



## Washington County Community College

### Automotive Technology Tool List



Students accepted in the Automotive Technology program at Washington County Community College are expected to have certain tools for this program. If you would like to purchase your tools prior to starting school, or have any questions regarding this matter, please call your instructor **Ron O'Brian @ 454-8460**. He will supply you with vendors' names that provide the tools at a discount, and he will also answer your questions.

While you are expected to bring your tools during the first week of school, we have tool vendors that will be on campus the first or second week of classes that offer substantial discounts to WCCC students. If your set is incomplete or you would like to take advantage of the discounts, make sure you have money available to order and purchase at that time. Drafting supplies and books can be purchased through WCCC's Bookstore here at the College.

The tools listed below **must** be of top quality, but do not have to be of a particular brand or new.

Steel tool box (lockable), Bench top with a minimum of four sliding drawers or a roll around bottom cabinet of similar design. Tool box(s) **must** have your name engraved or a name plate installed on it. Tools **must** be engraved.

Adjustable wrench 12"

Hex wrench set standard and metric (socket type preferred)

Torx bit socket set sizes T-8 thru T-60

1/4" drive socket set including:

Standard and metric sockets (deep sockets also recommended)

2 extensions- 3" & 6"

1 ratchet

3/8" drive socket set including:

Standard and Metric 6 point sockets & 12 point sockets

Shallow and Deep- Standard Sizes 5/16" to 7/8"

Metric sizes 9mm-19, 21,22mm

3 extensions- 3" 6" & 12"

1 regular ratchet

1 flex head ratchet

Flex sockets- standard sizes 3/8"- 3/4" (metric sizes 10mm – 19mm also recommended)

Spark plug sockets- 5/8" & 13/16"

1/2" drive socket set including:

7/16" – 1 1/4" sockets (prefer 6 point)

2-extensions- 6" & 12"

1-ratchet

1-flex bar (minimum 18")

Combination Wrench sets: Standard sizes 1/4" – 1 1/4"

Metric sizes 7mm-24mm

Flare nut wrench set (tubing wrenches):

3/8" through 7/8" (Metric 10mm through 17mm also recommended)

Screwdriver set including:

Blade type- Stubby, 6", 9", & 12" also offset

Phillips type- Stubby, 6" #1 & #2, 12" #3 also offset #2

Ball peen hammers- 16 oz, 32 oz & 48oz mallet

Plastic tipped hammer with replaceable tips

Dead blow hammer- 2lb. (3lb preferred)  
Hacksaw & spare blades  
Pair slip joint pliers 8"  
Pair diagonal cutters  
Pair channel lock pliers- 15" or longer  
Pair needle nose pliers 8"  
Vise grips 5" & 10" (Vise Grip brand preferred)  
Pry bars- rolling head & straight (not carpenter type)  
Feeler gauge set- go-no-go type(May be purchased at Napa Auto Parts or Snap-on Tools)  
Spark plug feeler gauge- wire type gap tool  
12 volt test light  
Punch & cold chisel set including aligning & pin punches with punch/chisel handle  
Drill bit set- 1/16" thru 1/2"  
OSHA & UL Approved 3-prong grounded-  
25' Drop light  
25' #16 gauge or heavier extension cord  
Flashlight  
Oil squirt can (bench size)  
Permanent Ink marker/paint pen(white or yellow, WCCC Bookstore)  
12' Steel measuring tape (standard and metric preferred)  
6" Machinist ruler  
0-6"/ 0-125mm Vernier Caliper (any style- dial or digital)  
Gasket scraper  
Folding razor blade scraper w/spare blades  
Pocket knife w/locking blades  
Mill file/bastard cut 10" or larger  
Telescoping: inspection mirror  
Magnetic pick-up tool  
Claw type pick up tool  
Wire brush  
Safety-toed work boots or shoes (steel-toed optional)  
Must be leather work boots- NO sneaker type  
Coveralls  
OSHA Approved Safety glasses- CLEAR plastic lenses with side shields only.  
NO colored or reflective lenses  
Basic function calculator

### **OPTIONAL ITEMS**

Quality hand impact driver  
Brass punches  
1/2" drive deep sockets  
Tire service set including: Pressure & tread depth gauges w/ valve core remover  
Brake tool service set  
Vacuum/pressure gauge  
10 Mega OHM Digital Multi-meter  
Screwdriver handle pry bar set

FILE: WP-AUTOTOOL  
REV.: 7/09/04

Instructor's Signature \_\_\_\_\_  
Approx. Tool Cost: \$1300 - \$1600