Washington County Community College
Calais, Maine
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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 venders 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. If a student has a question regarding the tool list, please contact your instructor Jake Mumme at 207 454-1075 or at jmumme@mainecc.edu.

Required:

1. 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.
2. Adjustable wrench 10" and 15"
3. Hex wrench set – standard and metric (socket type preferred)
4. Torx bit socket set sizes T-8 through T-60 ¼" socket set standard and metric
5. 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
6. 3 extensions – 3", 6" and 12"
7. 1 regular ratchet
8. 1 ratchet □ Flex sockets – standard sizes 3/8" – ¾" (metric sizes 10mm – 19mm also recommended)
9. Spark plug sockets – 5/8" and 13/16"
10. 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"
11. 1 ratchet 1 flex bar (minimum 18"(24" preferred))
12. Combination wrench sets: Standard sizes 1/4" – 1 ¼" Metric sizes 7mm – 24mm
13. Flare nut wrench set (tubing wrenches): 3/8" through 7/8" (metric 10mm through 17mm also recommended)
14. Screwdriver set including: Blade type – stubby, 6" 9" and 12" also offset Phillips type – stubby, 6" #1 and #2, 12" #3 also offset #2
15. Ball peen hammers – 16 oz., 32 oz. and 48 oz. mallets
16. Plastic tipped hammer with replaceable tips
17. Dead blow hammer- 2 lb. (3 lb. preferred) Brass Hammer or brass punch set
18. Hacksaw and spare blades
19. Slip joint pliers 8"
20. Diagonal cutters 8"

Washington County Community College is an equal opportunity/affirmative action institution and employer. For more information; please call Tatiana Osmond, Affirmative Action Officer, at 454-1040

Diesel & Automotive Engine Technology Tool List

Required:

20. Channel lock pliers – 15" or longer
21. Needle nose pliers 8"
22. Vise grips 5" and 10" (Vise Grip brand preferred)
23. Pry bars – rolling head and straight (not carpenter type)
24. Feeler gauge set – go-no-go type
25. Spark plug feeler gauge – wire-type gap tool
26. 12-volt test light
27. Punch and cold chisel set including aligning and pin punches with punch/chisel handle
28. Drill bit set – 1/16" through ½"
29. OSHA & UL approved 3-prong grounded 25' drop light 25' #16 gauge or heavier extension cord
30. Flashlight
31. Oil squirt can (large bench size)
32. Permanent ink marker/paint pen (white or yellow)
33. 12' steel measuring tape (standard and metric preferred)
34. 6" Vernier caliper digital
35. Gasket scraper
36. Folding razor blade scraper with spare blades
37. Pocket knife with locking blades
38. Mill file/bastard cut 10" or larger
39. Telescoping: inspection mirror and a magnetic pick-up tool
40. Claw-type pick-up tool
41.Wire brush
42. Leather work boots (steel-toed optional) **Must be leather work boots - NO sneaker type**
43. OSHA approved safety glasses – CLEAR plastic lenses with side shields only. **NO colored or reflective lenses**
44. Second semester requirement Rebuildable Engine core with necessary parts for overhaul – preferably brought into the shop after Thanksgiving break.

Total Estimated Cost: $2500

WCCC Tool Vendor List:

FASTENAL
19 Boggy Brook Road
Ellsworth, ME 04605
207-667-9069

Gearwrench Tools
Glen Snyder
NH Bragg & Sons
92 Perry Road PO Box 927
Bangor, ME 04402-0927
1-800-432-7950, Voicemail 325
207-944-3436 Cell
gsnyder@nhbragg.com

Johnson's True Value Hardware
100 North Street
Calais, ME 04619
207-454-2551

MAC Tools
www.mactools.com
Student Tool Program

Matco Tools
www.matcotools.com
Votech Program

Napa Auto Parts
Hal Deacon
Rier Auto Parts
Main Street, Calais, ME 04619
207-454-2901

ACE Hardware
Calais Ace Home Center
295 North Street
Calais, ME 04619
207-454-2309
www.calaisacehomecenter.com
rcaseatace1@gmail.com

Snap-on Industrial
Alyssa Vieira
207-595-5067
alyssa.vieira@snapon.com

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