

Master Bench Tool Kit: Content Guide, BOX A

Thank you for choosing Pedro's! This guide is intended to provide an overview of the tools included in your kit. Please visit pedros.com for additional information.

I. Chain Pig

Features include an innovative quick-lock closure and novel drag-free derailleur hook for easy use and hands-free operation, brush wheels with large diameter bristles for durability and cleaning performance, and a large durable sponge to wick excess and contaminated fluid, minimizing mess and dripping. Compatible with all multi-speed bikes and most single-speed bikes.

2. Pro Brush Kit

Set of 4 unique brushes designed specifically to easily and quickly clean all parts of the bike. Made with the user experience and durability in mind, each brush's ergonomic handle fits well in your hand while offering unmatched durability. The bristles of each brush, which vary in diameter, length, and density, have been selected to provide a balance of durability, cleaning performance, and gentleness to match each brush's intended usage.

3. Chain Keeper

Inserts into the right rear dropout when the wheel is removed for efficient cleaning, storing, or transporting your bike. The quick-release lever allows for fast and easy installation and removal.

4. Utility Knife

Stainless and aluminum construction provide a balance of low weight and durability, ready for years of daily use. Easily operable with one hand, the folding design locks open during use and folds to half its size, perfect in a pocket or clipped to a belt, always ready for the next job. Standard replaceable blades are easy to find at your local hardware store.

5. The Hammer

Professional quality, efficient, mechanic's hammer perfect for the tool box or shop, and ready to tackle all your bicycle hammering needs. The Hammer features two-sided, heat treated tool steel head with a replaceable plastic face on one side. It features a compact 10.75" (275mm) length, 550g weight, and Dice Grip handle for comfort, control, and vibration absorbtion.

6. Cone Wrenches*

Made from precision laser cut, heat-treated tool steel for the ultimate in strength and lasting performance. Pedro's designed each cone wrench to fit perfectly protecting the hub and ensuring simple and safe usage for the mechanic. Each ergonomically designed flat wrench features a single-ended design with cushioned grip to provide maximum leverage & comfort. Kit includes 13-16mm (2ea) and 17-20mm sizes.

7. Crank Removers

Made from heat-treated tool steel for the ultimate in strength and lasting performance and features a floating tip design for easy crank removal. Work with any 15mm wrench. Kit Includes: Crank Remover fits all cranks using 22mm x I threads and square, tapered bottom bracket spindles. Crank Remover - Splined Axles fits all cranks using 22mm x I threads and splined Shimano® Octalink and ISIS Drive® bottom bracket spindles that do not use a "self extracting" system.

8. Crank Adjusting Cap Driver

Used to install and remove adjusting caps of Shimano Hollowtech II crank/bottom bracket systems. The unique, dual-density, screwdriver handle provides improved ergonomics and comfort while assisting in control of torque applied to the cap. Precision laser-cut tool bit is made from heat-treated tool steel for strength and durabilty.















9. Needle Nose Pliers

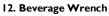
Feature a compact 6" (150mm) length, forged and heat-treated steel construction, and ergonomic dual-density grips. The self-opening jaws provide a full-featured profile, ready for gripping, crimping, and cutting tasks.

10. Diagonal Cutter Pliers

Feature a compact 6" (150mm) length, forged and heat-treated steel construction, and ergonomic dual-density grips. The cutting jaws are self-opening and ready for years of service.

II. Downhill Tire Lever

Features heat-treated tool steel construction for unmatched strength and reliability, 275mm (10.8") length for incredible leverage, a large shovel tip that holds tight on the bead, a smooth curved shape with polished finished to protect tires and rims, and an ergonomic dual density screw driver style handle providing comfort and security.



Pulling inspiration for across our tool lineup, you will find this to be the best shop quality bottle opener available. After all, sometimes you need a little inspiration to fix that derailleur that just won't shift right no matter what you try! A must for every tool box or gear bag. Compatible with both domestic and imported beers and the more you use it, the better it works...or at least it seems that way!

13. Pro T/L Wrench Sets

Features heat-treated S2 tool steel to ensure the ultimate in strength and long-lasting performance, extra length on each leg of the wrenches offering better leverage and easy access to hard-to-reach bolts, and ergonomic, soft plastic, TPR handles that fit in your hand like a glove providing the ultimate in grip and comfort. Kit includes: Pro T/L Hex Set - Each end of the se wrenches is purpose-built with a versatile round-style end on the long leg and on the short leg , Pedro's proprietary anti-slip grooves ensuring secure and safe usage on even the toughest bolts. The set includes 2, 2.5, 3, 4, 5, 6, 8, & 10mm hex and T25 torx, in convenient custom Pedro's pouch. Pro T/L Torx Set - The set includes T7, T10, T15, T20, T25, T30, and T40 sizes.

14. Professional Socket Tools*

Pedro's socket tools provide the professional quality, precision fit tools required to properly install, remove, and adjust modern components. Kit includes: Cassette Lockring Socket (with and without pin) - Fits all Shimano®, Sram®, SunRace®, SunTour®, Chris King®, and other HG standard cassette lockrings and Shimano® disc brake lockrings. Campy BB & Cassette Socket - Fits all Campagnolo® cassette lockrings and Record, Chorus, Centaur, and Athena bottom brackets. Freewheel Socket - Fits all four-notch BMX/single-speed freewheels for hubs with 1.37 x 24 TPI threads. Splined BB Socket - fits all Shimano® and ISIS Drive® splined 20-tooth bottom bracket cups.

















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15. Pro Socket Handle 2.0

Adjustable wrenches just don't cut it sometimes and especially not when you are dealing with a stubborn bottom bracket cup. The Pedro's Pro Socket Handle 2.0 is designed to work with Pedro's 24mm snap-channel bottom bracket, freewheel, and cassette sockets. In addition the Pro Socket 2.0 now accepts all 25.4mm (1 inch) socket tools as well.

16. BB Socket Holder

If you have even battled with an over-tightened Shimano® and ISIS Drive® splined bottom bracket cup, you know why Pedro's created the BB Socket Holder. Though these types of bottom brackets proved themselves as the standard for many years and continue to be found on many bikes, the tendency for these shallow splines to slip during removal or installation has resulted in more than a few expletives, high frustration levels, and worst of all, injuries. The Pedro's BB Socket Holder provides a simple, shop quality tool that solves this problem.

17. Bottom Bracket Wrenches*

Pedro's bottom bracket flat wrenches are made from 4mm thick, precision laser cut, heat-treated tool steel for the ultimate in strength and lasting performance. Each wrench features an ergonomic single-ended design with cushioned grip to provide maximum leverage & comfort. Visit pedros.com for more details about compatibility. Kit includes: Bottom Bracket Wrench - 16X44 - For 16-Notch X 44mm External Bearing BB Cups, Bottom Bracket Wrench - 16X41 - For 16-Notch X 41mm External Bearing BB Cups, Bottom <u>Bracket</u> Wrench - 16X39 - For 16-Notch X 39mm External Bearing BB Cups, Bottom Bracket Wrench - Campagnolo® 6-Notch - For 6-Notch Campagnolo® BB Cups, Bottom Bracket Wrench Shimano® 6-Notch - For 6-Notch Shimano® BB Lockrings, Bottom Bracket Wrench - Shimano® 8 -Notch - For 8-Notch Shimano® and ISIS Drive® BB Cups .

18. Hex Drivers*

Features include an ergonomic dual-density screw driver handle for comfort and control, an extra long hex key for exceptional leverage, a second ball end for quick and easy installation or removal, and heat-treated S2 tool steel construction for the ultimate in strength and long-lasting performance. Kits includes 6 and 8mm and 10mm sizes.

19. Ouick Link Pliers

Make fast work of pesky or stubborn chain master links. The laser cut, heat-treated jaws feature a dual-function design allowing both installation and removal of master links. Cushioned grips provide comfort and control.

20. Screw Driver Set*

These professional grade screwdrivers are designed for ease of use, comfort, and long-lasting durability. This five piece set provides the sizes required to work on all bicycles. Includes #1 and #2 Phillips plus 4, 5.5, and 6.5mm flat-blade screwdrivers and storage pouch. This kit also includes extras of #2 Phillips and 5.5mm Flatblade.

21. Trixie

Designed as the ultimate multi-tool for the fixed-gear rider, the Trixie is a great shop tool as well. The Trixie is laser cut from 5mm thick heat-treated tool steel for the ultimate in strength and lasting performance. The tool's 187mm (7.4in) length and ergonomic shape provide outstanding leverage and comfort. As included in this kit, features include 8, 9, 10, and 15mm box end wrenches, cog lockring wrench, and bottle opener.













22. Ratcheting Combo Wrench Set

The Pedro's Ratcheting Combo Wrench Set features beautiful, compact, and durable spanner wrenches. The forged and polished wrenches feature a convenient combination of six point ratchet box-end and offset open-end. Includes: 8, 9, 10, 11, 12, 13, 14, and 15mm sizes in storage pouch.

23. Disc Wrench

Driven by a request from mechanics in the pits every day, and sure to become a favorite, the Disc Wrench features 7mm and 8mm flare style box wrenches needed for the delicate hose fittings found on hydraulic disc brakes. The compact wrench also features a disc rotor truing slot and is made from precision laser cut tool steel.

24. Demi Torque Wrench

This click-type torque wrench makes an audible "click" when desired torque is reached and is quickly set using a micrometer-style dial and simple locking mechanism. Features a quarter-inch reversible ratcheting drive, heat-treated steel construction for accuracy, strength, and reliability, and is accurate to within +/- 4 percent. Designed to handle the low to middle end of the torque range, adjustable from 3-15Nm, This smaller size torque wrench is perfect for working in tight spaces and fits nicely in the hand.



Pedro's Bit Set is designed to work with our Demi and Pro Torque Wrenches offering the most common sizes required. Made from heat-treated steel for strength and long-lasting performance, this set includes a I/4" drive adapter, 2, 2.5, 3, 4, 5, 6, and 8mm hex bits, and T25 torx bit.

26. Y Wrenches*

Feature heat-treated tool steel construction and durable plastic body for strength and lasting performance. The ergonomic shape provides excellent leverage and easy handling. Kit includes Y Wrench - T10, T25, T30 Torx, Y Wrench - 4, 5, 6 hex, Y Wrench - 2, 2.5, 3 hex, and Y Wrench - 4, 5, 6 ball-end style hex.

27. Headset Wrenches

Pedro's headset flat wrenches are made from 3.2mm thick, precision laser cut, heat-treated tool steel for the ultimate in strength and long-lasting performance. Pedro's designed each flat wrench to fit perfectly protecting the component and ensuring simple and safe usage for the mechanic. Each ergonomically designed flat wrench also features a single-ended design with cushioned grip to provide maximum leverage & comfort. Kit includes 32mm, 36mm, and 40mm sizes (2/each).















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Apprentice Bench Tool Kit Content Guide

(Also sold as Box B of 6450676-Master Bench Tool Kit)

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I. Pro Spoke Wrenches

The new Pro Spoke Wrench takes ergonomics and versatility to the next level. The dual-sided design, with both 3-side and 4-side openings, features a reversible handle. When using either wrench opening, the sculpted plastic handle fits perfectly in your fingers and positions them for ideal leverage and control. The wrench is investment cast, heat-treated steel ready for years of service and the precision-cut openings are perfectly sized for fit and speed. Includes 3.23, 3.30, and 3.45 size wrenches.

2. Professional Socket Tools

Pedro's socket tools provide the professional quality, precision fit tools required to properly install, remove, and adjust modern components. Kit includes: Cassette Lockring Socket - Fits all Shimano®, Sram®, SunRace®, SunTour®, Chris King®, and other HG standard cassette lockrings and Shimano® disc brake lockrings. Campagn BB & Cassette Socket - Fits all Campagnolo® cassette lockrings and Record, Chorus, Centaur, and Athena bottom brackets. Freewheel Socket - Fits all four-notch BMX/single-speed freewheels for hubs with 1.37 x 24 TPI threads. Splined BB Socket - fits all Shimano® and ISIS Drive® splined 20-tooth bottom bracket cups.

3. Equalizer Pedal Wrench

Features an extra long, 350mm length, tubular handle with dice grip for control and comfort, heat-treated chrome-moly steel construction for the ultimate strength and lasting performance, and a precision cut 15mm wrench opening positioned at a 30 degree offset to improve mechanical advantage and positioning. Also features a 24mm Socket for use with Socket Tools.

4. Chain Checker Plus

The Pedro's Chain Checker Plus makes chain wear measurement quick and easy offering a simple worn/not worn indication. To ensure maximum life from your chain and accuracy of measurement, Pedro's implemented a three-point design which properly isolates pin wear from roller wear. Other two-point designs do not and can incorrectly indicate a worn chain, robbing the user of additional miles and money. Not content to offer only chain wear functionality, we included a chain hook tool and a chainring nut wrench.

5. Magnetic Parts Tray

Often times you spend more time trying to locate the part than the job itself! This six-inch diameter bowl features an extra powerful magnet and bright yellow color keeping small parts safe and easy to access.

6. Cone Wrenches

Made from precision laser cut, heat-treated tool steel for the ultimate in strength and lasting performance. Pedro's designed each cone wrench to fit perfectly protecting the hub and ensuring simple and safe usage for the mechanic. Each ergonomically designed flat wrench features a single-ended design with cushioned grip to provide maximum leverage & comfort. Kit includes 13-16mm (2ea) and 17-19mm sizes.

7. L Hex Wrench Set

We made these wrenches from heat-treated SNCM-V alloy steel to ensure superior strength and lasting performance. Pedro's hex wrenches also feature extra length and a round-style end for better leverage and easy access and handling of hard-to-reach bolts. The set includes all the sizes you need, in convenient holder.

8. L Torx Wrench Set

We made these wrenches from heat-treated SNCM-V alloy steel to ensure superior strength and long-lasting performance. Pedro's torx wrenches also feature extra length for better leverage and easy access and handling of hard-to-reach bolts. The set includes all the sizes you need, in convenient holder.

9. Y Wrenches

Feature heat-treated tool steel construction and durable plastic body for strength and lasting performance. The ergonomic shape provides excellent leverage and easy handling. Kit includes Y Wrench T10, T25, T30 Torx, Y Wrench 4, 5, 6 hex, and Y Wrench 2, 2.5, 3 hex.

10. Tire Levers

Award winning, universally loved tire levers feature molded box construction and a proprietary plastic composite blend that makes them the strongest levers available. The unique chisel tip shape easily inserts beneath the tire bead and the slightly thicker shape keeps the lever securely in place. Additionally, the bold shape of the lever and helpful dual spoke hooks makes removal of even the tightest tires a simple task.



II. Adjustable Wrench

Features include an innovative jaw design which prevents damage to fasteners and opens to 33mm, an ergonomic, soft-plastic, TPR handle offering comfort, leverage, and easy handling, laser engraved sizing scale and proper usage direction arrows for simple operation, an optimized forged chrome vanadium body providing strength and lighter weight, and 10" (250mm) length for the perfect blend of leverage and portability.

12. Star Nut Setter

Pedro's Star Nut Setter was designed to make star nut installation quick and easy. Compatible with I" and I I/8" steerer tubes, the Pedro's Star Nut Setter features a guide that surrounds the steerer providing perfect alignment and perfect depth every time. The compact size is perfect for the tool box and the tool steel construction ensures long-lasting performance.

13. Universal Crank Remover

Pedro's Universal Crank Remover provides the tools required to properly remove press fit square taper and splined cranks and unlike similar items offered by the competition, we include everything you need in one convenient package The Universal Crank Remover fits all cranks using 22mm x I threads and square, tapered bottom bracket spindles and splined Shimano® Octalink and ISIS Drive® bottom bracket spindles that do not use a "self extracting" system.

14. Tape Measure

The Pedro's Tape Measure is perfect to tackle any bike measure task featuring a compact design and small details that make a difference. Our instant locking design is the opposite of most tape measures on the market and is truely handy when trying to juggle a bike, tools, and make a measurement at the same time.

15. Vise Whip

Simply a better solution for holding your cassette during removal. This innovative tool was developed by Pedro's in close collaboration with legendary frame builder and cycling technical author Lennard Zinn. The Vise Whip is beautifully simple to use, adjusts to fit I1-23 tooth gears on all multi-gear cassettes including 11-speed, and locks in place during use.

16. Cable Puller

Pedro's Cable Puller, commonly known as the "Fourth Hand Tool," provides the perfect tool for tensioning brake or derailleur cables while making adjustments. Featuring one hand operation, an ergonomic cushioned handles, and a thumb lock, this tool simultaneously grips and tensions the cable while keeping your other hand free to secure the cable in place. Made from Heat-treated laser cut steel.

17. Bottom Bracket Wrench

Pedro's bottom bracket wrench is made from precision laser cut, heat-treated tool steel for the ultimate in strength and lasting performance. The precise fit protects the component and ensures simple and safe usage for the mechanic. Features a single-ended design with cushioned grip to provide maximum leverage & comfort. Fits 16-notch external bearing bottom bracket cups, with outside diameter of approximately 44mm, including Shimano® Hollowtech II, Campagnolo® Ultra-Torque and Power Torque, Race Face®, FSA®, SRAM®, Truvativ®, Chris King®, and Phil Wood® outboard bearing, and disc brake rotor lockrings with 16 external notches.

18. Hex Drivers

Features include an ergonomic dual-density screw driver handle for comfort and control, an extra long hex key for exceptional leverage, a second ball end for quick and easy installation or removal, and heat-treated S2 tool steel construction for the ultimate in strength and long-lasting performance. Kits includes 6 and 8mm sizes.

19. Pro Chain Tool

Features include our patented retracting pin guide (RPG) for superior functionality and reliability, peening bit and backer for installation of Campagnolo® II speed chains, and integrated guide pin sheet slot to quickly remove guide sections from installation pins. Fits single speed through II speed chains.

20. Screw Driver Set

These professional grade screwdrivers are designed for ease of use, comfort, and lasting durability. Includes #2 Philips and 5.5mm Flatblade.

21. Cable Cutter

The Pedro's Cable Cutter is an industry favorite and when put to the test against the competition and you will quickly see why. Our cable is designed for years of service, for comfortable and easy usage, and with extra jaw overlap ensuring a clean cut every time.



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