

## Plumbing & Heating Required Tool/Equipment

Loren Gordon, Instructor



### FRESHMAN, PLUMBING CLASS

- 1) Tool Box, all purpose, (approximately 9"X9"X18" or larger)
- 2) Standard and Phillips screwdriver set or 4 in 1
- 3) 1/4" & 5/16" or nut driver set, hollow shaft
- 4) 3/8" to 3/4" open end wrenches
- 5) 12" or 14" pipe wrench
- 6) 9" (water pump) pliers (also called channel lock pliers)
- 7) \*Flaring Tool\* -- RIDGID 345
- 8) \*Tubing cutter, 1 1/8" capacity\* -- RIDGID #15, CAT. #32920
- 9) \*Mini-tubing cutter\* -- RIDGID #101, CAT. #40617
- 10) 9" torpedo level
- 11) Hack-saw, spare blades
- 12) 1/2" & 3/4" fitting brushes (copper cleaning brushes) – not the one piece units
- 13) 1 lb. roll of 50/50 or lead free solder – silverbrite preferred
- 14) 16 oz. hammer, rip or claw
- 15) Steel toe boots -- **ANSI Z41** certified
- 16) Leather palm work gloves
- 17) Propane or Map gas torch kit (self igniter suggested) – medium tip only
- 18) \*Plastic pipe cutter, up to 1 1/4" + capacity\* -- LENOX
- 19) 25' tape measure
- 20) \*Basin wrench\* -- RIDGID #1017
- 21) **Z-87** safety eye wear, **Clear Lenses ONLY**
- 22) 6 & 8" Adjustable Wrenches

### SENIOR, HEATING CLASS, INCLUDE WITH ABOVE ITEMS FOR 2<sup>ND</sup> YEAR

- 1) \*9" Linemen pliers\* -- IDEAL #35-3012
- 2) \*Wire stripper\* -- IDEAL #45-621
- 3) Allen wrench set
- 4) \*Needle-nose pliers\* -- IDEAL #353038
- 5) Keyed padlock, Red or Painted Red
- 6) Lock-out tag
- 7) \*Multi meter\* -- IDEAL #61-701
- 8) Circuit Breaker Lock
- 9) Box of 100 latex gloves – optional

**\*\*Tools with an Asterik "\*" required to be specific BRAND and MODEL #**

Please note – Tools will be required on the first day of class. If tools are to be purchased through the business office, a handling fee may be added. Students taking the Residential Wiring course may not be required to purchase additional tools. If additional information is needed, please call me at 768-2745 or e-mail me at [nlgordon@nmcc.edu](mailto:nlgordon@nmcc.edu).

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