



**ILLINOIS VALLEY  
COMMUNITY COLLEGE**

**IVCC**  
**Automotive Department**  
**Minimum Required Tool List**

The tools listed below are minimum requirements. Students may purchase these tools from any vendor(s) that they want to. Students should check with the automotive instructors to find out how to contact the tool vendors, order their tools, and how much of a discount they can receive from them.

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**Fall 2021/Spring 2022/Summer 2022**

Screwdrivers - (5 PCS)

1. 12" Straight Blade
2. 9" Straight Blade
3. 6" Straight Blade
4. 4" Phillips - #1 Tip
5. 6" Phillips - #2 Tip

Combination Wrench Sets - (20 PCS)

1. Standard Combination Wrenches - (1/4" – 3/4")
2. Metric Combination Wrenches - (8mm - 19mm)

3/8" Drive Socket Sets -- (Standard and Deep) – (6 Point) (43 PCS)

1. 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", and 3/4" Standard Depth
2. 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", and 3/4" Deep well
3. 8mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm and 19mm Standard Depth
4. 8mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm and 19mm Deep well
5. 3/8" Reversible Ratchet
6. 3/8" – 3", 6" and 12" Extensions
7. 3/8" Universal-Joint

Allen/Torx Socket Sets – Standard and Metric – (3/8" drive)

1. Standard Set - 1/8", 5/32", 3/16", 7/32", 1/4", 5/16" and 3/8"
2. Metric Set - 3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 9mm and 10mm.
3. Torx Socket Set - T8, T10, T15, T20, T25, T27, T30, T40, T45, T47, T50, T55 and T60

Hammers - (2 PCS)

1. 16 oz. Ball Peen
2. Dead Blow Plastic hammer

### Brake Tools - (4 PCS) – Required for ATO 2200 – Brake Systems

1. Hold Down Spring Tool
2. Return Spring Tools
3. Brake Pad Lining Gauge Set (recommend the Lisle 81850)

### Toolbox & Miscellaneous Tools

1. Toolbox
2. Safety Glasses
3. Scraper - 1" width
4. Pocket flashlight
5. Tire inflator
6. Tire Tread Depth Tool

### Chisels and Punches - (5 PCS)

1. 3/8 Cold Chisel
2. 5/8 Cold Chisel
3. 3/8 Center Punch
4. 1/8 Pin Punch
5. 3/16 Pin Punch

### Feeler Gauges - (2 PCS)

1. Spark Plug Gap Gauge .035" through .080"
2. Feeler Gauge 0.002" through 0.040"

### Spark Plug Sockets - (2 to 4 PCS)

1. 5/8" Spark Plug Socket -- Flexible or Straight
2. 13/16" Spark Plug Socket – Flexible or Straight

### Pliers - (5 PCS)

1. 6" Pair Needle Nose Pliers
2. 7" Pair Heavy Diagonal Cutting Pliers
3. 6" All Purpose Pliers
4. 7" Straight Jaw Vise Grip Pliers
5. 10" Slip Joint Pliers

### Electrical

1. 12-volt Test Light
2. Digital Multi Meter (ask the electronics instructor about options)
3. Adjustable Ignition Spark Tester

### **Recommended but not required:**

1. ½" Drive Torque Wrench, 50 – 250 foot pounds