

ASE AUTOMOBILE ACCREDITATION TOOL LIST – HAND TOOLS – 2022

Air Blow Gun (meeting OSHA requirements)	Electric lab
Allen (Wrench or Socket) Set - Standard (.050"-3/8")	Room 29
Allen (Wrench or Socket) Set - Metric (2mm - 8mm, 10mm, 12mm)	Room 29
Battery Post Cleaner	Electric lab
Battery Terminal Pliers	Electric lab
Battery Terminal Puller	Electric lab
Chisels:	
Cape 5/16"	Room 29
Cold 3/8", 3/4"	Room 29
Chisel Holder	Room 29
Claw Type Pickup Tool	
Combination Wrenches:	
Standard (1/4" – 1 1/4") (optional)	Room 29
Metric (7mm - 24mm)	Room 29
Crowfoot Wrench Set - Metric	Room 29
Crowfoot Wrench Set – Standard (optional)	Room 29
Ear Protection	Room 29
Feeler Gauge (Blade Type):	
.002" - .040"	Room 33
.006mm - .070mm	Room 33
Files:	
Coarse 6" and 12"	Electric lab
Fine 6" and 12"	Electric lab
Half Round 12"	Electric lab
Round 6" and 12"	Electric lab
Flare Nut (tubing) Wrenches:	
3/8" - 3/4"	Room 29
10mm - 17mm	Room 29
Flashlight	Room 8
Fuse Puller/Remover	Electric lab
Fused Jumper Wire Set (with various adapters)	Electric lab
Hack Saw	Electric lab

Hammers:

16 oz. Ball Peen	Room 14
Brass	Room 14
Dead Blow Plastic Mallet	Room 14
Plastic Tip	Room 14
Rubber Mallet	Room 14

Inspection Mirror

Magnetic Pickup Tool

Pliers:

Combination 6"	Room 14
Hose Clamp	Room 14
Locking Jaw	Room 14
Needle Nose 6"	Room 14
Side Cutting	Room 14
Slip Joint	Room 14

Pry Bars:

Rolling Head	Room 29
Straight	Room 29

Punches:

Center	Room 29
Brass Drift	Room 29
Pin 1/8", 3/16", 1/4", 5/16 "	Room 29
Taper 3/8", 1/2", 5/8"	Room 29

Safety Glasses (meeting OSHA requirements)

Room 8

Scraper:

Plastic	Room 14
Gasket 1"	Room 14

Screwdriver - Blade Type:

Stubby	Room 29
6", 9", 12"	Room 29
Offset	Room 29

Screwdriver - Phillips:

Stubby #1, #2	Room 29
6" #1, #2	Room 29

12" #3	Room 29
Offset #2	Room 29
Screwdriver - Impact Driver Set	Room 8 Workstation 3
Socket Set - 1/4" Drive:	
1/4" - 1/2" Standard Depth (optional)	Room 14
1/4" - 1/2" Deep (optional)	Room 14
6mm - 12mm Standard Depth	Room 14
6mm - 12mm Deep	Room 14
2", 4" Extensions	Room 14
Ratchet	Room 14
Socket Set - 3/8" Drive:	
5/16" - 3/4" Standard Depth (6 point) (optional)	Room 29
3/8" - 3/4" Deep (6 point) (optional)	Room 29
10mm - 19mm Standard Depth (6 point)	Room 29
10mm - 19mm Deep (6 point)	Room 29
3", 5", 10" Extensions	Room 29
Flexhead Ratchet	Room 29
Ratchet	Room 29
Spark Plug Sockets 5/8", 13/16", 9/16"	Room 29
Spark Plug Sockets 14mm	Room 14
Speed Handle	Room 29
Universal Joint	Room 29
Flexible Socket Set 10mm - 19mm	Room 29
Socket Set - 1/2" Drive:	
7/16" - 1 1/8" Standard Depth (optional)	Room 29
7/16" - 1 1/8" Deep (optional)	Room 29
10mm - 24mm Standard Depth	Room 29
10mm - 24mm Deep	Room 29
3", 6", 12" Extensions	Room 29
Flex Handle (Breaker Bar)	Room 29
Ratchet	Room 29
Spark Plug Feeler Gauge (Gap Tool)	Room 33
Tape Measure – Standard and Metric	Electric lab
Test Light (12V and self-powered)	Electric Lab

Tire Pressure Gauge	Room 8
Tire Tread Depth Gauge	Room 8
Torque Wrench:	
3/8" Drive (10 - 250 lb. in.)	Room 8 Workstation 1
3/8" Drive (5 - 75 lb. ft.)	Room 8 Workstation 1
1/2" Drive (50 - 250 lb. ft.)	Room 8 Workstation 1
Torx® Set:	
T-8 to T-55	Room 29
Torx® External Set:	
E-4 to E-18	Room 29
Wire Brush	Room 29

ASE AUTOMOBILE ACCREDITATION TOOL LIST – GENERAL LAB EQUIPMENT – 2022

	Location	
Air Chisel Set (various bits)	Room 29	Cabinet s12
Air Compressor and Hoses	Room 29	Compressor room
Air Pressure Regulator	Room 29	Compressor room
Air Ratchet (3/8" drive)	Room 8	Workstation 1
Automotive Stethoscope (electronic recommended)	Room 14	On blue shelves
Axle Stands (Jack Stands)	Room 29	
Axle Support Stands (Screw Jacks)	Room 29	
Battery Charger	Electric Lab and Room 14	
Battery/Starter/Charging System Tester	Electric Lab	Workstation 6
Bearing Packer (hand operated)	Room 29	Grey Cabinet
Belt Tension Gauge	Room 8	Workstation4
Bench or Pedestal Grinder	Room 8	Near Tire Machine
Coolant/Combustion Gas Detector (recommended)	Room 8	Workstation 4
Coolant Tester – refractometer type	Room 8	Workstation 5
Cooling System Pressure Tester and Adapters	Room 8	Workstation 5
Creeper	Room 29	
Cylinder Leakage Tester	Room 8	Workstation 5
Dial Indicator with Flex Arm and Clamp Base	Room 14	Blue Honda Shelves
Digital Multimeter (DMM) with various lead sets (enough to meet instruction goals)	Electric lab	Workstation 6
Drain Pans	Room 29	
Drill - 3/8" variable speed, reversible	Room 8	Workstation 1
Drill - 1/2" variable speed, reversible	Room 33	Grey Cabinet
Electric Heat Gun	Electric Lab	Workstation 6
Engine Coolant Recovery Equipment or Recycler or Coolant Disposal Contract Service	Room 29	
Engine Hoist/Crane	Room 29	
Extension Cords	Room 8	Workstation 4
Face Shields	On top of Presses	
Fender Covers	Room 8	Workstation 1
Floor Jack (2 Ton Minimum)	Room 29	
Handheld Vacuum Pump	Room 8	Workstation 4

Hood Prop	Room 8	In each workstation
Hydraulic Press with adapters	Room 15 and Room 33	
Impact Socket Sets - 3/8" Drive (Standard - optional)	Room 29	
Impact Socket Sets – 3/8 Drive (8mm-19mm)	Room 29	
Impact Sockets - 1/2" Drive (7/16" - 1 1/8") (optional)	Room 29	
Impact Sockets - 1/2" Drive (12mm – 24mm)	Room 29	
Impact Sockets – 1/2" Drive Deep (30 mm, 32 mm, 36mm)	Room 29	
Impact Wrench - 1/2" Drive	Room 8	In each workstation
Impact Wrench - 3/8" Drive	Room 14	
Jumper Cables	Electric lab	
Master Puller Set	Room 29	
Micrometer (Depth) 0-6", 0-125mm	Room 33	
Micrometers - (Outside Type) 0-1", 1-2", 2-3", 3-4", 4-5"	Room 14 and 33	
Oil Can - Pump Type	Room 14 and 33	
Oil Filter Wrench and Sockets	Room 8	Workstation 1
Oxy-Acetylene Torch Set	Welding Room	
Parts Cleaning Tank and Gloves (non-solvent-based cleanser suggested)	Room 15 and 33	
Remote Starter Switch	Electric Lab	
Scan Tool OBDII w/CAN capability or Personal Computer (PC) with equivalent interface (appropriate capability to support tasks taught)	Room 8	Workstation 4
Screw Extractor Set	Room 29 and upstairs	
Seat Covers	Upstairs	
Serpentine Belt Tensioner Tools	Room 8	Workstation 1
Snap Ring Pliers Set - external	Room 14 and 33	
Snap Ring Pliers Set - internal	Room 14 and 33	
Soldering Gun	Electric lab	workstation 6
Soldering Iron (Pencil Tip)	Electric Lab	Workstation 6
Spark Plug Boot Puller	Room 8	Workstation 4
Tap and Die Set – Standard (optional)	Room 8	Workstation 1
Tap and Die Set – Metric	Room 8	Workstation 1
Temperature Sensing Device	Room 8	Workstation 5
Thread Repair Insert Kit	Room 14	
Tire Inflator Chuck	Room 8	Workstation 1
Trouble/Work Lights (Non-incandescent)	Room 8	

Tube Quick Disconnect Tool Set	Room 8	Workstation 4
Tubing Bender	Room 8	Workstation 3
Tubing Cutter/Flaring Set (Double-lap and ISO)	Room 8	Workstation 3
Twist Drill Set		
Ultraviolet Leak Detection Device (Black Light)	Room 8	Grey cabinet near tire machine
Used Oil Receptacle with extension neck and funnel	Room 29	
Valve Core Removing Tool	Room 8	On tire machine
Vehicle Lift		
Calipers – 0-6", 0-125mm	Room 14 and 33	
Wheel Chocks	Room 8	alignment machine
Workbenches with vises	Room 8	

ASE AUTOMOBILE ACCREDITATION TOOL LIST – SPECIALTY EQUIPMENT – 2022

Note: if a program does not teach a particular task, tools associated with that task are not required.

ENGINE REPAIR	MAST	Location
Antifreeze/Coolant Tester - Refractometer	X	Room 8 /orkstation 4
Ball (Small Hole) Gauges	X	Room 14 and 33
Cam Bearing Driver Set	X	Room 14 and 33
Camshaft Holding Tool	X	Room 14 and 33
Cylinder Deglazer	X	Room 33
Dial Bore Indicator	X	Room 14 and 33
Engine Stands and/or Cylinder Head Stands	X	Room 14 and 33
Inside Micrometer Set – 0-6", 0-125mm	X	Room 14 and 33
Oil Pressure Gauge	X	Room 14 and 33
Portable Crane - 1/2 Ton	X	Room 29
Precision Straight Edge	X	Room 33
Ring Compressor	X	Room 14 and 33
Ring Expander	X	Room 33
Ring Groove Cleaner	X	Room 33
Telescopic Gauge Set	X	Room 14 and 33
Torque Angle Gauge	X	Room 14 and 33
V-Blocks	X	Room 14 and 33
Valve Spring Compressor	X	Room 14 and 33
Valve Spring Tester	X	Room 14 and 33
AUTOMATIC TRANSMISSION/TRANSAXLE	MAST	
Differential Set-up Tools	X	Room 15
Hydraulic Pressure Gauge Set	X	Room 14
Transmission Jack(s)	X	Room 29
Transmission/Transaxle Flushing Equipment	X	Room 29
Transmission/Transaxle Removal and Installation Equipment	X	Room 29
Transmission/Transaxle Holding Fixtures	X	Room 33
Transmission/Transaxle Special Tool Sets (appropriate for units being utilized)	X	Room 15 and 33

MANUAL DRIVE TRAIN AND AXLES

	MAST		
Axle Nut Socket Set (or equivalent)	X	Room 29	
Clutch Alignment Set	X	Room 8	Workstation 1
Clutch Pilot Bearing/Bushing Puller/Installer	X	Room 8	Workstation 1
Constant Velocity Joint (CV) Boot Installation Tool	X	Room 15	
Constant Velocity Joint (CV) Boot Clamp Pliers or Crimping Ring	X	Room 15	
Engine Support Fixture	X	room 15	
Rotating Torque Wrench (beam-type or equivalent)	X	Room 8	Workstation 2
Special Tools for Transmissions, Transaxles, Transfer Cases, and Differentials (appropriate for units being taught)	X	Room 15	
Spindle Rethreader Die Set	X	Room 15	
Universal Joint Tools	X	Room 8	Workstation 1

SUSPENSION & STEERING

	MAST		
Ball Joint Press and other Special Tools	X	Room 8	Workstation 1
Brake Pedal Depressor	X	Room 8	Alignment Machine
Bushing Driver Set	X	Room 8	Workstation 1
Coil Spring Compressor Tool	X	Room 8	
Chassis Ear or equivalent listening device	X	Room 14	
Frame Angle Gauge or Portable Digital Protractor	X	Room 8	
Hand Grease Gun	X	Room 29	Grey cabinet
Inner Tie Rod End Tool	X	Room 8	Workstation 1
Pitman Arm Puller	X	Room 8	Workstation 1
Power Steering Pump Pulley Special Tool Set	X	Room 29	
Power Steering Pressure Gauges	X	On Black Acura TL	
Shock Absorber Tools	X	Room 29	
Strut Spring Compressor Tool (OEM-Recommended)	X	Room 8	
Tie Rod Puller/Separator/Remover	X	Room 14	
Tire Mounting Machine (rim clamp type)	X	Room 8	
Tire Patching Tools and Supplies	X	Room 29	Grey cabinet
Tire Pressure Monitoring System (TPMS) Tool	X	Room 14	
Wheel Alignment Equipment-4 wheel (including alignment tools)	X	Room 8	

Wheel Balancer - Electronic Type (Road Force capable recommended)	X	Room 8	
Wheel Weight Pliers	X	Room 8	

BRAKES

MAST

Bearing Seal and Race Driver Set	X	Room 8	Workstation 1
Brake Bleeder (Pressure or Vacuum)	X	Room 14	
Brake Disc Micrometer	X	Room 8	Workstation 3
Brake Drum Micrometer and Calibration Equipment	X	Room 8	Workstation 3
Brake Fluid Test Strips or Tester	X	Room 8	
Brake Lathe (bench with disc and drum service attachments)	X	Room 8	
Brake Lathe (on car)	X	Room 8 and 14	
Brake Lining Thickness Measurement Tool	X	Room 8	Workstation 3
Brake Shoe Adjusting Gauge	X	Room 8	Workstation 3
Brake Spring Remover/Installer	X	Room 8	Workstation 3
Brake Spring Pliers	X	Room 8	Workstation 3
Brake Spoon	X	Room 8	Workstation 3
Caliper Piston Retraction Set	X	Room 8	Workstation 3
Master Cylinder Bleeder Kit	X	Room 8	Workstation 3
Wheel Stud Service Tools	X	Room 8	Workstation 3

ELECTRICAL/ELECTRONIC SYSTEMS

MAST

Connector Pick Tool Set	X	Electric lab	Workstation 6
Molding and Trim Removal Tool(s)	X	Room 8	Workstation 1
Headlight Aimer or Screen	X	Electric Lab	
Heat Gun (or equivalent for heat shrinking operations)	X	Electric lab	Workstation 6
Terminal Tension (Pin Drag) Test Kit/Terminal Probe Kit (or equivalent)	X	Electric lab	Workstation 6
Wire and Terminal Repair Kit	X	Electric lab	Workstation 6

HEATING, VENTILATION, AND AIR CONDITIONING (HVAC)

MAST

A/C Compressor Clutch Service Tools	X	Room 8	Workstation 4
Dye Injection Kit	X	Room 8 and Room 29	Workstation 4
Hygrometer	X	Room 8	Workstation 4

A/C Leak Detector (to meet current industry standard)	X	Room 8	Workstation 4
A/C Manifold Gauge Set or equivalent (to meet current industry standard)	X	Room 8	Workstation 4
A/C Refrigerant Identification Equipment	X	Room 8	Workstation 4
A/C Refrigerant Recovery/Recycling/Recharging Station (to meet current industry standard)	X	Room 29	
Thermometer(s) (digital)	X	Room 8	Workstation 4
A/C Sealant Detector Kit	X	Room 8	Workstation 4

ENGINE PERFORMANCE

MAST

Compression Tester	X	Room 8	Workstation 5
Cylinder Power Balance Tester (Scan Tool/Manual Method)	X	Room 8	Workstation 5
Evaporative Emissions Control System (EVAP)	X	Room 8	Workstation 5
Exhaust Backpressure Tester (or equivalent)	X	Room 8	Workstation 5
Fuel Injection Pressure Gauge Sets with Adapters	X	Room 8	Workstation 5
Gasoline Quality Testing Kit (or equivalent)	X	Room 8	Workstation 5
Graphing Multimeter (GMM) and/or Digital Storage Oscilloscope (DSO)*	X	Room 14	
Infrared Thermometer (or appropriate substitute)	X	Room 8	Workstation 5
Injector Pulse Tester (or equivalent)	X	Room 8	Workstation 5
Leak Detector (Smoke or Nitrogen)	X	Room 8	Workstation 5
Oxygen Sensor Socket(s)	X	Room 8	Workstation 5
Pinch-off Pliers	X	Room 8	Workstation 5
Sending Unit Socket(s)	X	Room 8	Workstation 5
Spark Plug Thread Repair Tool(s)	X	Room 8	Workstation 5
Spark Tester	X	Room 8	Workstation 5
Vacuum/Pressure Gauge (or equivalent)	X	Room 8	Workstation 5

*Also necessary to accomplish tasks in other MAST categories (Brakes and Electrical/Electronic Systems)