

# Basic Tool List

## **Alpena Community College Automotive Service and Repair Program**

Students of this program are required to equip themselves as follows:

- Shop clothing:
  - Sturdy shirt. Cotton tee shirt is ok. Tank top is not. Shirts made of synthetic fibers are not acceptable. They melt and catch fire too easily.
  - Sturdy pants. No shorts. Again pants made of synthetic fibers are not acceptable.
  - Sturdy leather work shoes. Athletic shoes are not acceptable unless they are constructed with leather uppers.
  - Safety glasses
  - Wearing of coveralls or lab coats is encouraged as they provide optimal protection of the individual in the lab environment, as well as improving the professional appearance of the individual and the group.
- Socket sets:
  - 1/4" drive deep and shallow socket sets:
    - 7/32" through 1/2"
    - 7 mm through 13 mm
  - 3/8" drive deep and shallow socket sets:
    - 3/8" through 7/8"
    - 10 mm through 21mm
  - Adapters:
    - 1/2" to 3/8"
    - 3/8" to 1/4"
    - 1/4" to 3/8"
  - Spark plug sockets:
    - 5/8" and 13/16"
- 150 ft lbs torque wrench
- Wrenches
  - 1/4" through 7/8" combination wrenches
  - 7 mm through 21 mm combination wrenches
- Screwdrivers (in various sizes):
  - Flat blade
  - Phillips
  - Pozidrive
- 3/8" drive Torx bits: T-8, T-10, T-15, T-20, T-25, T-27, T-30, T-40, T-45, T-50, T-55
- Ball peen hammer
- Pliers, including: 6" slip joint pliers, 8" diagonal cutters, 6" needle nose, 8" vise grips, slip joint pliers, wire stripper.
- Miscellaneous tools: flashlight, mirror, magnetic retriever, mechanical fingers, gasket scraper, pry bar set, punch and chisel set, stethoscope.
- Lockable rolling tool box
- Any questions about this tool list should be directed to the lead instructor of this program.