



Diesel Technology Program

Required Tool Set

Students enrolled in the Diesel Technology program at Bridgemont Community & Technology College are required to have all of the items listed below prior to the third Monday of the semester. It is recommended that students begin their professional diesel technician career by purchasing mechanic grade, high-quality tools with a lifetime guarantee. Students have an excellent opportunity to purchase tools at a discount through many different vendors who support the program.

Students are encouraged to contact a diesel technology faculty member for guidance in the purchasing of the required tool set. Information can be obtained by contacting the Division Dean at (304) 734-6680.

All tools should be marked with a personal identification mark.

INSURANCE COVERAGE OF TOOLS AND OTHER PERSONAL ITEMS IS THE RESPONSIBILITY OF THE STUDENT.

- Lockable Toolbox (dimensions cannot exceed 28"W x 18"D, rollers recommended but not required, minimum 3 drawers)
- 1/4" Drive – Socket Set
 - Ratchet 1/4"
 - Sockets 3/16" – 1/2" US Standard Depth
 - Sockets 3/16" – 1/2" US Deep
 - Sockets 4 – 13mm Metric Standard Depth
 - Sockets 4 – 13mm Metric Deep
 - Extension 2"
 - Extension 4"
 - Universal Joint
 - Socket Rail 1/4"
- 3/8" Drive – Socket Set
 - Ratchet 3/8"
 - Sockets 3/8" – 3/4" US Standard Depth (12 point)
 - Sockets 3/8" – 3/4" US Deep (6 point)
 - Sockets 10 – 19mm Metric Standard Depth (6 point)
 - Sockets 10 – 19mm Metric Deep (6 point)
 - Extension 3"
 - Extension 6"
 - Extension 10"
 - Universal Joint
 - Socket Rail 3/8"
 - Hex Key Sockets 2 – 10mm Metric

- Hex Key Sockets 5/16" – 13/16" US Standard
- Torx, tamper resistant T8 – T55
- Torx, drive sockets E6 – E16
- ½" Drive – Socket Set
 - Ratchet ½"
 - Breaker Bar 18"
 - Sockets ½" – 1 1/8" Shallow, Impact or Chrome
 - Sockets 7/16" – 1 1/8" Deep, Impact or Chrome
 - Sockets 13 – 32mm Shallow, Impact or Chrome
 - Sockets 13 – 32mm Deep, Impact or Chrome
 - Extension 3"
 - Extension 6"
 - Extension 10"
 - Universal Joint
 - Socket Rail ½"
 - Adapter 3/8" to ½"
 - Adapter ½" to 3/8"
 - Adapter ½" to ¾"
- Wrenches
 - Standard Combination 1/4" – 1 1/4"
 - Metric Combination 6 – 19mm
 - Flare Nut 3/8" – ¾" Standard
 - Flare Nut 7mm – 19mm Metric
- Pliers
 - Slip-joint 6"
 - Adjustable Locking 7"
 - Channel Lock 12"
 - Needle Nose 6"
 - Diagonal Wire Cutter 6"
- Screwdrivers
 - Slotted ¼" X 6"
 - Slotted 5/16" X 9"
 - Slotted 3/8" X 12"
 - Slotted Stubby
 - Phillips #1 #1 X 6"
 - Phillips #2 #2 X 6"
 - Phillips #3 #3 X 12"
 - Phillips #2 Stubby
- Hammers
 - Ball Peen 16 oz
 - Ball Peen 24 oz
 - Dead Blow Hammer 2LB
- Electrical Tools

- Digital Multi-meter (EEDM596DK Snap-On OR EQUIVALENT – minimum 10 meg ohms impedance)
- Battery Terminal Cleaner
- Electrical Pliers (Stripper/Crimper)
- 12V Test Light
- Terminal Back Probes
- Punches & Chisels
 - Pin Punch 3/16 – 3/8"
 - Center Punch 3/8"
 - Chisel 5/8"
 - Chisel 3/4"
 - Starter Punch 3/16" – 3/8"
 - Aligning Punch Set
 - Brass Punch 3/8"
- Miscellaneous
 - Digital or Dial Caliper 6" range
 - Gasket Scraper
 - Pry Bar Heel Type 16"
 - Pry Bar Flat Type 20"
 - Angle Feeler Gauge .001" - .030"
 - Feeler Gauge Go – No Go .002" - .030"
 - Course File 10" Mill Bastard File
 - 6" Fine File 6" Smooth Flat File
 - Telescope Magnet 4" – 19"
 - Flashlight
 - Hearing Protection (per OSHA requirements)
 - Tape Measure 12' minimum
 - Mechanics Steel Ruler – Machinist Rule
 - Steel Wire Brush
 - Standard Hex Key Wrenches or Folding Wrench Set .050" – 3/8"
 - Metric Hex Key Wrenches or Folding Wrench Set 2mm – 12mm
 - O-Ring Pick Set
 - Safety Glasses (per OSHA requirements)
 - Steel Toe Work Shoes (leather recommended, but not required)
 - Inspection Mirror
 - Tire Tread Depth Gauge
 - Mechanics Work Gloves (optional)

It is recommended that students begin their professional diesel technician career by purchasing mechanic grade, high-quality tools with a lifetime guarantee. Students have an excellent opportunity to purchase tools at a discount through many different vendors who support the program. Some of those tool deals with student discount programs are listed below. Those with local retail stores have (304) phone numbers listed.

Local retailers will be invite to participate in a "Tool Day" at our Montgomery campus at the beginning of the semester. Please check the college website or contact an instruction for date and time information.

[Fastenal – Technical Education Program](#)

(304)949-4371 – Belle, WV

(304)768-2611 – Dunbar, WV

[Ingersoll Rand – Student Program](#)

Ohio Tool Systems Inc.

(304) 755-5030

[MAC Tools – Student Tech Program](#)

1-800-MAC-TOOLS

[MatCo Tools – Technical Education Program](#)

1-800-331-2427

[SK Tools – Student Program](#)

Grainger Industrial Supply

(304) 744-1383

[SNAP-ON Industrial – Student Excellence Program](#)

M. Scott Edmunds

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