





IMPORTANT

QUICK REFERENCE TROUBLESHOOTING GUIDE

SYMPTOM	PROBABLE CAUSE	CORRECTIVE ACTION
3. Air is being drawn into the cylinder from in and around the piston.	Foreign matter lodged on or around piston o-ring.	 <p>Replace piston o-ring (4) and lubricate liberally.</p>
	Delivery valve and spring incorrectly assembled.	 <p>Reassemble valve (18) and spring (17) correctly (see parts illustration).</p>
	Dip tube perforated/damaged.	Replace the dip tube.
	Dip tube connection is split or damaged.	Replace container fitting or inlet adaptor to ensure an air tight seal. Cut dip tube for clean ends.
4. Piston not returning fully on filling stroke.	Piston o-ring and lubricating washer are dry.	 <p>Remove pushrod assembly (6,7,8,9,10), from handle. Slide pushrod out of cylinder. Soak piston o-ring (4) and lubricating washer (5) in NJ Phillips Lubricant. Reassemble.</p>
	Blockage in inlet line.	Check inlet valve (26) and spring (25), inlet fitting (29), dip tube and container draw off fitting for foreign matter.
	Kinking or restriction of dip tube.	Remove restriction or reposition dip tube.
	Binding of push rod within dose adjuster assembly caused by foreign matter lodged between sliding surfaces.	Dismantle push rod (6) from instrument and rinse it and dose adjuster assembly with clean water. Inspect for damage. If damaged, replace affected part.
5. Hard delivery stroke pressure	Foreign matter in delivery valve spring or blockage in nozzle.	 <p>Remove nozzle (11). Clean delivery valve & spring and nozzle fluid hole. Reassemble.</p>

12.5ml Variable Multidoser



This applicator is intended for use in administration of Liquid Products to horses and no responsibility will be accepted by the manufacturer if it is used for any other purpose or if it is used to administer any compound other than Liquid Products to horses.

BEFORE DRENCHING

Always read the label.

Check the label on the pharmaceutical manufacturer's container for dose rates, precautions, and safety information prior to use.

Use only the recommended dose rate.

Use only the pharmaceutical manufacturer's recommended rates. Refer to the pharmaceutical manufacturer's dose rate chart or specification. NJ Phillips Pty Limited will take no responsibility if the applicator is used for any other purpose than specified or used contrary to the pharmaceutical manufacturer's dose rate specifications.

Check the applicator.

Before each use, the nozzle should be inspected to ensure there are no sharp edges. Should this occur, remove with file or emery paper or replace nozzle.

INSTRUCTIONS FOR USE

1. Attach bottle to receptacle cap with suction tube extending to bottom of the bottle. Hold the cap when attaching the bottle to prevent it from turning.
2. Set the required dose by turning the knurled adjuster (item 10) at the rear of the handle until the front edge of the piston (item 6) registers with the desired dose graduation on the cylinder.
3. To prime the applicator for use, pump the lever (item 34) until all air is expelled from the cylinder.



Prime in horizontal position.



Always exercise care when dosing animals. Do not apply undue pressure and ensure the nozzle is not forced against or through delicate mouth and throat tissues.



Care must be taken to ensure the liquid does not come into contact with any part of the operators body. Chemicals may cause injury to the operator.

Calibration of the applicator.

As the graduation markings on the cylinder are for reference only, check the accuracy of the instrument with a calibrated measuring glass. To ensure repeatability, squirt 5 x 5ml doses into a calibrated glass. The level of fluid should be at the 25ml mark. If it is not, readjust the applicator following the steps above then perform the dose test again. If you have problems with dose accuracy contact the manufacturer or place of purchase.

CARE AND MAINTENANCE

Before Use

Before each use, the nozzle should be inspected to ensure plating is not damaged or worn to a sharp edge. Should this occur, remove with file or emery paper or replace nozzle.

Since lubricants may evaporate during storage. It is advisable to apply NJ Phillips Lubricant to the lubricating washer at the rear of the piston.

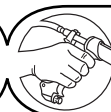
After Use

1. Flush the applicator thoroughly with a mixture of warm water and detergent.
2. Thoroughly flush again with clean water until all detergent has been removed.
3. Lubricate the applicator by drawing a small quantity of NJ Phillips Lubricant through the inlet suction tube.



If this instrument becomes sluggish during use, lubricate both in front of and behind the piston with NJ Phillips Lubricant.

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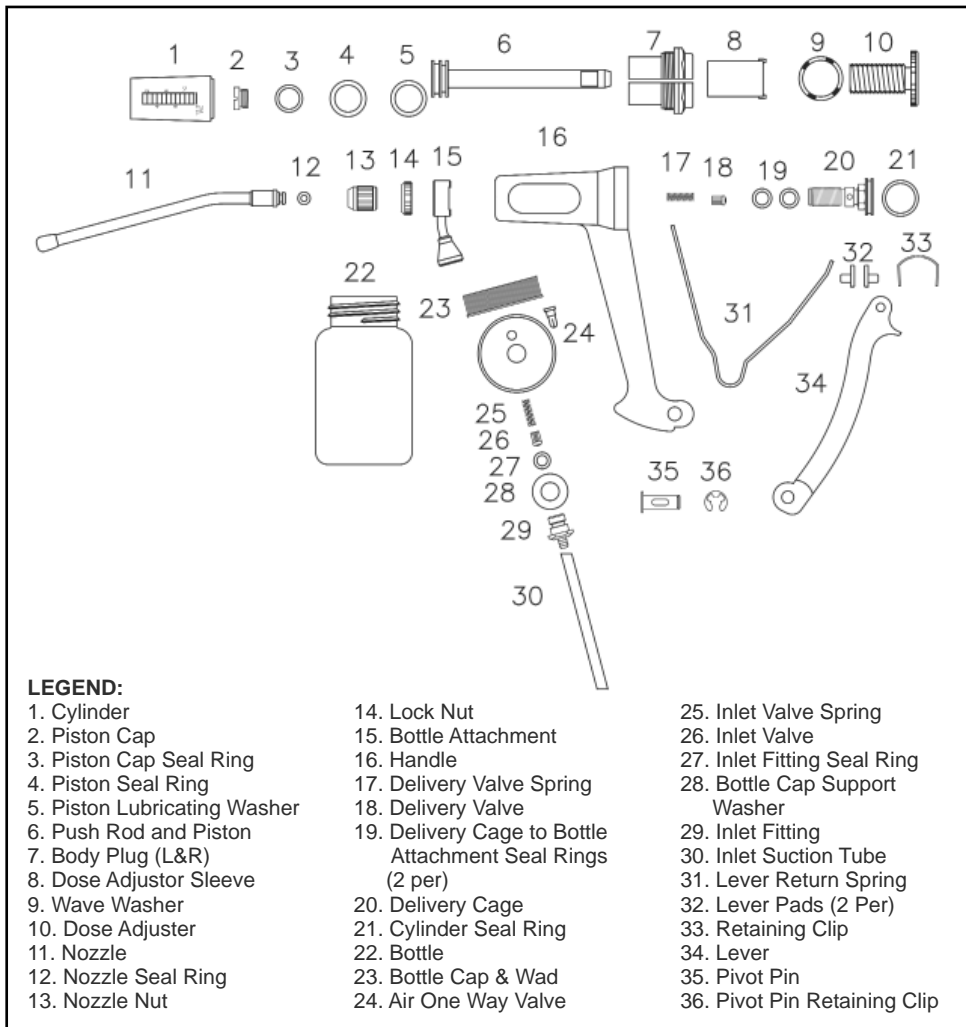


njphillips.com

Our expertise is in your hands.

AS OUR POLICY IS ONE OF CONTINUOUS IMPROVEMENT THE MANUFACTURER RESERVES THE RIGHT TO ALTER THESE SPECIFICATIONS AT ANY TIME. ALL PRODUCTS PRODUCED BY NJ PHILLIPS PTY LIMITED, ARE IDENTIFIED BY A UNIQUE BATCH NUMBER. THIS IDENTIFICATION NUMBER IS AFFIXED TO THE PRODUCT TO ALLOW TRACEABILITY BY THE MANUFACTURER AND MUST NOT BE REMOVED IF PRODUCT INTEGRITY IS TO BE MAINTAINED.

PAD1027 | QL545-R4










PLEASE ORDER BY KIT AND PART NAME.

SPARE PARTS AVAILABLE:

<u>KIT No.</u>	<u>PART NAME</u>	<u>INCLUDES ILLUSTRATION No.</u>
WX981	Service Kit	1,3,4,5,12,17,18,19,21,24,25,26,27.
WX975	Push Rod Assembly	2,3,4,5,6.
WX328	Dose Adjustor Assembly	7,8,9,10.
WX976	Nozzle Assembly	11,12.
WX977	Bottle Assembly	22,23,24.
WX978	Bottle Attachment Assembly	15,25,26,27,28,29,30.
WX979	Delivery Cage Assembly	13,14,17,18,19,20,21.
WX980	Handle Assembly	16,31,32,33,34,35.

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SYMPTOM	PROBABLE CAUSE	CORRECTIVE ACTION
1a. Product being returned to the bottle from the applicator. 1b. Unable to draw product from the bottle.	Foreign matter lodged under the inlet valve.	 <p>Remove inlet fitting (29) and clean the internal seat by removing valve (26) and spring (25), rinse with clean water then wipe with a soft cloth. Reassemble ensuring correct orientation of the valve (26) and spring (25).</p>
	Inlet valve spring is missing.	 <p>Replace inlet valve spring (25).</p>
	The inlet valve and spring are incorrectly assembled.	 <p>Reassemble the valve (26) and spring (25) correctly (as shown in the top photo).</p>
2. Product leaking out of the nozzle or air being drawn into the cylinder from the nozzle end.	Foreign matter lodged under delivery valve.	 <p>Remove nozzle (11), valve (18) and spring (17). Clean valve seat located in front of cylinder by rinsing and wiping with a soft cloth. Clean valve (18) and spring (17) and reassemble ensuring valve and spring are oriented correctly.</p>
	Nozzle seal ring is damaged.	 <p>Replace nozzle seal ring (12).</p>
	Delivery valve and spring are incorrectly assembled.	 <p>Reassemble valve (18) and spring (17) correctly (see parts illustration).</p>
	Delivery valve sealing edge damaged.	 <p>Replace the delivery valve (18) and spring (17).</p>
	Delivery cage seal ring damaged.	<p>Replace the delivery cage seal ring (19).</p>