

DIESEL AG & DIESEL TRUCK TOOL/SUPPLY LIST

Tools Required for First Semester:

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|---|--|
| <input type="checkbox"/> Safety Glasses | <input type="checkbox"/> Fluke 87 Multimeter Or Equivalent |
| <input type="checkbox"/> Leather Safety Toe Boots | <input type="checkbox"/> 12v Test Light |
| <input type="checkbox"/> Hearing Protection (Ear Plugs) | <input type="checkbox"/> Wire Crimper/Stripper |
| <input type="checkbox"/> Flashlight | <input type="checkbox"/> Battery Terminal Cleaner |
| <input type="checkbox"/> Pocket Screwdriver | <input type="checkbox"/> Electrical Terminal Removal Tool |
| <input type="checkbox"/> Inspection Mirror | <input type="checkbox"/> 4-Piece Pick Set |
| <input type="checkbox"/> Telescoping Magnetic Pickup Tool | <input type="checkbox"/> Rubber Tip Air Nozzle |

- ☐ Tire Pressure Gauge (At Least 120 Psi)
- ☐ Tire Inflator Air Chuck
- ☐ Schrader Valve Core Tool
- ☐ Coolant Tester
- ☐ Tool Bag

Tools Required for Second-Fourth Semester:

These tools will be in addition to the first semester required tools.

PLIERS

- ☐ 1 - Combination Pliers
- ☐ 1 - 6" Needle Nose Pliers
- ☐ 1 - 7" Diagonal Pliers
- ☐ 1 - Water Pump or Channel Lock Pliers (12" minimum)
- ☐ 1 - 4" Vise Grip Pliers w/Cutter
- ☐ 1 - 6" Vise Grip Longnose Pliers
- ☐ 1 - 10" Vise Grip Pliers w/cutter
- ☐ 1 - Flat-Nose Snap Ring Pliers - narrow tip
- ☐ 1 - Flat-Nose Snap Ring Pliers - wide tip
- ☐ 1 - Retaining Ring Pliers set

HAND WRENCHES

- ☐ 1 - SAE Allen Wrench Set
- ☐ 1 - Metric Allen Wrench Set
- ☐ 1 - Combination Wrenches (1/4" to 1 1/4")
- ☐ 1 - Combination Wrenches (6mm to 24mm)

SOCKET WRENCHES

- ☐ 1 - 1/4" Drive Socket Set (3/16" to 9/16") - 6 Point
- ☐ 1 - 1/4" Drive Metric Socket Set (5-15mm) - 6-point
- ☐ 1 - 1/4" Drive Deep Socket Set (3/16" to 9/16") - 6 Point
- ☐ 1 - 1/4" Drive Metric Deep Socket Set (5-15mm) - 6-point
- ☐ 1 - 1/4" Drive Handle
- ☐ 1 - 1/4" Ratchet
- ☐ 1 - 1/4" 2" and 4" Extension set
- ☐ 1 - 1/4" Universal Joint
- ☐ 1 - 3/8" Drive Socket Set (1/4" to 7/8") - 6 Point
- ☐ 1 - 3/8" Drive Deep Socket Set (1/4" to 7/8") - 6 Point
- ☐ 1 - 3/8" Drive Metric Socket Set (8mm to 19mm) - 6 Point
- ☐ 1 - 3/8" Drive Deep Metric Socket Set (8mm to 19mm) - 6 Point

- ☐ 1 - 3/8" Drive Impact Deep Socket Set (3/8" to 7/8") - 6 Point
- ☐ 1 - 3/8" Drive Impact Metric Deep Socket Set (10mm-19mm) - 6 Point
- ☐ 1 - 3/8" Ratchet
- ☐ 1 - 3/8" Flex Head Ratchet
- ☐ 1 - 3/8" Drive 3" & 6" Extensions
- ☐ 1 - 3/8" Drive Impact Universal Joint
- ☐ 1 - 1/2" Drive Impact Socket Set (1/2" to 1 1/4") - 6 point
- ☐ 1 - 1/2" Drive Impact Metric Socket Set (15mm to 27mm)
- ☐ 1 - 1/2" Drive Impact Deep Inch Socket Set (1/2"-1 1/4")
- ☐ 1 - 1/2" Drive Impact Deep Metric Socket Set (15mm-27mm)
- ☐ 1 - 1/2" Ratchet
- ☐ 1 - 1/2" Drive Long Flex Head Ratchet (20" long or more)
- ☐ 1 - 1/2" Drive 3" & 6" Extensions
- ☐ 1 - 1/2" Drive Impact Universal Joint
- ☐ 1 - 1/4" to 3/8" Adapter
- ☐ 1 - 3/8" to 1/4" Adapter
- ☐ 1 - 3/8" to 1/2" Adapter
- ☐ 1 - 1/2" to 3/8" Adapter
- ☐ 1 - 3/8" Drive Torque Wrench (5 ft.-lbs. to 75 ft.-lbs.)
- ☐ 1 - 1/2" Drive Torque Wrench (150 ft. lb. minimum)
- ☐ 1 - Torx Bit Socket Set (1/4" - 3/8" Drive, T8 to T55)
- ☐ 1 - 3/8" Drive Impact Wrench (Air or Electric)
- ☐ 1 - 1/2" Drive Impact Wrench (Air or Electric)

CUTTING TOOLS

- ☐ 1 - 10" Half Round File w/Handle
- ☐ 1 - 10" Single Cut Mill Bastard File w/Handle
- ☐ 1 - 8" x 5/16" Round File w/Handle
- ☐ 1 - File Card
- ☐ 1 - Hacksaw
- ☐ 1 - Gasket Scraper

HAMMERS

- ☐ 1 - Short or Standard Handle Heavy Duty Hammer - 4 lb.
- ☐ 1 - 1 lb. Ball Peen Hammer
- ☐ 1 - Plastic "Dead Blow" Hammer, 2 or 3 lb.

MEASURING

- ☐ 1 - .0015" - .030" Feeler Gauge Set
- ☐ 1 - .0015" - .030" Angle Tip Feeler Gauge Set
- ☐ 1 - English Thread Pitch Gage
- ☐ 1 - Metric Thread Pitch Gage
- ☐ 1 - 6" Steel Rule
- ☐ 1 - Scribe
- ☐ 1 - Engine Stethoscope
- ☐ 1 - Dial Indicator w/Magnetic base (1" Travel Indicator)
- ☐ 1 - Tire Tread Depth Gauge
- ☐ 1 - 6" Dial Caliper
- ☐ 1 - 25' Tape Measure

SCREWDRIVERS

- ☐ 1 - 1 1/2" Flat Tip Screwdriver
- ☐ 1 - 2 7/8" Flat Tip Screwdriver
- ☐ 1 - 4" Flat Tip Screwdriver
- ☐ 1 - 6" Flat Tip Screwdriver
- ☐ 1 - 8" Flat Tip Screwdriver
- ☐ 1 - No. 1 Phillips Screwdriver
- ☐ 1 - No. 2 Phillips Screwdriver
- ☐ 1 - No. 3 Phillips Screwdriver
- ☐ 1 - No. 4 Phillips Screwdriver
- ☐ 1 - Torx Screwdrivers (Include: T8 through T45)

PUNCHES / CHISELS

- ☐ 1 - Brass Drift Punch Set 3/8" to 1/2"
- ☐ 1 - Center Punch
- ☐ 1 - 1/8" Pin Punch
- ☐ 1 - 5/32" Pin Punch
- ☐ 1 - 3/16" Pin Punch
- ☐ 1 - 1/4" Pin Punch
- ☐ 1 - 1/8" Starting Punch

- ☐ 1 - 1/4" Starting Punch
- ☐ 1 - 3/8" Cold Chisel
- ☐ 1 - 1/2" Cold Chisel
- ☐ 1 - Bearing Race Punch (MAC BRP-3 or equivalent)

PRYING TOOLS

- ☐ 1 - Radiator hose tool
- ☐ 1 - Rolling Head Bar (6" to 20") with indexing head
- ☐ 1 - Cotter Pin/Seal Puller (SnapOn #S9094B or YA105)
- ☐ 1 - Prybar set (up to 36")

TOOL BOX

- ☐ 1 - Roll-A-Way Tool Box (Top Chest Optional) (Maximum 55" long — 55" includes hang/add on boxes)

DRILLS

- ☐ 1 - Twist Drill Index 1/16" to 1/2" by 64ths

GENERAL PURPOSE

- ☐ 1 - Creeper
- ☐ 1 - Truck Oil Filter Strap Wrench
- ☐ 1 - Refractometer (coolant, DEF, battery)

HVAC

- ☐ 1 - Air Conditioning Thermometer

RECOMMENDED TOOLS

- ☐ 1 - Mechanical Claw Pick-Up Tool
- ☐ 1 - Short Combination Wrench (10mm-19mm)
- ☐ 1 - Short Combination Wrench (5/16" to 3/4")
- ☐ 1 - 40-200 in. lbs. 1/4" Drive Torque Wrench
- ☐ 1 - 3/8" Air or Electric Ratchet
- ☐ 1 - R-134a gauge Set
- ☐ 1 - R134A resealable can adapter
- ☐ 1 - R134A Can Tap Valve
- ☐ 1 - Brass Drift (2" x 12")
- ☐ 1 - retractable test lead set
- ☐ 1 - Angle Head Open End Wrench Set (3/8" to 1 1/4")
- ☐ 1 - Metric Angle Head Open End Wrench Set (10mm to 19mm)
- ☐ 1 - 1/4" - 13/16" Flare Nut Wrench Set, Double Box End
- ☐ 1 - 9mm - 21mm Flare Nut Wrench Set, Double Box End
- ☐ 1 - Allen Head Socket Set (English) (3/8" Drive)

- ☐ 1 - Allen Head Socket Set (Metric) (3/8" Drive)
- ☐ 1 - 3/8" Drive Universal Metric Socket Set, Shallow 6-point, (10mm-19mm)
- ☐ 1 - 3/8" Drive Crowfoot Open End Set (English)
- ☐ 1 - 3/8" Drive Crowfoot Open End Set (Metric)
- ☐ 1 - 1/2" Drive Chrome Socket Set (1/2" to 1 1/4") - 6 point
- ☐ 1 - 1/2" Drive Chrome Metric Socket Set (15mm to 27mm)
- ☐ 1 - 1/2" Drive Chrome Deep Inch Socket Set (1/2"-1 1/4")
- ☐ 1 - 1/2" Drive Chrome Deep Metric Socket Set (15mm-27mm)
- ☐ 1 - 3/8" or 1/2" drill, air or electric
- ☐ 1 - Air Hammer and bit set
- ☐ 1 - Right Angle Die grinder
- ☐ 1 - Air Cut off Tool
- ☐ 1 - Roll Pin Punch Set
- ☐ 1 - UV Leak Detection Flashlight and glasses
- ☐ 1 - Hose clamp pliers - spring type
- ☐ 2 - Hose pinch pliers

This list includes the basic tools a student will be required to have to successfully complete the program. The student should discuss with their program advisor the timeline for purchasing specific tools and suggested optional tools. The College does not recommend, nor endorse, any specific brand of tools. The student should give careful consideration when selecting tools they will use in their career. (10/1/2025)