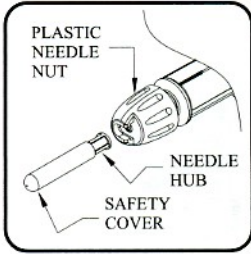




TO FIT NEEDLE WITH BRASS LEUR NEEDLE NUT:

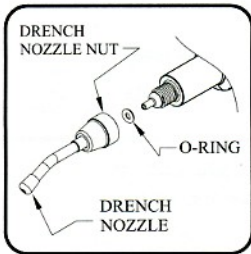
*Some units are equipped with a plastic "T"-slot type needle nut. If your vaccinator has this type of needle nut, please use the instructions under the next section.

- 1.) For safety, leave protective cover on needle until ready to prime vaccinator.
- 2.) Make sure brass 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:

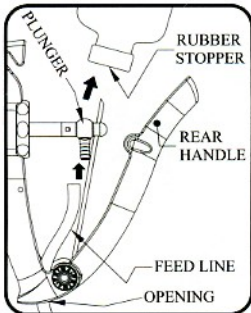
- 1.) For safety leave protective cover on needle until ready to prime vaccinator.
- 2.) Loosen plastic needle nut until nib is below cut-out "T"-slot section as shown.
- 3.) Insert needle base into cut-out "T"-slot section and screw needle nut firmly onto barrel. **DO NOT TIGHTEN WITH PLIERS OR OTHER 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.**



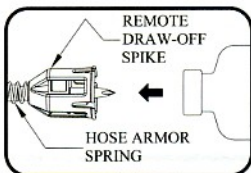
TO PUNCTURE RUBBER STOPPER (BUNG):

*Before attaching bottle to draw-off spike, the rubber stopper can be punctured by using the handle spring puncturing feature. It is recommended that the puncturing tip be sterilized with alcohol first.

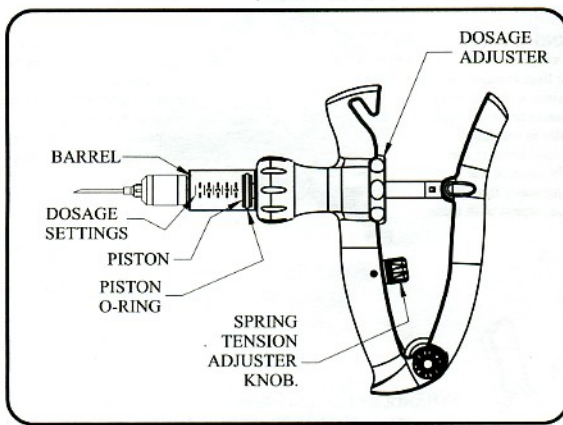
- 1.) Open the rear handle of the vaccinator to expose the handle spring as shown.
- 2.) While open, attach the feed line (tubing) to the plunger barb by first pushing the feedline through the opening in the bottom of the vaccinator handle.
- 2.) Remove the tear-off cap from the bottle, exposing the rubber stopper.
- 3.) The handle spring end is angled. Push firmly into the rubber stopper until it punctures.
- 4.) Close the rear vaccinator handle and press firmly until it snaps back onto the plunger.

TO ATTACH BOTTLE:

* There are 3 sizes of draw-off spikes. There is a draw-off for 100ml bottles (20mm), another for 250ml bottles (30mm) and a third for bottles with a 33mm cap. Find the size that fits the bottle you are using & attach it to the opposite end of the feed line.



- 1.) TO ATTACH BOTTLE:
 - A.) After piercing rubber stopper, hold bottle at base in one hand. Hold draw-off spike with the other.
 - B.) Align pierced rubber stopper with draw-off spike and press firmly together making sure that the hose-armor spring is pulled up to the draw-off spike. ***DO NOT TWIST BOTTLE!***
- 2.) TO REMOVE BOTTLE:
 - A.) Using the thumb and forefinger of one hand, squeeze the draw-off spike firmly.
 - B.) Using the other hand, grasp the bottle by the bottom and pull firmly out.



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.) Tip vaccinator up at a slight angle, with the needle pointing up. Top of vaccine bottle must be pointed downwards such as when hanging in a VAC-PAC carrier.
- 4.) Squeeze vaccinator handle, then release quickly to draw fluid into the barrel.
- 5.) Remove any air bubbles from the barrel by repeating step 4 being careful not to waste fluid.

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:

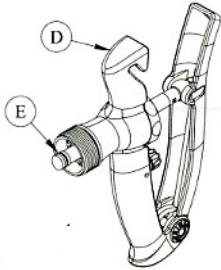
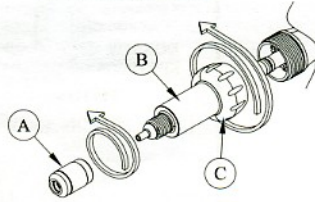
If vaccinator becomes sluggish, clean thoroughly using the cleaning instructions on back. You will need to remove the barrel assembly, clean and apply a couple of drops of Prima Tech lubricant to the piston o-ring. Many times, product failure is due to insufficient cleaning (dried vaccine in valves, bung material caught in draw spike, etc.). For complete cleaning instructions, please see back panel.

CLEANING INSTRUCTIONS

1.) **LINE CLEANING:** Before disassembling the vaccinator for cleaning, clean the line. Partially fill a sink or small container with hot, soapy water. Hold the remote draw-off spike underneath the water in one hand while holding the vaccinator in the other. Continuously squeeze the vaccinator, pumping water through it until clean. To rinse, repeat with clean water.



2.) **BARREL REMOVAL:** Unscrew the needle nut (A) from the barrel (B). Next, unscrew the barrel collar (C) to remove entire barrel from vaccinator. Wash the all parts in hot, soapy water, then rinse. Use the supplied brush to remove any remaining contaminants from barrel.



3.) **HANDLE CLEANING:** Remove the feedline from the vaccinator. At this point, the remaining handle assembly(D) 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 (E).

4.) **REASSEMBLY:** Reinstall the needle (A) nut onto the barrel (B) and resinstall barrel onto handle assembly. Reinstall the barrel and tighten the barrel collar (C) hand-tight.

!!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!

***PRIMA TECH
CLEANING KIT
PART# 341013.***

PrimaTech Auto Syringe/Drencher

How to attach: Bottle (#654405 sold separately) to the PrimaTech Auto Syringe/Drencher.



1. Select appropriate cap attachment for medicine bottle.



2. Slide cap attachment over medicine cap.



3. Insert hose attachment into medicine cap.



4. Thread hose attachment into cap attachment.

