



Automotive Technology

Regional Technology Center

Student Tool List

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

Mott Community College Auto 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, in a timely fashion, as 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 Tool Set:

Required For All Lab Classes



3/8 Drive Socket Set	5/16" - 7/8" 10mm - 19mm 5/8" Spark Plug Socket Ratchet Extensions	U.S. Standard Metric 3" & 6"
Combination Wrench Set	3/8" to 1" 8mm to 19mm	U.S. Standard Metric
Screwdrivers	#1 Phillips #2 Phillips 4" Standard 8" Standard	
Punch and Chisel	Center Punch Starter Punch (Tapered) 1/8" Drift Punch 1/4" Drift Punch 3/8" Chisel & Flat 5/8" Chisel & Flat	
Adjustable Joint Plier	2 1/2" Opening	
Standard Plier	6"	
Needle Nose Plier	8"	
Side Cutting Plier	8"	
Hex Key Wrench Set	.028 - 3/8" U.S. Standard 1.5 – 6mm Metric	
Ball Peen Hammer	32 oz. or larger	
Plastic Hammer	16 oz.	
Vise Grip Plier	8" – 10"	
Safety Glasses	Z-87	
Tool Box-Portable	Roll type <i>NOT</i> recommended	
Tape Measure	6'	
Air Chuck		
Blow Gun with Rubber Tip		
Tire Gauge		
Feeler Gauge	Flat	
Gasket Scraper	(Putty Knife)	
Digital Volt-Ohm Meter (DVOM)	CAT 111 w/Min/Max	
Test Light	12 volts	

Ignition & Fuel Systems Tune-up & Troubleshooting <i>(Additional to Basic Set)</i>	Tune-up <i>(Optional)</i>
Spark Plug/Feeler Gauge Round Flare Nut Wrenches 14-18mm Adjustable Wrench Min opening 1" Spark Plug Simulator (2) ST125 Noid Light Set Pliers Stripping & Crimping	Vacuum/Pressure Gauge Compression Tester
Brakes <i>(Additional to Basic Set)</i>	Air Conditioning & Heating <i>(Additional to Basic & Electrical Set)</i>
Star Wheel Adjuster Retainer Spring Remover Brakes Spring Pliers T30 – T60 Torx Sockets – 3/8" Drive Hex (Allen) Socket – 3/8" 8mm Drive 1/4" 3/8" Bleeder Wrenches 8-10mm Line Wrenches 10-14mm	1/4" Drive Socket Set U.S. Metric and Standard Sizes 1/4" Drive Handle 7/32" – 7/16" (6pt) 5.5mm – 13mm (6pt) Temp Probe for DVOM
Transmission & Drivelines <i>(Additional to Basic Set)</i>	Suspension & Alignment <i>(Additional to Basic Set)</i>
Snap Ring Pliers Flat & Needle Tip Brass Drift Punch Diameter 1/2 - 3/4" Pick Set	1/2" Drive Impact Socket Set
	Electrical Systems Auto-262 & Auto-212 <i>(Additional to Basic Set)</i>
	1/4" Drive Socket Set U.S. & Metric 3/16-9/16 (6pt) 5.5 to 13mm (6pt) Ratchet, Extensions & Breaker Bar Nut Driver Handle 1/4" Drive Pliers Stripping & Crimping
	Engine Overhaul <i>(Additional to Basic Set)</i>
	1/2" Drive Socket Set 7/16" to 1 1/8" Ratchet, Extensions, Breaker Bar Torque Wrench 1/2" Beam or Ratchet Type