

Automotive Technology Program Required Tool List

Quantity	Description
1	Rollaway tool cabinet with locking drawers (7 drawer minimum). Minimum size 27" long, 19" deep x 42" high with minimum 5" wheels.
1	Clear safety glasses (not goggles)
1	Optional: Matching top tool chest
1/4 Drive Set to Include:	
1 set	(10 sockets) 6 point (3/16 through 9/16)
1 set	(10 sockets) deep 6 point (3/16 through 9/16)
1	2" extension
1	6" extension
1	5" ratchet
1	Nut driver handle
1 set	(13 sockets) 6 point metric (4 mm through 14 mm) with 5.5 mm
1 set	(13 sockets) 6 point deep metric (4 mm through 14 mm) with 5.5 mm
1	1/4 universal joint
3/8 Drive Socket Set to Include:	
1 set	6 point sockets (5/16" through 7/8")
1 set	6 point deep sockets (5/16" through 7/8")
1	1" extension
1	6" extension
1	12" extension
1	8" ratchet
1	Universal joint
1 set	Metric socket set 6 point (9 mm through 19 mm)
1 set	Metric deep sockets 6 point (9 mm through 19 mm)
1	Spark plug socket – 5/8"
1	Spark plug socket – 13/16"
1	Long flex head ratchet – 11"
1/2" Drive Set to Include:	
1 set	6 point metric sockets (12 mm through 24 mm)***
1 set	6 point sockets (7/16" through 1 1/8")***
1	6" extension
1	12" extension
1	10" extension
1	10" ratchet
1	Flex handle breaker bar 18" (approx.)
Wrench Sets:	
1 set	Combination long metric wrench set (6 mm through 19 mm and 21 mm) Optional But Recommended: 20 mm through 26 mm
1 set	Combination long wrench set (1/4 through 1") Optional But Recommended: 1 1/16" through 1 5/16"
1 set	Tubing wrenches 6 point flare nut (1/4 through 13/16)
1 set	Tubing wrenches 6 point flare nut (9 mm through 21 mm)
Chisel and Punch Sets	
1	3/8" center punch
1	1/2" and 3/4" chisels
1	3/32", 1/8", 3/16", and 5/16" pin punch
1	1/8", 3/16", and 5/16" starter punches
Combination Screw Driver Set	
1 set	Standard tip – 1/4" stubby, through 3/8" x 8" (5 piece set)
1 set	Phillips tip - #1, #2, #3, and #2 stubby (4 piece set)

Quantity	Description
	Hammers
1	Ball peen hammer 48 oz
1	Ball peen hammer 24 oz
1	Compothane hammer 32 oz
1	Rubber mallet
	Battery Tools
1	Battery post cleaner (top post type)
1	Battery post cleaner (side post type)
1	Wire brush
1	Battery post puller
	Pliers
1	12" channel lock
1	7" diagonal cutters
1	6"-8" long (needle) nose pliers
1	7" slip joint pliers
1	Wire stripping pliers with crimper
1	"Vise Grip" brand locking pliers 7" – 10"
	Miscellaneous Tools
1	Torx bit set – T8 through T60
1	Tire pressure gauge
1	Air chuck
1	Fender cover
1	18" and 36" pry bar with plastic handle
1	Feeler gauge round spark plug type .035-.080
1	Feeler gauge set (.0015-.025)
1	Inspection mirror round (extends 10" – 14")
1	6" pocket ruler with T bar, stainless steel, decimal equivalents on back
1	Gasket scraper
1	12 volt test light with insulated alligator clip (6' leads)
1	11 piece metric hex key set 2 mm through 12 mm
1	Dial indicator set 0-1" vise grip type with flex-arm
1	Magnetic dial indicator base (for use with above indicator)
1	Torque wrench 1/2 dr. 200 ft lb (click type)
1	Magnetic pick-up tool
1	Blow gun
1	Brake hold down spring tool
1	Brake return spring tool
1	Brake return spring pliers
1	Flexible pickup tool – 4 claw type
1	Oil filter wrench (2 7/8" – 3 7/8") standard
1	Oil filter wrench (3 1/2" – 3 7/8") standard
1	12" hacksaw
1	10" mill file with handle
1	Minimum 4 piece snap ring pliers set (internal/external)
1	O-ring pick set (4 piece)
1	Adaptors 3/8" dr to 1/2" dr, 1/2" dr to 3/8" dr, 3/8" dr to 1/4" dr
1	Ignition spark tester - Adjustable
1	Soldering iron kit 120v 150/175 watt
1	Tire valve core remover and stem installation tool
1	Digital calipers 0 to 6"
1	10 Piece std. hex key set 3/32" – 3/8"
1	3/8" drive std. hex bits (8 pieces) 1/8" – 3/8"
1	3/8" drive metric hex bits (7 pieces) 4mm-10mm
1	Drill bit set, high speed 1/16" -3/8" by 64ths
	Optional, But Recommended 1st Year (2nd Year Required Tools):
1	Air hose 3/8 ID x 25 ft long
1	Torque wrench (5 – 75 lb click type)

1	3/8 drive universal flex sockets 6 point (3/8" – 3/4")
1	Drill bit set, high speed 1/16" – 3/8" by 64 th
Quantity	Description
1	OSHA approved trouble light with 25' cord
1	Screw starter with magnet
1	Transmission piston lip seal installer tool (blade type)
1	Transmission snap ring pliers (serrated jaws at 90 angle) 9" long
1	Transmission piston lip seal installer tool (wire type)
1	3/8" drive metric flex sockets 6 point (10 mm – 19 mm)
	Optional, But Recommended Tools: 1st Year
1	Multimeter (autoranging)
1	Die grinder with carbide bit
1	Tamper resistant Torx bits
1	Torx plus bits
1	Vacuum pump set
1	3/8" air ratchet
1	3/8" air impact
1	1/2" air impact
1	Mini Mag light
1	Combination Std. & Metric Tap and Die Set

NOTE: Tools need to be ordered by June 15, 2009 to guarantee delivery by August 24, 2009.

I understand tools need to be ordered by June 15, 2009 for guaranteed delivery by first day of class.

Student Signature Date