

**The following tools are necessary for all stages of the Diesel Tech Program.
These tools should be available in all courses at all times.**

FIRST SESSION TOOLS

- 1ea 1/4" drive - socket, 6 point hex, regular length sizes: 3/16" 7/32" 1/4" 9/32" 5/16" 11/32" 3/8" 7/16" 1/2"
- 1ea 1/4" drive – socket, 6 point: 5, 6, 7, 8, 9, 10, 11, 12, 13 mm
- 1 1/4" drive - Ratchet, reversible
- 1 1/4" drive - Extension, 3 1/2"
- 1 3/8" drive - socket, 6 point regular length sizes: 5/16" 3/8" 7/16" 1/2" 9/16" 5/8" 11/16" 3/4"
- 1 3/8" drive – 7" minimum Ratchet, reversible
- 1ea 3/8" drive - Extension, 1 3/4", 3 1/2", 5"
- 1ea 3/8" drive - socket, 6 point, deep length sizes: 3/8" 7/16" 1/2" 9/16" 5/8" 11/16" 3/4"
- 1ea 3/8" drive - socket, 12 point, impact universal joint sizes: 3/8" 7/16" 1/2" 9/16" 5/8" 11/16" 3/4"
- 1ea 3/8" drive - socket, 6 point, regular length sizes: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm
- 1ea 1/2" drive - socket, 12 point, Regular Length sizes: 7/16" 1/2" 9/16" 5/8" 11/16" 3/4" 13/16" 7/8" 15/16" 1", 1/16", 1 1/8", 1 1/4"
- 1 1/2" drive - Adapter, 1/2" F, 3/8" M
- 1 1/2" drive - Ratchet, reversible 10 1/4" minimum
- 1ea 1/2" drive - Extension, 2 1/2", 5", and 10" long
- 1 1/2" drive - Flex Handle, 18 1/2" long minimum
- 1ea 1/2" drive - socket, 6 point, regular length sizes: 13, 14, 15, 16, 17, 18, 19, 21, 22, 23 mm
- 1 Battery post cleaner
- 1 Brush, wire
- 1 Chisel, Cold, 5/16" cut, 1/4" hex, 5 1/8" long
- 1 Chisel, Cold, 3/4" cut, 19/32" hex, 7" long
- 1 Chisel, Cold, 5/8" cut, 23/32" hex, 8" long
- 1 Drill Index
- 1 Extractor set (easy outs)
- 1 File, mil bastard with handle, 12"
- 1 File, round bastard with handle, 14"
- 1 File, tri-corner with handle, 10"
- 1 Flashlight, heavy duty 2-D cell
- 1 Gauge, Feeler 26 pieces: .0015 - .025 Offset 45 degree angle recommended
- 1 Hacksaw
- 1 Hammer, ball pein, 1 LB, polished only, 14 1/2" long
- 1 Hammer, ball pein, 40 oz
- 1 Hammer, deadblow, plastic, or rubber 3 LB
- 1 Piece of canvas 4 foot by 4 foot
- 1 Magnet, Telescoping, 16 3/4" long
- 1 Multimeter, digital (Check with Instructor before purchasing.)
- 1 Pliers, lock ring, 8 1/4"
- 1 Pliers, diagonal cutting, 8"
- 1 Pliers, external snap ring, 7" and 9", hole type
- 1 Pliers, internal snap ring, 7" and 9", hole type
- 1 Pliers, snap ring, 9", flat end type
- 1 Pliers, lever wrench (Vise Grips), 8"
- 1 Pliers, needle nose, side cutting, 6"
- 1 Pliers, power track, (Channel Locks) 10"
- 1 Pliers, slip joint, 8"
- 1 Pliers, Electrical stripper/cutter/crimper, 8"

- 1ea Punch, Pin, 1/8" dia, 5/32", 3/16", 1/4" 5/16", 3/8" end diameter
- 1ea Punch Set, tapered start, 5/8" x 12" L, 3/4"
- 1 Punch, 5/8" Center
- 1 Punch, Brass Drift, 1/2" straight, 12" L
- 1set Punch, Brass drift set 3 piece min.
- 1 Roll head bar 19/32" hex, 16" long, Snap-On #1650, Mac #LF16, or equivalent
- 1 Ruler, flex steel, 1/2" x 6", #4 graduations
- 1 Scraper, carbon 12", HD plastic handle
- 1set Screw extractors (Easy-outs)
- 1ea Screwdriver, Phillips #1, 6 1/2" and #2, 8 1/4"
- 1 Screwdriver, standard tip, round shank, 13"
- 1ea Screwdriver, standard tip, square shank, 6 1/2" and 10 1/2"
- 1 Solder gun
- 1 Square, combination 12
- 1 Tape measure, 1/2" x 12'
- 1 Test light
- 1 6" Dial Caliper
- 1ea Wrench, flare, 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16"
- 1ea Wrench flare, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21mm
- 1ea Wrench, combination sizes: 1/4, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1 1/16, 1 1/8, 1 1/4 inches
- 1 Wrench, 14", heavy duty, pipe
- 1 Wrench filter strap
- 1 1/2 Drive Torque Wrench, 25ft/lb. – 250ft/lb Torque, torque left and right
- 1ea Wrench, combination sizes: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23 mm
- 1ea Adjustable wrench (Crescent) 8", 12"
- 1 SAE Allen wrench set: 1/16 to 3/8
- 1 Metric Allen set: 1.5mm to 10mm
- 1 set Torx Sockets T10 to T55
- 1 4 Piece Mini pick set
- 1 set Pry bars (Various lengths)
- 1 butane torch
- 1 Tool Chest, Six drawer, removable top, 26"W x 12"D x 14 1/2"H
 - 1 full size removable tote tray, 3-4" width drawers 2" D
 - 2 full-width drawers 2" D, 1 full-width drawer 4" D