

QUICK SET-UP GUIDE

This guide is intended to provide quick instructions on the set-up of your new plasma cutter. Please take time to review the operator's manual prior to operating this unit.



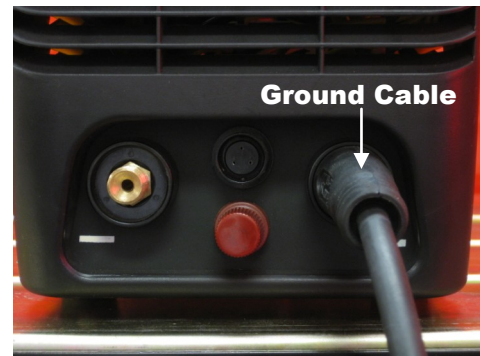
Plasma 375

Item #164610

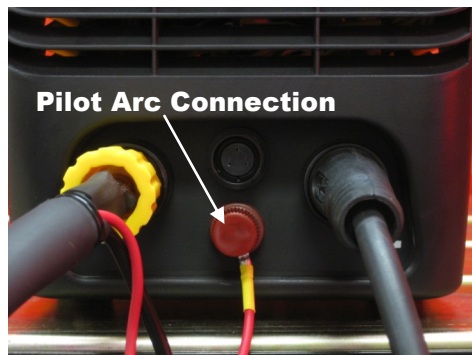
*For more help visit www.ntwelderhelp.com
Or Call 1-877-304-0294*

1**CONNECTING COMPRESSED AIR**

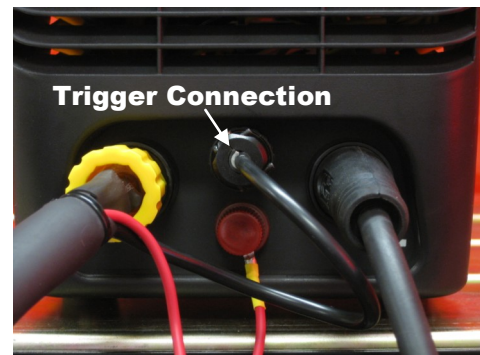
This unit requires compressed air to operate. You can use an air compressor or a bottle of compressed air. The air supply to the bottle should be at least 70 PSI. Make the connection to gas fitting on the back of your unit.

2**INSTALL GROUND CABLE**

This unit requires a completed electrical circuit in order to operate correctly. The ground cable and clamp completes the circuit. Connect the ground cable to the positive (+) receptacle on the front of the machine.

5**INSTALLING PLASMA TORCH PILOT ARC**

Remove the red thumb screw and the flat washer on the front of the machine. Install the red lead with the round terminal onto the pilot arc terminal. Reinstall the washer and tighten the thumb screw.

6**INSTALLING TRIGGER CONTROL**

Line up the key way in the trigger receptacle with the key way on the trigger plug on the black trigger lead. Push to install. Listen for the snap.

9**INSTALLING GAS DIFFUSER**

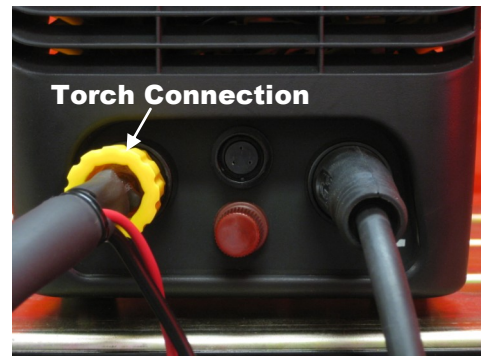
The gas diffuser slides over the electrode and connects to torch head.

10**INSTALLING NOZZLE**

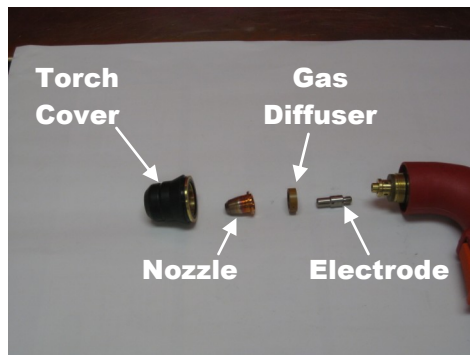
The nozzle sets on top of the electrode.

3**INSTALL GROUND CABLE**

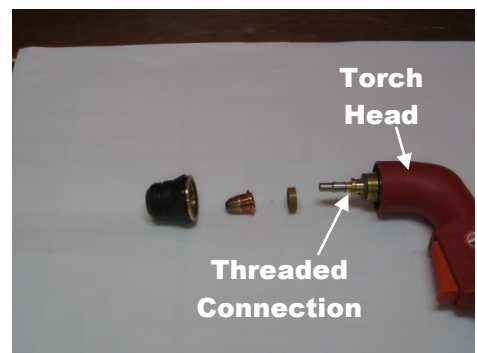
It is important that the ground clamp is properly secured to a clean, paint free connection either on the cutting table or the work piece.

4**INSTALL THE PLASMA TORCH**

Install the machine end of the plasma torch to the negative (-) receptacle on the front of the machine.

7**PLASMA TORCH PARTS BASICS**

Never disassemble torch with the unit power turned on. Disconnect input power before proceeding. This torch has four replacement parts. Remove torch cover by turning counter clockwise. Nozzle sets atop electrode. Gas diffuser sets on the torch head.

8**INSTALLING ELECTRODE**

The electrode is threaded into the torch head. Install by turning clockwise.

11**INSTALLING THE TORCH COVER**

The torch cover threads onto the torch head. Install by applying slight inward pressure and turning clockwise. Hand tighten.

12**TURNING UNIT ON**

Install input power to the proper receptacle and turn on the unit power using the power switch on the back of the unit.

13

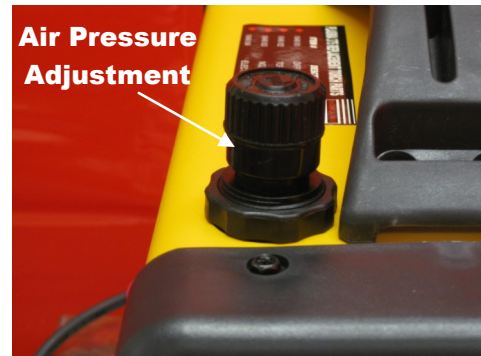
AIR FLOW ADJUSTMENT



Pull and release the torch trigger to create air flow.

14

AIR PRESSURE ADJUSTMENT



Adjust Air Pressure Regulator Control to set air pressure above 60 PSI

15

CHECK AIR FLOW



Check Air Flow Setting on the Air Pressure Meter. The low pressure indicator light will be off if air pressure is adequate.

16

CONSUMABLES



This unit comes with four (4) electrodes and four (4) nozzles. These items are consumable items. Replace as needed to maintain quality cuts. See consumable table on the top of the machine for ordering more consumables when needed.