

1st SEMESTER

- Safety Glasses (Min. Z-87 Rated)
- Leather Safety-Toe Boots
- Hearing Protection (Ear Plugs)
- Flashlight
- Pocket Screwdriver

- Inspection Mirror
- Telescoping Magnetic Pickup Tool
- 4-Piece Pick Set
- Rubber Tip Air Nozzle
- Tire Pressure Gauge (At Least 120 Psi)

- Tire Inflator Air Chuck
- Tire Valve Core Tool
- Fluke 87 Multimeter
- 12v Test Light
- Wire Crimper/Stripper

- Coolant Tester
- Battery Terminal Cleaner
- Electrical Terminal Removal Tool
- Tool Bag

-- FIRST DAY OF CLASS --

- Auto Darkening Welding Helmet W/ Ability For Shade Setting 5 or Separate Shade 5 Grinding Shield

- Long Sleeve Welding Jacket
- Denim or Cotton Jeans With No Holes
- Welding Gloves

- Welper (Welding) Pliers
- Slip Joint Pliers

-- FIRST DAY OF WELDING CLASS --
-- THESE TOOLS WILL BE NEEDED IN ADDITION TO THE FIRST SEMESTER REQUIRED TOOLS. --
TOOL BOX

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

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
- 1 - Electrical crimping pliers

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)

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 14" or similar

PRYING TOOLS

- 1 - Radiator hose tool
- 1 - Rolling Head Bar (6" to 20") with indexing head
- 1 - Seal Puller
- 1 - Prybar set (up to 36")

HVAC

- 1 - Air Conditioning Thermometer

DRILLS

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

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") - 12 Point
- 1 - 3/8" Drive Deep Socket Set, 12-point, (1/4" to 7/8") - 12 Point
- 1 - 3/8" Drive Metric Socket Set (8mm to 19mm) - 12 Point
- 1 - 3/8" Drive Deep Metric Socket Set (8mm to 19mm) - 12 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 - 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.
- 1 - Hacksaw

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 - Truck Tire Air Pressure Gauge
- 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)

GENERAL PURPOSE

- 1 - Telescopic Magnetic Pick-Up Tool
- 1 - Telescopic Handled Mirror
- 1 - 'O' Ring Pick Set
- 1 - Mechanical Claw Pick-Up Tool
- 1 - Creeper
- 1 - Truck Oil Filter Strap Wrench
- 1 - Schrader Valve Tool
- 1 - Refractometer

RECOMMENDED TOOLS

- 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 - 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 - Creeper
- 1 - UV Leak Detection Flashlight and glasses
- 1 - Hose clamp pliers - spring type
- 2 - Hose pinch pliers

CONTINUING IN THE PROGRAM