, held securely by the fully-seated and hand-tightened hammer and trigger pins and custom screws. On the underside of each RTS TriggerShield, the perpendicular forward edge of the RTS TriggerShield should contact the forward edge of the trigger well creating a gap between the bottom edge of the RTS TriggerShield and either side of the trigger guard, allowing for smooth upward access of the trigger finger between the bottom edge of the RTS TriggerShield and the existing trigger guard up into the trigger well and onto the trigger for purposeful trigger access. This gap may be slightly reduced if an extra-wide trigger guard is present. The spring action of the hinge will allow the lower half of the RTS TriggerShield to be rotated upward allowing trigger finger access. When the trigger finger is removed, the lower part of the shield will naturally return to its closed protective position. In its resting state, the RTS TriggerShield will lay closed over the trigger well.

LARGE PINS vs. STANDARD PINS

Most AR-15/M4 model rifles use the “STANDARD” (.154) hammer and trigger pins which are included with the RTS TriggerShield **TSM4**.

HOWEVER, Semi-Automatic Colt AR-15/M4 Lower Receivers manufactured between 1991-2009 use “LARGE” (.170) hammer and trigger pins, which are included with the RTS TriggerShield **TSM4C**

These Colt AR-15/M4 Lowers will not function properly with “STANDARD” (.154) hammer and trigger pins. **DO NOT** use incorrect pins, as potential malfunctions may include, but are not limited to: looseness of the internal trigger control group, multiple rounds fired on single trigger press, complete inoperability, etc.

To confirm whether your Colt Lower uses “Standard” (.154) or “Large” (.170) Hammer and Trigger Pins, either measure your pins with a caliper or call Colt directly at 800.962.2658 to ask for the date of manufacture by your serial number.

CONTACT RTS

For any questions regarding your RTS TriggerShield, please feel free to contact us at 904.299.6556 or visit www.RTSTriggerShield.com

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