

Diesel Technology Tool List

The following is the list of tools required for enrollment in Diesel 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. The items **highlighted** are items that must be purchased for the first day of class.

NOTE: TOOLS MUST BE OF A MECHANICS QUALITY.

SOCKET SETS

- 1 ea. 1/4" Drive set with metric & standard sockets
1/4" Drive extensions
- 1 ea. 3/8" Drive set with ratchet, 5" to 10" extensions, and a universal joint
3/8" Drive standard short socket set from 3/8" to 3/4"
3/8" Drive standard 6 pt deep socket set from 3/8" to 7/8"
3/8" Drive metric 6 pt short socket set from 8-19 mm.
3/8" Drive metric 6 pt deep socket set from 8-19 mm.
- 1 ea. 1/2" Drive ratchet with Standard (1/2" – 1 1/4") and Metric (10 mm – 24 mm) Sockets – Deep
- 1 ea. 1/2" to 3/8" adapter
3/8" to 1/2" adaptor
1/2" to 3/4" adaptor
- 1 ea. 3/8" drive torx set 10-T55
- 1 ea. 1/2"-1 1/4" 1/2" drive deep socket
3/8" drive Allen sockets

WRENCHES

- 1 ea. Standard combination wrench set 3/8" to 1-1/4"
Metric combination wrench set 8-24 mm.
Metric Allen wrenches "L" shape
Standard Allen wrenches "L" shape
1/2" Torque Wrench 50 – 250 F+1 lbs.
3/8 Torque Wrench

SCREW DRIVERS

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

PLIERS

- | | |
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| <ul style="list-style-type: none"> 1 ea. Flash light Flat tip snap ring pliers Combination pliers Diagonal side cutter | <ul style="list-style-type: none"> 12" Crescent wrench 10" Vice grip Needle nose pliers Piston ring pliers |
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PLIERS (Continued)

10" Channel lock
Magnetic pick up tool combo with mirror

ODDS AND ENDS

- 1 ea. Ball pen hammer 3 piece set 16 oz., 24 oz., & 48 oz. – No wood handles
48 oz. Soft tip hammer
Punch set with one brass punch, center punch
Chisel set
Hack saw and blade
Gasket scrapper
Flat file with handle
Round file with handle
Feeler gauge 2 pairs (45° ends and straight)
Test light 12- volt (Recommend Snap-on or MAC bulb style only)
Digital volt ohm meter- must be purchased from the college book store NO EXCEPTIONS
Good Pair of Safety glasses – No Tint – must be clear!
Dial Indicator- Must be dial type not digital, magnetic base recommended.
Dial Caliper- Must be dial type not digital
Mini torch- Butane powered
Jumper wires
Wire strippers / crimpers
Air Chuck (Tire inflator) Dual Foot air Chuck
Tire Valve Core removal tool with handle
Variable Blow Gun with rubber tip with adapter OSHA approved
Electrical terminal back probe kit
25' tape measure
1/16-1/2 high speed drill bits
3-piece pry bar set
Large lady foot pry bar
TOOL BOX THAT CAN BE LOCKED

TOOLS RECOMMENDED BUT NOT REQUIRED

- 1 ea. Drill and Drill bit set
1/4" and 3/8" flex head ratchet
Standard and Metric tap & die set
Standard and Metric short stubby wrenches
1/4" and 3/8" Metric swivel sockets
1/2" Impact
3/8" Impact
1/2" Impact sockets
3/8 Impact sockets
3/8 Torque wrench
Dial caliper
Magnetic base dial indicator

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