

## Automotive Technology Tool List:

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

Hand Tools Price Range: High \$3,000 - Low \$300 (Depending on Quality Grade)  
Tool Box Price Range: High: \$2,000.00 - Low \$200.00 (Depending on Quality Grade)

**Note:** A basic tool kit may be charged to student's account upon approval. Approx. cost is \$550 wo/meter or \$695 w/meter. See Program Coordinator.

### **NOTE: TOOLS MUST BE OF A MECHANICS QUALITY.**

#### **SOCKET SETS** (Sockets must be six point)

- 1 ea. 1/4" Drive set with metric & standard sockets  
1/4" Drive extensions and ratchet
- 1 ea. 3/8" Drive set with ratchet, 5" to 10" extensions, and a universal joint  
3/8" Drive standard short socket set from 1/4 – 7/8  
3/8" Drive standard deep socket set from 1/4 - 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 ea. 1/2" Drive ratchet Breaker Bar with Metric (12 mm – 24 mm) Sockets and Standard (9/16 – 7/8) sockets
- 1 ea. Spark plug socket 5/8" and 13/16"
- 1 ea. 1/2" to 3/8" adapter  
3/8" to 1/2" adaptor
- 1 ea. 3/8" drive torx set T27-T55

#### **WRENCHES**

- 1 ea. Standard combination wrench set 5/16 – 1"  
Metric combination wrench 7-19 mm
- 1 Set of Metric Line Wrenches (9 mm – 21 mm) 3/8 – 7/16 standard

#### **SCREW DRIVERS**

- 1 ea. Flat blade 1 1/2", 4", 8" and 12" long  
Phillips #'s 1, 2, and 3  
Miniature hook and pick set

#### **PLIERS**

- 1 ea. Combination pliers  
Needle nose pliers  
Diagonal side cutter  
6" Needle/Long nose locking pliers (vice grip)  
10" Vise grip  
10" Channel lock

## **ODDS AND ENDS**

- 1 ea. 16 oz. Ball pen hammer
- 8 oz. Soft tip hammer
- Dead blow hammer at least 48 oz
- Punch set
- Chisel set
- Hack saw and blade
- Gasket scraper
- Flat file
- Round file
- Channel Locks at least 18" long
- Non-magnetic feeler gauge
- Test light 12- volt (Recommend Snap-on or MAC)
- Digital volt ohm meter with 10 mega ohm impedance (Minimum quality of the Fluke 78)
- Safety glasses
- Fender cover/Protector
- Battery Service Kit
- 18"-24" Pry Bar
- Jumper wires
- Spark plug gaper to .080
- Wire strippers / crimpers / cutters
- Air Chuck (Tire inflator) with adapter (long or Lincoln type)
- Tire Valve Core removal tool
- Variable Blow Gun with rubber tip with adapter (long or Lincoln type)
- Brake Adjusting Spoon
- Brake hold down spring removal tool
- Brake return spring removal and installation tool
- Electrical terminal back probe kit
- Magnetic pickup tool
- Adjustable mirror
- Small flashlight (Pocket size)
- Ignition spark tester

### **TOOL BOX THAT CAN BE LOCKED**

## **TOOLS RECOMMENDED BUT NOT REQUIRED**

- 1/2" Drive Standard Sockets (1/2 to 7/8)
- 1 ea. Drill and Drill bit set
- 3/8" speed wrench
- 1/4" and 3/8" flex head ratchet
- Standard and Metric tap & die set
- 1/2" impact
- Standard and Metric short stubby wrenches
- 1/4" and 3/8" Metric swivel sockets
- Metric Allen Sockets
- Standard Allen Sockets
- Lap top computer with wireless capabilities

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