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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 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 be purchased. Many students will have some of these tools already. If so, it would not be necessary to purchase new ones.

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

PLIERS (Cont.)

- 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
- 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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