

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 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.

Approximate cost for tools is \$3,000.00 for the entire program.
Approximate cost for Toolbox would be around \$1,000.00.

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

- 1 ea. Flash light
Flat tip snap ring pliers
- 12" Crescent wrench
10" Vice grip

Combination pliers
Diagonal side cutter

10" Channel lock

Magnetic pick up tool combo with mirror

Needle nose pliers

Piston ring pliers

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 scraper

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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