



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

3/8 Drive Socket Set	5/16" – 7/8" 10mm – 19mm 5/8" Spark Plug Socket Ratchet Socket Extensions	U.S. Standard Metric 3" and 6"
Combination Wrench Set	3/8" to 1" 8mm – 19mm	U.S. Standard Metric
Screwdrivers	#1 & #2 4" & 8"	Phillips Standard
Punch and Chisel	Center Punch Starter Punch (Tapered) ¼" & 1/8" Drift Punch 3/8" Chisel & Flat 5/8" Chisel & Flat	
Adjustable Joint Pliers	2 ½" Opening	
Standard Pliers	6"	
Needle Nose Pliers	8"	
Side Cutting Pliers	8"	
Hex Socket Set	5/64 – 3/8" 3mm – 10mm	U.S. Standard Metric
Ball Peen Hammer	32 ounce or larger	
Plastic Hammer	16 ounce	
Vice Grip Pliers	8" – 10"	
Safety Glasses	Z-87	
Tool Box - <u>Portable</u>	Roll type cabinet <u>NOT</u> recommended	
Tape Measure	25'	
Air Chuck		
Blow Gun with Rubber Tip		
Tire Gauge		
Feeler Gauge		
Gasket Scraper	(Putty Knife)	
Digital Volt-Ohm Meter (DVOM)	CAT III w/Min/Max	1000 Volt Craftsman Pro Series

Test Light	12 volts	
Flash Light	Pen light	Pocket size

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