

Dissection Notes

- 1) To fully dissect the nerf gun, the plunger assembly (consisting of parts 1-8) was first removed from the plastic casing by unscrewing the four stainless steel screws connecting the baseplate to the plastic casing.
- 2) A flathead tool was then used to remove the rubber o-ring, rubber seal, and steel rivet on the top of the plastic shaft head of the plunger.
- 3) This, in turn, allowed for three remaining pieces of the plunger assembly, (plastic shaft head, plastic shaft, and plunger assembly spring) to be disassembled.
- 4) Next, a hacksaw was used to split the plastic casing of the gun into two equal parts, and allowed for the removal of the plastic trigger from the housing assembly.
- 5) The segment of the plastic casing with the barrel was then disassembled by removing the barrel spring by hand from its two fixed supports, which in turn, allowed for the barrel back panel to be removed. The last remaining part in the housing assembly, the bullet holder is fixed at one end, and free to rotate into and out of the barrel at the other.

Views of the plunger and housing assemblies along with their associated components in the order in which they are disassembled will be provided in detail below.

Full Dissection

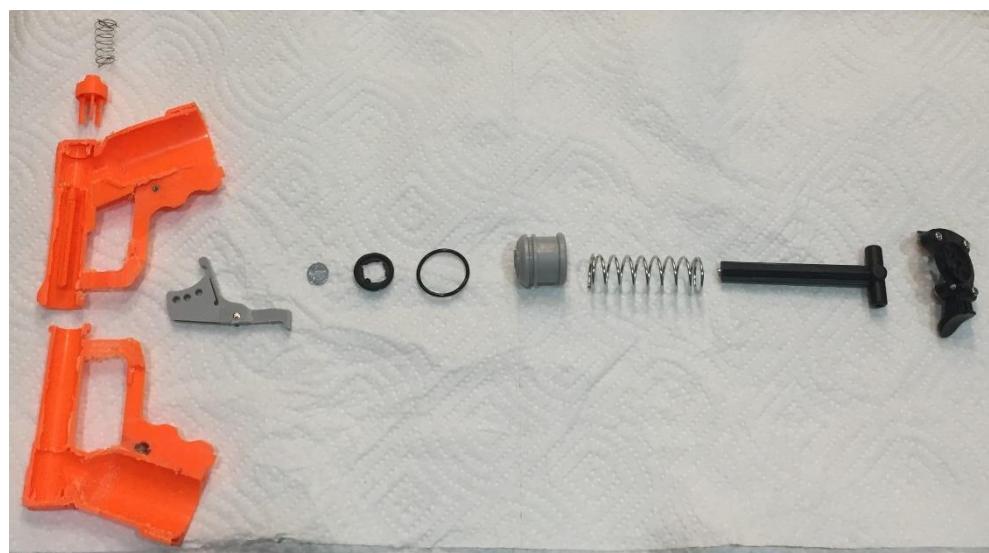


Figure 1: Full Dissection of the Nerf Gun

Plunger Assembly



Figure 2: Plunger Assembly (Front View)

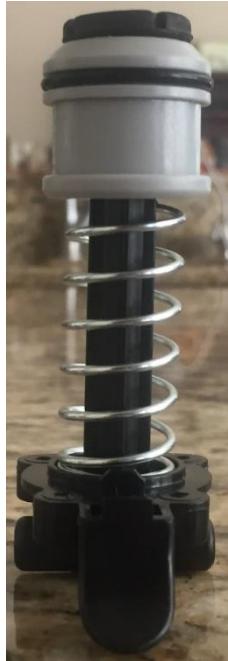


Figure 3: Plunger Assembly (Back View)



Figure 4: Plunger Assembly (Left View)



Figure 5: Plunger Assembly (Right View)



Figure 6: Plunger Assembly (Top View)



Figure 7: Plunger Assembly (Bottom View)

Plunger Disassembly



Figure 8: Disassembly of the Plunger

Baseplate



Figure 9: Plunger Assembly Baseplate (Front View)



Figure 10: Plunger Assembly Baseplate (Back View)



Figure 11: Plunger Assembly Baseplate (Left View)

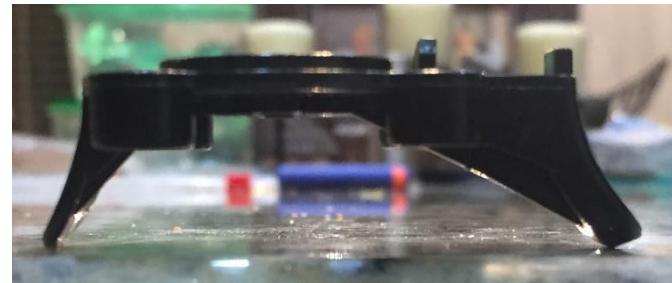


Figure 12: Plunger Assembly Baseplate (Right View)



Figure 13: Plunger Assembly Baseplate (Top View)



Figure 14: Plunger Assembly Baseplate (Bottom View)

Phillips Screws



Figure 15: Phillips Screws

Plunger Assembly Shaft



Figure 16: Plunger Assembly Shaft (Front View)



Figure 17: Plunger Assembly Shaft (Back View)



Figure 18: Plunger Assembly Shaft (Left View)



Figure 19: Plunger Assembly Shaft (Right View)



Figure 20: Plunger Assembly Shaft (Top View)



Figure 21: Plunger Assembly Shaft (Bottom View)

Plunger Assembly Spring



Figure 22: Plunger Assembly Spring (Top View)

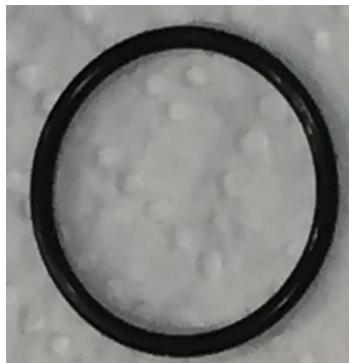


Figure 22: Plunger Assembly Spring (Bottom View)



Figure 22: Plunger Assembly Spring (Side View)

Plunger Assembly Rubber O-Ring



*Figure 23: Plunger Assembly
Rubber O-Ring (Top View)*



Figure 24: Plunger Assembly Rubber O-Ring (Side View)

Plunger Assembly Rubber Seal



Figure 25: Plunger Assembly Rubber Seal
(Top View)



Figure 25: Plunger Assembly Rubber Seal
(Bottom View)



Figure 26: Plunger Assembly Rubber Seal (Side View)

Plastic Shaft Head



Figure 27: Plunger Assembly Plastic Shaft Head (Top View)



Figure 28: Plunger Assembly Rubber Seal (Bottom View)



Figure 29: Plunger Assembly Rubber Seal (Side View)

Plunger Assembly Plastic Shaft Head Rivet



Figure 30: Plunger Assembly Plastic Shaft Head Rivet (Top View)



Figure 31: Plunger Assembly Plastic Shaft Head Rivet (Bottom View)

Housing Disassembly



Figure 32: Disassembly of Housing

Housing Assembly Trigger



Figure 33: Housing Assembly Trigger (Front View)



Figure 34: Housing Assembly Trigger (Back View)



Figure 35: Housing Assembly Trigger (Left View)



Figure 36: Housing Assembly Trigger (Right View)



Figure 37: Housing Assembly Trigger (Top View)



Figure 38: Housing Assembly Trigger (Bottom View)

Housing Assembly Trigger Rivet



Figure 39: Housing Assembly Trigger Rivet Void (As it appears on Plastic left view of plastic casing)



Figure 40: Housing Assembly Trigger Rivet (As it appears on right view of plastic casing)



Figure 41: Housing Assembly Trigger Rivet (As it appears on left and right views of trigger)

Housing Assembly Plastic Case



Figure 42: Housing Assembly Plastic Case (Front View)



Figure 43: Housing Assembly Plastic Case (Back View)



Figure 44: Housing Assembly Plastic Case (Left View)



Figure 45: Housing Assembly Plastic Case (Right View)



Figure 46: Housing Assembly Plastic Case (Top View)



Figure 47: Housing Assembly Plastic Case (Bottom View)



Figure 48: Housing Assembly Plastic Case
(View of Inside of Left Segment)



Figure 49: Housing Assembly Plastic Case (View
of Inside of Right Segment)

Housing Assembly Barrell Spring



Figure 50: Housing Assembly Barrel Spring (Top View)



Figure 51: Housing Assembly Barrel Spring (Bottom View)



Figure 52: Housing Assembly Barrel Spring (Side View)

Housing Assembly Barrell Back Panel



Figure 53: Housing Assembly Barrel Back Panel (Front View)



Figure 54: Housing Assembly Barrel Back Panel (Back View)



Figure 55: Housing Assembly Barrel Back Panel (Side View)

Housing Assembly Bullet Holder



Figure 56: Housing Assembly Bullet Holder (Front View)



Figure 57: Housing Assembly Bullet Holder (Back View)



Figure 58: Housing Assembly Bullet Holder (Side View)