



**MOKAL
INC.**

FOKUS VX 2K3

Semi Automatic Paintball Marker INSTRUCTIONS

MOKAL INC.
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FOKUS Semi Automatic Paintball Marker

Disassembly instructions

For routine cleaning of your Fokus you can remove the hammer-bolt assembly and clean the upper receiver.

To remove the hammer-bolt assembly:

1. Unscrew back end nut 18
2. Grab the end of flush cocking bolt (24) and pull out hammer-bolt assembly
3. Unscrew barrel

Replacing valve seals

1. Unscrew rear bottle adaptor from the handle frame by removing screws 47
2. Remove screws 37 and 38 to remove handle frame
3. Remove screw underneath receiver next to vertical tank adaptor, pull out vertical tank adaptor.
4. Pull out valve stem assembly
5. Remove screw 13 from the lower part of the receiver 12
6. Push out valve body from the rear of the receiver (hammer end) towards the front of the receiver.
7. The o-rings on the valve body can now be replaced.

To replace valve sup seal:

1. Hold the valve stem in a vise or firmly in pliers, being careful not to damage the valve stem.
2. Unscrew the valve seat
3. Pull out the valve sup seal and replace if necessary

To remove hammer u-cup seal

1. Remove hammer - bolt assembly as described above
2. Using a small flat screwdriver insert one end under the seal
3. Pull the seal over the hammer and remove the seal.

To replace hammer u-cup seal

1. Make sure that flared end is towards the front of the hammer facing the valve body. If it is installed the other way around the marker will NOT recock.
2. Put one end of the seal into the groove on the hammer
3. Using a small screwdriver lead the seal into the groove by following the screwdriver in the groove

FOKUS PARTS LISTING

PART	DESCRIPTION	PART	DESCRIPTION	PART	DESCRIPTION	PART	DESCRIPTION
1	12" SNIPER BARREL	14	VERT. TANK ADAPTOR SCREW 10-32 X 1/2" BUTTON HEAD	27	SLEEVE	40	FRONT HANDLE FRAME SCREW 10-32 X 3/4" BUTTON HEAD
2	BARREL O-RING 018 N70 DUROMETER	15	VALVE STOP SCREW 10-32 X 1/4" HALF DOG	28	SCREW 10-32 X 1/4" BUTTON HEAD	41	REAR HANDLE FRAME SCREW 10-32 X 1/2" BUTTON HEAD
3	VOLUMIZER	16	HAMMER	29	SNAP COCKING SPRING	42	WASHER #10 LOCKWASHER
4	O-RING 015 N90 DUROMETER	17	HAMMER SEAL	30	BUSHING	43	SEAR
5	VERTICAL TANK ADAPTOR	18	HAMMER SPRING	31	PULL KNOB	44	SEAR SPRING
6	FOREGRIP	19	REAR BUMPER	32	BALL DETENT	45	ROLL PIN 3/32 X 3/4"
7	VALVE SPRING	20	ENDCAP	33	BALL DETENT O-RING 011 N90 DUROMETER	46	REAR BOTTLE ADAPTOR
8	VALVE SEAT	21	ENDCAP O-RING 017 N90 DUROMETER	34	VERTICAL FEED ADAPTOR	47	SCREW 10-32 X 1" SOCKET HEAD
9	VALVE CUP SEAL	22	VELOCITY LOCK SET SCREW 10-32 X 3/16"	35	VERTICAL FEED O-RING (2 PCS) 023 N70 DUROMETER	48	TEFLON HOSE
10	VALVE STEM	23	THUMB VELOCITY ADJUSTER	36	TRIGGER	49	ELBOW
11	VALVE BODY	24	SNAP COCKING BOLT	37	TRIGGER SPRING	50	GRIP SCREWS
12	RECEIVER	25	SET SCREW M6 X 6 MM	38	ROLL PIN 3/32 X 3/4"	51	LEFT GRIP
13	SCREW BUSHING	26	BOLT CONNECTIN PIN	39	HANDLE FRAME	52	RIGHT GRIP

