# Basic Tools for MOPAR-Chrysler/Dodge/RAM/Jeep College Automotive Program

## Basic Tools for CAP Program

1. **Drive set**
   - 1-Breaker Bar
   - 3-Extensions 2" - 6"
   - 1-Drive Handle
   - 1-Ratchet
   - 1-Socket Set-3/8" - 9/16" (6 point short)
   - 1-Socket Set-3/8" - 9/16" (6 point deep)
   - 1-Socket Set-4mm – 13mm (6 point short)
   - 1-Socket Set-4mm – 13mm (6 point deep)
   - 1-Universal Joint

2. **Wrenches**
   - 1-Wrench Set – Combination, (12 point – ¼ thru 1"
   standard length)
   - 1-Wrench Set – Combination, (12 point – 6mm thru
   22mm standard length)
   - 3-Wrench Set Flare nut
   (6 point 3/8"-7/16" – 1/2" – 5/8"-11/16")
   - 4-Wrench Set Flare nut (6 point 3/8"-9mm-10mm &
   11mm-12mm & 13mm-14mm & 15mm-17mm)

3. **Pliers**
   - 1-Pliers – 6" combination
   - 1-Pliers – 7" diagonal cutter
   - 1-Pliers – 6" needle nose
   - 1-Pliers – Electrician’s terminal
   - 1-Pliers – 10" vise grip
   - 1-Pliers – Snap Ring, small True Arc - .030" to .045" tips (inside & outside)
   - 1-Pliers – Snap Ring, small True Arc - .060" to .080" tips (inside & outside)

4. **Files**
   - 3-File – (6"-3-square, 8" round, & 10" flat mill)
   - 3-File Handles
   - 1-File Card

5. **Screwdriver Set**
   - 1-Screwdriver Set – flat blade (1/4"x3", 3/16"x6", 1/4"x8", 5/16"x10", 3/8"x13")

## Electrical

1. **Test Light** – 12Volt
2. **Digital Multimeter** – (10 megohm input impedance, w/voltage drop diode test & ma scale A/C/D/C) similar to (Fluke 88)
3. **Battery terminal Cleaner**

## Miscellaneous Tools

1. **Awl – 8"**
2. **Gasket Scraper – 1-1/2" wide 8" long**
3. **Gauge – Feeler gauge set .0015 -.025**
4. **Gauge – Spark Plug (wire).025 -.080**
5. **2-Gauge – thread pitch (us & metric)**
6. **Hacksaw – with 12" blade**
7. **Pick Set – (straight, 90, 45, bent tip, & hook)**
8. **Wine Brush**
9. **1-Steel Ruler 6"**
10. **Vacuum Pump – hand operated**
11. **Tool Box – Roll-a-way Max 42" long**
12. **Allen Wrench set 4 mm thru 12mm**
13. **Allen Wrench set .050" thru 3/8"**
14. **Pliers Battery angle Nose**
15. **Screwdriver Set T TORX T10 thru T55**
16. **Thermometer A/C**
17. **Brake Spring Pliers**
18. **Brake Shoe Retaining Spring Tool (large & Small)**
19. **Brake Adjusting Spoon**
20. **Brake Bleeder Wrench combo (5/16" & 3/8")**
21. **Diary Capes**
22. **Trim Pad Remover (Chrysler)**
23. **Pry Bar set (4-6)**
24. **Punch Starting (1/8" & 3/8")**
25. **Wrench – cup, oil filter Chrysler large & small**
26. **Serpentine belt remover & installer tool (Chrysler)**
27. **1-1/2" drive Air Impact**
28. **Torque Wrench 1/2" drive 50-250 lb/ft (click type)**
29. **Torque Wrench 3/8" drive (dial type 0 to 300 in/lb)**
30. **Pair Welding Gloves**
31. **Scientific Calculator**
32. **Glasses – Safety – clear - (must meet Z87 specs.)**

## Tools for Automotive Program

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<td><strong>Second Quarter Expenses</strong></td>
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To determine overall costs, students should plan a budget that includes the above expenses as well as room, meals, clothing, laundry, medical care, recreation and entertainment, transportation, insurance, etc. Nebraska Resident tuition rate is $60.50 per credit hour. Out-of-state tuition rate is $74.50 per credit hour. Student fee is $1.25 per credit hour. Graduation fee is $25.

Housing is available at Beatrice and Milford campuses only. Quarterly tuition, books and fees are dependent upon classes taken each quarter.

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