



REQUIRED TOOLS LIST – 2024

MUST HAVE TOOLS ON CAMPUS PRIOR TO START OF CLASSES

Wrenches

Combination Wrench set (8mm - 24mm)

Ratchets and Sockets

½" deep impact sockets all 10_{mm} - 24_{mm}

½" drive to 3/8" adapter

½" drive universal impact

½" drive ratchet

3/8" drive sockets (6 point) 8-19mm

3/8" drive 3", 6" & 12" extensions

3/8" drive to ¼" adapter

3/8" drive universal impact

3/8" Ratchet

¼" drive socket set with ratchet & extensions

Hex Key sockets 4mm - 10mm

Torx bit sockets (male & female) T8-60

Spark plug sockets (9/16", 5/8" & 13/16")

Screwdrivers

Screwdriver set (Common & Phillips)

24" Pry-bar

Pliers

Slip-joint Pliers

Needle-nose pliers

Locking - vise grip pliers

10" channel lock pliers

Diagonal cutters

Hammers

Hammer (soft face)

Hammer ball peen (large & small)

Hammer Dead blow

Test Equipment

Test light (12 volt)

Electrical test leads i.e.

Cornwell: TE22900, Matco: TLS320, Snap-on: MTTL300

Other

Thermometer (1" or 1-3/4" dial)

Scraper (razor blade)

Feeler gauges (metric)

4 Piece pick set

Steel rule (6")

Tire tread depth gauge

Tire valve core remover

Safety glasses

Brake pad thickness gauge set

Tire inflator with gauge with tru-flate "T" fitting

Tape measure (std/metric)

Telescoping magnet

LED work light

Hearing protection

Approved work Clothes & leather work boots

Service cart 2-3 drawer (max size 24" X 36")

Laptop/PC

Note:

The expenses associated with the following tools are included in the course fees for Auto1012M Electrical Systems. These tools will be ordered by the Automotive Department.

- Standard click-type torque wrench (1/2" drive)
- 1/2" drive impact
- Fluke auto-ranging meter (88-V Required)

- Manchester Community College is not responsible for lost, damaged, stolen or abandoned tools etc.
- Tools are a required component of the Automotive Technology program.
- All tools must be on campus for the first week of class & are required for all classes.
- Toolboxes/carts must be marked with your name.
- Tools left behind as no show, dropping, or graduation will be considered abandoned after 6 months.

Signature: _____