

AUTOMOTIVE TECHNOLOGY TOOL LIST

Students are required to have the following tools/items as part of the Automotive Technology Program. Most manufacturers and tools come with lifetime warranty on their product depending on the type of tool. When buying tools, it is important to verify warranty and convenience of getting tools repaired/replaced. Once enrolled in the program, many vendors offer student discounts.

TOTAL PROGRAM TOOL COST: \$5,000-\$8,000



WINONA AREA CHAMBER OF COMMERCE REIMBURSEMENT

WACC will reimburse \$300-\$800 of the cost tools required for the automotive program. Receipts for the tools must be provided by the student.

REQUIRED

- Work Boots - (leather, lace up, or slip on boot with a minimum 6" height)
- Work Pants - (durable, shop appropriate pants)
- Program Shirts - (sizing and ordering will take place the first week of school)
- Safety Glasses - ANSI Z87+ standards are required for safety glasses. Glasses must have clear lenses. Prescription glasses must also meet required Safety Glass specifications or must be covered with ANSI Z87+ rated safety glasses.
- Tool chest on wheels with locking drawers
- 6pt 1/4" drive impact sockets 5.5mm - 15mm shallow and deep
- 6pt 3/8th" drive impact sockets 8mm - 19mm shallow and deep
- 6pt 1/2" drive impact sockets 10mm - 24mm shallow and deep
- 6pt Axle nut socket set approximately 27mm - 38mm
- 1/4", 3/8th", 1/2" Impact universal joint
- 1/4", 3/8th", 1/2" Chrome universal joint
- Impact style adapters
 - 1/4" to 3/8th"
 - 3/8th" to 1/4"
 - 3/8th" to 1/2"
 - 1/2" to 3/8th"
- 1/4" Extensions various lengths ranging from 1" to 10" Impact style
- 3/8th" Extension various lengths ranging from 1" to 12" Impact style
- 1/2" Extensions various lengths ranging from 3" to 8" Impact style
- 1/4" Ratchet locking flex head

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- 3/8th" Ratchet locking flex head
- 3/8th" Ratchet long handle locking flex head
- 1/2" Ratchet locking flex head
- 1/2" Ratchet 24" length locking flex head

- Combination wrench set (Approximately 7mm - 32mm)
- Flex head ratcheting wrenches (Approximately 10mm - 19mm)
- Line wrenches (Approximately 9mm - 18mm)

- Ballpeen hammers 32 oz. and 48 oz.
- Brass hammer 3 lb.
- Dead blow hammer 4 lb.

- Internal torx (Star bit) sockets standard T8 - T20
- Internal torx (Star bit) sockets tamper proof T8 - T20
- External torx E4 - E20
- Hex bit (Allen bit) sockets standard H4 - H20
- Hex bit (Allen bit) sockets metric 2mm - 19mm

- Screw driver set (Approximately 10-piece set)
- Revised 6/2023

- Pry bar set 8" to 24" (capped/strike through style)

- Pliers set (approximately 7-piece set including slip jaw, needle nose, diagonal cutters, channel locks, and linesman styles)

- Locking pliers set (including straight jaw, round jaw, and needle nose style)
- Snap-ring pliers set (internal/external capabilities approximately 10-piece set)

- Chisel and punch set (Approximately 16-piece set)

- Wire stripper/cutter
- Adjustable wrench 12"

- Brake tool set for disc/drum style set-ups and push/twist style brake calipers

- Pick and hook set

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- Blow gun with tips
- File set (square and round)
- Feeler gauge
- Digital caliper 0 - 6"
- Tape measure
- Gasket scraper (carbon and razor blade style)
- Telescoping magnet
- Telescoping mirror
- Small LED flashlight (rechargeable)
- Oil filter wrenches (plier, and swivel band style)
- Tire pressure gauge with chuck
- Tread depth gauge
- Spark plug sockets
- Stethoscope (automotive)
- Multi-meter (amps, volts, ohms)
- Test light (not LED style)
- 1/2" Full size impact (pneumatic)
- Angle die grinder (pneumatic)
- Cut off wheel (pneumatic)
- Air hammer with bits
- 1/2" Click style torque wrench
- 3/8th" Click style torque wrench

*Pneumatic tools typically do not come with fittings to connect to air hoses. The adapters needed to operate at MSC Southeast Automotive Lab are Style A 1/4" MNPT (Milton Part # S-777)