

Venturi Insert Installation Guide

Form Venturi Insert IG 4-19

This installation guide details the installation of a venturi insert in an Impco 600 carburetor. Depicted is a single carburetor, but installation is the same with a dual carburetor.



STEP 1 REMOVE AIR HORN AND AIR-GAS VALVE ASSEMBLY.

Remove and replace gaskets if damaged. Do not remove silver seat.



Figure 1: Air horn and air-gas valve assembly have been removed.

STEP 2: DISASSEMBLE THE AIR-GAS VALVE.

The body (Figure 2) will be used in the new installation. The rest of the air- gas valve assembly (Figure 3) is no longer needed.



Figure 2: Body to be reused.



Figure 3: Parts that are no longer needed.

STEP 3: TWO CENTER SECTIONS

Two center sections (Figure 4) come with the new venturi insert. The larger center section is used for Varifuel carburetors. Put the o-rings on the correct center section for the carburetor and apply a small amount of Parker O Lube. Insert the center section in the body as shown in Figure 5.



Figure 4: Center sections.

NOTE: IF IT IS NOT KNOWN IF THE CARBURETOR IS A VARIFUEL MODEL OR NOT, BEGIN BY USING THE SHORTER CENTER SECTION. AFTER BEING INSERTED TO THE BODY, PLACE THE BODY BACK ON THE ENGINE. IF THE CENTER SECTION DOES NOT TOUCH THE SILVER SEAT SHOWN IN FIGURE 1, THE LARGER CENTER SECTION MUST BE USED.



Figure 5: Properly inserted center section

STEP 4: INSERT THE SPRING ON TOP OF THE CENTER SECTION .

See (Figure 6) and place the venturi on top of that (Figure 7). Be sure to apply Parker O Lube to the venturi o-ring.



Figure 6: Spring insertion.



Figure 7: Venturi insertion

STEP 5: THE COMPLETED VENTURI

The completed venturi can now be placed and installed on the engine (Figure 8). Reinstall the air horn(Figure 9). Be sure to replace any damaged gaskets.



Figure 8: Properly seated venturi assembly.

FULLY ASSEMBLED CARBURETOR

