

Diesel Technology

Tool List

The following is a generic list of the tools **required** for the LATI-Diesel Technology program. It is important that students begin their professional diesel technician career by purchasing **professional, mechanic grade tools**. Questions regarding the suitability of specific tools should be directed to the diesel technology staff.

OSHA approved safety glasses or OSHA approved prescription glasses with side shields (Z-87)	Hex key set (.050" – 3/8")
Ear plugs	Gasket scraper
Tool Box-roll around cabinet (5 to 12 drawer)	Punch & chisel set (including center punch)
Wrench set – combination (3/8" – 1")	Pry bar
Wrench set – flare nut (3/8" – 3/4")	File – 6" single cut
Socket set – 1/4" dr., with ratchet (3/16" – 1/2") including metric (4 – 13mm), shallow	File – 10" double cut
Socket set – 3/8" dr. (3/8" – 3/4") shallow and deep, with ratchet and extensions	File – 10" round, bastard cut
Socket set – 1/2" dr. (7/16" – 1-1/8") shallow, with ratchet, breaker bar and extension	Hacksaw – with 12" x 24T blades
Socket set – metric, 3/8" dr., (8-19 mm), shallow and deep	Wire brush
Hammer – ball peen (16 oz.)	Blow gun (heavy duty)
Pliers – standard	Feeler gauge (.0015" - .035") general purpose
Pliers – needle nose	O-ring pick
Pliers – diagonal cutter	Magnetic pickup tool
Pliers – wire stripper, crimper	Tape measure – 12'
Pliers – retaining ring, fixed tip, convertible (small & large)	Inspection mirror
Vise Grip - 10" curved jaw	Air hose – 3/8" x 25' (1/4" NPT) with couplers
Screwdriver set (straight & phillips)	Trouble light – fluorescent, non-metallic
	Tire chuck

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Complete diesel technician tool sets **may be** purchased from the LATI bookstore. Tools may also be purchased individually from many other sources. You are encouraged to shop around. Visit with area diesel technicians for additional information regarding tool selection.

REMEMBER – A career as a diesel technician starts with a set of *professional grade* tools. *Hobby grade* tools are NOT satisfactory for this occupation. Buying tools is a career long process necessitated by changing technology and the desire to do a job better and/or faster. As a tool set moves from basic to more complete, personal preferences regarding such things as brand, size, shape, and design play an increasingly important role in tool selection.

Questions regarding the purchase of a basic tool set through LATI may be directed to the LATI-Bookstore. Phone (605) 882-5284 Ext. 318, 242 or 269.

Note: The composition of tool sets available from the various tool suppliers typically vary somewhat. A particular tool set may include “extra” tools, while a similar set may be “lacking” some tools listed on the LATI Diesel Technology tool list. Generally, the various tool sets will all provide satisfactory service to diesel technology students. If you have questions regarding the suitability of a particular tool set, contact the LATI Diesel Technology department (605) 882-5284 ext. 476.

Additional tools may be purchased throughout the year to “personalize” a tool set. For more diesel technology tools information, visit www.lakeareatech.edu.