

Automotive Program MINIMUM Required Tool List



All Anoka Technical College Automotive Students are **required** to provide their own **Professional** quality basic set of hand tools available for use each day you are at school. You are responsible for the care and security of your tools. You are expected to provide any necessary tool storage & security or locking mechanisms. A formal Tool Day is scheduled sometime in July of each year and representatives from a variety of professional tool manufacturers are represented. In addition, some tool vendors visit the ATC Automotive Department periodically throughout the school year. They can provide assistance in tool selection and purchase options. The school does not insure your tools. Contact your insurance company for details on insurance procedures. Review, understand, and sign the Automotive Program's Tool Policy. Internship work sites or some part-time jobs you may elect to participate in while attending school may also require that you have a second basic tool set.

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

- ¼" Drive Socket Set w/ Ratchet & Extensions- 6 pt. 3/16" to 9/16" Std & Deep
- ¼" Drive Sockets- 6 pt. 5.5 to 13mm Std & Deep
- ⅜" Drive Socket Set- w/ flex head Ratchet (10 inch minimum) & U-Joint- 6 pt. ⅜" to 13/16"
- ⅜" Drive Extensions- 3", 6", 18", & 24" long
- ⅜" Drive Sockets- 6 pt. 8 to 19mm
- ⅜" Drive Deep Sockets- 6 pt. ⅜" to 13/16"
- ⅜" Drive Deep Sockets- 6 pt. 8 to 19mm
- ⅜" Drive Medium or Deep Impact Swivel Sockets- 6 pt. 10 to 19mm
- ⅜" Drive ¼" Hex Bit Driver
- ⅜" Drive 5/16" Hex Bit Driver
- ⅜" Drive ⅜" Hex Bit Driver
- ⅜" Drive 8mm Hex Bit Driver
- ¼" and/or ⅜" Drive Internal Torx Driver Set (T10 up to & including T40, T45, T47, T50, T55, & T60)
- ⅜" Drive External Torx Driver Set (E4 to E12)
- ⅜" Drive Spark Plug Socket (13/16")
- ⅜" Drive Spark Plug Socket (5/8")
- ¼" to ⅜" Drive Adapter
- ⅜" to ¼" Drive Adapter
- ⅜" to ½" Drive Adapter
- ½" to ⅜" Drive Adapter
- ½" Drive Breaker Bar 24"
- ½" Drive Extensions 3" & 6"
- ½" Drive Ratcheting 150 ft. lb. Split Beam Style Click Torque Wrench
- Combination Wrench Set- ¼" to 1"
- Flare Nut Wrench Set- ⅜" to 13/16"
- Combination Wrench Set- 6 to 25mm
- Flare Nut Wrench Set- 9 to 21mm
- Hex Wrench Set- Standard
- Hex Wrench Set- Metric
- Side Terminal Battery Wrench- Ratcheting
- Battery Cable Clamp Puller
- Battery Top Terminal Cleaner w/ Spring Steel cutting blades and brush for side terminals
- Feeler Gauge- Standard- .0015"- .025"
- Feeler Gauge- Metric- .05 – 1.0mm
- 2 Sparkplug Gap Gauges (Wire AND Ramp styles)
- Screwdriver Set (8 piece minimum) Standard & Phillips
- 2- Pocket Screwdrivers- 1 Straight & 1 Phillips Blades
- 18-24" Angled Pry Bar with Handle
- Fender Cover- 2
- 3 or 4 lb. Hand Drilling Hammer
- 24 oz. Ball Peen Hammer
- Rubber Mallet
- Pliers 7-8"
- Side Cutter Pliers (not Lineman's Pliers) 7-8"
- Adjustable Arc Joint Pliers 10"
- Needle Nose Pliers 8"
- Vise Grip Pliers 8-10"
- Wire Stripper/Cutter/Crimping Pliers
- File Set w/ Handles (Round, Triangular, Mill)
- Punch and Chisel Set (Pin, Starting & Center)
- Gasket Scraper
- Tire Pressure Gauge
- Tire Tread Depth Gauge
- Tire Air Chuck w/ Milton Type M #727 Quick Connect Air Nipple
- TPM Compliant Torque Limiting Schrader Valve Core Tool
- Antifreeze Tester
- LED Trouble Light
- LED Penlight or Pocket Flashlight
- Electronic Ignition Spark Tester (KD2756 Spark Plug w/ Grounding Clip style)
- 2" Inspection Mirror
- HD Magnetic Pick-up Tool
- Magnetic Parts Tray
- 10 to 12 foot Tape Measure
- Scribe- Straight & 90°
- Universal Door Panel Removal Tool
- Oil Filter Wrench- Small
- Oil Filter Wrench- Large
- Brake Star Wheel Adjustment Tool
- Brake Shoe Spring Tool (KD280 or equivalent, NOT Pliers)
- Universal Brake Hold Down Spring Tool (KD2774 or equivalent)
- ½" Drive Impact Wrench w/ Milton Type M #727 Quick Connect Air Nipple
- ½" Drive 6 pt. Impact Socket Set 7/16" to 1"
- ½" Drive 6 pt. Impact Socket Set 13 to 27mm
- Blow Gun- OSHA Approved w/ Milton Type M #727 Quick Connect Air Nipple
- 12 Volt Incandescent Test Light/Circuit Tester (NO LED test lights)
- 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)
- Bed of Nails Style Alligator Clip- Red
- Ear Protection Headphone style with over the ear muffs
- 2 pair Clear ANSI Z87.1 approved Safety Glasses
- 1 Box of Nitrile Gloves
- Tool Storage Roller Cabinet (54" wide MAX)