

NUMMECH PRODUCTS – MINIGS VXL FRAME

The VLX upgrade package contains your new frame with new screws and hardware pre-installed. Some of these screws are different from the factory parts, so they come pre-installed to help show their final locations. You'll re-use your stock grips, trigger, bottomline ASA, plastic foregrip body, and rubber button pad. Installing the upgrade frame requires a complete disassembly of your stock parts, but most can be done in any order. Below are some notes on the "new" parts.

Bottomline regulator installation:

VLX frames use a redesigned air connection: a small air coupling seals against the regulator, tightened into place using a set screw from the top of the air tube. (reference the *bottom-right* cutaway diagram).

1. First, be sure there is only ONE o-ring installed between the frame and the regulator's receptacle (an o-ring should be pre-installed on the red air coupling upon purchase).
2. Slide the regulator onto the underside of the frame. If you encounter resistance, the red air coupling might be sticking out too far; push it up into the frame and try again.
3. Install the new button head mounting screw, and the new set screw. These will help prevent the regulator from wiggling. (see diagram)
4. Insert a 5/32" allen key through the top of the frame's air tube; use it to tighten the hidden set screw located down inside the bore. Tightening this set screw will seal the frame's internal air coupling against the regulator.

Mainboard installation:

1. Install your original rubber button pad into the frame's foregrip area (re-use your stock screw).
2. Carefully install your main circuit board into the rubber button pad. If needed, loosen or remove the frame's circuit board cover located above the foregrip area, which allows you to easily assemble the extender bridge board. Please avoid bending any of the circuitry as this may cause damage.
3. Install the main circuit board's screw through the back of the foregrip. This screw isn't required, but will help to ensure your board/battery doesn't rattle around while carrying the marker.

Once you have installed the trigger, main circuit board, and regulator, the installation of the remaining components is identical to the stock parts.

1. To install the frame onto the marker body, carefully slide the Mini's air chamber and solenoid down through the top of the frame. Be sure not to snag any wires when pushing the parts together. Once installed in position, use the two original frame screws to attach the frame and body together.
2. Slide the original plastic foregrip body onto the front of the VLX frame; tighten in place using the original socket head cap screws.
3. Reinstall the grips. A new set of grip screws is provided; they provide more clearance for the upper air tube.
4. Once installation is complete, we recommend testing out the marker to ensure everything is functioning properly. Increasing your marker's dwell time may be necessary, depending on your pressure and/or endcap velocity setting. Consult your circuit board's manual for instructions on dwell adjustment.

