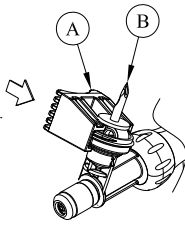
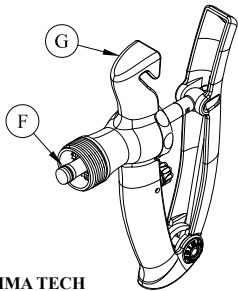


CLEANING INSTRUCTIONS

1.) SPIKE REMOVAL: Remove any attachments from the bottle mount and place the Spike Removal Tool (A) between the bottle mount and the top flange of the spike (B) as shown. Press the tool firmly until the spike "pops" out. Spike and Valve (pictured in step 4) should be washed in hot soapy water then rinsed. Use caution when handling the valve as the rubber seal can easily dislodge and the internal parts be lost.

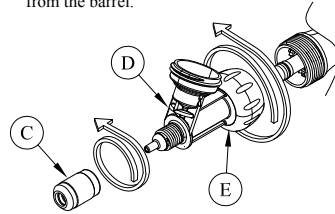


3.) HANDLE CLEANING: At this point the remaining handle assembly (G) should be washed or allowed to soak in hot soapy water, then rinsed and allowed to dry. Before reinstalling the barrel assembly, apply 1 or 2 drops of food-grade lubricant to the piston o-ring (F)

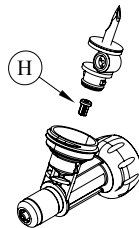


*PRIMA TECH
CLEANING KIT
PART# 341013

2.) BARREL REMOVAL: Unscrew the needle nut (C) from the barrel (D). Next, unscrew the barrel collar (E) to remove the entire barrel from the vaccinator. Wash all the parts in hot, soapy water, then rinse. Use the brush from our optional cleaning kit to remove any remaining contaminants from the barrel.



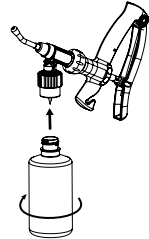
4.) REASSEMBLY: Reinstall the needle nut onto the barrel and reinstall the barrel onto the handle assembly. Next, reinstall the valve (H) if you removed it for cleaning. Last, reinstall the spike.



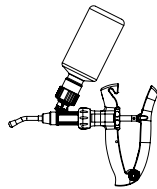
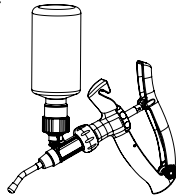
!!CAUTION!! DO NOT OVER TIGHTEN NEEDLE NUT! FINGER TIGHTEN ONLY! OVERTIGHTENING CAN CAUSE BARREL BREAKAGE! DO NOT PLACE ANY PART OF THE VACCINATOR IN A MICROWAVE OVEN OR NEAR A HEAT SOURCE!

PRIMING TECHNIQUES AND TIPS

1 - As stated in the bottle mounting section, ensure that vaccinator with threaded bottle adapter is held upside down while the bottle is held in the upright position. Place bottle adapter onto the bottle and then screw the bottle into the bottle adapter until tight. Ensure the bottle adapter is tightly screwed onto the vaccinator barrel and the bottle. Once confirmed the vaccinator and bottle is now ready to be turned into the application position.



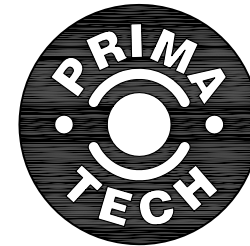
2 - To prime the barrel and remove the air, first angle the vaccinator down so that the bottle is vertical. Then fully squeeze the handle and fully release the handle. This first pump of the vaccinator will draw fluid from the bottle into the barrel.



3 - Next, once you draw fluid into the barrel after the first full stroke, hold the syringe so that the needle points upward. Allow bubble in the barrel to float to the needle end of the barrel and then carefully squeeze the handles to expel the air without pushing the fluid out. Once the air is expelled, hold the handles steady while returning the syringe to the position where the bottle is vertical as shown in step 4.

4 - In the normal use position, gently release the handles so that the barrel will refill with fluid. The barrel should be full of fluid and without air at this point. If an air bubble remains, repeat the process.

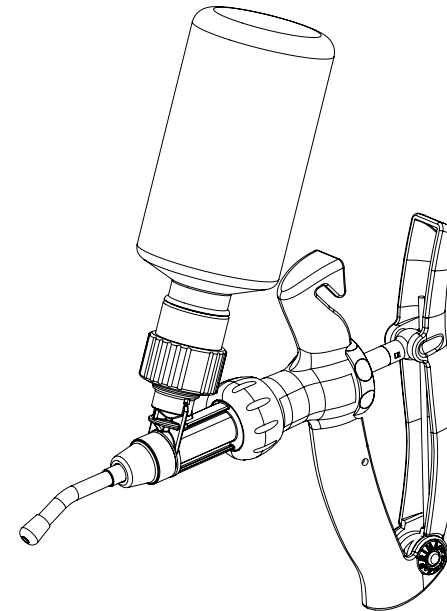
Prima Tech instruction form #366269-A
English 4-2015



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www.neogen.com

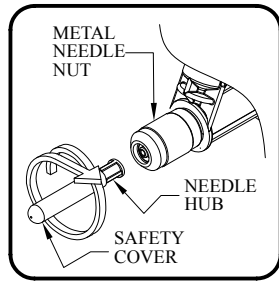
INSTRUCTION MANUAL

With Threaded Bottle Collar
(BOTTLE MOUNT VACCINATOR)



English 4-2015

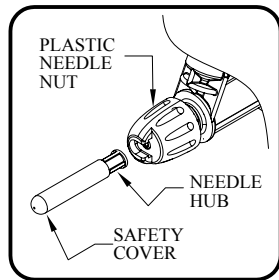
INSTRUCTIONS FOR USE



TO FIT NEEDLE WITH METAL LEUR NEEDLE NUT:

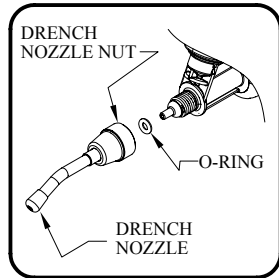
*Some units are equipped with a plastic "T"-slot type needle nut. If your vaccinator has this type of needle nut, please use the instructions under the next section.

- 1.) For safety, leave protective cover on needle until ready to prime vaccinator.
- 2.) Make sure metal needle nut is finger tight. **DO NOT TIGHTEN WITH PLIERS OR OTHER TOOLS. THIS CAN CAUSE BARREL BREAKAGE.**
- 3.) Push needle hub into needle nut and twist clockwise until needle locks in place. Remove safety cover when ready to prime vaccinator by continuing to twist clockwise. The safety cover will twist off, exposing the needle. (**KEEP COVER FOR NEEDLE REMOVAL.**)
- 4.) To remove needle. Replace safety cover onto needle and twist counter-clockwise. Needle will twist out. Discard needle in bio-safe container. **DO NOT REMOVE NEEDLE NUT TO REMOVE NEEDLE. THE NEEDLE NUT WILL STAY IN PLACE.**



TO FIT NEEDLE WITH PLASTIC NEEDLE NUT:

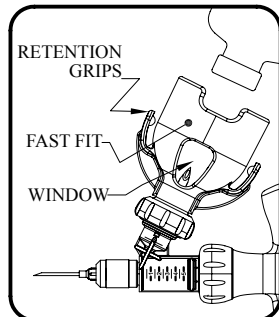
- 1.) For safety leave protective cover on needle until ready to prime vaccinator.
- 2.) Loosen plastic needle nut until nib is below cut-out "T"-slot section as shown.
- 3.) Insert needle base into cut-out "T"-slot section and screw needle nut firmly onto barrel. **DO NOT TIGHTEN WITH PLIERS OR OTHER TOOLS. THIS CAN CAUSE BARREL BREAKAGE.**
- 4.) Remove safety cover when ready to prime vaccinator by twisting safety cover clockwise. The safety cover will twist off, exposing the needle.
- 5.) To remove needle. Replace safety cover onto needle. Partially unscrew needle nut until needle can be removed. Discard needle in bio-safe container.



TO ASSEMBLE/CLEAN DRENCHER NOZZLE:

* Some vaccinating units are equipped with a removable nozzle for drenching applications. These units are not supplied with a needle nut, but a drench nozzle only. If your unit is so equipped, please use the cleaning and assembly instructions below.

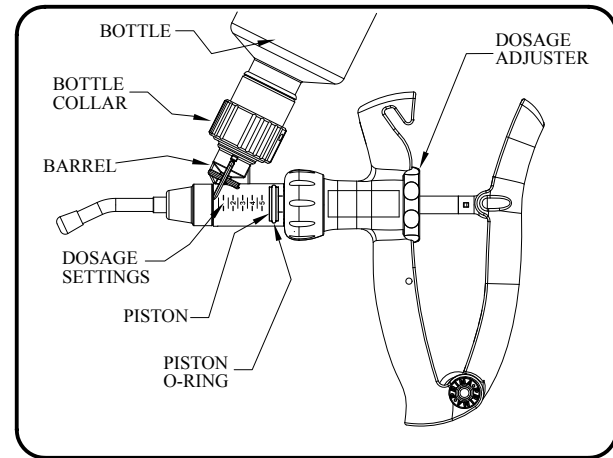
- 1.) To remove the drencher for cleaning, unscrew the drench nozzle nut from the barrel.
- 2.) Inside, you will find a small o-ring. The o-ring should stay in place, but can fall out. Take care not to lose the o-ring.
- 3.) After cleaning with hot soapy water & rinsing, apply a small drop of food-grade lubricant (provided in the Prima Tech cleaning kit) to the o-ring to prevent dry rot and keep it in place.
- 4.) Make sure o-ring is in place and screw the drench nozzle nut back onto the vaccinator. **HAND-TIGHTEN ONLY. DO NOT TIGHTEN WITH PLIERS OR OTHER TOOLS. THIS CAN CAUSE BARREL BREAKAGE.**



TO OPERATE FAST FIT BOTTLE MOUNT:

* Some vaccinating units are equipped with a fast-fit bottle adapter. There are 3 sizes of fast-fit adapters. There is a fast fit adapter for 100ml/20mm bottles, 250ml/30mm and another for 250ml/33mm bottles. If your unit is so equipped, please use the bottle changing. Instructions below.

- 1.) **TO ATTACH BOTTLE:**
 - A.) After piercing rubber stopper, hold bottle at base in one hand and hold vaccinator with the other.
 - B.) Looking through the fast fit window, align pierced rubber stopper with vaccinator draw spike and press firmly together. ***DO NOT TWIST BOTTLE!***
- 2.) **TO REMOVE BOTTLE:**
 - A.) Using the thumb and forefinger of one hand, squeeze the retention grips firmly together.
 - B.) Using the other hand, grasp the bottle by the bottom and pull firmly out of the fast fit.



TO ATTACH A THREADED BOTTLE ADAPTER:

- 1.) Completely screw the bottle adapter onto barrel.
- 2.) Invert the vaccinator, hold the threaded bottle upright to prevent leaking, and insert the bottle into the open end of the threaded bottle adapter.
- 3.) Hold firmly onto vaccinator and screw the bottle tightly into the adapter.

TO PRIME VACCINATOR:

- 1.) Remove protective cover from needle.
- 2.) Align front of piston with the line of the largest dose setting. ***NOTE: SOME VACCINATORS ARE FIXED-DOSE ONLY. THIS MEANS THAT THE DOSE SETTING CANNOT BE ADJUSTED (EVEN THOUGH THE ADJUSTER WILL TURN). ADJUSTABLE DOSE VACCINATORS WILL HAVE GRADUATED DOSAGE SETTINGS PRINTED ON THE BARREL AS SHOWN. FIXED, NON-ADJUSTABLE VACCINATORS WILL HAVE BARRELS PRINTED WITH ONE DOSE SETTING ONLY, WHICH REPRESENTS THE DOSAGE TO WHICH THE VACCINATOR IS FIXED. IF YOU ARE USING A FIXED-DOSE VACCINATOR SKIP THIS STEP AND GO TO STEP #3.**
- 3.) Angle the vaccinator down so the bottle is vertical, then fully squeeze the handle and fully release the handle. This first pump of the vaccinator will draw fluid from the bottle into the barrel.
- 4.) Next, hold the vaccinator so that the needle points upward allowing the bubble in the barrel to float to the needle end. Carefully squeeze the handles to expel the air without pushing the fluid out. Once the air is expelled, hold the handles steady and return the bottle to the normal use position.
- 5.) Once the vaccinator is in the normal use position, gently release the handles to refill the barrel. The barrel should be full of fluid and without air. If not, repeat the process.

TO SET DOSAGE:

Align front of piston with the line of the largest dose setting using the dose adjuster. ***NOTE: SOME VACCINATORS ARE FIXED-DOSE ONLY. THIS MEANS THAT THE DOSE SETTING CANNOT BE ADJUSTED (EVEN THOUGH THE ADJUSTER WILL TURN). ADJUSTABLE DOSE VACCINATORS WILL HAVE GRADUATED DOSAGE SETTINGS PRINTED ON THE BARREL AS SHOWN. FIXED, NON-ADJUSTABLE VACCINATORS WILL HAVE BARRELS PRINTED WITH ONE DOSE SETTING ONLY, WHICH REPRESENTS THE DOSAGE TO WHICH THE VACCINATOR IS FIXED.**

TO ADJUST HANDLE SPRING TENSION:

*Some vaccinators are equipped with a handle spring tension adjuster as shown. If your unit is not so equipped, the handle spring tension cannot be adjusted. If so, follow these instruction for adjusting the handle spring tension.

- 1.) To increase handle spring tension, turn the knob clockwise.
- 2.) To reduce handle spring tension, turn the knob counter-clockwise until tension is relieved.

LUBRICATION:

If vaccinator becomes sluggish, clean thoroughly using the cleaning instructions on back. You may not need to disassemble the spike assembly. However, you will need to remove the barrel assembly, clean and apply a couple of drops of Prima Tech lubricant to the piston o-ring. Many times, product failure is due to insufficient cleaning (dried vaccine in valves, bung material caught in draw spike, etc.). For complete cleaning instructions, please see back panel.