

Required Student Tools for Diesel

SOCKETS/RACHETS/EXTENSIONS

1/4" drive set socket consisting of:

- a. 3/16- 9/16" shallow & deep chrome 6 point, (minimum)
- b. 5mm – 14mm sockets - shallow & deep chrome 6 point, (minimum)
- c. extensions - 2" & 6"
- d. U-joint
- e. Ratchet

3/8" drive - socket set consisting of:

- a. 1/4" to 7/8" sockets, shallow & deep chrome, (minimum)
- b. 10mm to 19mm sockets, shallow & deep chrome, (minimum)
- c. reversible ratchet
- d. extensions 1", 3", 6", 11"
- e. Universal Joint

1/2" drive socket set consisting of:

- a. Sockets: 7/16" to 1 1/8"- shallow and deep, by 16th - Chrome, (minimum)
- b. Sockets: 10mm -23mm - shallow and deep Chrome, (minimum)
- c. reversible ratchet
- d. breaker bar
- e. universal joint
- f. extensions 5" & 11"

FILES, PUNCH, SCREWDRIVERS

Set of files:

- a. 10" flat mill bastard, minimum
- b. 10" rat tail bastard, minimum
- c. 10" triangle bastard, minimum

15-17-piece punch, chisel, center punch, and line up set

Brass Punch- 8" x 13/16 - minimum

8 to 10 piece screwdriver set including standard and Phillips #1, 2, 3

FEELER GAUGES

Feeler gauge (offset)

Straight feeler gauge set

HAMMERS, BARS

16 oz. Ballpeen hammer

Soft hammer - 32 oz. Dead blow

Cross peen hammer 2 1/2 pounds

Pry bar w/handle 24" min.

2-Rolling wedge bar 16"

MISCELLANEOUS

Gasket scraper 1"

Hacksaw

Metal Scribe

Seal puller

LED Pocket flashlight

Safety glasses
Drain pan (2-4 gallon)

MEASURING

Tape measure 16' minimum SAE & METRIC
6" steel ruler standard & metric with tables on back

PLIERS/VICE GRIPS

Vice grips 10-inch straight jaw
Needle nose pliers
Standard Slip Joint Pliers
Diagonal cutter pliers
Five pc fixed – convertible snap-ring pliers 0, 45 & 90 degree
Flat tipped snap ring pliers
10" slip joint pliers

WRENCHES

Metric wrenches – 19 pc. combination wrenches 6 mm-24 mm 12pt.
Combination wrenches 1/4" - 1 1/4" 12pt.
5- piece standard flare nut wrench set

TORX SOCKETS

Torx head socket set (external) - 27, 30, 40, 45, 47, 50 (minimums)
Torx head socket set (internal) - 40, 50, 60, 70, 80, 100, 110, 120, 140, 160, 180 (minimums)

ELECTRICAL MISCELLANEOUS

(2) Jumper wire (not jumper cables) 36" approx. length
ELECTRICAL CRIMPING/STRIPPING PLIERS - (crimps in back - strips on nose)

ALLEN WRENCHES

13 pc. Allen wrench set (ball head) STANDARD (.050 to 3/8")
9 pc. Allen wrench set (ball head) METRIC (1.5 to 10 mm)

SPECIAL WRENCHES

11-piece crows foot (standard set) 3/8 – 1"
Ignition wrench set with screw holder

GAUGES, INDICATORS, MICROMETERS, TESTERS

6 and 12-volt test light
Digital volt/ohm meter (Fluke 73 or better)
Outside micrometer set, 0"-1" and 1"-2"
Dial indicator w/magnetic base

TORQUE WRENCHES

1/2" drive 50-250 FT/LB click type torque wrench
3/8" drive 5-75 FT/LB click type torque wrench

TOOL BOX

Recommend 7 to 13 door/drawer rolling cabinet with lock
Approx. 56" Wide x 40" High x 26" Deep

NOTE: All tools must be of a "professional grade" standard by your company.