

**TO:** Incoming automotive students – Fall 2026

**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 OR THE ELECTRONIC VERSION THROUGH THE BOOK STORE TO GET THE REQUIRED ONLINE ACCESS CODE.**

**FOOTWEAR:** Students are also required to wear appropriate 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) offered to students from various vendors.

The tools sold by these companies are of good quality and in the past the prices were competitive.

**Sonic Tools: This is my first choice.** Fantastic tools at a very good price. Although this vendor does not attend our tool show, their tools and tool storage will be on hand for review and sale. Their tool set is approx. \$3800 but includes many extras that are not required for our auto program. Sales rep is Matthew Pugh, National Education Sales Manager. 334-750-8334 [matthew.p@sonictoolsusa.com](mailto:matthew.p@sonictoolsusa.com)

**Snap-On:** This company gives a good student discount. The college's required tool set, with the KRSC46HPC top chest sold for approximately \$3900, 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. Brett Payne) [brett.d.payne@snapon.com](mailto:brett.d.payne@snapon.com) 845-853-2305

**Gearwrench: Rexel** USA offers Gearwrench and Armstrong tools at a slight discount. The required set last year sold for \$2300-\$3000, depending on options. (Sales Rep. Don Banks) [don.banks@rexelusa.com](mailto:don.banks@rexelusa.com) 207-331-7430  
(Sales Rep. Alexis Tansill) [alexis.tansill@apextoolgroup.com](mailto:alexis.tansill@apextoolgroup.com) 813-415-7733.

**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](mailto:MAC.StudentTech@sbdinc.com). This vendor does not attend our tool show. Web site: [www.mactools.com](http://www.mactools.com)

**Matco Tools:** This company may give a student discount. Catalogs are available by calling 1-800-331-2427 or email [votech@matcotools.com](mailto:votech@matcotools.com). You may also order the tools online at [www.matcotools.com](http://www.matcotools.com). This vendor does not attend our tool show. *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 unless you have permission from the instructor.

I have enclosed a list of basic tools that you must have. This will enable each student to participate fully in lab/shop activities from the beginning of the program.

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.

E-mail: [tlachance@ccsnh.edu](mailto:tlachance@ccsnh.edu)

Phone: 603-342-3085

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

**All tools are recommended sizes. You do not have to get each tool exactly as described.**

**PLIERS**

Slip joint	7"
Spark plug boot	9"
Needle nose	7"
Channel lock	10"
Electrical service/wire stripping	9"
Straight jaw vise grip	7"
Diagonal cutting	7"

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**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 4mm-12mm metric
Torx driver set	T15,20, 25, 27, 30, 40, 45, 50, 55

## 1/4" DRIVE

Ratchet	
Extension	4"
Universal joint	
Socket set	3/16 – 9/16" SAE deep 6 - 14 mm, metric deep

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## MISC.

Feeler gauge set	steel
Hammer, ball peen	16 oz.
Hammer, plastic	16 oz.
Combination wrench sets	5/16 - 1" SAE 8 - 22 mm, metric
Test light	12 volt (not self-powered)
Tire pressure gauge	
Magnetic pickup tool	telescopic handle
Magnetic parts tray	
Inspection mirror	telescopic handle
Wire brush	
Gapping tool	spark plug
Screwdriver set	flat and phillips
Gasket scraper	
Air blow gun	
Punch and chisel set	10 - 12 pieces
Bronze punch set	2 - 3 pieces
Punch/Chisel holder	

Drill bits	with index, 1/16 - 1/2 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
Toolbox	Upper chest <b>must</b> be no smaller than approximate dimensions of: 26" W x 12" D x 17" H (approx. 1700 sq. in) <b>We recommend: 42" W x 18" D x 20" H (approx. 5000 sq. in)</b> upper chest. Rollaway chests or mobile carts are permitted if you choose to purchase one of those instead of an upper chest.

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