



3DPrintFreedom.com
Bill of Materials

PRODUCT: VZ-61 Hardware Kit

VERSION: 1.1

Major Parts / Assemblies			
	Part	Description	Quantity
<input type="checkbox"/>	Upper Assembly	Usually includes assembled front / rear sights	1
<input type="checkbox"/>	Barrel		1
<input type="checkbox"/>	Shoulder Stock Assembly	Usually preassembled	1
<input type="checkbox"/>	Magazine	10 round	2

Upper Parts				
	Part #	Part	Description	Quantity
<input type="checkbox"/>	1	Upper		1
<input type="checkbox"/>	2	Front takedown pin	5mm diameter, 28mm below shoulder, includes slot with two detent holes	1
<input type="checkbox"/>	3	Front takedown pin detent and spring	Spring and detent are usually attached. Spring is 2.9mm diameter, 26mm long	1
<input type="checkbox"/>	4	Cocking knob		2
<input type="checkbox"/>	5	Barrel pin	3mm diameter, 32mm long, no shoulder	1

Lower Parts				
	Part #	Part	Description	Quantity
<input type="checkbox"/>	6	Controlling lever (left)	Flat steel with three holes, does not have sharp point	1
<input type="checkbox"/>	7	Bolt catch button		1
<input type="checkbox"/>	8	Bolt catch spring	3.3mm diameter, 19mm long	1
<input type="checkbox"/>	9	Magazine catch		1
<input type="checkbox"/>	10	Magazine catch spring	3.5mm diameter, 32mm long	1
<input type="checkbox"/>	11	Ejector		1
<input type="checkbox"/>	12	Ejector detent and spring	Spring and detent are usually attached. Spring is 2.9mm diameter, 14mm long. Detent pin is unusually long.	1
<input type="checkbox"/>	13	Safety selector		1

Grip Assembly				
	Part #	Part	Description	Quantity
<input type="checkbox"/>	14	Grip		1
<input type="checkbox"/>	15	Grip assembly screw	Not a traditional "screw". Large, hollow metal body with one end threaded.	1
<input type="checkbox"/>	16	Rate reducer	Usually preassembled	1
<input type="checkbox"/>	17	Pistol grip rubber washer		1
<input type="checkbox"/>	18	Pistol grip cap assembly		1
<input type="checkbox"/>	19	Pistol grip cap washer		1
<input type="checkbox"/>	20	Rate reducer spring	5.5mm diameter, 141mm long	1

Fire Control Group Parts				
	Part #	Part	Description	Quantity
<input type="checkbox"/>	21	Trigger		1
<input type="checkbox"/>	22	Trigger pivot pin	3.9mm diameter, 19.8mm long, no shoulder, two grooves	1
<input type="checkbox"/>	23	Sear		1
<input type="checkbox"/>	24	Hammer spring (mainspring) guide	Usually already pinned to sear	1
<input type="checkbox"/>	25	Hammer spring (mainspring) guide pin	Usually already pinned in sear. 2mm diameter, 11.5mm long	1
<input type="checkbox"/>	26	Disconnecter		1

<input type="checkbox"/>	27	Disconnecter support and spring	Spring and support are usually attached. Spring is 2.9mm diameter, 11.7mm long	1
<input type="checkbox"/>	28	Hammer		1
<input type="checkbox"/>	29	Hammer spring (mainspring)	5.6mm diameter, 36.5mm long. Double wrap wire.	1
<input type="checkbox"/>	30	Hammer spring (mainspring) strut	Usually already pinned to hammer	1
<input type="checkbox"/>	31	Hammer spring (mainspring) strut pin	Usually already pinned in hammer. 2.5mm diameter, 11.5mm long	1
<input type="checkbox"/>	32	Hammer pin	3.9mm diameter, 24mm long below shoulder	1

Other Parts (May not be used in some builds)				
	Part #	Part	Description	Quantity
<input type="checkbox"/>	33	Controlling lever (right)	Flat steel with three holes, includes sharp point	1
<input type="checkbox"/>	34	Rate reducer lever		1
<input type="checkbox"/>	35	Rate reducer lever pin	4.9mm diameter, 24mm long below shoulder, cone head	1
<input type="checkbox"/>	36	Bolt stop		1
<input type="checkbox"/>	37	Bolt stop spring and support	Spring and support are usually attached. Spring is 3.3mm diameter, 24mm long	1
<input type="checkbox"/>	38	Pins and spring cover		1
<input type="checkbox"/>	39	Controlling lever spring and rest	Spring and rest are usually attached Spring is 3.4mm diameter, 31mm long	1
<input type="checkbox"/>	40	Hammer stop pin	4.9mm diameter, 25mm long below shoulder, flat head, single groove	1
<input type="checkbox"/>	41	Hammer stop latch, support and spring	Spring, support and latch are usually all attached. Spring is 1.9mm diameter, 12mm long	1
<input type="checkbox"/>	42	Trigger guard (cut)	Trigger guard is usually cut off from receiver. Piece of trigger guard (and rivet) is also likely included on one of the receiver pieces	1
<input type="checkbox"/>	43	Receiver (cut)	Cut receiver pieces included	3 or 4 (likely)

Bolt Parts				
	Part #	Part	Description	Quantity
<input type="checkbox"/>	44	Bolt body		1
<input type="checkbox"/>	45	Extractor		1
<input type="checkbox"/>	46	Extractor spring	Spring is 3.4mm diameter, 14.3mm long	1
<input type="checkbox"/>	47	Striker		1
<input type="checkbox"/>	48	Firing pin		1
<input type="checkbox"/>	49	Firing pin spring		1
<input type="checkbox"/>	50	Striker pin		2
<input type="checkbox"/>	51	Recoil spring	Spring is 5.5mm diameter, 216mm long	2
<input type="checkbox"/>	52	Recoil spring rod		2
<input type="checkbox"/>	53	Recoil spring securing piece		1

Preassembled Parts: These tables list the components of parts that are likely preassembled in this kit.

Notes:

Rate Reducer Parts		Shoulder Stock
Rate reducer weight (x2)		Shoulder stock base
Rate reducer counterweight		Shoulder stock base latch
Rate reducer counterweight spring		Shoulder stock base latch spring
		Shoulder stock spring
		Shoulder stock pivot
Rear Sight Assembly		Shoulder stock pivot pin
Rear sight		Front Sight
Rear sight pin		Front Sight
Rear sight catch		Front sight sleeve
Rear sight catch spring		Front sight sleeve screw

Note: each kit is checked for parts before shipping. If a necessary part is missing, the kit will not be shipped. If an uncommonly used / unnecessary part is missing, we may elect to ship the kit without it. This missing part will be noted in the BOM above. If you feel your kit is missing a necessary part or have any questions, contact support@3dprintfreedom.com

Pack Date: _____

Packed By: _____

Thank you for your business!