MSCTC – AUTOMOTIVE SERVICE TECHNOLOGY

Recommended Tool List

Tool Kit is required to participate in program labs. Acquire prior to start of program.

This is a recommended tool list which is available from most major tool companies. Some provide specific items to this list and others have general kits and packages which meet these needs. **\* OSHA Approved Safety Rated Glasses with side shields Required in all labs.** Standard Glasses are not acceptable.

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| **DESCRIPTIONS** | QTY. | DESCRIPTION | QTY. |
| **Digital Volt Ohm Meter \*** | 1 | Combination wrenches (1/2” to 1 ¼”) | 1 Set |
| ½”Dr. Reversible Ratchet | 1 | Combination Wrenches (6mm to 22mm) | 1 Set |
| ½” Dr. Universal Joint | 1 | Hexagon Key – Fractional | 1 Set |
| ½” Dr. 6” Extension | 1 | Hexagon Key – Metric | 1 Set |
| ½” Dr. 3” Extension | 1 | Punch/Chisel/Pin Punch (min. 9 Pc.) | 1 Set |
| ½” Dr 12” Extension | 1 | Torx Bits (10 to 55) | 1 Set |
| ½” Dr. Flex Handle (breaker bar) | 1 | Ball Peen Hammer (24 oz.) | 1 |
| ½” to 3/8” Adapter | 1 | Soft Face/Solid Blow Hammer | 1 |
| 3/8” to ½” Adapter | 1 | Locking Pliers (3) | 1 Set |
| ¼” to 3/8” Adapter | 1 | Diagonal Cutter Pliers | 1 |
| ½” Dr. 6Pt. Sockets (1/2” to 1 ¼”) | 1 Set | Channel Lock Pliers | 1 |
| ½” Dr 6 Pt. Sockets (10mm to 27mm) | 1 Set | Needle Nose Pliers | 1 |
| 3/8” Dr. Reversible Ratchet | 1 | Slip-Joint Pliers | 1 |
| 3/8” Dr. Speed Handle | 1 | Electrical Wire Pliers | 1 |
| 3/8” Dr. Universal Joint | 1 | Flat Blade Screwdrivers (4 pc.) | 1 Set |
| 3/8” Dr. 6” Extension | 1 | Phillips Screwdriver (4 pc.) | 1 Set |
| 3/8” Dr. 3” Extension | 1 | Thickness Feeler Gauge  | 1 Set |
| 3/8” Dr. 12” Extension | 1 | Spark Plug Gap Wire Gauge | 1 |
| 3/8” Dr. 5/8” Extra Deep Spark Plug Socket | 1 | Gasket Scraper – Rigid | 1 |
| 3/8” Dr. 13/16” Spark Plug Socket | 1 | Pry Bar (3 or 4 unit) | 1 Set |
| 3/8” Dr. 6Pt. Sockets (3/8” to 7/8” | 1 Set | Adjustable Wrench  | 1 Set |
| 3/8” Dr. 6Pt. Sockets (8mm to 22mm) | 1Set | Test Light | 1 |
| 3/8” Dr. 6Pt. Deep Sockets (3/8” to 7/8”) | 1 Set | Hacksaw | 1 |
| 3/8” Dr. 6Pt. Deep Sockets (8mm to 21mm) | 1 Set | Inspection Mirror | 1 |
| ¼” Dr. Reversible Ratchet | 1 | Telescoping Magnet | 1 |
| ¼” Dr. Universal Joint | 1 | Safety Glasses w/side shields\* (OSHA) | 1 Pair |
| ¼” Dr. 6” Extension | 1 | Mechanix Gloves | 1 Pair |
| ¼” Dr. 3” Extension | 1 |  |  |
| ¼” Dr. Driver Handle (screwdriver type) | 1 |  |  |
| ¼” Dr. 6Pt. Sockets (3/16 to ½”) | 1 Set | **AUTO II Additions:** |  |
| ¼” Dr. 6Pt. Sockets (4mm to 14mm) | 1 Set | ½” Dr. Torque Wrench | 1 |
| ¼” Dr. 6Pt. Deep Sockets (3/16 to ½”) | 1 Set | ½” Dr. Deep Impact Sockets (1/2” to 1 ¼”) | Set |
| ¼” Dr. 6Pt. Deep Sockets (4mm to 14mm) | 1 Set | 3/8” Dr. Metric/English Flex Sockets | Sets |
| ¼” Dr. Flex Sockets (3/16” to ½”) | 1 Set | 3/8” Dr. Flex Head Ratchet | 1 |

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| Additional Items |  |  |  |
| Fluke 87 meter | $300 | Approximate cost |  |
| Metric flare nut wrenches | $100 | Approximate cost |  |
| ½” air impact gun | $200 | Approximate cost |  |
| ½” metric and standard impact sockets | $200 | Approximate cost |  |
| 3/8” Flex head ratchet | $50 | Approximate cost |  |
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| ½” Torque Wrench 30-175 ft lb | $175 | Approximate cost |  |
| 6 Drawer Utility tool box cart 40” | $1530 | Based from MAC bid sheet |  |
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| Total cost to additional tools from bid |  |  |  |
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\*DVOM(to include) Volts ac/dc, Ohm, Frequency, Current (2Amp & 10/20 Amp), Continuity, Capture Feature. Fluke 87 Series Meter is considered top of the line.

Roller tool cabinet instead of Tool Chest is highly recommended for tool storage in shops. Top Chests are included in combination sets.