

# 2020 – 2021 Automotive Program MINIMUM Required Tool List

## FIRST YEAR

All Anoka Technical College Automotive Students are **required** to provide their own **Professional** quality set of hand tools and have them available for lab use each day that you are at school. The list that follows contains the **Minimum** tool requirements to start the **First Year** of our program. When you are employed as a technician, it is impossible to know what vehicles you will be working on that day or what specific tools you will need. The same is also true while you attend school at ATC. We have taken a great deal of time to reduce the tools required in our program to the bare minimum in order to reduce your initial expense. It is important to remember that **Professional** quality tools are an investment in yourself and your future career. To reduce your initial expense we have separated the tool requirements into a **First Year** and a **Second Year** set. Both sets are considered the **Minimum** tools that you will need as you attend our program and are **Required** as you start your first and second year. These tools will eventually be required on the job as an automotive technician.

Our program schedules a formal Tool Day each year in July. Representatives from a variety of professional tool manufacturers will attend. Although you are not obligated to purchase tools from these vendors, they can provide assistance with both tool selection and purchase options. The professional tool manufacturers do offer a discount of approximately 50% on the purchase of their tools through their respective Vocational Education programs. You will be eligible for this discount the entire time you are enrolled in our program. The Vocational Education pricing is **ONLY** available through this program and is not honored by the independent business owners driving the tool trucks that may stop at your place of employment.

You are responsible for the organization, care, storage, and security of your tools. You will be expected to provide tool storage. The school does not insure your tools. Most homeowner's insurance policies will cover some tools although there is usually a limit to that coverage. Insurance in excess of that limit will typically require an additional low-cost rider. Contact your insurance company for specific details. Internship work sites or some part-time jobs you may elect to participate in while attending school may require that you have additional tools.

***You are responsible for knowing what tools are required at your work site and transporting tools between school and work as required.***

- ¼" Drive Socket Set w/ Ratchet, Nut Driver Handle, Universal Joint, & 2", 4", & 6" Extensions- 6 pt. 4 to 15mm Standard & Deep sockets
- ⅜" Drive Socket Set- w/ Ratchet & U-Joint- 6 pt. 8 to 19mm
- ⅜" Drive Extensions- 1", 3", 6", & 11" long
- ⅜" Drive Long Flex Head Ratchet
- ⅜" Drive Deep Sockets- 6 pt. 8 to 19mm
- ⅜" Drive Hex Bit Sockets 4mm to 10mm
- ⅜" Drive Internal Torx Driver Set (including T8 to T55)
- ⅜" Drive Spark Plug Socket (13/16")
- ⅜" Drive Spark Plug Socket (5/8")
- ⅜" to ½" Drive Adapter
- ½" to ⅜" Drive Adapter
- ½" Ratchet
- ½" Drive Breaker Bar 18" minimum"
- ½" Drive Extensions 5" & 10"
- ½" Sockets Std. 12mm to 24mm
- ½" Drive 15 to 250 ft.lb. Digital Torque Wrench
- Combination Wrench Set- 6 to 25mm 10 to 19mm
- Flare Nut Wrench Set- 9 to 19mm\*\*\*
- 12" Adjustable Wrench
- Ratcheting Magnetic Screwdriver
- 3-4 piece Angled Pry Bar set
- 24 oz. Dead Blow Ball Peen Hammer
- Combination Pliers 7-8"
- Side Cutter Pliers (not Lineman's Pliers) 7-8"
- Adjustable Arc Joint Pliers 9-10"
- Needle Nose Pliers 7"
- Needle Nose Pliers 8"
- Vise Grip Pliers 8-10"
- Screwdriver Set (6 piece minimum) Standard & Phillips
- Wire Stripper/Cutter/Crimping Pliers
- Snap Ring Pliers, Interchangeable Tip
- Punch and Chisel Set (Pin, Starting & Center)
- Battery Cable Clamp Puller
- Battery Top Terminal Cleaner w/ Spring Steel cutting blades and brush for side terminals
- Rigid Gasket Scraper
- Flexible Gasket Scraper (Putty Knife)
- 2" Inspection Mirror
- HD Magnetic Pick-up Tool
- Magnetic Parts Tray
- Feeler Gauge- Standard- .0015"- .030"
- Feeler Gauge- Metric- .05 – 1.0mm
- Sparkplug Gap Gauge Wire style- Narrow Gap
- Sparkplug Gap Gauge Wire style- Wide Gap
- 2 Fender Covers
- Tire Pressure Gauge 100 psi Minimum
- Tire Tread Depth Gauge
- Tire Air Chuck w/ Milton Type M #727 Quick\*\*\* Connect Air Nipple
- TPMS Compliant Torque Limiting Schrader Valve Core Tool
- Electronic Ignition Spark Tester (KD2756 Spark Plug w/ Grounding Clip style)
- 10 to 12 foot Tape Measure
- Universal Door Panel Removal Tool
- Oil Filter Wrench socket set Kit
- Disc Brake Caliper Socket Set
- General Brake Service Kit with Brake Shoe Spring Tool, Star Wheel Adjustment Tool, & Universal Brake Hold Down Spring Tool
- Blow Gun- OSHA Approved w/ Milton Type M #727 Quick Connect Air Nipple
- 12 Volt **Incandescent** Test Light/Circuit Tester (NO LED test lights)
- Bed of Nails Style Alligator Clip- Red
- Ear Protection Headphone style with ear cups
- 2 pair Clear ANSI Z87.1 Safety Glasses
- 4 piece Mini Pick Set
- Hose Pick
- Fluke 88-5/A- Automotive Digital Multimeter Deluxe Kit with Storage Box, Lead Set, & Accessories (Fluke Model 88-V or 88-5 **ONLY**, no earlier versions accepted)
- Tool Storage Roller Cabinet (54" wide MAX)

## 2020 – 2021 Automotive Program MINIMUM Required Tool List SECOND YEAR

All Anoka Technical College Automotive Students are *required* to provide their own *Professional* quality basic set of hand tools and have them available for lab use each day that you are at school. Professional quality tools are an investment in yourself and your career.

The list that follows contains the *Minimum* tools *Required* to start the *Second Year* of our program.

Our program schedules a formal Tool Day each year in July. Representatives from a variety of professional tool manufacturers will attend. Although you are not obligated to purchase tools from these vendors, they can provide assistance with both tool selection and purchase options. The professional tool manufacturers do offer a discount of approximately 50% on the purchase of their tools through their respective Vocational Education programs. You will be eligible for this discount the entire time you are enrolled in our program. The Vocational Education pricing is *ONLY* available through this program and is not honored by the independent business owners driving the tool trucks that may stop at your place of employment.

You are responsible for the organization, care, storage, and security of your tools. You will be expected to provide secure tool storage. The school does not insure your tools. Most homeowner's insurance policies will cover some tools although there is usually a limit to that coverage. Insurance in excess of that limit will typically require an additional low-cost rider. Contact your insurance company for specific details. Internship work sites or some part-time jobs you may elect to participate in while attending school may require that you have additional tools.

*You are responsible for knowing what tools are required at your work site and transporting tools between school and work as required.*

- |                                                                                                                                                      |                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> 1/4" Drive Socket Set- 6 pt. 3/16" to 9/16" Std & Deep                                                                      | <input type="checkbox"/> 1/2" Drive Impact Wrench w/ Milton Type M#727 Quick Connect Air Nipple OR 1/2" Drive Cordless Impact Wrench |
| <input type="checkbox"/> 1/4" or 3/8" Drive Impact Driver w/ Milton Type M#727 Quick Connect Air Nipple OR 1/4" or 3/8" Drive Cordless Impact Driver | <input type="checkbox"/> 1/2" Drive 6 pt. Standard Impact Sockets 7/16" to 1"                                                        |
| <input type="checkbox"/> 3/8" Drive Socket Set- 6 pt. 3/8" to 13/16" Std & Deep                                                                      | <input type="checkbox"/> 1/2" Drive 6 pt. Standard Impact Sockets 15 to 25mm                                                         |
| <input type="checkbox"/> 3/8" Drive Extensions- 18" & 24" long                                                                                       | <input type="checkbox"/> Combination Wrench Set- 1/4" to 1"                                                                          |
| <input type="checkbox"/> 3/8" Drive External Torx Driver Set (E4 to E12)                                                                             | <input type="checkbox"/> Flare Nut Wrench Set- 3/8" to 13/16"                                                                        |
| <input type="checkbox"/> 1/4" to 3/8" Drive Adapter                                                                                                  | <input type="checkbox"/> Side Terminal Battery Wrench- Ratcheting                                                                    |
| <input type="checkbox"/> 3/8" to 1/4" Drive Adapter                                                                                                  | <input type="checkbox"/> Torx Screwdriver Set T10 to T30                                                                             |
| <input type="checkbox"/> 3/8" Drive 10 to 100-150 ft.lb. Digital Torque Wrench                                                                       | <input type="checkbox"/> 3 to 4 lb. Hand Drilling Hammer                                                                             |
| <input type="checkbox"/> 3/8" Drive Ratchet w/ Milton Type M#727 Quick Connect Air Nipple OR 3/8" Cordless Ratchet                                   | <input type="checkbox"/> Wheel Cover Removal & Installation Mallet                                                                   |
| <input type="checkbox"/> 3/8" Drive Impact Sockets- 6 pt. 8 to 19mm Std & Deep                                                                       | <input type="checkbox"/> 10" Mill File & Handle                                                                                      |
| <input type="checkbox"/> 3/8" Drive Impact Sockets- 6 pt. 3/8" to 13/16" Std & Deep                                                                  | <input type="checkbox"/> Antifreeze/DEF Refractometer                                                                                |
| <input type="checkbox"/> 1/2" Drive Extensions 12" & 18"                                                                                             | <input type="checkbox"/> LED Trouble Light corded or cordless                                                                        |
| <input type="checkbox"/> 1/2" Drive Internal Torx Driver T60                                                                                         | <input type="checkbox"/> LED Penlight or Pocket Flashlight                                                                           |

It is suggested that you purchase as many tools as you can afford while you are in school. The Vocational Education programs end when you are no longer attending school, as do the discounts. You will never be able to buy tools at the prices that are offered while you are enrolled at Anoka Tech. Consult with other technicians that you work with to get an idea of what additional tools to consider purchasing as you start your career.