

# Apprentice Bench Tool Kit Content Guide

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

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. 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. 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.

#### 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  $22\text{mm} \times 1$  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® 11 speed chains, and integrated guide pin sheet slot to quickly remove guide sections from installation pins. Fits single speed through 11 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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