

AUTOMOTIVE TECHNOLOGY TOOL REQUIREMENT SHEET

We understand that many students are not in a position to buy an expensive tool set. Therefore the school provides 95% of the tools necessary during the two years of training. However, there is a small amount of required hand tools that will be needed for the course. They can be tools that you may already have in your garage or cellar. To further ease any financial burdens, we only require a portion of the necessary tools to be available for the first day of the first semester. The second portion of the list will be required at the beginning of the second semester. Pricing and Order Codes for the tools below can be found by clicking on the [tool lists located on the Stevens website](#).

THE FOLLOWING IS A LIST OF THE TOOLS NEEDED TO START THE FIRST SEMESTER OF SCHOOL:

1. Tool storage box with lock: for comparison look at Sears # 0096542700 4 drawer box as an absolute minimum size! Better to try for a seven drawer box, Sears # 00965786000 All tool boxes must have a lock (large roll cabinets or bottom chests are not needed, nor do we have the room for them)
2. Thick soled work shoes or boots. (absolutely no sneakers allowed.)
3. 3/8" square drive handles and extensions: ratchet, 3" extension, 6" extension
4. Screwdrivers: Standard flat blade tip - 1/4" x 1-5/8", 1/4" x 6", 5/16 x 6", Phillips tip #1, #2 (Look for a basic set with #1 and #2 sizes with long and short assortments)
5. Pliers: Diagonal cutting, slip joint
6. Wire brush with wooden handle
7. 12" adjustable wrench
8. A 6" precision (machinist) measuring rule. (Don't buy a thin flimsy rule)
9. Spark plug sockets: 3/8" drive 13/16", and 5/8"
10. A simple pocket calculator.
11. A tire tread depth measuring gauge (Try Advance Auto Parts)
12. Feeler gauges: Ignition mini set, Standard Flat gauges, & Spark plug wire gauge
13. Tire pressure gauge (Buy a good one)
14. Hammers: 1-16 oz. Ball Peen and 1-16 oz. plastic tipped hammer
15. 15. Punches and Chisels: 3/32", 3/16", 1/4" – starter/tapered punches, 7/16", 1/2", 5/8" cold chisel, 3/16", 1/4", 5/16" – pin/straight punches (Best to buy a set)
16. 1/4" square drive sockets: sizes 5/32" thru 1/2", 8mm thru 12mm
17. 1/4" square drive handles and extensions: ratchet 2" extension, & a 6" extension
18. Combination Box/Open End Wrenches: Sizes 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, and 18mm. If you already purchased BOTH box and open end in the listed sizes, that will be ok.

19. 3/8" OR 1/2" Square Drive (Metric Sockets) ANY COMBINATION: Sizes 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, and 18mm.

THE FOLLOWING TOOLS ARE REQUIRED TO START THE SECOND SEMESTER IN JANUARY:

1. Pliers - 6" needle nose, 7" standard vise grips, & battery terminal pliers (Try Auto Zone)
2. Adapters: 1/2" drive to 3/8" and 3/8" drive to 1/2"
3. Minimum of four 18 gauge 18" long test leads with alligator clips for electrical tests.
4. MOST IMPORTANT: a "DVOM" electrical test meter (also called a Digital Volt Ohms Meter, or a Multimeter). We will use the snap-on multi-meter on the snap-on tool list. Please talk to your instructor with any questions about the meter.

By successfully completing your first year in the automotive technology program, you have made the obvious commitment to succeed. You should now concentrate on acquiring the necessary tools for your eventual employment. The instructors can help with the suggested list of tools that you would be expected to have in the workplace.

TOOLS THAT WILL BE REQUIRED TO BEGIN THE THIRD SEMESTER (TO BEGIN THE SECOND YEAR).

1. 3/8" square drive sockets: sizes - 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"
2. Combination box-open-end wrenches: sizes 3/8" thru 3/4", seven sizes needed.
3. 1/2" Square Drive Sockets: Sizes 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 7/8", 15/16", and 1", also including a 1/2" Drive Breaker Bar, 1/2" Drive Ratchet, 1/2" Drive Extensions (5" and 10" in length)
4. A 1/2" drive torque wrench 10 to 175 pound range. A minimum would be a "beam type". A preferred type would be a "micrometer click type"