

RACEGUN COMPUTER GRIP INSTALLATION GUIDE

Congratulations on your new Racegun grip, this guide will show you how to install your grip on a standard Auto-cocker.

Please be aware that proper installation is needed for safe and trouble free operation of the grip, if you are in doubt please contact a qualified airsmith for help.

This is what you need:

- 1/8" Hex key
- 1/16" Hex key
- 5/8" or 16 mm Wrench
- Phillips head screwdriver
- Straight head screwdriver
- Wrench for removing the LPR
- X-acto Knife or Scissors for LP hose
- 30+ minutes of time



This is what you get in the box:

- Grip frame and Battery
- 5-way valve
- Bracket for 5-way valve
- Various Screws and fittings
- Black 125 psi Hose
- PC Connection Cable (not shown)
- Battery Charger (not shown)



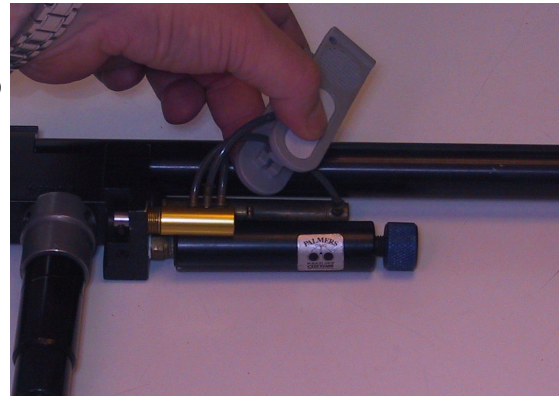
www.raceguns.dk

Removing the old grip

1. Remove the old grip by removing both grip screws. The Racegun kit contains new and longer screws.



2. Remove the old 3-way valve by either cutting the three 1/8-inch hoses, leading to and from it, directly above the 3-ways fittings, or by disassembling the fittings. The latter may not be possible on some markers.

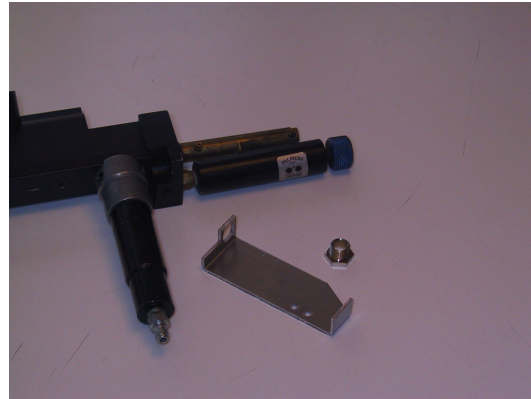


3. Unscrew the 5-way from the front block and remove it together with the trigger/actuating rod. It might be necessary to remove the LPR regulator first. If so, leave the LPR off.

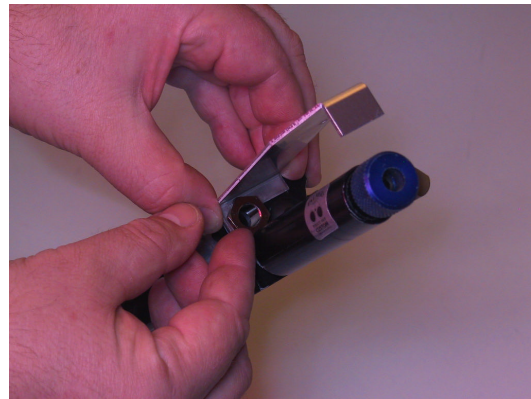


Installing the Racegun grip

4. The 5-way valve must be mounted to the front block of your marker by using the supplied bracket, nut, fittings and screws.



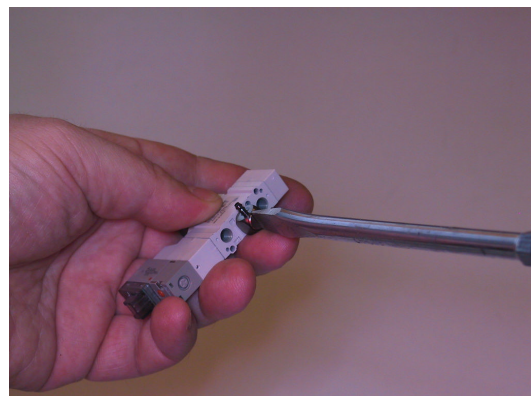
5. Install the bracket using the supplied hollow nut.



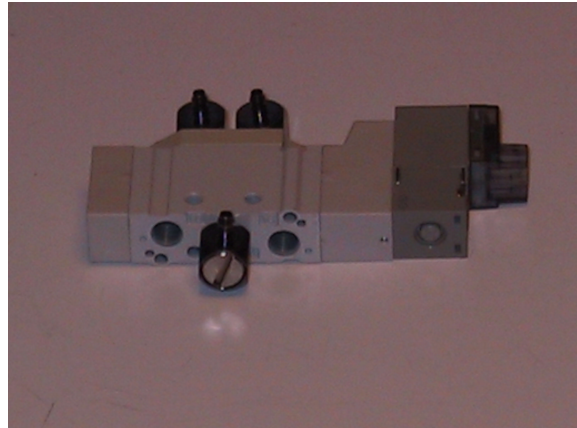
6. Use the 5/8" or 16mm wrench to tighten the bracket's hollow nut.



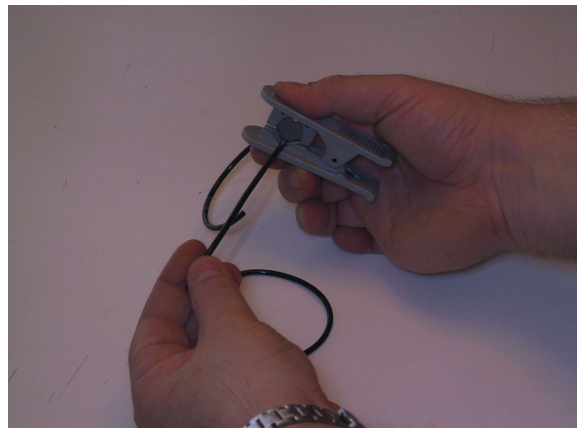
7. Screw the 3 supplied air fittings into the new 5-way valve.
Tighten the fittings lightly so they can still swivel.
(Do not over tighten them)



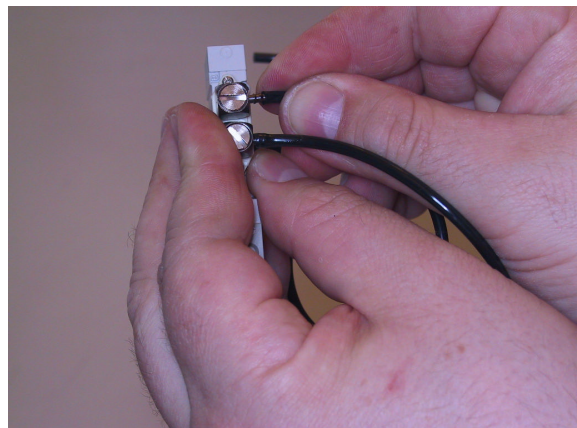
8. Valve side with 3 ports: fit 1 air fitting into the center port.
Valve side with 2 ports: fit one air fitting into each port.



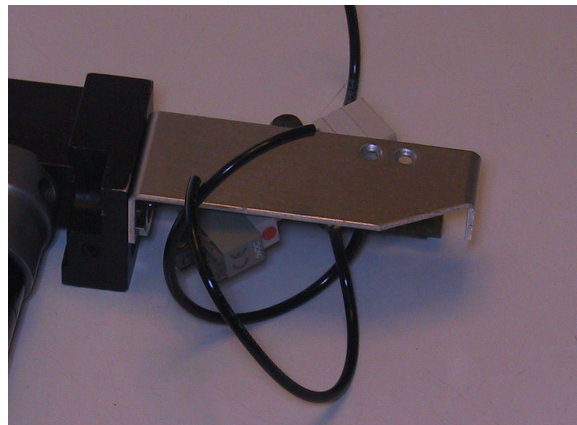
9. Cut the supplied piece of hose into 3 equal pieces and connect them to the fittings on the 5-way valve.



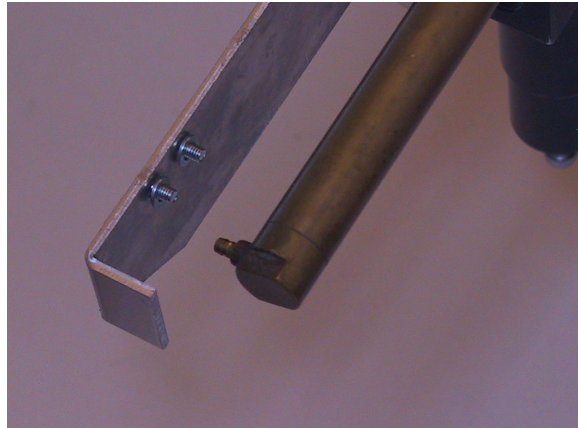
10. Also be careful when installing the Pneumatic Hose, the Barbs are sharp.



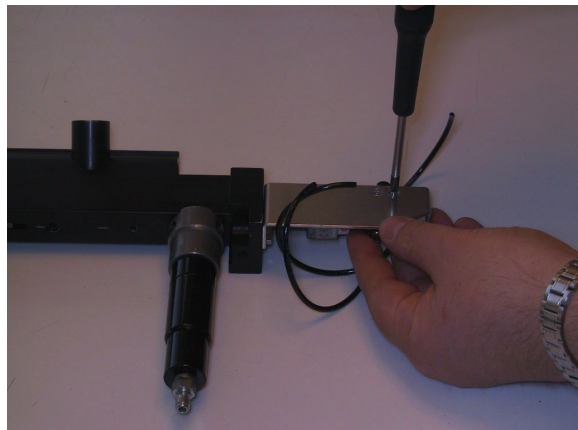
11. Attach the 5-way valve to the bracket using the supplied screws and spacers. It will only fit one way.



12. Note that the spacers go between the 5-way valve and the bracket.



13. Take care not to over tighten the screws, the threads are very small and it's only aluminum.

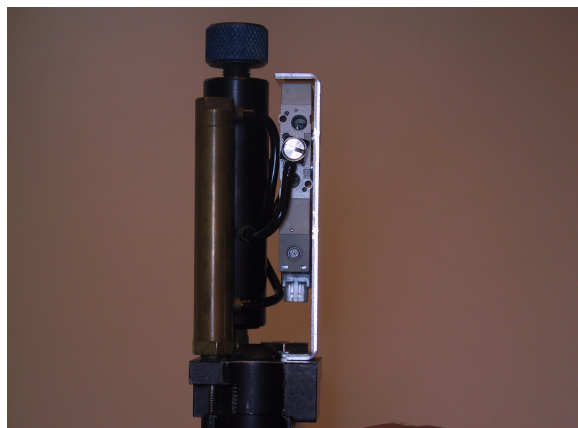


14. Swivel the fittings as needed, cut the hoses to the right length and press them onto the regulator and RAM.

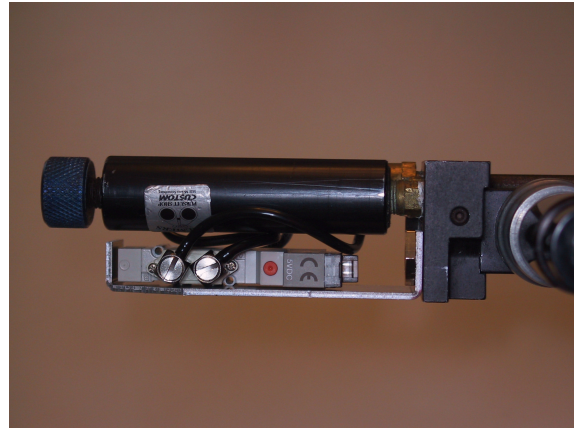
The two unused ports on the 5-way are for exhaust air from the RAM and may be covered by two 90° fittings (not included) to protect them from dirt.



15. Valve top (one fitting in center port): connect to the LPR regulator outlet.



Valve bottom (2 fittings): front port connects to the back of the RAM, rear port connects to the front of the RAM, i.e. the hoses cross over. Tighten down the fittings in the final position.



16. The sear lug screw should be set approx. 1-1.5mm (0,04-0,06") up measured from the bottom of the body as a starting point.

Make sure you have a squared lug



17. Attach the grip to the marker body using the two supplied screws. Take care not to squeeze the wires.

*First attach very loosely, and when you meet resistance, cock your hammer manually. ** (see note)*

Do not force it!



18. Tighten the grip to the marker body.

*** (note) Instead of manually cocking the hammer you could connect the battery and "fire" the gun to drop the sear !*



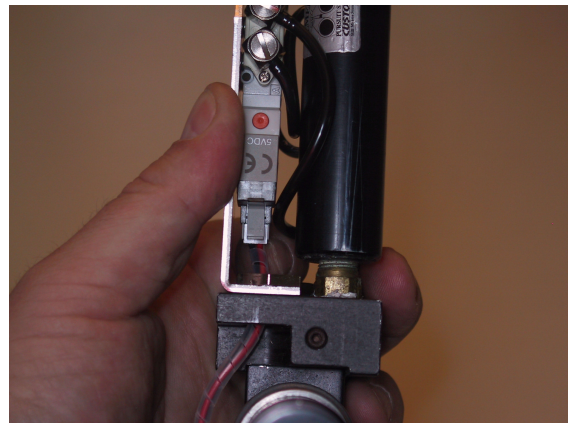
19. A wire wrap is included with your kit, thread one end on and twist it, to wrap it on the rest of the way.



20. You need to connect the black and red lead to the 5-way valve. Put the connector through the hollow nut.



21. Connect the plug to the 5-way valve, it takes a little finesse to plug it in. The connector can only go in one way.



Put on some grip panels (not included) - the Racegun grip is compatible with all standard .45 frame grip panels. *Plug in the battery before putting on the grip panels. Charge your grip for 4 hours and you are ready to "RACE"!*

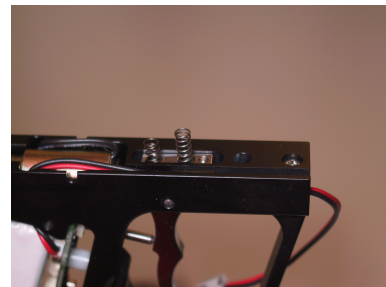


Operation and maintenance

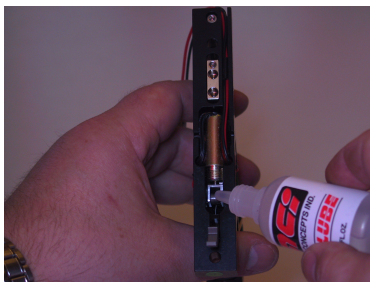


To turn the grip ON press the top button for 1 second—the led will light up green and the grip will beep once.
To turn the grip OFF press the top button for 1 second, the grip will beep 3 times and the green led will turn off.
Disconnect the battery if you are not going to use your grip for a longer period of time.

To switch between LIVE and SAFE mode press the top and bottom buttons simultaneously.
Green LED = Safe gun
Red LED = Live gun
The grip will beep once when going to live mode and 3 times when going to safe mode.



Adjusting the trigger pull is done by using the 2 setscrews in the trigger itself, the first screw takes up the forward travel and the second screw acts as a trigger stop. Make sure the trigger stop is set correctly (right after the switch is activated) or you could damage your trigger switch.
The kit includes 2 springs which can be used if you like a stiffer trigger setup. The use of these springs is optional, the grip will function without them.



One drop of oil on the sear roller once in a while is all the maintenance required on your Racegun grip.
Keep the grip clean and dry and wipe it off using window cleaner and a soft rag after each day of play. If you get paint in the exhaust ports of the 5-way shoot the gun a few times, that will clear out any paint/dirt from the ports!

Thanks to the nice guys at AMP for their help and inspiration on this guide !