

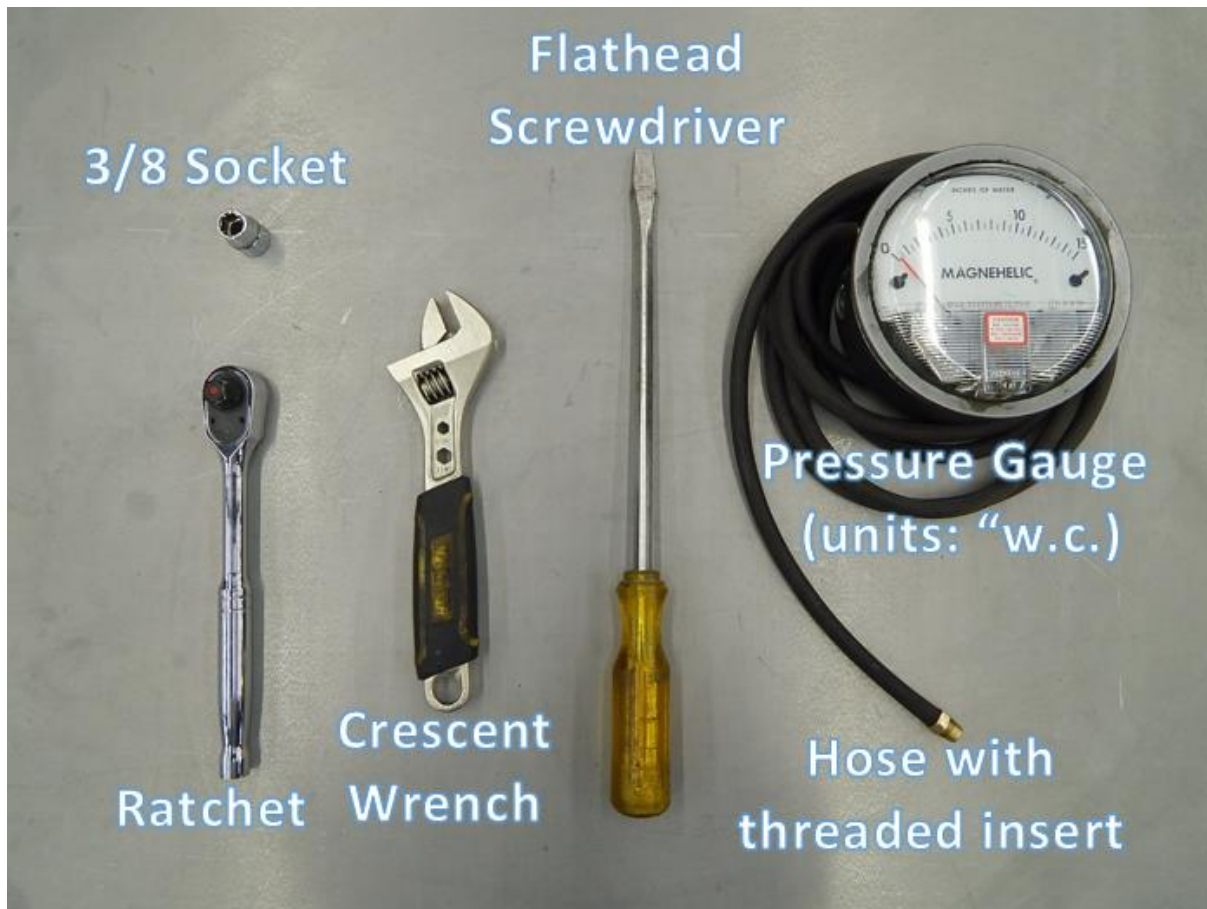
**FIELD INSTALLATION INSTRUCTIONS**

TITLE:	Manifold Pressure Adjustment
NAME:	FII-008
ISSUE DATE:	9 July 2013
REVISION:	2

**PURPOSE:**

The intention of this FII is to demonstrate the proper method for adjusting manifold pressure.

**TOOLS REQUIRED:**



From left to right: Ratchet, 3/8 Socket, Crescent Wrench, Flathead Screwdriver, Pressure Gauge (capable of measuring inches of water column), Hose with threaded insert at one end.

## FIELD INSTALLATION INSTRUCTIONS

TITLE: Manifold Pressure Adjustment  
 NAME: FII-008  
 ISSUE DATE: 9 July 2013  
 REVISION: 2

### PROCEDURE:



Figure 1: Manifold Plug

**Step 1:** Remove the control box cover by unscrewing the five fasteners along its edge by the burner housing. See Figure 1 for the control box cover.

**Step 2:** Locate the manifold plug on one of the manifold elbows.

**Step 3:** With the main gas supply valve off, remove the 1/8NPT plug and install a manometer or pressure gauge capable of measuring Inches of Water Column. See Figure 2 for 1/8 NPT plug.

**Step 4:** Attach the gas supply line to the unit and open the main gas valve.

**Step 5:** Locate the manifold pressure regulator.

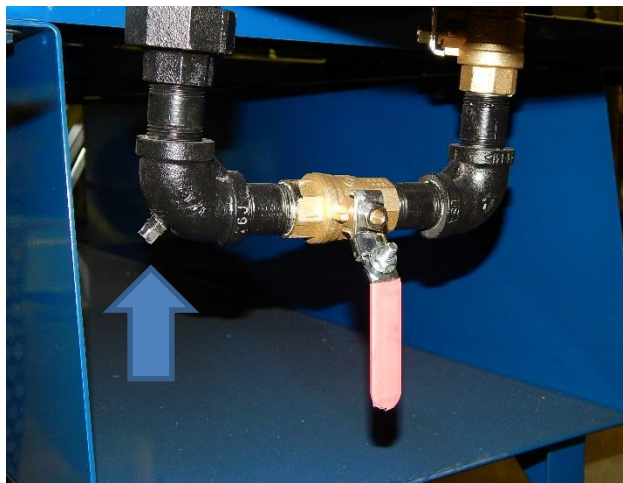


Figure 2: Manifold 1/8 NPT plug

**FIELD INSTALLATION INSTRUCTIONS**

TITLE:	Manifold Pressure Adjustment
NAME:	FII-008
ISSUE DATE:	9 July 2013
REVISION:	2



Figure 3: Regulator top cap location

**Step 6:** Remove the regulator top cap and adjust the regulator pressure by turning the screw inside. See Figure 3 for the regulator cap location.

**NOTE:** Refer to the manual for proper manifold pressure settings for your unit.

**ALTITUDE:** No adjustments are required below 2500ft. As you increase in altitude beyond 2500, decrease the gas pressure with the procedure above. Using a combustion analyzer, ensure the CO does not exceed 50ppm.

**Step 7:** Once an acceptable pressure has been set, replace cap and uninstall pressure gauge.

**Step 8:** Replace control box cover and fasten in place.

Acceptable Manifold Pressures ["w.c.]		
Unit	LP ["w.c.]	NG ["w.c.]
DF 400	1.4"	3.5"
DF 1500	1.5"	3.6"
OHV 200	1.2"	
IDF 350-II	2"	
IDF 500	3"	