



Recommended Tool Selection for Full Service Bicycle Retailers

Tools in the bicycle service department serve many purposes. Tools obviously are used to assemble new bike and to service used bikes. A tool that saves time and effort is making you money. Tools and tool layout also can make an impression on potential customers, even if they are only purchasing a water bottle or some other accessory. When setting up a service area, take the time to consider how the customer would view the service area. Strive to make the service area be a part of the store that you and your employees are proud of showing off to the customer.

There are certain tools you may want to select simply to be known as the best service department around. Some tools may be used only once or twice a year. However, if a customer comes in for that particular repair, and your shop has the right tool and can fix their problem, you have a very satisfied customer. You purchased goodwill when you purchased the tool.

There is not necessarily a fixed set of “normal” tools for a bicycle shop. Each store will need to address the needs of the customer by selecting the appropriate combinations of tools. Keep in mind that servicing the customer is the goal. It is not necessary to have every tool listed for the opening day of a store. It will take time learn who your customers are, and what types of service they want.

No tool can be expected to last forever. Expect some tools to fully depreciate within one year. Tools will wear out with time and use. The design of the component part often limits tool service. For example, a cone on a hub has a very narrow surface for a wrench. The torque's and loads placed on cones by some mechanics and/or manufacturers is so high that a wrench may begin to wear. Assign tool inspection to one person in your store. Heavily used tools such as spoke wrenches, hex wrenches, and cone wrenches should be inspected the first of each month. Replace worn tools.

This list is written for a “full service bicycle retailer”, who will offer service to any potential customer, including complete overhauls of bicycle brands they do not carry. Typically, there will be someone employed in the role of service manager. The assumption is that the store has also made a commitment to stock a full line of replacement parts.

It is likely that a professional bicycle store will have several benches, but not every bench requires every possible tool. The list shows recommendations for a primary or “master” bench, as well as “secondary” benches, which are typically used for assembly work and some repair.



Full Service Shop Recommended Tools

ITEM	DESCRIPTION OR PARK TOOL #	Master bench	Secondary bench
Park Tool repair stands, one per bench. There are many options.	Park Tool PRS-33, PRS-2.2-1 PRS-2.2-2 PRS-3.2-1 PRS-3.-2	X	X
Park Tool repair stand for bikes that cannot be clamped	PRS-20 or PRS-21	X	
Handlebar Holder	Park Tool HBH-2	X	X
Work apron	Park Tool SA-3 or SA-1	X	X
Hex wrench hand-set	Park Tool AWS-10	X	X
3 way Hex-wrench, 4,5,6mm	Park Tool AWS-1	X	X
Hex-wrench, three way wrench-2, 2.5, 3mm	Park Tool AWS-3	X	X
Hex-wrench, three way, 4mm, 5mm, T25	Park Tool AWS-7	X	X
P-handle hex wrench set and holder 2, 2.5, 3, 4, 5, 6, 7, 8, and 10mm	Park Tool PH-1	X	X
Hex wrench 11mm	HR-11	X	
Hex wrench 12mm	HR-12	X	
Hex wrench 14mm	HR-14	X	
Hex wrench 15mm	HR-15	X	
Hex wrench set- L-shaped	Park Tool HXS-2	X	X
Star Point wrench- PH-T25, for hydraulic discs in size T-25	Park Tool PH-T25	X	X
Star Shaped Wrench Set T6, T8, T10, T-15, T-20, T-25, T-30, T40	Park Tool PHT-1	X	
Star Shaped Wrench Set T7 to T40	Park Tool TWS-2	X	
3/8" drive torque wrench 0-60 inch pounds	Park Tool TW-5	X	X
3/8" drive torque wrench 0-600 inch pounds	Park Tool TW-6	X	X
Socket set 3/8" drive, including 8,9,10,14,15mm sockets. 4,5,6,8,10 hex bits sockets.	Park Tool SBS-1	X	X
Torque Limiter- 4 to 6Nm	Park Tool ADT-1	X	X
3/8" ratchet handle, 8"	Hardware/tool store	X	X
Parts Washer	Hardware/tool store	X	
Work bench	Hardware/tool store	X	X
Tool board Painted white, and outlined for tools, using hooks	Lumber Supply: Peg board 4x8 sheet of 1/4 inch thick	X	X
Work stool	Park Tool STL-1.2 or STL-2.2	X	X
Mechanics Gloves	Park Tool MG-2 (M,L,XL)	X	X
Vise	4" jaws with rotating base	X	
Axle vise jaws for vise	Park Tool AV-1 and Park Tool AV-5	X	
Magnetic Parts Bowl	Park Tool MB-1	X	X
Bench grinder, 6" wheel with coarse and fine stones	Hardware/tool store	X	

Park Tool

Air compressor	Minimum 3.5 hp, 30 gallon tank, get larger if running air tools	X	
Air line, fitting, quick couplers, air gun	Hardware/tool store	X	X
Air chuck	Park Tool INF-2	X	X
Hand drill, 3/8" chuck, reversible	Hardware/tool store	X	
Drill bit set and index	Hardware/tool store	X	
Center punch	Hardware/tool store	X	
Hammer, double sided	Park Tool HMR-4	X	X
Tape measure- metric and English	Park Tool RR-12	X	X
Dial metric caliper	Park Tool DC-1	X	X
Thread pitch gauge	Hardware/tool store	X	
6" machinist ruler	Hardware/tool store	X	
Scribe	Hardware/tool store	X	
Screwdriver-(Phillips - #0, #2) Straight blades 5/32" and 1/4" flat blades)	Park Tool SD-SET	X	X
Permanent marker	Hardware/tool store	X	X
Snap ring pliers- set of four	Park Tool RP-SET	X	
Diagonal side cutters	Park Tool SP-7	X	X
Long nose pliers	Park Tool NP-6	X	
6" slip joint pliers	Hardware/tool store	X	X
Soldering gun, plus solder and flux	Hardware/tool store	X	X
10 round file ("rat tail")	Hardware/tool store	X	
10" flat bastard file	Hardware/tool store	X	
10" flat mill bastard file	Hardware/tool store	X	X
File handles	Hardware/tool store	X	
12" hacksaw with blades 24 TPI & 32 TPI	Park Tool SAW-1	X	
Punch set, including drift and chisel	Hardware/tool store	X	
Pick Set	Park Tool UP-SET	X	X
Combination wrenches, 6mm-17mm	Park Tool MW-1.2	X	X
6" adjustable wrench	Park Tool PAW-6	X	
12" adjustable wrench	Park Tool PAW-12	X	X
Flash light	Hardware/tool store	X	
Scissors	Hardware/tool store	X	X
Knife	Park Tool UK-1	X	X
Tapered hand reamer	Hardware/tool store	X	
Tap Handle- small taps	Park Tool TH-1	X	
Tap Handle- larger taps (pedal)	Park Tool TH-2	X	
Tap 5mm x 0.8mm	Park Tool TAP-8	X	
Tap 6mm x 1.0mm	Park Tool TAP-9	X	
Tap 10mm x 1.0mm	Park Tool TAP-10	X	
Tap 9/16" x 20TPI (pedals)	Park Tool TAP-6C	X	
Tap 1/2" x 20TPI (pedals)	Park Tool TAP-3C	X	

Park Tool

ITEM	DESCRIPTION OR PARK TOOL #	Master bench	Secondary bench
Heli-coil brand thread repair kits in 10x1, 6x1, and 5x0.8mm	Tool store or other distributors	X	
Bottom Bracket Tools			
Bottom bracket tap set (comes with BSC threaded taps)	Park Tool BTS-1	X	
Italian taps (36mm x 24 TPI)- if Italian threading used. 2 required for tapping and facing	Park Tool #693	X	
Cartridge Bottom Bracket Installer	Park Tool BBT-22	X	X
Campagnolo® Mirage, KHS, Thun & similar cartridge installer	Park Tool BBT-4	X	
Campagnolo® Record bottom bracket tool and Campy cassette lockring tool	Park Tool BBT-5/ FR-11	X	X
Bottom bracket tool for 16 notch external bearing cups, i.e., Shimano® Hollow Tech II and Race Face® X-type, SRAM®, Truvativ®, FSA®	Park Tool BBT-9 (hand wrench)	X	X
Adjusting cap tool for Shimano® Hollowtech II	BBT-10.2	X	X
Bottom bracket tool for BSA30 threaded adaptors. 46mm cup OD with 12 notches	BBT-79	X	
Bottom bracket tool for 16 notch external bearing cups with 44mm diameter, i.e., Shimano® Hollow Tech II and Race Face® X-type, SRAM®, Truvativ®, FSA®	Park Tool BBT-69 (socket type tool)	X	X
Bottom bracket tool for 16 notch external bearing cups with 41mm diameter, i.e., Shimano® Ultegra 6800	Park Tool BBT-59 (socket type tool)	X	
Bottom bracket tool for 16 notch external bearing cups with 41mm diameter, i.e., Shimano® XTR and Dura-Ace	Park Tool BBT-49 (socket type tool)	X	X
Bottom bracket bearing press. For GXP, PF41, PF30, BB30, EVO386, MID, SPANISH and more	Park Tool BBP-1	X	
Bottom bracket tool for 16 notch cup bearings for Shimano® Di2 eleven speed and FSA® MegaEvo threaded external bearings	Park Tool BBT-29	X	
36mm Fixed cup spanner- cup and cone adjustable bottom brackets, plus pin spanner	Park Tool HCW-4	X	X
Lockring spanner – double sided 1 notch and 3 notch type	Park Tool HCW-5	X	X
Adjustable cup pin spanners	Park Tool SPA-1	X	X
Dura-Ace BB 7700 lockring tool, six notches	Park Tool BBT-7	X	X
Bottom bracket tool for 8-notched cups, i.e., Bontrager®, Shimano® XTR M950 BB, Truvativ® Also fits crank cassette chainring lockring	Park Tool BBT-18	X	X

Park Tool

Headset			
Headtube facer/reamer HTR-1 includes 30.0mm reamer HTR-1B includes 33.8mm reamer	Park Tool HTR-1 or HTR-1B	X	
Reamer extension for deep insert headsets	Park Tool #769	X	
Reamer/Racer for Campagnolo® Hiddenset (integrated)	Park Tool #761S	X	
Reamer/Facer for IS headset (integrated)	Park Tool #756S	X	
Facer for ZS41 and PF30 shells	Park Tool #690-XL	X	
Facer for ZS56 headset	Park Tool #690-XXL	X	
Pilot for facing internal headsets, used with 690-XL	Park Tool #768	X	
Fork Column threading & chasing tool	Park Tool FTS-1	X	
Cutting Fluid for all machining	Park Tool CF-2	X	
Crown race facing tool	Park Tool CRC-1	X	
Crown race facing tool-oversized crowns	Park Tool CRC-15	X	
Headset Press	Park Tool HHP-2	X	
36/32mm lower race spanner (threaded headsets)	Park Tool HCW-15	X	X
Headset race removal tool 1 inch to 1-1/4 inch	Park Tool RT-1	X	
Headset race removal tool 1.5 inch to 2 inch	Park Tool RT-2	X	
Fork race removal tool	Park Tool CRP-2	X	
Fork race installer- 1" and 1-1/8" columns	Park Tool CRS-1	X	
Fork race installer- 1.5" column	Park Tool CRS-15	X	
Fork saw guide- threaded 1"	Park Tool SG-1	X	
Fork saw guide- threaded 1-1/8"	Park Tool SG-2	X	
Threadless fork saw guide	Park Tool SG-6	X	
Threadless "star nut" installer	Park Tool TNS-4	X	
Chain Tools and Drive Train			
Crank extractor Square type spindle	Park Tool CCP-22 or CWP-7	X	X
Crank extractor ISIS DRIVE® & Shimano® Octalink type	Park Tool CCP-44 or CWP-7	X	X
Chain Scrubber	Park Tool CM-5.2	X	X
Chainring Bolt Circle Diameter Gauge	Park Tool CDG-2	X	
Chainring sleeve nut wrench	Park Tool CNW-2	X	X
Chain rivet extractor- derailleur chain including 11 speed and wide 1/8" and 3/16"	Park Tool CT-3.2	X	X
Master Link Pliers	Park Tool MLP-1.2	X	X
Chain wear tool	Park Tool CC-2 or CC-3.3	X	
Pedal wrench crows foot in 15mm	Park Tool TWB-15	X	
Pedal wrench	Park Tool PW-3 or PW-4	X	X
Dumby pedal	Park Tool DP-2	X	
Derailleur hanger alignment tool	Park Tool DAG-2.2	X	
Hub bearing press	Park Tool HBP-1	X	
Cone wrench set- Includes 13-24mm, 26 and 28mm	Park Tool SCW-SET.3	X	X
Dropout alignment tools	Park Tool FFG-2	X	

Park Tool

Hub wrench- four sided 15, 17, 19mm, 3/8" square for bits (Primarily BMX)	Park Tool MQ-1	X	
Sprocket tightening tools (chain whips)	Park Tool SR-11 or SR-2.2	X	X
Freewheel tool wrench handle for all FR tools	Park Tool FRW-1	X	X
Freewheel removal tool Shimano splined type	Park Tool FR-1.2	X	X
Freewheel removal tool Suntour two notched	Park Tool FR-2	X	X
Freewheel removal tool Suntour two notched	Park Tool FR-3	X	X
Freewheel removal tool, Atom and Regina type	Park Tool FR-4	X	X
Cassette lockring tool	Park Tool FR-5G	X	X
Cassette lockring tool for 12mm thru axle hubs	Park Tool FR-5GT	X	X
Single speed freewheel BMX	Park Tool FR-6	X	X
Freewheel removal tool Falcon® freewheels	Park Tool FR-7	X	
Single speed, compact size, 30mm thread	Park Tool FR-8	X	
Freehub removal tool Need 10, 11 and 12mm hex wrenches	Park Tool PH-10, HR-11 and HR-12	X	
Rear cluster cleaning brush	Park Tool GSC-1	X	
Wheel Tools			
Spoke tension meter	Park Tool TM-1	X	X
Spoke wrenches	Park Tool SW-0, SW-1, SW-2, SW-3, SW-40, SW-42	X	X
Spoke wrench for Shimano® system wheels	Park Tool SW-14.5	X	
Spoke wrench- Mavic® type- 7 splines	Park Tool SW-12	X	
Spoke wrench-Mavic® type, 6 splines	Park Tool SW-13	X	
Spoke wrench for stripped nipples	Park Tool SW-10	X	
Spoke wrench for internal nipples	Park Tool SW-15	X	
Spoke wrench for Campagnolo 5.5 and 6mm nipples	Park Tool SW-11	X	
Spoke length ruler	Park Tool SBC-1	X	
Wheel dish gauge	Park Tool WAG-4	X	
Wheel truing stand	Park Tool TS-2.2	X	X
Truing stand base	Park Tool TSB-2	X	X
Truing stand extensions	Park Tool TS-2EXT.2	X	
Disc rotor truing gauge	Park Tool DT-3	X	
Disc rotor truing gauge dial indicator	Park Tool DT-3i	X	
Tire levers	Park Tool TL-4.2	X	X
Piston Press for hydraulic brake calipers	Park Tool PP-1.2	X	
Metric flare nut wrench 8mm and 10mm	Park Tool MWF-1	X	
Tire levers- steel, heavy duty	Park Tool TL-5	X	X
Tire seating pliers	Park Tool PTS-1	X	
Valve core remover	Park Tool VC-1	X	X
4th hand tool	Park Tool BT-2	X	X
Disc Brake Facing Tool for Post Mount, Flat Mount and IS	Park Tool DT-5.2	X	
Rotor Alignment and Truing Fork	Park Tool DT-2	X	X

Park Tool

Cable cutter	Park Tool CN-10	X	X
Offset brake wrench 14-hooks	Park Tool OBW-3	X	
Thin open end wrenches	Park Tool CBW-1 (8 and 10mm) CBW-4 (9 and 11mm)	X	X
Frame align gauge	Park Tool FAG-2	X	X
Kick stand removal tool	BICYCLE SUPPLY DISTRIBUTORS	X	
Bending tool, leverage assistance	Park Tool FFS-2	X	
Frame holder for alignment	Thread in old steel bb cups and mount bike in vise on cups	X	X
Suspension shock fork and rear shock service tools tend to be very proprietary, fitting only one brand or model. Contact fork or shock manufacturer directly.	N/A		
Grease	Park Tool PPL-2 or PPL-1. For special use HPG-1	X	X
Anti-Seize for thread preparation	Park Tool ASC-1	X	
Assembly compound	Park Tool SAC-2	X	