HAMILTON AIR
3143 Production Drive●Fairfeild, Ohio 45014●513-874-3733

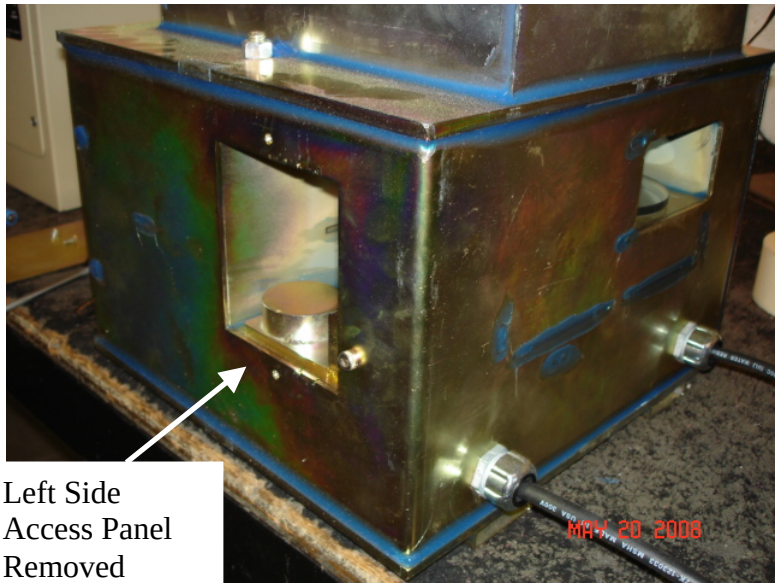
Model **HA-47**

Turbine differential valve replacement kit

B6879

Installation Instructions

B6879 = HA47 Turbine differential valve replacement kit that replaces the upper differential valve disc and weighted valve assembly. This kit corrects possible issues with poor or varying performance when sending carrier from teller station. The symptoms might include the turbine unit running in the pressure mode instead of vacuum mode when in teller send operation. This kit can be added to all HA47 units.

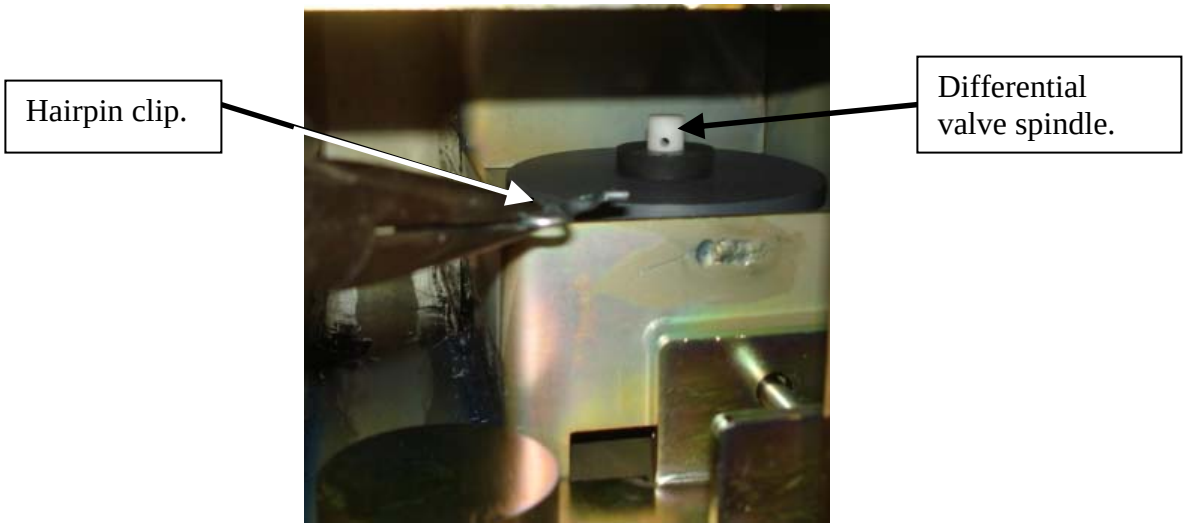


Left Side Access Panel Removed

Step#1 Remove turbine assembly from customer unit.

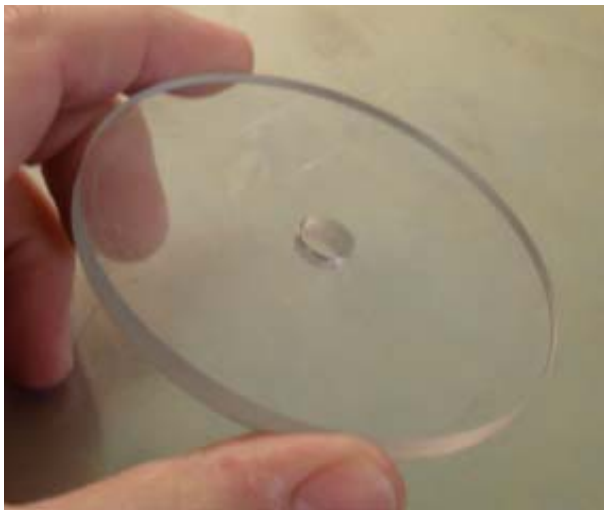
Step#2 Remove left side access panel from turbine assembly held on by two Phillips head screws. Note turbine assembly above is shown with access panel removed.

Step#3 Remove hairpin clip located on top of differential valve spindle.

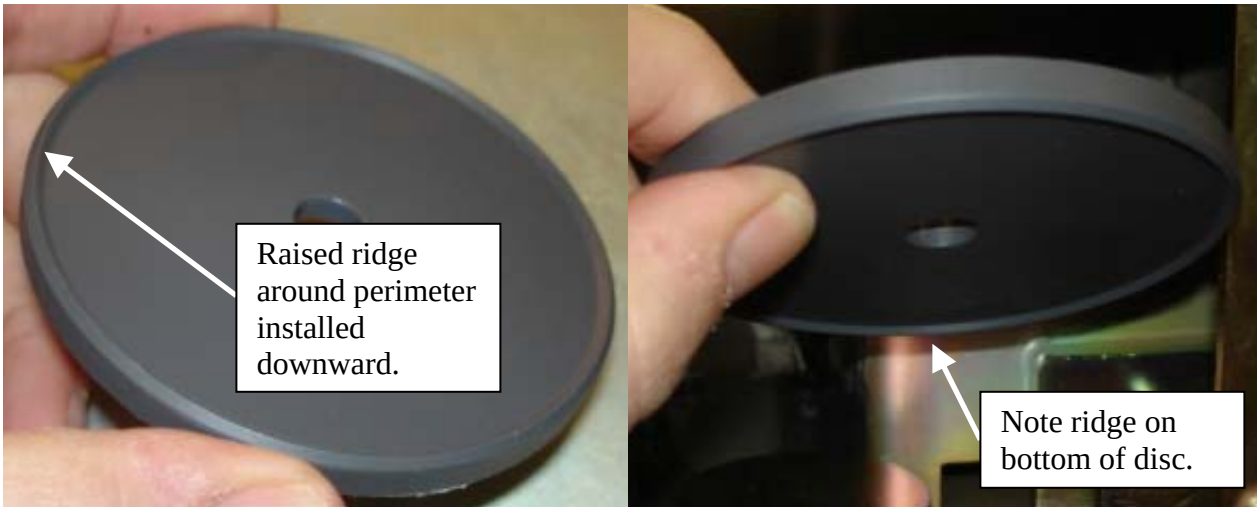


Step#4 Remove rubber washer from differential valve spindle.

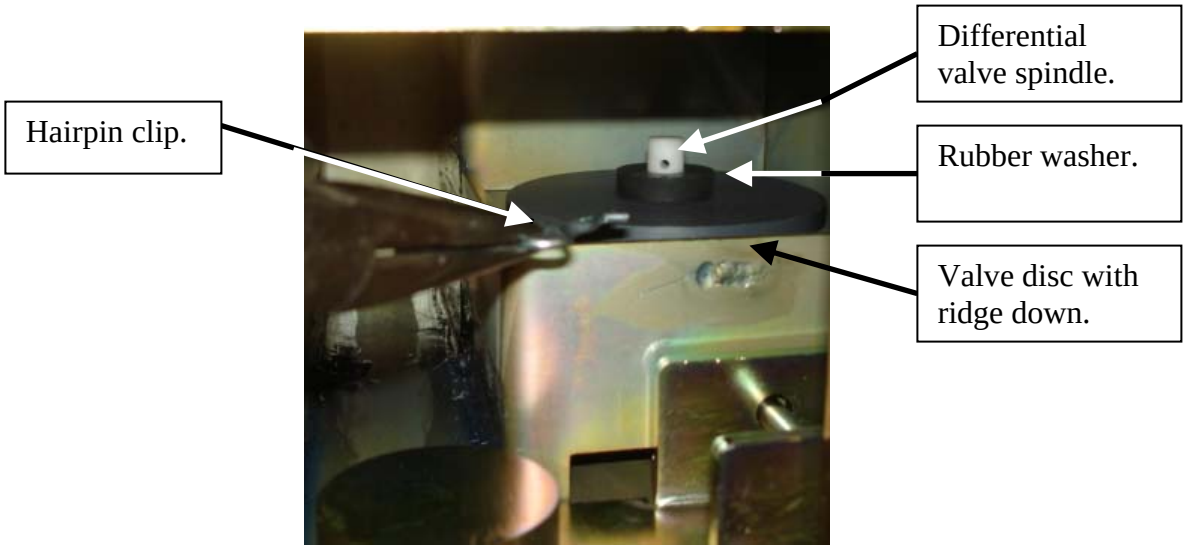
Step#5 Remove clear differential valve disc from spindle.



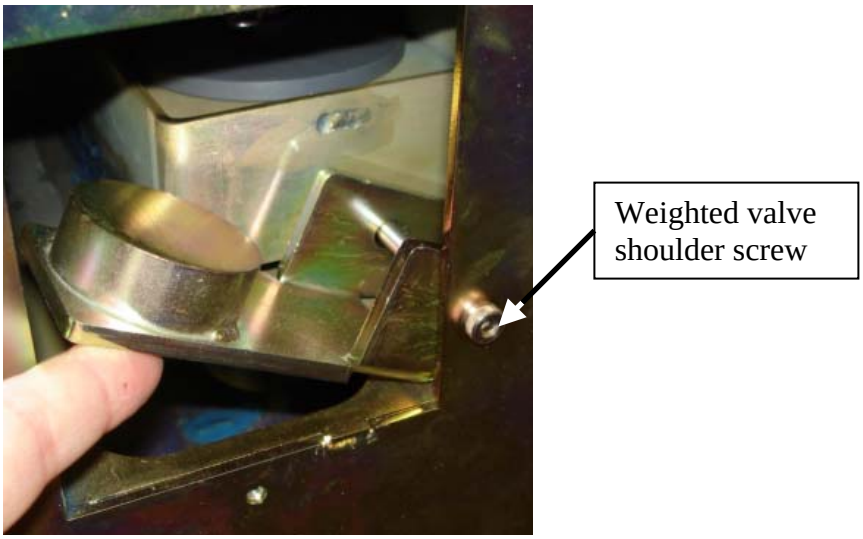
Step#6 Install new gray differential valve disc onto spindle. Notice new disc has a raised ridge around perimeter, only on one side. Note that this ridge will be facing downward when installed.



Step#7 Install rubber washer and hairpin clip, as removed in previous steps.



Step#8 A new turbine valve weighted assembly is also sent with this kit. Previous beliefs were to add weight to this valve trying to help with turbine vacuum shifting. Replace this valve with new one supplied by removing shoulder screw. Check operation of this valve to ensure that it does not stick or bind when opened or closed. It should lay flat when closed.



Note: Some previous turbines may have a stainless steel plate that is trapped behind this weighted valve installed from the factory. This plate can remain in turbine or be removed. Make sure that this plate does not cause the valve to stick or bind in its operation.

Step#9 Install cover plate with two Phillips screws previously removed. Seal cover plate with a good quality RTV silicone adhesive sealant. This should be allowed to properly cure before operating turbine.

Step#10 Install turbine assembly into HA47 customer unit and test operation.