

# **Pine Technical & Community College**

## **Automotive Technology Basic Tool List**

The following is the list of basic tools required for enrollment in Automotive Technology program. It is almost universally understood that an employed automotive technician furnishes his/her own hand tools. Since the objective of our program is to train students for employment as technicians, these basic tools will allow the student to start his/her personal tool kit, adding to it as he/she wishes. We highly recommend that quality tools be purchased. Many students will have some of these tools already. If so, it would not be necessary to purchase new ones.

### **UNIFORM**

- 2 Uniform shirts are required and are available at the campus bookstore. If a student has employer provided uniforms, they may be used in lieu of the school uniform shirt.
- Leather work shoes or boots are required. The shoe or boot must cover the entire foot.

### **SOCKET SETS (6point sockets)**

- 1/4" Drive set with ratchet, extensions, universal Joint metric & standard (Deep and Short)
- 3/8" Drive set with ratchet, extensions and a universal joint
- 3/8" Drive standard short socket set from 5/16" to 7/8"
- 3/8" Drive standard deep socket set from 5/16" to 7/8"
- 3/8" Drive metric short socket set from 8-19 mm.
- 3/8" Drive metric deep socket set from 8-19 mm.
- 1/2" Drive standard socket set (Deep and Short) with ratchet, breaker bar, extensions and universal joint
- 1/2" Drive metric socket (Deep and Short)
- spark plug socket, 9/16, 5/8" and 13/16"

### **WRENCHES**

- Standard combination wrench set 1/4" to 1"
- Metric combination wrench set 8-24 mm.
- Metric Allen wrenches/sockets 2-8mm 10-12mm
- Standard Allen wrenches/sockets .050-3/8"
- 1 Set of Metric Line (Flare nut) Wrenches
- 1 Set of Standard Line (Flare nut) Wrenches

### **SCREW DRIVERS**

- Flat blade set
- Phillips set
- Torx set

### **PLIERS**

- Combination pliers
- Needle nose pliers
- Diagonal side cutter
- 10" Vise grip
- 10" Channel lock
- Hose clamp pliers

## HAMMERS

- Ball peen hammers 8, 16, 32 oz.
- Dead blow plastic hammer
- Brass hammer

## MISC.

- Inspection mirror
- Flashlight
- Magnetic pick up tool
- Pry bar set
- Punch set
- Chisel set
- Hack saw and blade
- Gasket scraper
- Flat file
- Round file
- Non-magnetic feeler gauge set standard/metric
- Test light 12-volt Incandescent bulb type. non led
- Safety glasses
- Ear protection
- Spark plug feeler gauge
- Wire strippers / crimpers
- Air Chuck (tire inflator)
- Tire gauge
- Wire brush
- Variable Blow Gun with rubber tip
- Trim tool set
- Brake tool set
- Oil filter wrenches
- 4-piece test lead set
- Battery terminal cleaner
- **TOOL BOX** Must be able to securely store tools (box or lockable rolling cart). 1 toolbox per **student not to exceed 42 inches in length**
- Multimeter (Fluke 115 or equivalent)

## Optional tools

- Half inch drive torque wrench 50-250 ft lbs

- 1 /2" drive impact wrench

Please note that this is a **BASIC** tool set.

It should be understood that the student will be adding to this as needed.

Updated 4/2/24