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| Author Name: Brady Ryan Title: Manager Date: 3/27/2020 | |
| #1 Process  (if applicable) | For joining metal with solder |
| #2 Equipment | Soldering iron, flux |
| #3 Personal Protective Equipment (PPE) | Safety glasses plus minimum shop PPE |
| #4 Environmental /  Ventilation controls. | Requires use of fume extractor. Keep head to the side of your work rather than directly above to minimize inhalation of flux smoke. |
| #5 Required training or approval | * Soldering iron training * Review and observe general safety practices outlined in the Shop Equipment Safety Guidelines. * Refer to the manufacturer’s operating manual for all operating procedures. |
| #6 Inspection requirements before use | * Before operating the device, a full visual inspection should be carried out. In the event of any defects or malfunctions, please notify a staff member. |
| #7 Safe operating procedures or precautions | * Refer to the manufacturer’s operating manual for all operating procedures. * Turn on the fume extractor. The smoke from the flux can be irritating, a sensitizer and aggravates asthma. * Use lead free solder. * Never touch the element or tip of the soldering iron. They are very hot (about 400°C) and will burn. * Hold wires to be heated with tweezers or clamps. * Keep the cleaning sponge wet during use. * Always return the soldering iron to its stand when not in use. * Never put it down on your workbench. * Turn unit off or unplug it when not in use.   Always wash your hands with soap and water after soldering. |
| #8 Chemicals/ spill procedures/waste disposal |  |
| Author Signature: Date: | |