



WASHINGTON COUNTY COMMUNITY COLLEGE



Engine Specialist Tool List

Students accepted in the Engine Specialist program at Washington County Community College are expected to have certain tools prior to school.

If you would like to purchase your tools prior to starting school, please call **Todd Lerke @ 853-4772** and he will supply you with vendors' names that provide the tools at a discount.

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 and a 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
½" 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-ENGTOOL
REV.: 7/09/04

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