



# Student Tool List

---

## Automotive Technology

### Regional Technology Center

The following sections of tools are necessary to provide the student with the proper gear to perform assigned hands-on repairs as each automotive class progresses. The tool list is broken down into components to cover the *basic requirements* and each *individual class requirement*.

Mott Community College Automotive Lab *Does Not* recommend any particular brand of tools or vendor. Each student is free to choose his/her own tools and source of supply.

Successful completion of the laboratory portion of each class is dependent on individuals having their own tools to perform the labs, in a timely fashion. The school does not supply basic hand tools to complete classes. Specialized tools are provided as needed by the instructor.

**\*Basic hand tools are NOT furnished\***

# Basic Automotive Tool Set:

Required for ALL AUTO Lab Classes

<b>3/8 Drive Socket Set</b>	5/16" – 7/8" 10mm – 19mm 5/8" Spark Plug Socket Ratchet Socket Extensions	U.S. Standard Metric  3" and 6"
<b>Combination Wrench Set</b>	3/8" to 1" 8mm – 19mm	U.S. Standard Metric
<b>Screwdrivers</b>	#1 & #2 4" & 8"	Phillips Standard
<b>Punch and Chisel</b>	Center Punch Starter Punch (Tapered) ¼" & 1/8" Drift Punch 3/8" Chisel & Flat 5/8" Chisel & Flat	
<b>Adjustable Joint Pliers</b>	2 ½" Opening	
<b>Standard Pliers</b>	6"	
<b>Needle Nose Pliers</b>	8"	
<b>Side Cutting Pliers</b>	8"	
<b>Hex Key Wrench Set</b>	.028 – 3/8" 1.5mm – 6mm	U.S. Standard Metric
<b>Ball Peen Hammer</b>	32 ounce or larger	
<b>Plastic Hammer</b>	16 ounce	
<b>Vice Grip Pliers</b>	8" – 10"	
<b>Safety Glasses</b>	Z-87	
<b>Tool Box - <u>Portable</u></b>	Roll type cabinet <b><u>NOT</u></b> recommended	
<b>Tape Measure</b>	25'	
<b>Air Chuck</b>		
<b>Blow Gun with Rubber Tip</b>		
<b>Tire Gauge</b>		
<b>Feeler Gauge</b>		
<b>Gasket Scraper</b>	(Putty Knife)	
<b>Digital Volt-Ohm Meter (DVOM)</b>	CAT III w/Min/Max	1000 Volt Craftsman Pro Series
<b>Test Light</b>	12 volts	
<b>Flash Light</b>	Pen light	Pocket size

<b>Ignition &amp; Fuel Systems</b> <i>(Additional to Basic Set)</i>		<b>Tune-up</b> <i>(Optional)</i>	
Line Wrenches Adjustable Wrench Spark Plug Simulator Noid Light Set Pliers	14mm – 18mm 1" opening minimum   Crimping & Stripping	Vacuum/Pressure Gauge Compression Tester	
<b>Brakes</b> <i>(Additional to Basic Set)</i>		<b>Electrical Systems (AUTO-262)</b> <i>(Additional to Basic Set)</i>	
Star Wheel Adjuster Retainer Spring Remover Brakes Spring Pliers Torx Sockets – 3/8" Hex (Allen) Socket – 3/8" Bleeder Wrenches Line Wrenches	T30 – T60 3/8" 8mm – 10mm 10mm – 14mm	1/4" Drive Socket Set w/ Extensions & Ratchet  Nut Driver Handle Pliers	U.S. & Metric 3/16" – 9/16" (6 pt) 5.5mm – 13mm (6 pt) 1/4" Drive Crimping & Stripping
<b>Engine Theory &amp; Repair</b> <i>(Additional to Basic Set)</i>		<b>Air Conditioning &amp; Heating</b> <i>(Additional to Basic and Electrical Sets)</i>	
1/2" Drive Socket Set  Torque Wrench	Metric 10mm-19mm Ratchet, Extensions Breaker Bar 1/2" Beam or Ratchet	1/4" Drive Socket Set w/ 1/4" Drive Handle DVOM - AC Temp Probe	5.5mm – 13mm (6 pt)
<b>Transmission &amp; Drivelines</b> <i>(Additional to Basic Set)</i>		<b>Suspension &amp; Alignment</b> <i>(Additional to Basic Set)</i>	
Snap Ring Pliers Brass Drift Punch Pick Set	Flat & Needle Tip Diameter 1/2" – 3/4"	1/2" Drive Socket Set	(Impact optional) Metric 10mm-19mm