



**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 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 2013/Spring 2014/Summer 2014

Screwdrivers (5 PCS)

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

Standard Combination Wrench (9 PCS)

- | | |
|----------|---------|
| 1. 7/8 | 6. 9/16 |
| 2. 13/16 | 7. 2 |
| 3. 3/4 | 8. 7/16 |
| 4. 11/16 | 9. 3/8 |
| 5. 5/8 | |

3/8" Drive Standard Socket Set -- 6 Point (15 PCS)

- | | |
|-----------------|-----------------------------|
| 1. 3/8 Socket | 9. 7/8 Socket |
| 2. 7/16 Socket | 10. 15/16 Socket |
| 3. 2 Socket | 11. 1" Socket |
| 4. 9/16 Socket | 12. 3/8" Reversible Ratchet |
| 5. 5/8 Socket | 13. 6" Extension |
| 6. 11/16 Socket | 14. 3" Extension |
| 7. 3/4 Socket | 15. Universal |
| 8. 13/16 Socket | |

Hammer (2 PCS)

1. 16 oz. Ball Peen
2. 16 oz. Plastic Tip

Brake Tools (4 PCS)

1. Hold Down Spring Tool
2. Return Spring Tools
3. 3/8" Hex Socket
4. T45 Torx Bit Socket

Tool Box & Miscellaneous Tools

1. Tool Box
2. Safety Glasses
3. Scraper - 2" width

Metric Combination Wrench (10 PCS)

1. 10mm
2. 11mm
3. 12mm
4. 13mm
5. 14mm
6. 15mm
7. 16mm
8. 17mm
9. 18mm
10. 19mm

3/8" Drive Metric Socket Set - 6 Point (11 PCS)

1. 8 mm
2. 10 mm
3. 11 mm
4. 12 mm
5. 13 mm
6. 14 mm
7. 15 mm
8. 16 mm
9. 17 mm
10. 18 mm
11. 19 mm

Allen Wrench Set & Pouch (10 PCS)

1. 3/32"
2. 7/64"
3. 1/8"
4. 9/64"
5. 5/32"
6. 3/16"
7. 3/32"
8. 1/4"
9. 5/16"
10. 3/8"

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. 1/4 Pin Punch

Feeler Gauges (2 PCS)

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

Spark Plug Sockets (2 to 4 PCS)

1. 13/16" Spark Plug Socket -- Flexible or Straight
2. 5/8" 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
3. Jumper Wires
4. 5/16" 6-Point Battery Terminal Wrench
5. Adjustable Ignition Spark Plug Tester

Recommended but not required:

1. 1/2" Drive Torque Wrench, 25 - 250 foot pounds
2. LED Rechargeable Cordless Shop Light