

TO: Incoming automotive students – Fall 2023

FROM: Troy Lachance, Professor of Automotive Technology

SUBJECT: Required tools

The following information is indicative of last year's pricing and the cost for student packages should be similar this year.

BOOKS: The Automotive Technology program requires Fundamentals of Automotive Technology from CDX Automotive. **YOU MUST BUY THIS BOOK THROUGH THE BOOK STORE TO GET THE REQUIRED ONLINE ACCESS.**

FOOTWEAR: Students are also required to wear appropriate leather footwear in the lab area. No sneakers, we highly recommend purchasing steel or composite toe shoes.

TOOLS: Each student entering the Automotive Technology program is required to have a tool chest and a selection of basic tools. You may purchase the tools on your own or wait until you arrive in the fall. We will be having a Tool Day at the beginning of the semester (TBD), and you will be able to order one of the special packages (at a substantial discount) being offered to students from various vendors.

The tools sold from these companies are of good quality and in the past the prices have been competitive.

Snap-On: This company gives a good student discount. The college's required tool set, with the KRSC46HPC top chest sold for approximately \$3300.33, last year. If you are interested in this option, the Snap-On representative will take orders now or at the beginning of the semester. (Sales Rep. Joel Greene 802-355-8010)

Gearwrench: N.H. Bragg offers Gearwrench and Armstrong tools at a discount. The required set last year sold for \$1800 - \$2300, depending on options. (Sales Rep. Jason Proulx, 1-207-942-7357). jproulx@horizonsolutions.com Website: www.horizonsolutions.com

MAC Tools: This company gives the students a good discount. You can sign up for the Student Tech Program (STP) online by email at MAC.StudentTech@sbdinc.com. The required set last year sold for \$1600 - \$2500, depending on options. Web site: www.mactools.com

Matco Tools: This company also gives a student discount. The College's required tool set with MB2311BB Top Box sells for \$2289.68. Catalogs are available by calling 1-800-331-2427 or email votech@matcotools.com. You may also order the tools online at www.matcotools.com. *Register under the votech student to get the best prices.*

If you purchase a top chest and roll-a-way, please **do not bring the roll-a-way** to the College as space is limited.

I have enclosed a list of basic tools that you must have **no later than October 5**. This will enable each student to participate fully in lab/shop activities from the beginning of the program. **You will need work boots and safety glasses/goggles no later than September 9th.**

Where you purchase tools is your choice; however, you are advised that it is economically sound to buy **quality brands** from reliable dealers and request an educational discount. Try to stay away from the box store brands, as these are more for the do it yourselfer and not for professional technicians.

If you have any questions or concerns, please e-mail me or call the college and leave your name, telephone number, and good time that you may be reached, and I will attempt to get back to you in a timely manner.

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**WHITE MOUNTAINS COMMUNITY COLLEGE
REQUIRED AUTOMOTIVE TECHNOLOGY TOOL LIST**

Fall - 2022

PLIERS

Slip joint	7"
Spark plug boot	9"
Needle nose	7"
Channel lock	10"
Electrical service 10, 12, 14, 16, 18, 20, 22 - AWG	9"
Straight jaw vise grip	7"
Diagonal cutting	7"

3/8" DRIVE

Ratchet	
Extensions	1 1/2" 3" 6" 11"
Universal joint	
Spark plug sockets	13/16" 5/8"
Socket sets	8-21 mm 6 point metric deep 1/4-7/8" 6 point SAE deep
Hex head drivers (Allen)	1/8 -3/8" SAE
Torx driver set	T20, 25, 27, 30, 40, 45, 50, 55

1/4" DRIVE

Ratchet	
Extensions	2" 4"
Universal joint	
Socket set	3/16 – 1/2" SAE deep 6 - 13 mm, metric deep

MISC.

Feeler gauge set	steel
Hammer, ball peen	16 oz.
Hammer, plastic	16 oz.
Combination wrench sets	5/16 - 1" SAE 10 - 22 mm, metric
Test light	12 volt (not self-powered)
Tire pressure gauge	
Magnetic pickup tool	telescopic handle
Magnetic parts tray	6" minimum
Inspection mirror	telescopic handle
Wire brush	
Gapping tool	spark plug
Screwdriver set	flat and phillips
Gasket scraper	
Tire air chuck	w/fitting type C or T
Air blow gun	w/fitting type C or T
Punch and chisel set	10 - 12 pieces
Bronze punch set	2 - 3 pieces

Striker	for torches
Small flashlight	
Drill bits	with index, 1/16 - 1/4 in.
12-foot tape measure	1/2 in. wide
Spark Tester	for secondary ignition
Valve Core Tool	for tire valve stems
½" drive deep impact sockets	19mm, 21 mm, 22mm
Tool box	Upper chest must be no smaller than approximate dimensions of: 26" W x 12" D x 17" H (approx. 1700 sq. in) We recommend: 42" W x 18" D x 20" H (approx. 5000 sq. in) 45" W maximum toolbox allowed
