

Heavy Duty Equipment Mechanic Tool List

Please note, at all times, Red River College will not be responsible for any missing or stolen tools, in whole, or in part during the academic year. Insurance for tool coverage is the responsibility of the student.

** If there are items you are unsure of, please wait to purchase until you have discussed it with your instructor

****No double wide toolboxes or top boxes only due to limited shop space.**

****Students must provide a full toolbox inventory and each box must be CLEARLY labelled with the student's name and student number.**

Tool Description - finding exact sets may not be possible, just cover as many sizes as possible.

Toolbox

- Lower Rolling Toolbox Cabinet ONLY, dimensions 13D x 24W x 30H (should NOT EXCEED 20D x 27W x 32H), 4-drawer minimum (each box must be CLEARLY labelled with the student's name and student number)

Pliers

- 8" slip joint pliers
- 6" needle nose pliers
- 7" diagonal cutters
- Wire strippers

Screwdrivers

- Screwdrivers, 8-piece, standard slotted (Flat), and Phillips (Cross)

Wrenches

- 12" Adjustable wrench
- Wrench set, combination, 7mm-24mm sizes (17 pieces)
- Wrench set, combination, 3/8" – 1 1/4" sizes (14 pieces)

Punch / Chisels

- 6-piece Punch and Chisel Set, including center punch

Hammers

- Hammer, ball peen, 12oz
- Hammer, steel mallet, 2.5lb

Ratchets & Socket Sets

- Ratchets, ¼", ⅜", ½" drive
- Socket Set, ¼" drive, 3/8"- 1/2" standard, shallow sockets, 6-point
- Socket Set, ¼" drive, 5mm - 13mm metric, shallow sockets, 6-point
- Socket Set, ⅜" drive, 3/8" - 7/8" standard, shallow sockets, 6-point
- Socket Set, ⅜" drive, 6mm - 22mm, shallow sockets, 6-point
- Socket Set, ½" drive, 3/8" - 1 1/4" standard, shallow sockets, 6-point
- Socket Set, ½" drive, 12mm – 24mm, shallow sockets, 6-point
- Extensions ¼" drive - 2" and 6"
- Extensions ⅜" drive - 3" and 6"
- Extensions ½" drive - 5" and 10"
- Hex Key Set, 1.5mm – 12mm
- Hex Key Set, 5/64" – 5/8"
- Breaker Bar ½" drive, 24" length

Pry Bars

- Rolling Head Pry Bar set
- Flat Head Pry Bar set

Miscellaneous Tools

- Clipboard
- Dial Indicator 0-1" kit with magnetic base
- Scraper, Stiff Blade, 1.5" wide
- Small LED Flashlight
- Steel Tape Measure, 25 ft.
- Vernier Caliper, 0" – 6"
- Brake line double flaring kit
- Hacksaw 12" with blade 24tpi
- DVOM Multimeter – Required - See Book & Supply List

PPE (Personal Protective Equipment) - See Book & Supply List

- Earplugs Box of disposable, or Earmuffs with 28-32 NNR Rating
- Box of Nitrile disposable Gloves (Box of 50)
- Mechanics Gloves
- Chemical Resistant Natural Rubber Gloves (Green)
- Coveralls, Navy Blue Hi-Vis, Fire Retardant
- Steel Toe Boots, 6" high top CSA Approved
- Clear Safety Glasses, CSA Approved
- Welding PPE