

Automotive Program Required Tools List 2019/20

Tool storage requirements:

Roller Cabinet at least 6,000 cubic inches

Maximum width 45 inches

5 - 6 ' chain and lock to secure your tool box

Adapters

1/4" - 3/8"	
3/8" - 1/4"	
3/8" - 1/2"	
1/2" - 3/8"	

Brake Tools

3/8" Drive	
3/8" Drive 3/8" Hex Allen Socket	
Brake Shoe Coil Retaining Spring remover/installer	
Brake Spring tool (remover/installer)	

1/4" Drive

Ratchet	
Extension 3"	
Extension 6"	
1/4" Universal joint	
1/4" Driver handle	

1/4" Drive Sockets Deep and Shallow

11 Piece Metric	Deep	Shallow
6mm		
7mm		
8mm		
9mm		
10mm		
11mm		
12mm		
13mm (optional)		

3/8" Drive

Ratchet flex head	
Universal joint	
3" Extension	
5" or 6" Extension	
10" or 12" Extension	
Spark Plug Socket 5/8"	

3/8" Drive sockets, Deep and Shallow

12 Piece Metric	Deep	Shallow
8mm		
9mm		
10mm		
11mm		
12mm		
13mm		
14mm		
15mm		
16mm		
17mm		
18mm		
19mm		

1/2" Drive

Ratchet	
Breaker Bar 18"	
6" Extension	
12" Extension	
Universal joint	

Metric

12 Piece, size range from 15 to 27mm	
15mm	
16mm	
17mm	
18mm	
19mm	
20mm	
21mm	
22mm	
23mm	
24mm	
25mm	
27mm	

Flare Nut Wrenches

Standard	
1/4", 5/16"	
3/8", 7/16"	
1/2", 9/16"	
5/8", 11/16"	
3/4", 13/16"	

Combination Wrenches

Metric	
8mm	
9mm	
10mm	
11mm	
12mm	
13mm	
14mm	
15mm	
16mm	
17mm	
18mm	
19mm	
20mm	
21mm	
22mm	
23mm	
24mm	
25mm	
26mm	
27mm	
28mm	
29mm	
30mm	

Flare Nut Wrenches

Metric	
8mm	
9mm - 11mm	
10mm - 12mm	
13mm - 14mm	
15mm - 17mm	
16mm - 18mm	
19mm - 21mm	

**Magnetic Screwdriver and Bit Set
with the recommended bits below**

Slotted Bits	
Phillips Bits	
Torx Bits	
Pozidriv Bits	
Hex Bits	

At least an 8 piece screwdriver Set

Straight Blade	
Phillips	

Additional Required Tools

Fluke 88V and alligator clips (can be purchased thru the LLC auto club)	
Circuit Tester (un-powered test light)	
Terminal crimper/wire stripper	
Gasket scraper	
Tire chuck	
Tire gauge	
Flashlight	
Tape measure	
Tire tread depth gauge	
Blow gun (with OSHA approved tip)	
Safety glasses	
Telescoping pick up magnet	
Pick set	
Pry bar 16" (round tapered shaft with ladies foot end)	
Pry bar 24" (screwdriver handle type with straight or bent end)	
Feeler gauge .0015 - .035)	
Spark plug gap gauge 0.20" - .100	
Vice grips	
Diagonal cutters (wire cutters)	
Slip joint (standard pliers) 6"	
Needle nose pliers 6"	
Arc joint (Channel lock type) pliers	
Pliers/pullers spark plug boot	
Hammer plastic head	
Hammer ball peen 16 oz.	
Hammer ball peen 32oz.	

Additional Optional Tools

Hacksaw
Combination wrenches 1/4" to 1"
Sockets 3/8" drive standard 1/4" to 7/8" shallow and deep
Sockets 1/4" drive standard 3/16" to 9/16" shallow and deep
Punch and chisel set
Spark plug socket(s) 13/16, 9/16, 14mm, 18mm