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Vari-Drop™ Applicator Repair Instructions

IMPORTANT: Read Instructions Carefully Before Attempting to Repair the Vari-Drop™ Applicator.

To repair the Applicator, use the following procedure: numbers in parentheses () refer to items on drawing which appears on reverse side.

Turn the Product Reservoir "off" and release all of the pressure within the tank by depressing the toggle valve on the reservoir cover. Raise the Vari-Drop™ Applicator above the reservoir with the needle in the vertical up position.

Loosen the nut on the back of the applicator and allow the product to drain out of the applicator and feedline.

Unscrew the nut from the applicator and remove the feedline.

To disassemble applicator, remove six screws (8) holding the housings (2) together.

CAUTION: A spring under tension inside the Applicator will spread the housings apart.

Tie the applicator together with elastic bands, one on front and another on the back end. Remove the two front screws, the middle two screws, and last, the back two screws using a Phillips Head screwdriver.

Remove elastic bands and separate housings. Remove pinch tube assembly and lever (5) from housing.

Remove plastic fittings (3 and 4) and spring (1) from the pinch tube (6) and discard the pinch tube.

Wash all parts in methylene chloride solvent or Loctite® Equipment Flushing Solvent #12121. If plastic fittings are to be reused, make sure the 1/16 inch (1.6 mm) diameter holes in the fittings are not plugged with adhesive.

To reassemble applicator, install a new pinch tube (6) on feedline adapter fitting (4) making sure the Teflon® inner pinch tube is pushed over the two rings on the adapter. **Note:** It will be easier to install the fittings if the ends of the Teflon® inner tube are enlarged slightly with a pencil or other tapered device.

Install spring (1) over pinch tube (6) with the closed end facing the feedline connector (4). The pinch tube must pass through the hole in the spring.

Install needle adapter fitting (3) on pinch tube (6) and install luer-lok sleeve (9). Make sure the Teflon® inner tube is pushed over the two rings on the adapter.

Place pinch tube/spring/fitting assembly into lower housing and align the spring and fittings on the pinch tube. Note, the pinch tube should be centered on the width of the spring at the pinch point.

Install upper housing and slide lever over the front end of this housing.

Position the tabs on the lever between the pinch points of the spring and the pivot holes in housing.

Tie the applicator together with elastic bands and check free motion of the lever.

Install the two front screws, the middle two screws, and back two screws and remove elastic bands.

Apply a liberal amount of silicone grease to the threads on the applicator and secure the feedline with the nut.

The applicator is now ready for use. Turn on the reservoir pressure and check to make sure that there is no product leakage at the feedline connection or in the applicator.

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