



One College Drive
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www.wccc.me.edu

Diesel & Automotive Engine Overhaul Tool List

The tools listed below must be of top quality, but do not have to be a particular brand or new. Students accepted in the Diesel & automotive engine overhaul program at Washington County Community College are expected to have certain tools prior to starting school. While you are expected to bring your tools during the first week of school, we have tool vendors that will be on campus the first or second week of classes that offer substantial discounts to WCCC students. If your set is incomplete or you would like to take advantage of the discounts, make sure you have money available to order and purchase at that time. Drafting supplies and books can be purchased through WCCC's Bookstore here at the College.

REQUIRED:

- Steel** tool box (lockable), bench top with a minimum of four sliding drawers or a roll-around bottom cabinet of similar design. Tool box(s) must have your name engraved or a name plate installed on it. Tools must be engraved.
- Adjustable wrench 10" and 15"
- Hex wrench set – standard and metric (socket type preferred)
- Torx bit socket set sizes T-8 through T-60
¼" socket set standard and metric
- 3/8" drive socket set including:
 - Standard and Metric 6-point sockets and 12-point sockets
 - Shallow and deep-Standard sizes 3/8" to 7/8"
 - Metric sizes 9mm – 19, 21, 22mm
- 3 extensions – 3", 6" and 12"
- 1 regular ratchet
- 1 ratchet
- Flex sockets – standard sizes 3/8" – 3/4" (metric sizes 10mm – 19mm also recommended)
- Spark plug sockets – 5/8" and 13/16"
- ½" drive socket set (not impact sockets) including:
 - 7/16" – 1 ¼" sockets (prefer 6 point)
 - 10mm-24mm shallow and deep
 - 2 extensions – 6" and 12"

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- 1 ratchet
 - 1 flex bar (minimum 18”(24” preferred))
- Combination wrench sets: Standard sizes 1/4” – 1 1/4”
 - Metric sizes 7mm – 24mm
- Flare nut wrench set (tubing wrenches):
 - 3/8” through 7/8” (metric 10mm through 17mm also recommended)
- Screwdriver set including:
 - Blade type – stubby, 6” 9” and 12” also offset
 - Phillips type – stubby, 6” #1 and #2, 12” #3 also offset #2
- Ball peen hammers – 16 oz., 32 oz. and 48 oz. mallets
- Plastic tipped hammer with replaceable tips
- Dead blow hammer- 2 lb. (3 lb. preferred)
- Brass Hammer or brass punch set
- Hacksaw and spare blades
- Slip joint pliers 8”
- Diagonal cutters 8”
- Channel lock pliers – 15” or longer
- Needle nose pliers 8”
- Vise grips 5” and 10” (Vise Grip brand preferred)
- Pry bars – rolling head and straight (not carpenter type)
- Feeler gauge set – go-no-go type
- Spark plug feeler gauge – wire-type gap tool
- 12-volt test light
- Punch and cold chisel set including aligning and pin punches with punch/chisel handle
- Drill bit set – 1/16” through 1/2”
- OSHA & UL approved 3-prong grounded
 - 25’ drop light
 - 25’ #16 gauge or heavier extension cord
- Flashlight
- Oil squirt can (large bench size)
- Permanent ink marker/paint pen (white or yellow)
- 12’ steel measuring tape (standard and metric preferred)
- 6” Vernier caliper digital
- Gasket scraper
- Folding razor blade scraper with spare blades
- Pocket knife with locking blades
- Mill file/bastard cut 10” or larger
- Telescoping: inspection mirror and a magnetic pick-up tool
- Claw-type pick-up tool
- Wire brush
- Leather work boots (steel-toed optional)
 - Must be leather work boots – NO sneaker type**
- OSHA approved safety glasses – **CLEAR** plastic lenses with side shields only.

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- NO colored or reflective lenses
- Second semester requirement Rebuildable Engine core with necessary parts for overhaul – preferably brought into the shop after Thanksgiving break.

Total Estimated Cost: \$2500

NOTE: Tool vendor websites have vocational or votech registration sections that you register yourself as a student to receive discount pricing.



WCCC Tool Vendor List

(Listed in Alphabetical Order)

FASTENAL

19 Boggy Brook Road
Ellsworth ME 04605
(207)667-9069

Matco Tools

www.matcotools.com
Votech Program

Gearwrench Tools

Glen Snyder
NH Bragg & Sons
92 Perry Road PO Box 927
Bangor ME 04402-0927
1.800.432.7950, Voice Mail 325
207.944.3436 Cell
gsnyder@nhbragg.com

Napa Auto Parts

Hal Deacon
Rier Auto Parts
Main Street, Calais ME 04619
207.454.2901

Johnson's True Value Hardware

100 North Street
Calais ME 04619
207.454.2551

Snap-on Industrial

Brett Garrett
Business Manager-Northeast Region
207.925-3974
Brett.a.garrett@snapon.com

MAC Tools

www.mactools.com
Student Tool Program

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