

SERVICE INSTRUCTION

79870-00 TEST AND MAINTENANCE KIT FOR VECTOR SOLO 79900

The parts contained in the 79870-00 Test and Maintenance Kit includes:

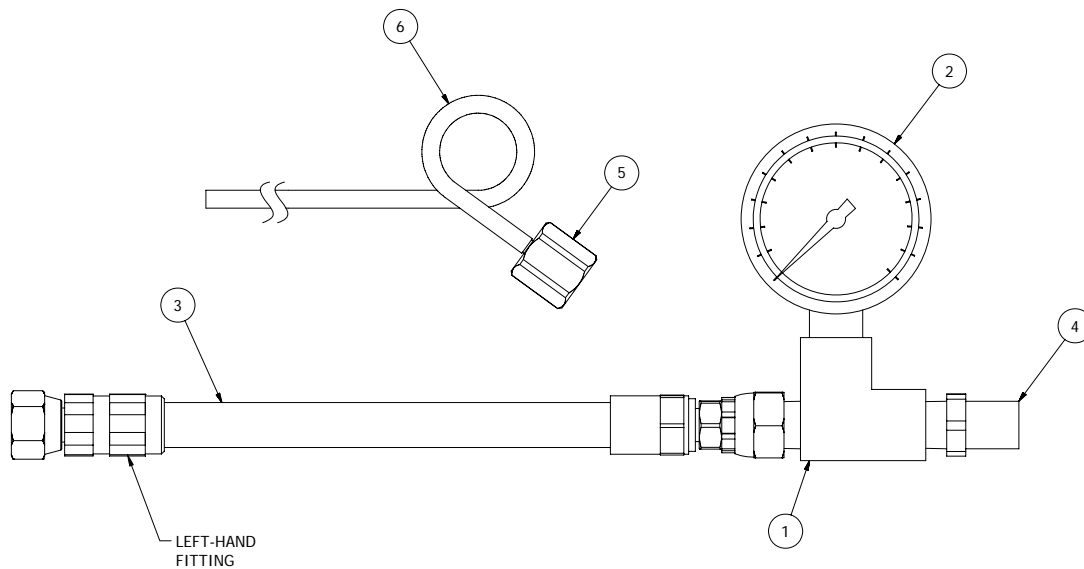


Figure 1: 79870 Test and Maintenance Kit

79870 TEST AND MAINTENANCE KIT	
Item#	Description
1	Brass Tee Fitting
2	100 psi Pressure Gauge
3	6" Air Hose Assembly
4	Left Hand Male Fitting
5	Barb Fitting
6	Tubing

The 79870 Test and Maintenance Kit allows the user to determine the inlet pressure at the base (handle) of the Vector Solo 79900 series hand-held applicators. The 79870 Test and Maintenance Kit also allows the user to test the 79835 Power Module Assembly on the Vector Solo 79900 applicator.

The procedure to test the inlet pressure at the base (handle) of the Vector Solo applicator is as follows (see Figures 1 and 2):

1. Connect the left-hand fitting of the 79727 Air Hose to the left-hand male fitting [4] of the 79870 Test and Maintenance Kit.
2. Connect the right-hand fitting of the 6" air hose assembly [3] to the brass tee fitting [1].
3. Connect the left-hand fitting of the 6" air hose assembly [3] to the air inlet fitting on the 79900 Vecto Solo applicator.
4. Connect the user's 79727 Air Hose to inlet air.
5. Turn on main air. Trigger the applicator with kV switch on high (down position). Read the pressure at the 100 psi pressure gauge [2] in the 79870 Test and Maintenance Kit. This pressure should be 40 psi with air flowing for proper functioning of the 79900 Vector Solo applicator.

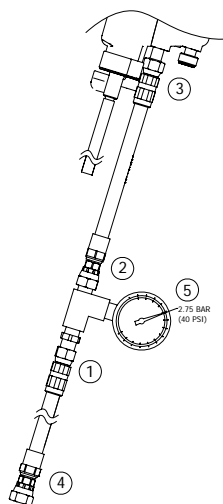


Figure 2: Testing the Pressure at the Base (Handle) of the Applicator

The procedure to test the 79835 Power Module Assembly on the Vector Solo 79900 applicator is as follows:

1. Remove the 79835 Power Module Assembly from the handle.

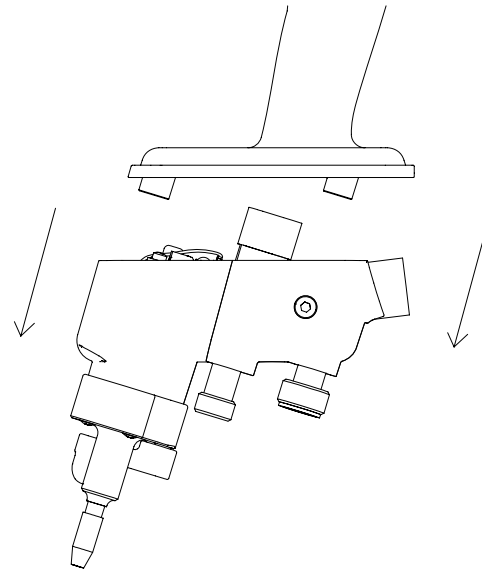


Figure 3: Remove Power Module from Handle

2. Connect the barb fitting [5] to the brass tee fitting [1]. Place the tubing [6] on the end of the barb fitting.

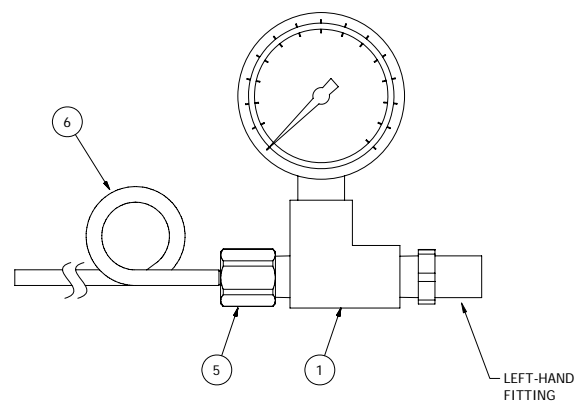


Figure 4: Connect Barb and Tubing to Tee Fitting

3. Connect the left-hand fitting of the 79727 Air Hose to the left-hand male fitting [4] of the 79870 Test and Maintenance Kit.
4. Insert the tubing [6] into the smaller diameter hole in the top of the air fitting in the power module.

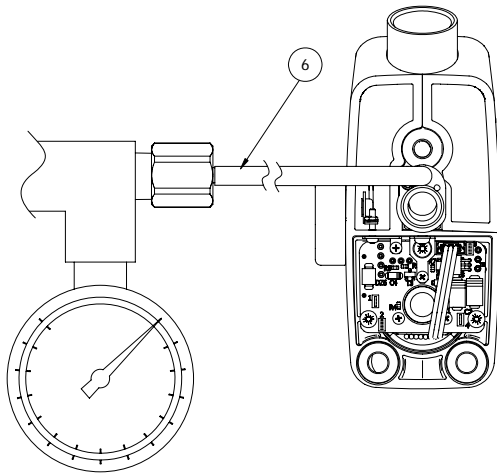


Figure 6: Connect Tubing to the Air Fitting

5. Connect a wire from test point 2 (on the PC board in the power module) to a true earth ground.
6. Connect a digital multi-meter to test points 1 and 2.

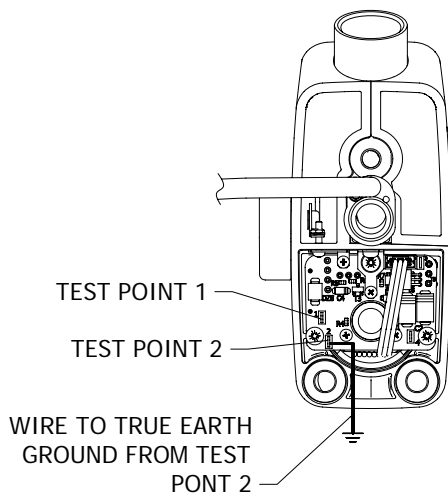


Figure 7: Connect the PC Board to a Digital Multi-Meter and True Earth Ground

7. Connect the 79727 Air Hose to main air.
8. Turn on main air and set the pressure so the pressure gauge [2] in the 79870 Test and Maintenance Kit reads 25 psi (1.7 bar). The voltage kV setpoint lever should be in the high voltage position (down). The digital multi-meter should read approximately 15V DC.

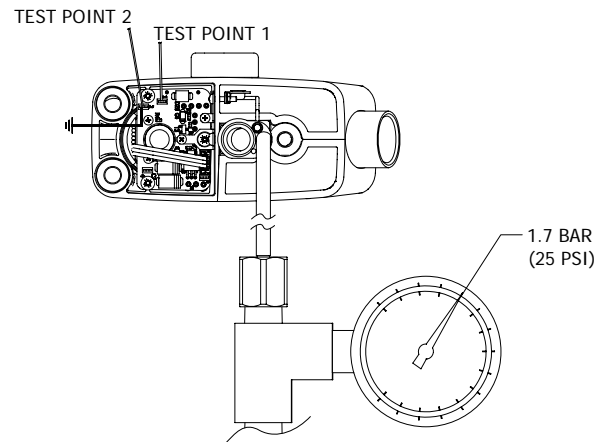


Figure 8: Set Pressure Gauge to 25 psi

Manufacturing

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Technical Support Representative will direct you to the appropriate telephone number for ordering Spare Parts.

