

# General Shop Tools

# 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	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 (sufficient quantities 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	
Extension Cords	Room 8	Workstation 4
Face Shields	On top of Presses	
Fender Covers	Room 8	Workstation 1
Floor Jack (1½ Ton Minimum)	Room 29	
Hand Held Vacuum Pump	Room 8	Workstation 4
Hoist(s)	Room 8	
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 Set - 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) 144 Effective 1/1/2017	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)	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		
Ultra Violet 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
Calipers		

0 - 6"

0 - 125mm

Wheel Chocks

Workbenches with vises

Room 14 and 33

Room 14 and 33

Room 8

Room 8

alignment machine

# SUSPENSION & STEERING

## Location

Ball Joint Press and other Special Tools	Room 8	Workstation 1
Brake Pedal Depressor	Room 8	Alignment Machine
Bushing Driver Set	Room 8	Workstation 1
Coil Spring Compressor Tool	Room 8	
Chassis Ear (recommended)	Room 14	
Frame Angle Gauge or Portable Digital Protractor (appropriate for tasks being taught)	Room 8	
Hand Grease Gun	Room 29	Grey cabinet
Inner Tie Rod End Tool	Room 8	Workstation 1
Pitman Arm Puller	Room 8	Workstation 1
Power Steering Pump Pulley Special Tool Set (appropriate for units being taught)	Room 29	
Power Steering Pressure Gauges (recommended)	On Black Acura TL	
Shock Absorber Tools	Room 29	
Strut Spring Compressor Tool	Room 8	
Steering Angle Gauge or Portable Digital Protractor (appropriate for tasks being taught)	Room 8	
Steering Column Special Tool Set (appropriate for teaching units being utilized)	Room 29	
Tie Rod Puller	Room 14	
Tire Mounting Machine	Room 8	
Tire Patching Tools and Supplies	Room 29	Grey cabinet
Tire Pressure Monitoring System (TPMS) Tool (appropriate for tasks being taught)	Room 14	
Wheel Alignment Equipment-4 wheel (including alignment tools)	Room 8	
Wheel Balancer - Electronic Type	Room 8	
Wheel Weight Pliers	Room 8	

# BRAKES

# Location

Bearing Seal and Race Driver Set	Room 8	Workstation 1
Brake Bleeder, Pressure or Vacuum	Room 14	
Brake Disc Micrometer	Room 8	Workstation 3
Brake Drum Micrometer and Calibration Equipment	Room 8	Workstation 3
Brake Fluid Test Strips or Kit	Room 8	
Brake Lathe (bench with disc and drum service attachments)	Room 8	
Brake Lathe (on car)	Room 8 and 14	
Brake Shoe Adjusting Gauge	Room 8	Workstation 3
Brake Spring Remover/Installer	Room 8	Workstation 3
Brake Spring Pliers	Room 8	Workstation 3
Brake Spoon	Room 8	Workstation 3
Master Cylinder Bleeder Kit	Room 8	Workstation 3
Caliper Piston Retraction Set	Room 8	Workstation 3
Wheel Stud Service Kit 151 Effective 1/1/2017	Room 8	Workstation 3

# HEATING AND AIR CONDITIONING

## Location

A/C Compressor Clutch Service Tools	Room 8	Workstation 5
A/C Service Port Adapter Set	Room 8 and Room 29	Workstation 5
Dye Injection Kit	Room 8	Workstation 5
Hygrometer	Room 8	Workstation 5
A/C Leak Detector (to meet current industry standards)	Room 8	Workstation 5
A/C Manifold Gauge Set or equivalent (to meet current industry standards)	Room 8	Workstation 5
A/C Refrigerant Identification Equipment	Room 8	Workstation 5
Refrigerant Recovery/Recycling/Recharging Station (to meet current industry standards)	Room 29	Workstation 5
Thermometer(s) (digital)	Room 8	Workstation 5
Sealant Detector Kit	Room 8	Workstation 5

# ENGINE PERFORMANCE

# Location

Cylinder Power Balance Tester	Room 8	Workstation 4
Evaporative Emissions Control System (EVAP)	Room 8	Workstation 4
Four or Five Gas Exhaust Analyzer (Five Gas recommended)	Room 8	Workstation 4
Fuel Injection Pressure Gauge Sets with Adapters	Room 8	Workstation 4
* Graphing Multimeter (GMM) and/or Digital Storage Oscilloscope (DSO)	Room 14	
Infrared Thermometer (or appropriate substitute)	Room 8	Workstation 5
Injector Pulse Tester	Room 8	Workstation 4
Leak Detector (Smoke or Nitrogen)	Room 10 closet	
Logic Probe (appropriate for tasks being taught)	Room 8	Workstation 4
Oxygen Sensor Socket	Room 29	
Pinch-off Pliers	Room 8	Workstation 4
Sending Unit Socket(s)	Room 8	Workstation 4
Spark Plug Thread Tap	Room 8	Workstation 4
Spark Tester	Room 8	Workstation 4
Timing Advance Light	Room 8	Workstation 4
Vacuum/Pressure Gauge	Room 8	Workstation 4
* Also necessary to accomplish tasks in other MAST categories (Brakes and Electrical/Electronic Systems)		Workstation 4

# AUTOMATIC TRANSMISSION/TRANSAXLE

## Location

Differential Set-up Tools	Room 15
Hydraulic Pressure Gauge Set	Room 14
Transmission Jack(s)	Room 29
Transmission/Transaxle Flushing Equipment (recommended)	Room 29
Transmission/Transaxle Removal and Installation Equipment	Room 29
Transmission/Transaxle Holding Fixtures	Room 33
Transmission/Transaxle Special Tool Sets (appropriate for units being utilized) 152 Effective 1/1/2017	Room 15 and 33



# ELECTRICAL

# Location

Connector Pick Tool Set	Electric lab	Workstation 6
Molding and Trim Removal Tool(s)	Room 8	Workstation 1
Headlight Aimer or Screen	Room 29	
Heat Gun (or equivalent for heat shrinking operations)	Electric lab	Workstation 6
Terminal Tension (Pin Drag) Test Kit/Terminal Probe Kit (or equivalent)	Electric lab	Workstation 6
Wire and Terminal Repair Kit	Electric lab	Workstation 6

# MANUAL TRANSMISSIONS

## Location

Axle Nut Socket Set (or equivalent)	Room 29	
Clutch Alignment Set	Room 8	Workstation 1
Clutch Pilot Bearing/Bushing Puller/Installer	Room 8	Workstation 1
Constant Velocity Joint (CV) Service Tools:	Room 15	
Boot Installation Tool	Room 15	
Boot Clamp Pliers or Crimping Ring	Room 15	
Front Wheel Drive Engine Support Fixture	Room 14	
Rotating Torque Wrench (beam-type or equivalent)	Room 8	Workstation 1
Special Tools for Transmissions/Transaxles (appropriate for units being taught)	Room 15 and 33	
Spindle Rethreader Die Set	Room 15	
Universal Joint Tools	Room 8	Workstation 1

# ENGINE REPAIR

# Location

Ball (Small Hole) Gauges	Room 14 and 33	
Cam Bearing Driver Set (suggested)	Room 33	
Camshaft Holding Tool (appropriate for units being taught)	Room 14 and 33	
Cylinder Deglazer	Room 33	
Dial Bore Indicator	Room 14 and 33	
Antifreeze/Coolant Tester	Room 8	Workstation 5
Engine Stands/Benches	Room 14 and 33	
Inside Micrometer Set:		
0 - 6"	Room 14 and 33	
0 - 125mm	room 14 and 33	
Micrometer (Depth)		
0 - 6"	Room 14 and 33	
0 - mm	Room 14 and 33	
Oil Pressure Gauge	Room 14 and 33	
Outside Micrometer Set:		
0 - 6"	Room 14 and 33	
0 - 125mm	Room 14 and 33	
Portable Crane - 1/2 Ton	Room 29	
Ring Compressor	Room 14 and 33	
Ring Expander	Room 33	
Ring Groove Cleaner	Room 33	
Precision Straight Edge	Room 14 and 33	
Telescopic Gauge Set	Room 14 and 33	
Torque Angle Gauge 153 Effective 1/1/2017	Room 14 and 33	
V-Blocks	Room 14 and 33	
Valve Spring Compressor	Room 14 and 33	
Valve Spring Tester	Room 14 and 33	