

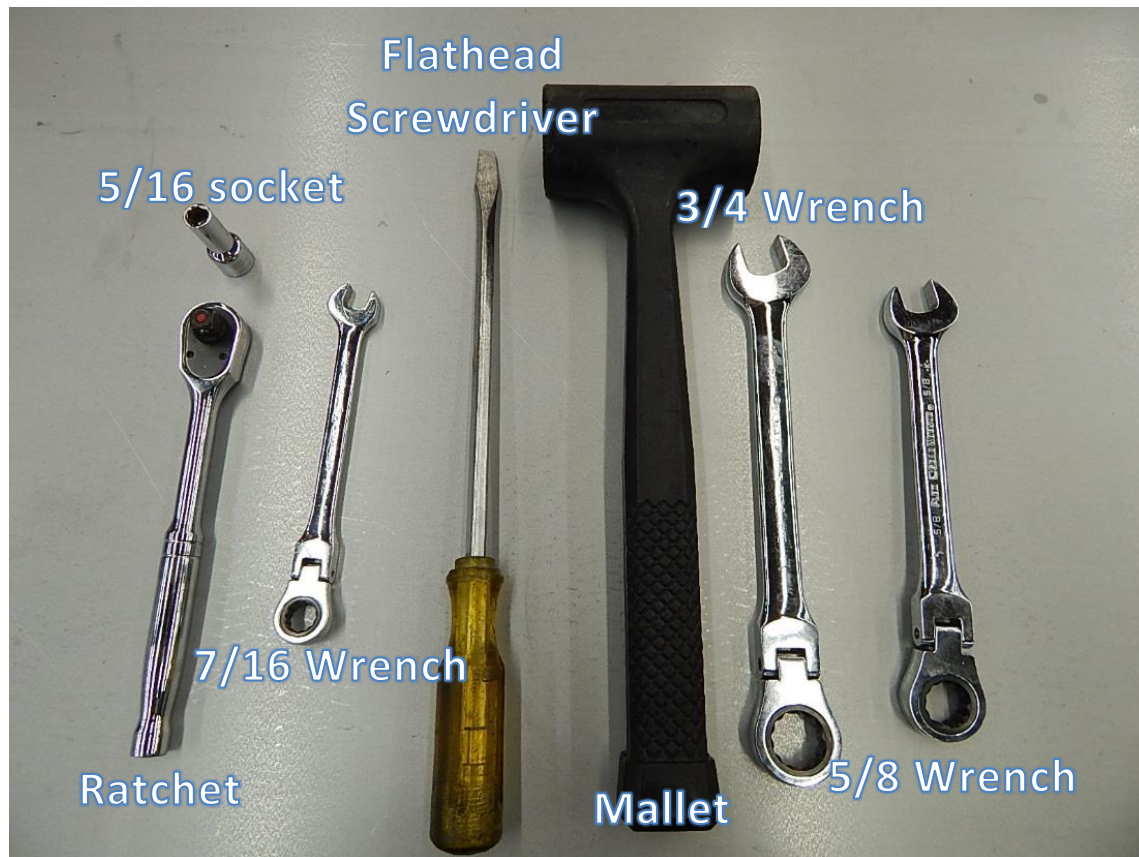
FIELD INSTALLATION INSTRUCTIONS

TITLE:	Nozzle Change
NAME:	FII-012
ISSUE DATE:	29 May 2013
REVISION:	1

PURPOSE:

The intention of this FII is to demonstrate the procedure to change a nozzle.

TOOLS REQUIRED:



From left to right: Ratchet, 5/16 socket, 7/16 wrench, flat head screwdriver, mallet, 3/4 wrench, 5/8 wrench.

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PROCEDURE:



Figure 1: Igniter cover

Step 1: Remove igniter cover by loosening the two screws holding the cover. See Figure 1 for igniter cover.



Figure 2: Copper fuel line location

Step 2: Disconnect the copper line from the slide plate by unscrewing the two nuts. See Figure 2 for copper line location.

NOTE: The first nut will remain around the copper line, but be wary of the second notched nut as it is free to come off and can easily fall once removed.

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Step 3: Remove burner electrode assembly from unit blast tube by lifting the assembly up and then pulling straight out. See Figure 3 for removal method.

NOTE: When handling the burner electrode assembly, care should be taken around the electrodes.

Figure 3: Assembly being pulled from blast tube

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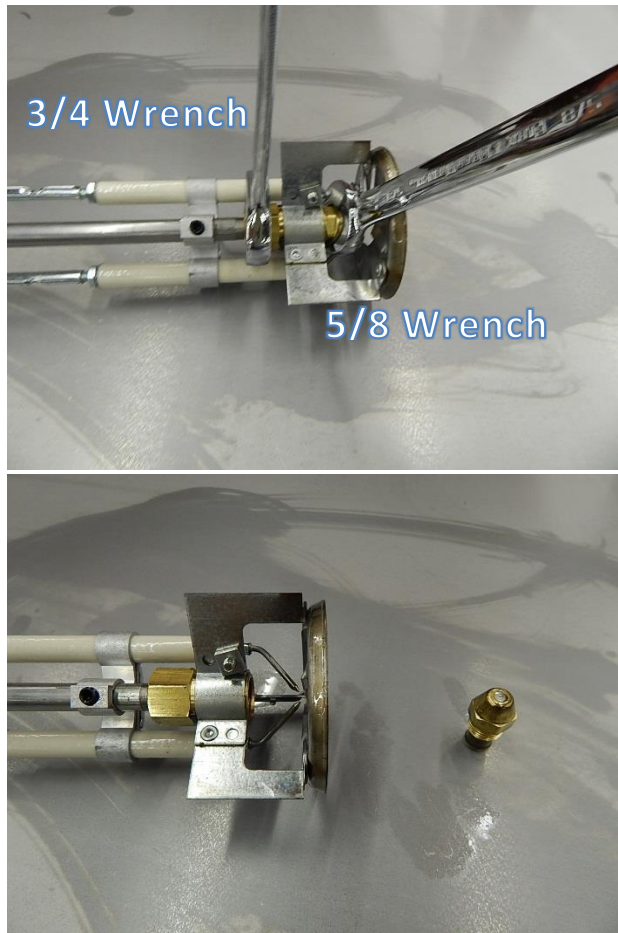


Figure 4: Loosening nozzle for removal

Step 4: Unscrew and remove the nozzle at the end of the burner electrode assembly by holding the larger base nut in place and loosening the nozzle directly. See Figure 4 for nozzle removal.

Step 5: Install new nozzle by holding the base nut in place tightening the nozzle, similarly to how it was removed.

NOTE: The nozzle only needs to be hand tightened, excessive tightening can cause damage to the nozzle.

Step 6: Replace burner electrode assembly in blast tube and reattach copper line to the slide plate using the two nuts.

Step 7: Close igniter cover, turn tabs to lock, and tighten screws to secure cover in place.



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Suggested Burner Settings						
Model	Burner	Nozzle	Pressure	Shutter	Band	Slide
OHV 200	CF 375	1.5 USGPH, 60°, SOLID	Bottom: 100 Top: 90	6	0	2
OHV 350-II	SF	1.5 USGPH, 60°, SOLID	Bottom: 125 Top: 115	1	1	3
OHV 500	SF	2.5 USGPH, 60°, SOLID	Bottom: 145 Top: 135	6	0	5
IDF 350	CF 375	1.75 USGPH, 45°, SOLID	Bottom: 125 Top: 115	10	6	4
IDF 350- II	CF 500	1.75 USGPH, 45°, SOLID	Bottom: 125 Top: 115	4	0	4
IDF 500	CF 800	2.25 USGPH, 60°, SOLID	Bottom: 140 Top: 130	10	0	6