THIS QUICK TUTORIAL WILL GUIDE YOU THROUGH THE STEPS ON USING THE T650 GAUGE TO SET THE ELECTRODES AND "Z" DIMENSION

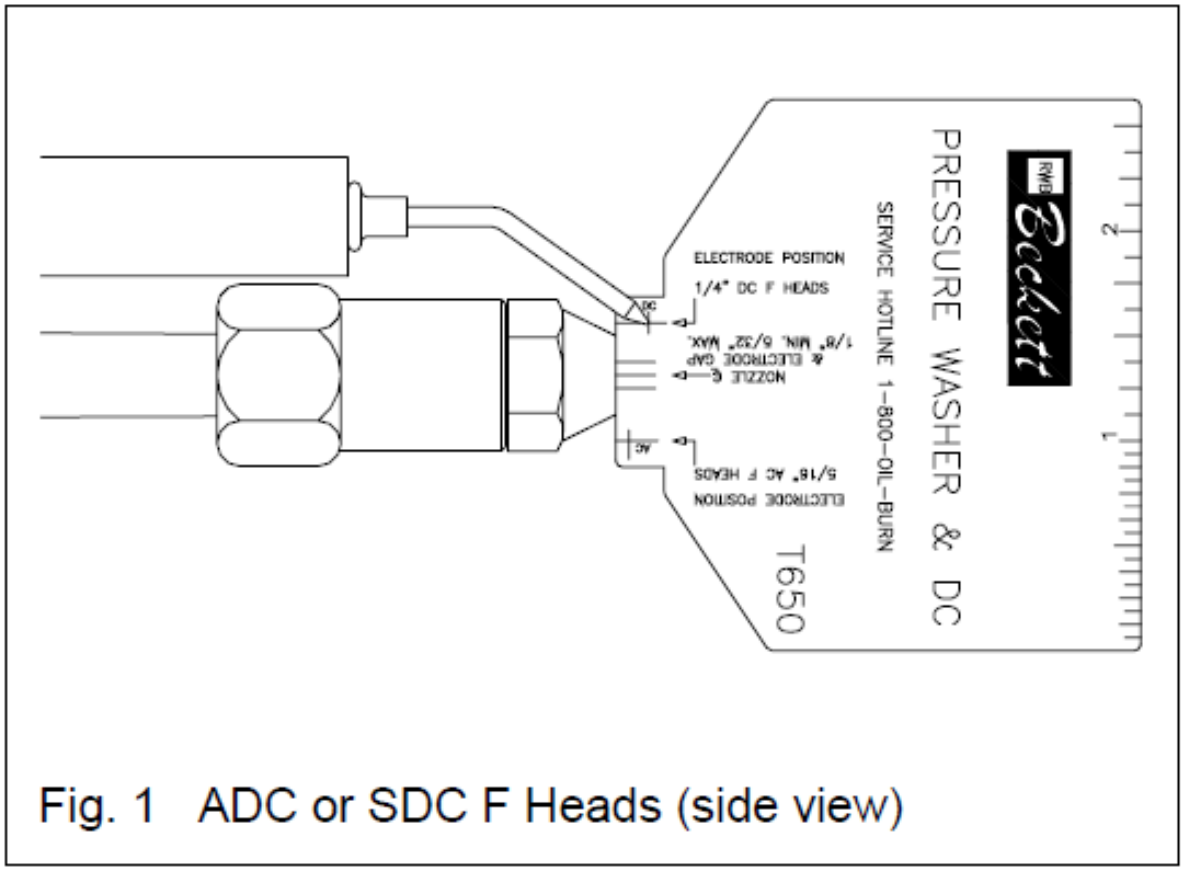


Fig. 1 ADC or SDC F Heads (side view)

To position the electrode tips in front of the face of the nozzle and above the center line, select the cross mark for the burner being serviced, DC (direct current) Fig. 1. You will be setting only one of the electrode tips.

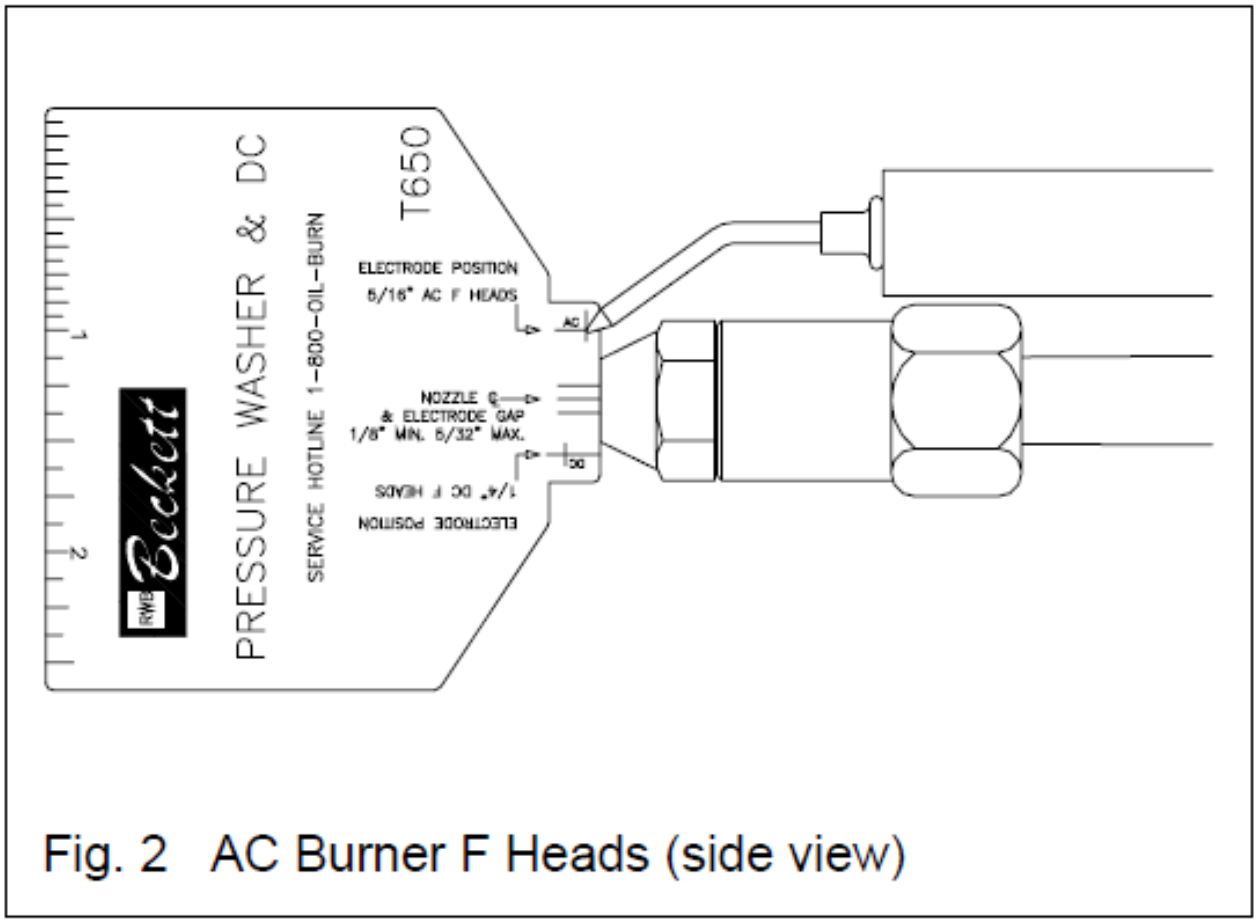


Fig. 2 AC Burner F Heads (side view)

AC burner F head settings are set by aligning the electrode tip with the (5/16”) cross mark shown in Fig. 2.

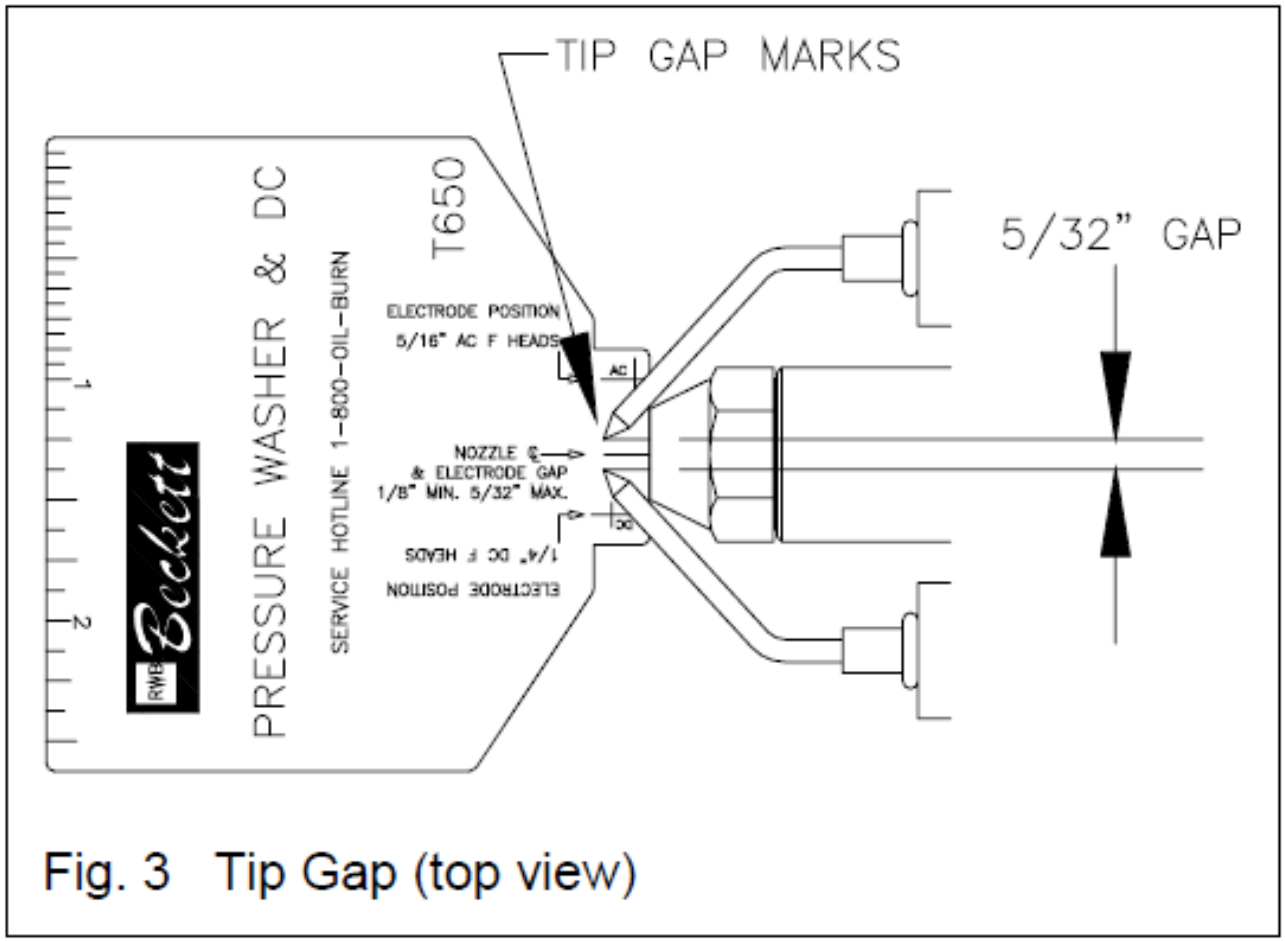


Fig. 3 Tip Gap (top view)

To set the electrode tip gap (5/32”), place the gauge so that the tip is on one of the tip gap marks in Fig. 3 (top view). Adjust the remaining tip to the other mark. Bending the tips is ok if needed.

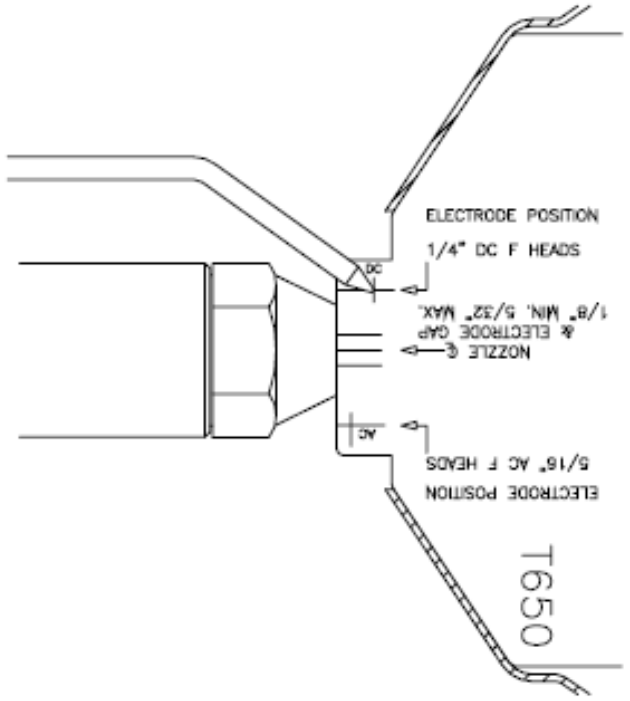


Fig. 4 Center of Nozzle to Head Inside Diameter

To check that the nozzle is approximately centered with the head inside diameter, place the gauge in the head and note the gauge center mark location with respect to the nozzle center. Rotate the gauge and check several positions

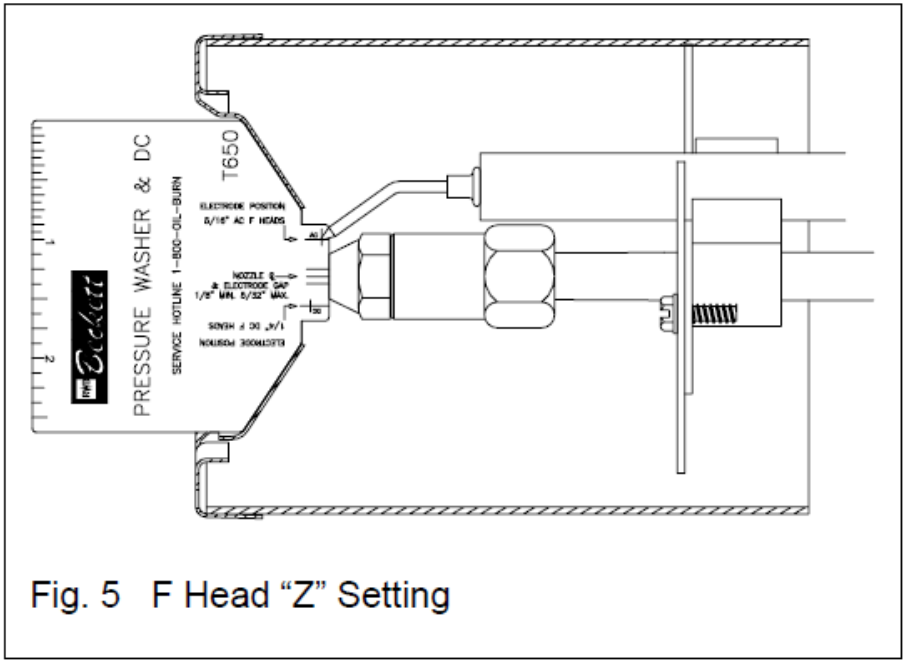
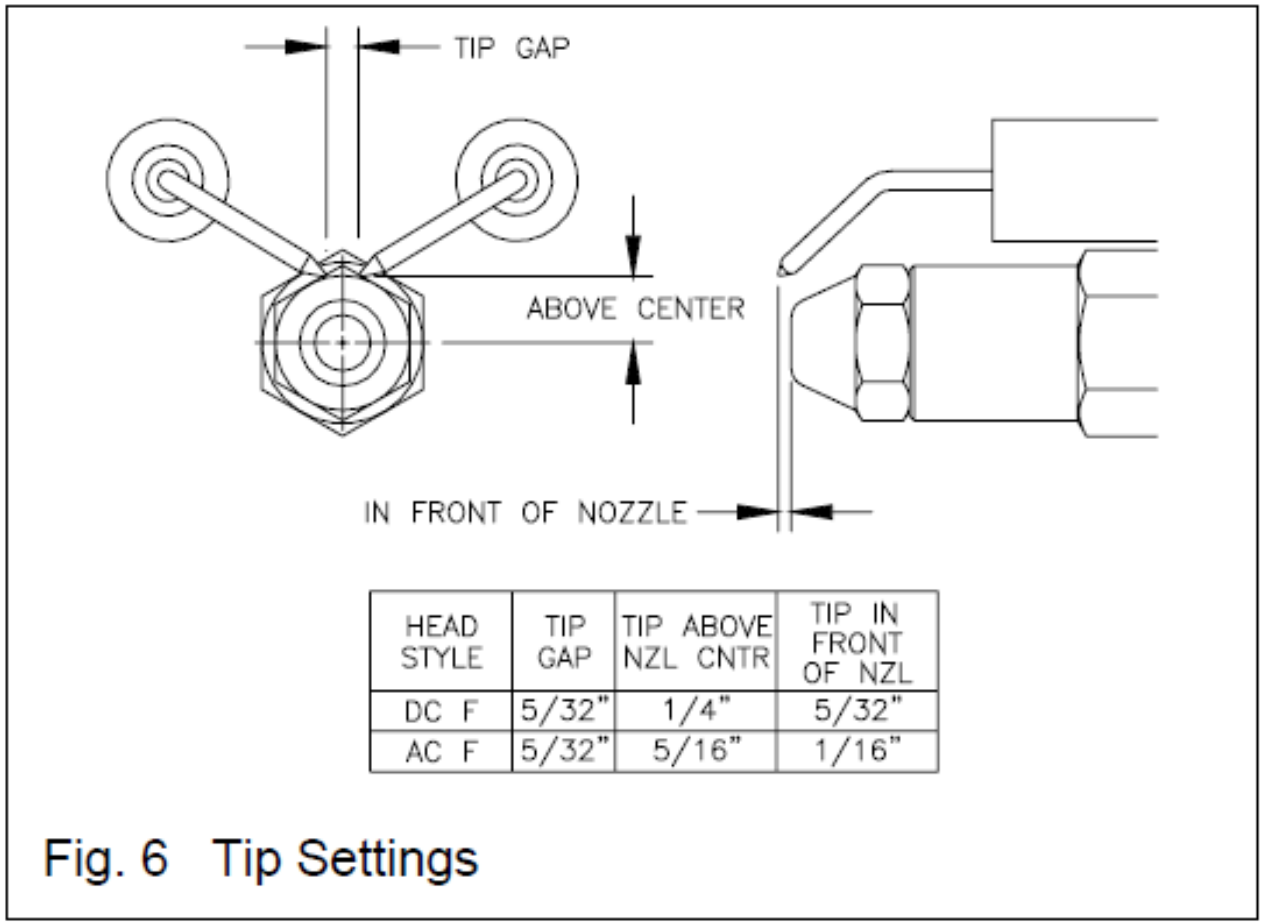


Fig. 5 F Head "Z" Setting

The "Z" dimension is important because it locates the nozzle for the precise relationship with the combustion head. To set the "Z" dimension for F heads, position the gauge and loosen the nozzle line electrode assembly so that it can be moved forward or backward in the air tube until the nozzle becomes flush against the gauge. Tighten the nozzle line escutcheon plate screw to lock this "Z" dimension securely.



HEAD STYLE	TIP GAP	TIP ABOVE NZL CNTR	TIP IN FRONT OF NZL
DC F	5/32"	1/4"	5/32"
AC F	5/32"	5/16"	1/16"

Fig. 6 Tip Settings

Electrode tip setting reference chart Fig. 6. See individual burner instruction manuals for more details.