

A-5 ELECTRIC TRIGGER KIT INSTALLATION & TUNING INSTRUCTIONS

TIPPMANN

PNEUMATICS, INC.

For Free Installation contact Tippmann Pneumatics Service Department at 260-749-6022

WARNING: DO NOT field strip or otherwise disassemble this gun while it is pressurized with gas. Disassembling the receiver while under gas pressure will cause personal injury &/or damage to the gun. Remove CO² cylinder or CO² cartridge before doing any disassembly.

**INSTALLING THE ELECTRIC TRIGGER LOWER RECEIVER
READ EACH STEP COMPLETELY BEFORE PERFORMING STEP**

WARNING: DO NOT OPERATE THIS MARKER WITH PARTS MISSING OR DAMAGED. If during the course of this installation, a part is lost or found to be damaged, *obtain a replacement part before continuing reassembly.*

Set up a table with plenty of space to work.

You Will Need: Small screw driver, 1/8" allen wrench & 9 volt battery.

Step 1: Prepare Marker for Lower Receiver Removal

To do so, you must: (1- unload your marker; (2- remove CO² source; and (3- uncock marker before further disassembly.

1) Unload your marker: first remove the hopper. Then, point your marker in a safe direction and fire several times to be sure there are no balls left in the feeder or lodged in the chamber.

2) Remove tank: To remove a charged CO² cylinder, turn the cylinder approximately 3/4 of a turn counterclockwise or out. This allows the tank pin valve to close so that no CO² will enter the marker. Point the marker in a safe direction and fire the remaining CO² in the marker by pulling the trigger until the marker stops firing. (This may take 4-5 shots)

If your marker keeps firing after you have turned the tank 3/4 of a turn, the tank pin valve has not closed yet and you may have to turn the tank counterclockwise a little further.

If you turn the tank 3/4 of a turn and it begins to leak before you pull the trigger you have turned it too far and may have damaged the tank o-ring.

3) Put the marker in the uncocked position: hold the bolt cocking handle back - then pull the trigger and release handle forward to un-cock the marker.

Step 2: Remove Lower Receiver from upper receiver

1) To detach lower receiver: Remove 2 lower receiver push pins (#1 & #2) to detach from upper receiver.

Step 3: Detach Tank Adapter from lower receiver.

1) To detach, remove receiver bolt (#3) from lower receiver. (Store removed lower receiver in safe place).

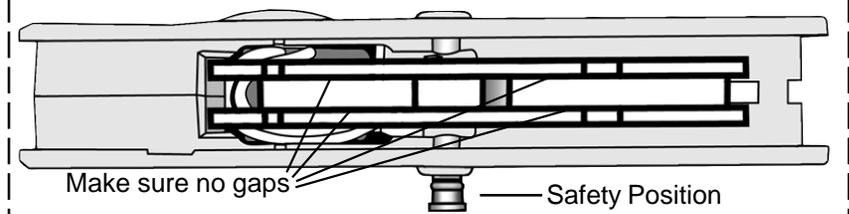
Step 4: Install Battery Into Electric Trigger Kit Receiver

Follow Battery Installation Instructions on back page.

Step 5: Inspect New Electric Trigger Kit Lower Receiver.

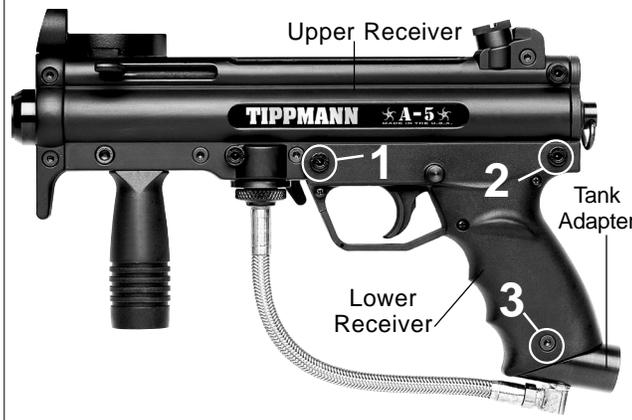
1) Visually inspect new electric kit lower receiver. Check that the trigger assembly is intact and the safety is in the "safe" (red *not* showing - to the right) position.

Top view of trigger assembly intact - it should look like this...



**The Electric Response Kit Contains:
1 - Lower Receiver Component**

Receiver Reference



Step 6: Attach Lower to Upper Receiver

1) Align lower receiver front push pin hole (#1) with upper receiver hole (#1) then gently rock rear of grip to align upper & lower push pin hole (#2).

2) With holes aligned, insert two lower receiver push pins to attach.

Step 7: Attach Tank Adapter to Lower Receiver

1) Remove (#3) receiver bolt from new lower receiver. Slide tank adapter into lower receiver, align holes then insert receiver bolt (#3) and tighten into receiver bolt nut.

Step 8: Install Tank Into Pistol Grip Tank Adapter

Note: *Eye protection designed for paintball use must be worn at all times when handling this marker by the user and any person within range.*

Standard Tank Installation Into Pistol Grip Adapter.

1) First, make sure that the marker is on SAFE mode. Press safety "In" on left receiver half to lock trigger & put marker in SAFE mode. (When safety button on left side of marker shows red, the marker is in FIRE mode and marker can fire.)

2) Next, cock the marker by sliding the bolt cocking handle all the way back until you hear/feel the bolt lock into place, then release the cocking handle to its forward position.

3) To install the tank, insert the tank valve end into the tank adapter at the back end of the pistol grip. Twist the tank clockwise into the marker, until it stops. Adjust the butt plate if necessary. Your marker is ready to fire once you switch to FIRE mode from SAFE mode.

You are now ready to tune the A-5 Electric Trigger rate of fire and set the mode of fire as outlined on the back page.

A-5 ELECTRIC TRIGGER KIT TUNING AND OPERATING INSTRUCTIONS

TURNING ON & OFF

ON = The Electric Trigger automatically turns on when you pull the trigger.

OFF = The Electric Trigger automatically turns off after 10 minutes or so of inactivity.

SELECTING FIRING MODE

Mode Adjustment

Top Access Opening

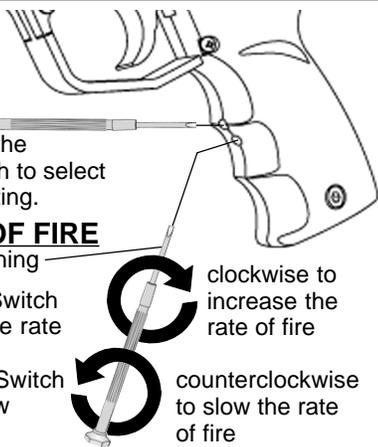
- With screwdriver, turn the Mode Adjustment switch to select desired firing mode setting.

SELECTING RATE OF FIRE

Lower Access Opening

- Turn the Rate of Fire Switch clockwise to increase the rate of fire.

- Turn the Rate of Fire Switch counterclockwise to slow the rate of fire.



FIRING MODE SETTING FIRING RESPONSE DESCRIPTION:

- 0 = NO OPERATION no response
- 1 = SEMI AUTO Fires one shot for each pull of the trigger.
- 2 = NO OPERATION no response
- 3 = AUTO RESPONSE Fires one shot for each pull or release of the trigger. If the trigger is held for an extended period, when the trigger is released no shot is fired.
- 4 = NO OPERATION no response
- 5 = FULL AUTO Fires shots repeatedly as long as the trigger is held.
- 6 = NO OPERATION no response
- 7 = 3 SHOT Fires either a 3 shot burst when the trigger is held or if trigger is released before 3 shot cycle is complete - firing stops at that point of cycle.
- 8 = NO OPERATION no response
- 9 = TURBO Fires one shot for each pull of the trigger until the time between trigger pulls is below .25 seconds - it then goes to one shot for each pull or release of the trigger.

WARNING: DO NOT OPERATE THIS MARKER WITH PARTS MISSING OR DAMAGED. If during the course of installation a part is lost or found to be damaged, *obtain a replacement part before continuing reassembly.*

BATTERY INSTALLATION - 9 VOLT BATTERY:

Step 1: Prepare marker for lower receiver / trigger assembly removal.

(1 To do so, you must complete the instructions "Step 1" on the front page (unload your marker / remove CO² source / uncock marker) before further disassembly. (WARNING: If you fail to remove the CO² source before removing lower receiver, the marker will fire uncontrollably - possibly resulting in personal injury and damage to the marker).

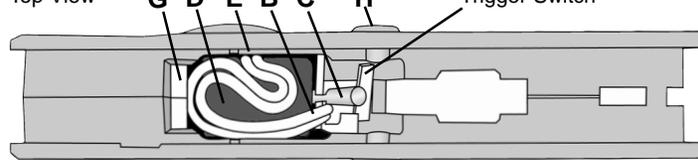
(2 Remove lower receiver as outlined in "Step 2" on the front page (it is not necessary to remove tank adapter to replace battery).

(3 Remove trigger assembly from lower receiver. To do so, push safety (A) out left side of lower receiver and carefully lift trigger assembly out, keeping it intact. (It is not necessary to disassemble trigger assembly to replace battery. NOTE: Do not replace sear spring with spring from old trigger assembly, tensions are specifically designed for Electric Response Kit and it will not operate properly if you do so). It is not necessary to disassemble lower receiver any further to replace battery.

4) Notice how battery wires from inside lower receiver are in slot (B) beside top of armature pin (C) and the position of the armature pin.

Remove battery from inside lower receiver. Do not jerk it out by the wires, carefully take it out. If you turn the receiver upside down the armature pin may come out, this is ok, just be sure to replace it.

Top View



(5 Carefully remove battery clip (E) from old battery and place it on new battery. NOTE: battery terminals only fit one way in clip.

(6 Make sure battery wires coming out of lower receiver are in slot (B) beside armature pin (C).

(7 Make sure armature pin is properly positioned (C) in lower receiver and slides freely up and down.

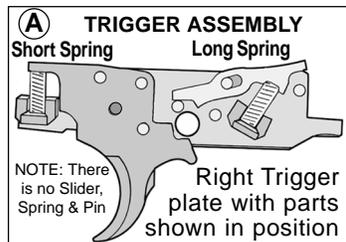
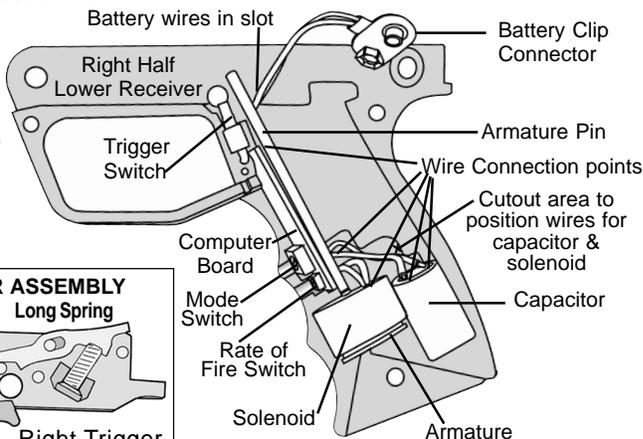
(8 Insert attached battery into lower receiver bottom first (F) with clip wires facing (E) back of receiver and to the right. Warning: Make sure battery wires are not sitting on shelf (G) where trigger assembly will rest.

(9 Reinstall Trigger Assembly: Insert assembly and line up safety holes - insert safety from left (H) to hold in place.

The Electric Trigger Kit is now ready for attachment to upper receiver. Follow "Steps 5, 6, 7 and 8" on front page to complete the installation.

INTERNAL PARTS:

A5 ELECTRIC TRIGGER LOWER RECEIVER COMPONENT



TROUBLESHOOTING:

Problem: If you pull the trigger and marker does not fire.

- 1) Check to be sure safety is off.
- 2) Make sure sufficient air supply is hooked up to marker
- 3) Firing Mode may be set to "NO OPERATION"
 - With screw driver, turn Mode adjustment (access through top hole in lower receiver) 1 position (click) try trigger again.
- 4) Battery may be disconnected - Check battery clip connection
- 5) Battery may be bad - replace battery.
- 6) Internal wire may be disconnected.
 - Inspect wire connections inside lower receiver. CAUTION: Do NOT disassemble this marker while it is pressurized with gas. Remove lower receiver as outlined on front page "Steps 1, 2 & 3". Remove left grip half (3 screws & tank adapter bolt) and visually inspect internal wires for disconnected wire end. When replacing grip half, be sure wires are positioned in slot and cutout area so wires are not pinched or sheared.

If a problem still exists, call: Tippmann Service Department at 260-749-6022.