NJC DIESEL TECHNOLOGY HAND TOOLS FOR 2nd Year Students (required to permit efficient instruction)

Required to start 2nd year

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Tool Box suffient to hold tools
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Hex Key Wrench Set - Standard
           (.050" - 3/8")
           (7/16" - 1/2" optional)
Hex Key Wrench Set - Metric (2mm - 12mm)
Stud-to-Post or Charging/Test Adapter
Chisels - Cold 5/8", 3/4"
Combination Wrenches - Standard (3/8" - 1") (up to 1 and 1/4" optional)
                        Metric (6mm - 19mm) (up to 24mm optional)
Digital Multimeter - minimum 10 meg. ohms impedance CAT III (Fluke 87 or 88)
Electrical Pliers - Crimper/Stripper
Files and Handles - 12" Fine
                   12" Coarse
                   12" Half Round
Flare Nut Wrench Set - Standard (3/8" - 3/4")
                       Metric (7mm - 19mm)
Flashlight (pocket)
Goggles - (per OSHA requirements)
Hack Saw
Hammers - Ball Peen - 16 oz. and 24 oz.
           Soft Face
           3lb sledge
Hearing Protection - (per OSHA requirements)
Inspection Mirror
Magnetic Pickup Tool
Mechanic's Steel Ruler - Machinist Rule
Pliers - Adjustable Joint
        Locking Pliers
        Needle Nose
        Side Cutters
        Slip-joint
Punches - Pin 3/16" - 3/8"
          Starter 3/16" - 3/8"
          Aligning Punch Set
          Brass punch
          Center punch
Punch holder
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Safety Glasses (Side Panels) - (per OSHA requirements)

Required to start 2nd

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Gasket Scraper - 1" wide or larger
Screwdriver - Blade Type: 1"
                          Q"
                          12"
                          Offset
Screwdriver - Phillips: 1" #2
                       6" #1, #2
                       12" #3
Socket Set - 1/4" Drive: 3/16" - 1/2" U.S. Standard Depth
                       3/16" - 1/2" U.S. Deep
                       4mm -13mm Metric Standard Depth
                        4mm -13mm Metric Deep
                       Extensions - Short, Medium, and Long
                        Ratchet Handle
                       Universal Joint
Socket Set - 3/8" Drive: 3/8" - 3/4" U.S. Standard Depth (12 point), Impact or Chrome
                        3/8" - 3/4" U.S. Deep (6 point), Impact or Chrome
                        10mm - 19mm Metric Standard Depth (6 point), Impact or Chrome
                        10mm - 19mm Metric Deep (6 point), Impact or Chrome
                        Extensions - Short, Medium, and Long
                       Ratchet Handle
                       Universal Joint
Socket Set - 1/2" Drive: 1/2" - 1 1/8" Shallow, Impact or Chrome
                        7/16'' - 1 \frac{1}{8}'' Deep, Impact or Chrome
                        13mm - 32mm Shallow, Impact or Chrome
                        13mm - 32mm Deep, Impact or Chrome
                        Breaker Bar
                       Extensions - Short, Medium, and Long
                       Ratchet Handle
                       Universal Joint
Tape Measure (25')
Tire Tread Depth Gauge
Tire Pressure Gauge – Truck 0-150psi
Wire Brush (misc. sizes in set )
USB jump drive
Solder iron (with 60/40 resin core solder)
Highlighter and peramant marker set
Paint pen marker
Zip lock bagges (50ct.)
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(Optional tools not required)

(½ in impact IR2135)
(3/8 in impact IR2115)
(impact swivel sockets 3/8in and 1/2in drive)
(impact socket set) 3/8-11/4in)
Air buffer with rolac disc adt.
Air drill
Air Rachet
3/4in rachet and socket set
3/4in impact with sockets

Laptop computer Scanner (pro-link)