

A Safe Workplace

A Workplace Safety and Health Manual for Your Community

Section: III-C	Rules Procedures, Practices and Guidelines	Page 1 of 1 Approved By: Harvey Bostrom
Subject: G-15	Oxygen and Acetylene Set Up	Effective: April 01, 2005 Revised: April 1, 2011

Refer to part 17 Welding and Allied Processes of *The Manitoba Workplace Safety and Health Act and Regulations* and CSA Standards W117, 2-01 (R2006), Safety in Welding, Cutting and Allied Processes.

PPE Required: Leather gloves, steel toe boots

Equipment Required:

Crescent wrench, fire extinguisher of suitable type as per MSDS label.

Set up:

- Oxygen cylinders have right turning valves and connections. Acetylene cylinders have left turning valves and connections.
- "Crack" open cylinder valves slightly and then close immediately. This blows out dust and grit that could restrict the gas flow or damage the regulator.
- Attach the oxygen and acetylene regulators to their cylinders. Tighten nuts with proper wrench. Never force poor fitting connections.
- Install non-return valves and flashback arresters on the torch and regulator end of the hoses.
- Connect the green hose to the oxygen regulator and the red hose to the acetylene regulator.
- Connect torch green hose to the oxygen inlet and the red hose to the acetylene inlet. Finger tighten hose nuts before using a wrench. The wrench may damage unprotected threads.
- Leave the wrench on the acetylene cylinder whenever the valves are open. This permits emergency shut off of the acetylene.
- Do not have oil or grease on any welding and cutting equipment. Oil or grease may cause an explosion.