



**Automotive Technician
Rice Lake
Required Tool List**

1/4" drive

- 11 pc. 1/4" dr. socket set 3/16" to 1/2" shallow & deep
- 1/4 ratchet and extensions
- 1/4" dr. flex joint
- 6" extension
- 10 pc. Metric socket set, 6 pt 5 mm to 14mm shallow & deep

3/8" drive

- 19 pc. 3/8" dr. socket set 3/8" to 13/16" shallow and deep (Including 8" ratchet, 3" extension and flex joint)
- 6" extension
- 12" extension
- 12" Flex head Ratchet
- 5/8" spark plug socket
- 13/16" spark plug socket
- Metric socket set 8mm to 19mm, shallow & deep 6 pt.
- 3/8" to 1/2" adapter
- 30 to 55 "Torx" driver set
- 1/8" to 3/8" hex driver set
- Metric hex driver set

1/2" drive

- 15 pc. 1/2" dr. socket set 3/8" to 1 1/4" shallow and deep 6 pt.
- Ratchet 10"
- 5" extension
- 10" extension
- 18" flex handle (breaker bar)
- 10 pc. Metric Impact socket set 10mm to 19mm shallow 6 pt.
- 10 pc. Metric Impact socket set 10mm to 19mm deep 6 pt.
- 1/2" Impact swivel

Wrenches

- 11 pc. long combination wrench set 12 pt. 3/8" to 15/16" chrome
- 1" combination wrench, chrome
- 16 pc. combination wrench set 12 pt. Metric 6mm to 21mm chrome

Special wrenches

- 10" adjustable wrench
- 5 pc. Flare nut wrench set 1/4" to 13/16" 6 pt.
- Metric flare nut wrench set

Hammers

- 12 oz. Ball peen hammer
- 2 ½ - 4 pound sledge hammer with a 12-18 inch handle
- 1 ½ lb. composition-cast hammer

Pliers

- 6" diagonal cutting plier
- 7 1/2" long nose plier (needle nose type)
- 8" slip joint plier (regular type)
- 12" slip joint type ('ChannelLock' type)
- 10" 'ViseGrip' type (curved jaw)
- Fixed tip convertible snap ring plier (approx. .038" tip)
- Fixed tip convertible snap ring plier (approx. .070 tip)
- Brake spring tool set

Screwdrivers

- 8 pc. Combination set (Std. and Phillips)
- Ratcheting magnetic screwdriver with bits
- 'Torx' bit set T8 to T25

Misc.

- 12 pc. Punch and chisel set (in tray or pouch)
- 10" or 12" hacksaw (with blade)
- Universal master feeler gauge (.0015 to .035)
- Metric feeler gauges
- Spark plug gauge (slide type)
- 15 pc. Hex key set in pouch through 3/8"
- 10" mill file with handle
- Round Rat tail file
- 2 Fender covers
- 2 air quick-disconnect coupler ends (male to fit WITC system)
- Blow gun (OSHA safety type)
- Tire chuck
- Brake shoe hold-down spring retaining tool
- Brake adjusting spoon
- Air conditioning thermometer
- Tire gauge (Pass car capacity)
- Tire tread depth gauge
- Oil filter wrench set (capable of large and small filters)
- 12 Volt Test Light
- 16" Rolling head prybar/aligning tool
- Wire brush
- Miniature pick tool set
- Gasket scraper set
- Battery service kit (GM battery wrench, angle nose pliers, side terminal cleaner, terminal brush)
- Technician mirror
- Magnetic pick up tool
- Wire stripper (AWG 10-20)
- 12 foot tape measure
- Corded or cordless trouble light (LED or fluorescent)

Meters

Digital multimeter (Snap On EEDM504D or equivalent, see instructor)

Cabinet and chest

Due to limited storage space large tool chests may not fit in secure storage area. (Superior)

Due to limited shop and storage space tool boxes may not exceed 48" in width. (Rice Lake)

Second Semester Tools

½" Impact wrench (Ingersoll Rand 231C or equivalent)