1st = 1st year fall, 2nd = 1st year spring

1. Tool box (must be a roller cart or roller cabinet, not to exceed 24” x 40” unless approved by instructor) - 1st

2. 1/2” drive socket/ratchet set to include: - 1st
   • 15mm through 25mm, 27mm - 1st
   • 26mm, 29mm, 30mm, 32mm, 34mm, 36mm - 2nd
   • breaker bar - 2nd
   • extensions - 1st

3. 3/8” drive socket/ratchet set to include: - 1st
   • 8mm through 19mm metric sockets - 1st
   • 9/16” spark plug socket – 2nd
   • 13/16” spark plug socket - 2nd
   • 5/8” spark plug socket - 2nd
   • extensions - 1st
   • universal joint - 1st

4. 1/4” drive socket/ratchet set to include: - 1st
   • 4 mm through 15mm metric sockets - 1st
   • nut driver handle - 1st
   • extensions - 1st
   • universal joint - 1st

5. Wrenches to include:
   • 7mm through 22mm combination, metric - 1st
   • 10mm through 18mm line, metric - 2nd

6. Standard screwdriver set - 2nd

7. Phillips screwdriver set - 2nd

8. 24” Pry bar - 1st

9. Torx bits/drivers to include:
   • T8 through T60 drive torx bits - 2nd
   • T8 through T30 screwdriver - 2nd

10. Chisel & punch set to include 8” brass drift punch - 2nd
11. Pliers to include:
   - 7” to 8” needle nose - 1st
   - 9-1/4” water pump (slip joint) - 1st
   - 7” to 8” diagonal cutter - 1st
   - 10” locking pliers - 1st
   - 7-1/4” pliers - 1st
12. Snap ring locking pliers - 1st
   - 10” length opens to 1-1/4” - 1st
   - inside and outside True Arc - 1st
13. Hammers
   - 16 oz. dead blow - 1st
   - 16 oz. ball peen - 1st
   - 32 oz. ball peen - 1st
   - Brass hammer - 1st
14. Brake tools - 1st
   - Brake adjusting tool – 8” - 1st
   - Brake retainer washer tool, large and small cup - 1st
   - Brake spring pliers, remove and replace and stretching - 1st
15. Tire crayon – 2nd
   - Tire pressure gauge, 0 – 100 psi, digital - 2nd
   - Tire tread depth gauge, 1/32” increments - 2nd
16. Hex socket set - 2nd
   - 1/16” through 3/8” hex - 2nd
   - 1.5mm through 10mm - 2nd
17. Feeler gauge – 1st
   - .0015” – 080” – 1st
18. Spark plug gap gauge – 2nd
   - .035” – 080” – 2nd
19. 1-1/2” x 3-3/8” heavy duty gasket scraper – 1st
20. Plastic scraper – 1st
21. 6” wire stripper/crimping tool, 10 to 20 gauge - 1st
22. 12-volt test light - 1st
23. Blow gun - 1st
24. Air chuck - 1st
25. 6” pocket steel ruler – 1st
26. Outside Micrometer
   • 0” – 1” (with verneer scale .0001) OR – 1st
   • 0mm – 25mm – 1st
27. 0” to 6” dial caliper – 1st
28. 10” Flat hand file with handle - 1st
29. Flash light with batteries - 1st
30. Oil filter wrenches (should fit small and large filters) – 2nd
31. Universal terminal release tool (pick set) – 2nd
32. Ignition spark tester – 2nd
33. Terminal test probe adapter set – 2nd

Examples (the below kit meets the minimum requirements, others may be purchased)
   • 18001.10-Kit www.jumperkits.com

34. Digital Multimeter (specs and examples are listed below) - 1st

Specs
   • AC/DC voltage up to 600 V minimum
   • AC/DC 10A (amps) capable
   • Auto ranging preferred
   • Volt meter impedance 10 mega ohms minimum
   • True RMS preferred

Examples (the below meters meet the minimum requirements others may be purchased)
   • 22-811 www.radioshack.com
   • 82334 www.sears.com
   • EM700 www.mactools.com
   • MDTECH or DM115 www.matctools.com
   • EEDM504D www.snapon.com
   • Fluke 87

37. Plastic thread pitch gauge - 2nd
   • Standard and metric - 2nd

38. Quick disconnect tools - 2nd
39. Magnetic pick up tool - 1st

40. Inspection mirror – 1st

41. 12-foot steel measuring tape - 1st

42. Safety glasses (not goggles, not tinted, and meets ANSI Z87.1 safety standard) - 1st

43. Magnetic parts tray - 1st

44. Torque wrench ½” up to approx. 250 ft-lbs - 1st

45. Suggested School supplies - 1st
   • 4 – 1-1/2” 3-ring binders - 1st
   • 12 – #2 pencils - 1st
   • 12 – Blue or black ink pens - 1st
   • 1 – Highlighter - 1st
   • 1 – Clipboard - 1st

Optional tools may be purchased as needed.

Some additional tool part numbers of interest: (prices subject to change)

- EEDM525E $191.39
- EEDM596EK $342.19
- EEDM604E $281.87
- TQFR250E $184.98
- MG725 $272.67
- TDM117A $158.92