



## HPV Liner Replacement Kit Assembly Instructions (600025)

### HPV Liner Replacement Kit

#### Contents of Liner Replacement Kit

1. Instructions (600703)
2. Liner (600175)
3. Hardware Bag (600511)

#### Includes:

- (10) Flanged Hex Bolts, 5/16-18 X 1" Lg (720592)
- (10) Washer, Flat, 5/16, USS (720511)
- (10) Nut, Nylock, 5/16-18 (114C)
- (1) Fan bolt (910518)
- (1) Key (915)
- (1) Loctite 242 -0.5 mL (720438)

### Tools Required

1. ½" socket wrench w/ 4" extension
2. ½" box wrench
3. 9/16" impact socket w/ impact driver
4. ¾-16 Pressure Screw (p/n 910505)
5. 1-1/8" impact socket w/ impact wrench

**Liner Kit illustration is available on  
the back of these instructions.**

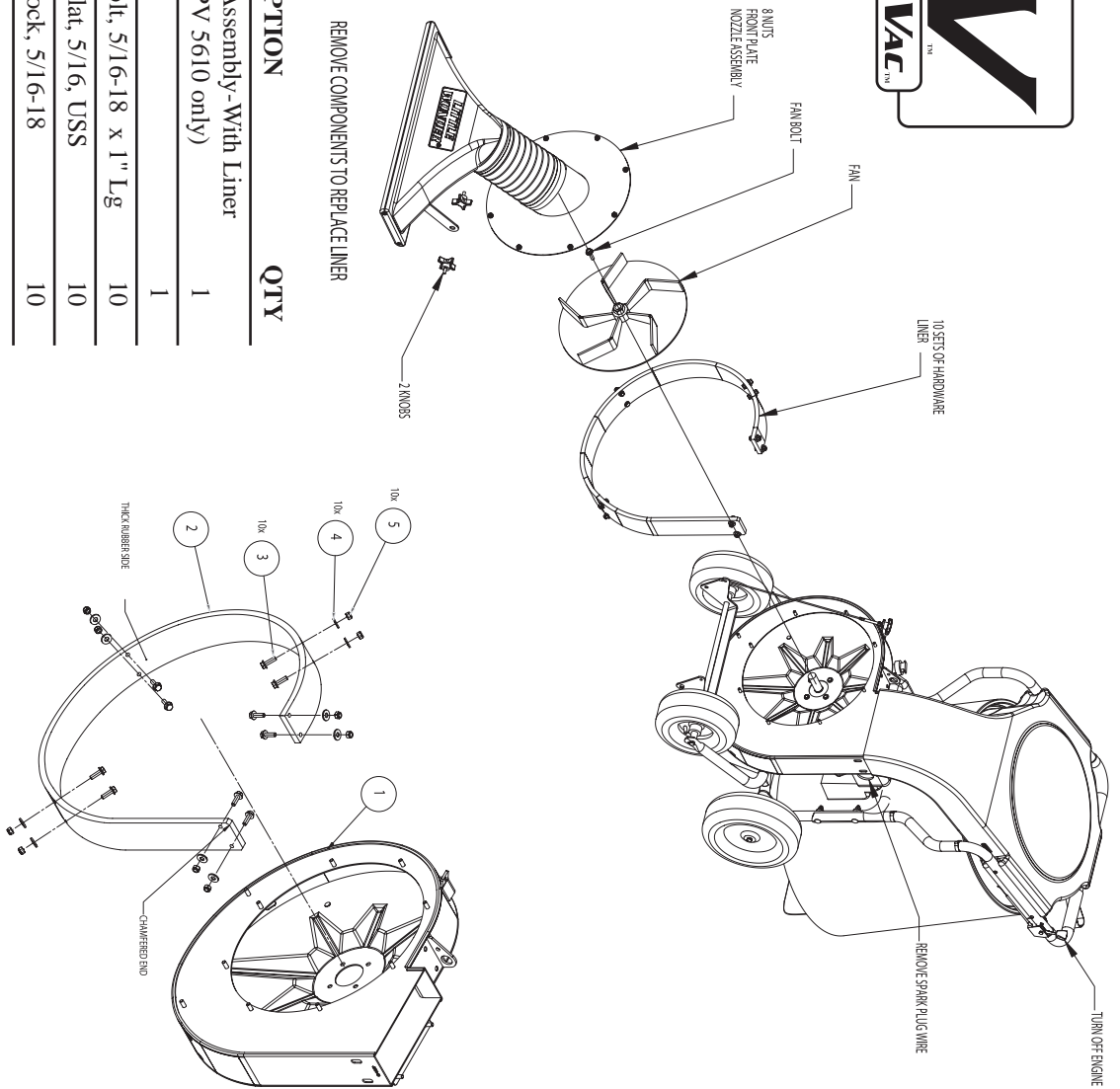
### Assembly Instructions

1. Turn engine off and disconnect the spark plug wire
2. Remove the nozzle assembly and front plate by removing 2 knobs (600152) and 8 nuts (114B)
3. Remove the fan bolt (910518)
4. Remove the fan (600114) using a ¾-16 x 5" lg. grade 5 hex bolt (Little Wonder P/N 910505 "pressure screw" is recommended) to push the fan off the crankshaft.
5. Remove 10 sets of hardware from the old liner and remove the liner from the housing.
6. Clean out any debris from inside the housing.
7. Install the new liner by first pressing 10 new bolts (720592) through the holes on the thick rubber side of the liner.
8. Install the new liner so that the thick rubber layer is facing inward. Align the bolts with the holes/slots in the housing starting with the holes at the top. Press the liner into the housing and secure with washers (720511) and lock nuts (114C). Tighten hardware such that the head of the bolt sits flush with the contour of the rubber liner and 3 or 4 threads are exposed from the end of the nut.
9. Inspect fan for damage and replace or reinstall the fan (check to make sure the hub key (915) is installed).
10. Replace the fan bolt (910518), **apply Loctite 242** (720438), provided, to the bolt threads. Torque bolt to 43 Ft-lbs
11. Reinstall the front plate, nozzle assembly, and spark plug wire.

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KEY NO.	PART NO.	DESCRIPTION	QTY
1	600148	Housing Assembly-With Liner Holes (HPV 5610 only)	1
2	600175	Liner	1
3	720592	Flange Bolt, 5/16-18 x 1" Lg	10
4	720511	Washer, Flat, 5/16, USS	10
5	114C	Nuts, Nylock, 5/16-18	10

REMOVE COMPONENTS TO REPLACE LINER



**▲ WARNING ▲ DANGER ▲**  
 DO NOT VACUUM WATER OR EXCESSIVELY WET MATERIAL, THIS MAY DAMAGE EQUIPMENT.

**▲ WARNING ▲ DANGER ▲**  
 DO NOT VACUUM LARGE OR HARD OBJECTS. DO NOT FORCE ANYTHING INTO VACUUM.

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