



## Automotive Technology Tool List

Beloit Campus

2020-2021

Following are the required tools for the **Automotive Technology** program. These tools can be purchased from the vendor of your choice. All tools are to be of professional quality. Tools will be inspected prior to being used in the department. The department reserves the right to refuse the use of worn or defective tools or tools which do not conform to the specifications of this list and the department chairperson.

### Required Tools and Equipment

#### **Sockets (All sockets excluding ½" drive must be 6 point Chrome!!!):**

##### **1/4" Drive:**

Metric Shallow 4mm-15mm

Metric Deep 4mm-15mm

Standard Shallow 3/16"-9/16"

Standard Deep 3/16"-9/16"

1/4" Ratchet Short Handle

1/4" Ratchet Long Handle Wobble Head

1/4" Extensions Kit

1/4" Driver Handle

##### **3/8" Drive:**

Metric Shallow 8mm-19mm

Metric Deep 8mm-19mm

Standard Shallow 1/4"-7/8"

Standard Deep 1/4"-7/8"

3/8" Short Handle Ratchet

3/8" Long Handle Wobble Head Ratchet

3/8" Extensions Kit

3/8" Extension 24" Long

3/8" Speeder Wrench

Spark Plug Socket Set

##### **1/2" Drive:**

1/2" Drive Deep Metric Impact Socket set (10mm-24mm)

20MM

21MM

22MM

23MM

24MM

1/2" Drive Deep SAE Impact Socket set (3/8"-1 1/8")

1/2" Breaker Bar

1/2" Long Handle Ratchet

1/2" Drive Extensions Kit

Torx Driver Set T-8 - T-60

Inverted Torx Drivers E-8 - E20

1/2"-3/8" Adapter

3/8"-1/2" Adapter  
3/8"-1/4" Adapter  
Universal Joint Set 1/4" 3/8" 1/2"

**Wrench Sets:**

Standard Combo 5/16"-1"  
Metric Combo 8mm-19mm, 21mm  
Standard Double end Flare Nut Wrench Set  
5 pc. 1/4" x 5/16" - 3/4" x 13/16"  
Metric Double End Flare Nut Wrench Set  
6pc. 9mm-21mm  
Metric Hex Wrench Set (Allen Wrench)  
Standard Hex Wrench Set (Allen Wrench)  
12" Adjustable Wrench (Crescent Wrench)

**Pliers:**

7" Needle Nose Pliers (Approx.)  
8" Slip Joint Pliers (Approx.)  
7" Diagonal Cutter (Approx.)  
9" Adjustable Joint Pliers (Approx.)  
Vise Grip Set (2 curved jaw 2 needle nose)  
Wire Strippers/Crimpers

**Additional Tools:**

10 pc Screwdriver Set (5 Standard & 5 Phillips)  
(Phillips need to go up to #4)  
Radiator Hose Tool  
16 oz Ball Peen Hammer  
48 oz Ball Drilling Hammer  
21 oz Soft Face Dead Blow Hammer  
48 oz Soft face Dead Blow Hammer  
Punch and Chisel Set Including Center Punch  
Hacksaw with 12" Blades  
Wire Brush Small Stainless Steel (ToothBrush)  
Work Light/Drop Light  
Flash light  
12' Tape measure  
Carbon Scraper 7/8"  
Putty Knife 1 1/2" Blade  
Inspection Mirror 2 1/4"  
Magnetic Pick up tool  
16" Rolling Head Pry Bar  
Pry Bar Set 4 pcs. With Handles  
4 pc. Mini Pic Set  
Feeler Gauge Set 25 Blade Universal  
Spark Plug Gaper (Wire Gauge preferred)  
(Ramp Gauge Not Recommended)  
Test Light 6-12 V Circuit Tester  
Brake Tool Set  
Brake Caliper Depreser X 2

Battery Terminal Service set  
Air Chuck  
Rubber Tipped Blow Gun  
Tire Gauge 20-100 PSI  
Creeper  
Tool Engraver 110 Volt  
Safety Glasses  
Safety Goggles  
50-250 Ft lbs Torque Wrench  
Oil filter Tool  
Funnel  
Fender Cover  
Spark Tester  
Coolant tester  
Cable Style Spring Clamp Pliers  
Door Trim Tool

**Note: Students will need to purchase or bring a tool box that locks to store their tools in.**

**\*Due to space restrictions the maximum width of tool box allowed is 55".**

**All students need to have their tools by the end of the first week of school unless prior arrangements have been made with the instructor.**

**Estimated Cost: \$4000.00**

**Note: Estimated costs reflect current market value and are subject to change.**

**Vendor Information:**

Tools may be purchased from the following vendors: MATCO, MAC, Snap-On Tools, Wilde or the supplier of student choice. Please contact the Department Chair with questions or for further information.