



Installing N-Strike Recon CS-6 Stage 1 and Stage 2 Performance Kits

The Nerf N-Strike Recon CS-6 is a currently available blaster that is relatively easy to modify. The guys at Orange Mod Works have produced two mod kits which upgrade all the plastic internals to custom metal parts.

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INTRODUCTION

The Nerf N-Strike Recon is a great foam dart blaster which can be found for around \$20. Like most blasters, the range is about 30-35 feet. However, with the Stage 1 and Stage 2 mod kits from [Orange Mod Works](#), the blaster's internal parts can be upgraded to attain 80 foot ranges and muzzle velocities in excess of 90 feet per second.

Please pardon the poor quality images. I only had my camera phone available while installing the kits. If you've got better images, please contribute them!



TOOLS:

- [Hammer](#) (1)
- [Phillips #0 Screwdriver](#) (1)
- [Speed up Mac](#) (1)
- [File Set](#) (1)



PARTS:

- [Stage 1 Performance Kit from Orange Mod Works](#) (1)
- [Stage 2 Performance Kit from Orange Mod Works](#) (1)

Step 1 — Gather your gear.



- The Nerf N-Strike Recon is a great blaster on its own, but we can significantly improve its performance by modding it.
- The Stage 1 Performance Kit comes with a spring that's twice as powerful, a metal trigger catch and stronger catch spring, and a reinforcement plate.
- The Stage 2 Performance Kit comes with a metal breech, metal bolt sled, metal plunger tube, and an O-ring with lubricant.

Step 2 — Rear body screws.



- The blaster is relatively easy to take apart. Just remove the Phillips #0 screws from the body.
- Remove the 8 screws from the rear body. They're all the same size.
- Remove the screw below the barrel. This is the only screw that's a different size. It's quite a bit longer than the others.

Step 3 — Front body screws.



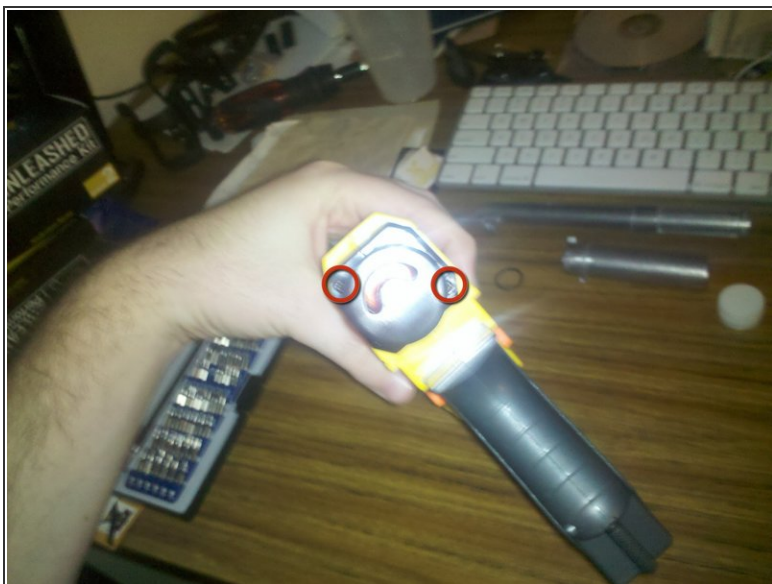
- Slide the cocking mechanism back slightly to reveal two more screws.
- Remove these short Phillips #0 screws from the front body. They're the same size as the eight we removed in the previous step.

Step 4 — Cocking mechanism screws.



- Now remove the two Phillips #0 screws on the cocking mechanism itself. They're the same size as all the other short screws.

Step 5 — Plunger tube guard.



- Finally, remove the two screws on the back securing the plunger tube guard.
- Once free, remove the plunger tube guard from the blaster.

Step 6



- Carefully pry around the middle seam, and the blaster should come apart.
- Work slowly and methodically so that you don't disturb the internal components in the process. Chasing down stray springs is not fun!

Step 7 — Trigger catch and plunger tube.



- Carefully remove the plastic trigger catch and stock spring.
- Next you can slide the plunger tube off the breech.

Step 8 — Bolt sled and breech.



- Next, remove the bolt sled and breech assembly. They are attached, so they'll come out together.
- You may find it easier to remove if you take out the trigger and trigger lock first. Just remember how it went together so you can reassemble these pieces later!

Step 9 — Plunger tube guard reinforcement plate.



- Slide the plunger tube guard reinforcement plate (from the Stage 1 kit) into the guard we removed in step 5.

⚠ It's not square, so it will only fit one way. Don't force it, it should just drop in.

Step 10 — Attach breech to bolt sled.



- Use a hammer to insert the included pin between the breech and bolt sled.
- It won't be super tight. There should be some play up and down between the bolt sled and the breech.

Step 11 — O-ring.



- Install the included O-ring onto the breech (both from the Stage 2 kit).
- Use the grease from the kit to lube up the O-ring and surrounding breech area.

Step 12 — Lube the plunger tube, breech, and bolt sled.



- It's a good idea to use your finger (with some grease on it) to lube up in the inside of the plunger tube.
- Continue applying lube and testing the plunger tube on the breech until they slide nicely.
- It's also a good idea to apply grease to areas where the metal is in constant contact with the plastic, like the plunger tube guide tabs.
- The bottom rails on the bolt sled also slide past the plastic a lot, so might as well lube them up, too.

Step 13 — Install bolt sled assembly.



- Install the new bolt sled assembly, plunger tube and all, back into the gun.
- Be careful with the trigger lock. You may have to remove it and reinstall it. Make sure you put it back exactly how you found it.
- The hole in the bolt sled should drop right into the plastic peg on the cocking mechanism.
- Make sure the tabs on the plunger tube are in the guide rails on the outer shell of the blaster.

Step 14 — Spring and trigger catch.



- Carefully lift the plunger tube slightly and slide the new spring (from the kit) and trigger catch over the plunger tube.
- Make sure you put one of the new stronger trigger catch springs (again, from the kit) on your trigger catch.

Step 15 — Reinstall trigger.



- Holding your hand down over the sensitive internals around the trigger area (to prevent them from dislodging), slide the cocking mechanism all the way forward.
- With the cocking mechanism forward, you should be able to reinstall the trigger (if you removed it earlier).

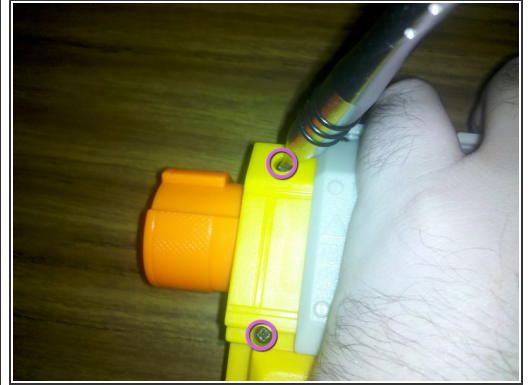
Step 16 — Close up body.



- Place the other half of the body back onto the gun, making sure everything lines up. It's ok if the spring sticks out of the back for now.
- While holding the body together firmly with one hand, use the other to push the spring inside. This may require separating the body slightly around the spring.
- Once the spring is inside the body, grab the plunger tube guard and reinstall it with two of the short Phillips #0 screws.

☒ Make sure your plunger tube guard reinforcement plate didn't fall out!

Step 17 — Replace body screws.



- Use eight of the short Phillips #0 screws to secure the rear body.
- Remember, the single long screw goes below the barrel.
- Use two more short screws to reconnect the two halves of the cocking mechanism.
- Lastly, slide the cocking mechanism back slightly to reveal the last two screw holes. Use your last two short screws to secure the front body.

Step 18 — Modify your magazines.



- i** Due to a tiny mistake in my batch of kits, the front of the breech will block the top of the magazine from inserting all the way. Check the fit in your blaster before you do this step.
- It's an easy fix that won't affect the use of the modified magazine in your other blasters.
 - Using a rotary tool or file, grind down the back corner of the top of the magazine.
 - Keep grinding and testing the fit in your blaster. You don't need to take off much.
- !** Make sure you are grinding down the correct corner! It should be the corner closest to the rear end of your darts when loaded correctly.

Step 19



- Say goodbye to all those plastic parts!
- Or, if you're feeling sentimental, store them somewhere safe in case you ever decide that the performance kits have made your blaster too awesome.

All finished! Please be safe and responsible with this blaster! After modification, this is no longer a toy for children. Close range shots can hurt and poking around the internals with a finger during operation could cause serious injury. Be careful!