

AIR DUEL PORTABLE PUMP SYSTEM USER GUIDE



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THANK YOU FOR PURCHASING A CANNONDALE

Congratulations on your purchase of a Cannondale Air Duel portable pump system. At Cannondale, we strive to produce products and accessories that contribute to your enjoyment of cycling.

While Cannondale has grown over the years, we remain a small company at heart. Our passion for performance, innovation, quality and service continue to drive our efforts. We thank you for sharing that passion, and for choosing Cannondale. We'll see you out there.

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Proper setup and operation will greatly enhance this product's usefulness and your enjoyment. Please read all sections of this manual carefully and become fully familiar with its operation before using it in the field.

YOUR CANNONDALE RETAILER

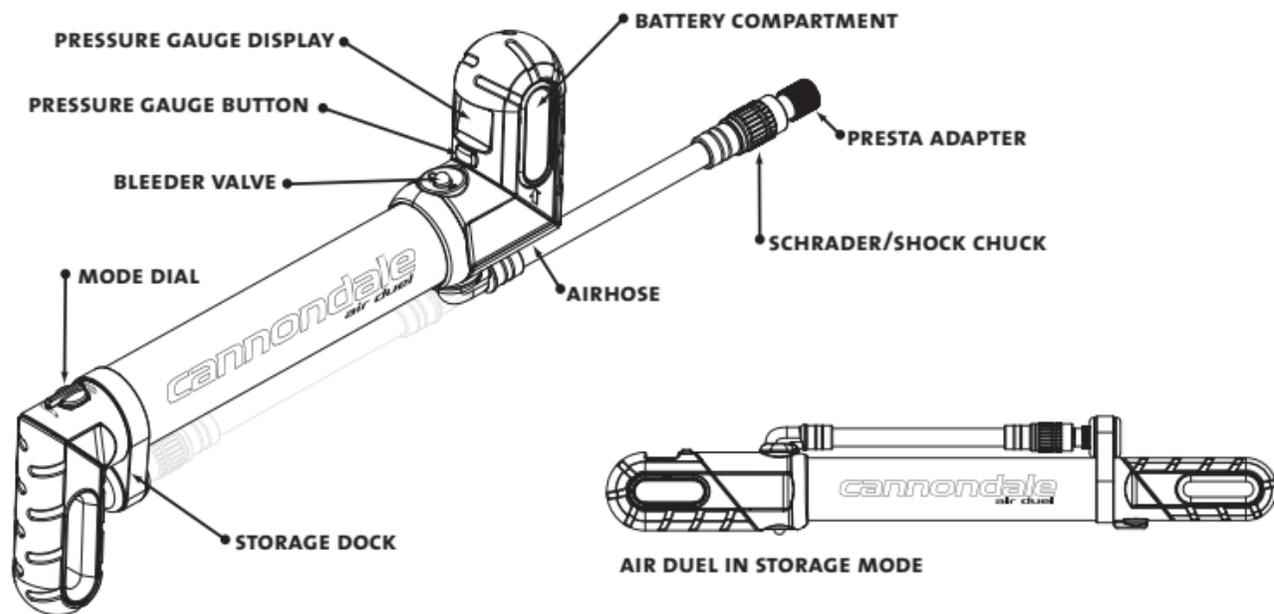
Along with this manual, your key source of information and assistance is the shop where you purchased your accessories. Your local Authorized Cannondale Retailer is your primary contact to discuss service and adjustment to this product, instruction in its use, and any warranty questions. To find the Cannondale retailer closest to you, call **1-800-BIKE-USA**. Or you can use our dealer locator at our website **www.cannondale.com**.

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COMPONENTS OF THE AIR DUEL



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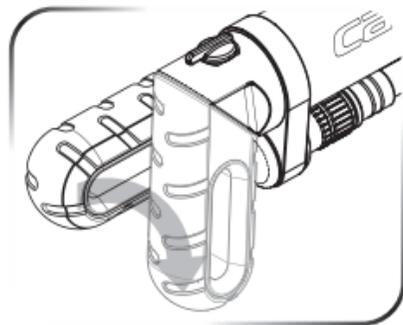
AIR DUEL SETUP FOR USE

HANDLE SET UP

The handles of the Air Duel rotate into a pistol-grip position for increased stability and leverage. To adjust handles from storage position to operating position:

1. Rotate handles 180° clockwise with the handle facing toward you.

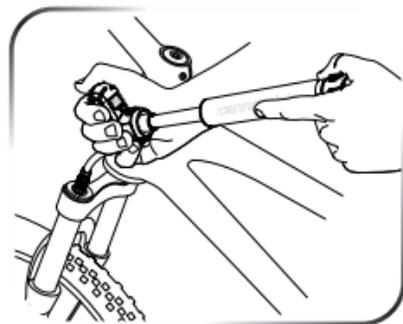
NOTE: *Handles rotate in one direction only. If you sense resistance, do not force. Rotate in opposite direction.*



EXTENDING THE PUMP CYLINDER

1. Rotate pistol grip handles.
2. Remove air chuck from storage dock.
3. Rotate air hose away from pump cylinder.
4. Place pistol grips in palms of hands. Maintain constant position of air hose when extending and compressing pump.

⚠ WARNING: *Do not apply tension to the air hose when extending or compressing pump.*



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INFLATION MODE

SELECTING INFLATION MODE: TIRE/SHOCK

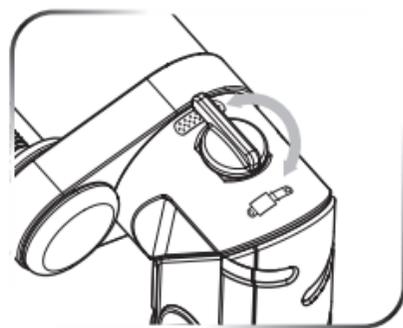
The Air Duel uses a 2-stage pump system. In TIRE mode, both air chambers are engaged for optimum volume. SHOCK mode engages a single chamber to accommodate the higher pressure rates of suspension systems.

TO SELECT INFLATION MODE:

1. Rotate switch to desired mode icon. (🌀 TIRE mode / 📌 SHOCK mode.)

NOTE: When filling tires to higher pressures (such as tubulars or road tires) inflate tire as much as possible in TIRE mode. Once pump resistance becomes difficult to maintain, switch to SHOCK mode and continue inflating to desired pressure.

NOTE: The Air Duel is capable of reaching a max pressure of 250PSI (1724kPa, 17.6kg/cm², 17.2BAR).



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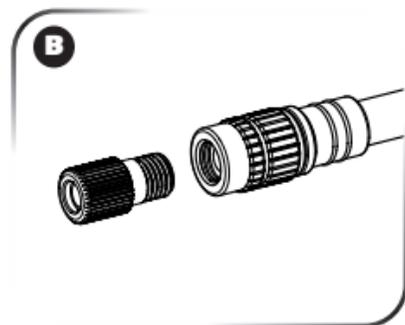
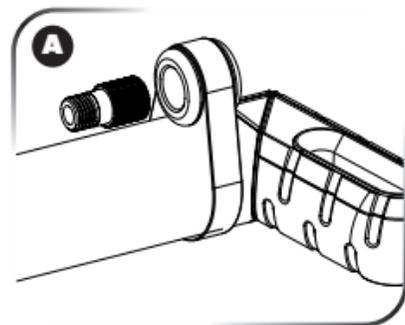


ATTACHING THE PRESTA ADAPTER

To inflate tires equipped with Presta valves:

1. Remove PRESTA ADAPTER from storage dock (A).
2. Carefully thread PRESTA ADAPTER onto the tire valve stem.
3. Carefully thread the AIR CHUCK onto to the adaptor that is already on the valve stem (B).

NOTE: PRESTA ADAPTER must be secured to AIR CHUCK prior to storage.



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PRESSURE GAUGE

The Air Duel is equipped with a digital pressure gauge that displays in fractional unit increments located on the inside panel of the pistol grip.

TO ACTIVATE PRESSURE GAUGE:

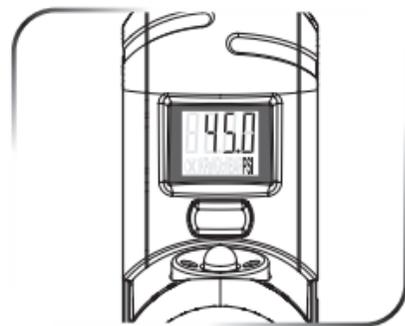
1. PRESS & HOLD Gauge Key until **'on'** appears in display. Release button – Gauge is now activated (A).
2. PRESS & RELEASE Gauge Key to cycle through display units: **kPa, kg/cm2, BAR, PSI** (B).

NOTE: Gauge will default to this selection until changed.

3. **To deactivate gauge:** PRESS & HOLD Gauge Key until **'OFF'** appears in display. Release Gauge Key immediately (C).

NOTE: Gauge will automatically turn off in 60 sec. if no pressure change is recorded. It is recommended to activate gauge after air chuck is threaded on valve and ready for inflation.

NOTE: When Low Battery icon appears in lower left of display (D), replace battery immediately (see Section 8 "Replacing the Battery").



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OPERATING THE AIR DUEL

INFLATING TIRE OR SHOCK WITH THE AIR DUEL:

1. It is recommended to rotate handles to pistol grip position for added stability.
2. Select desired inflation mode (TIRE/SHOCK).

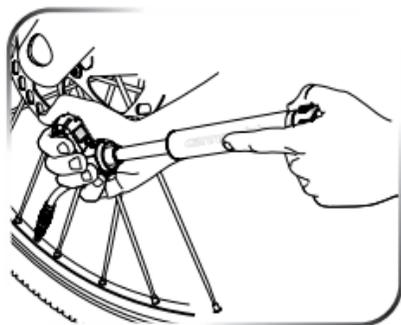
NOTE: *Affix Presta Adapter if necessary.*

3. Thread air chuck to valve for inflation.
4. PRESS & HOLD Gauge Key until 'on' appears in display. Release button – Gauge is now activated.
5. Place pistol grips in palms of hands. Inflate to desired pressure.

▲WARNING: *Incorrect inflation pressure could lead to tire failure or poor tire performance, with risk of serious injury or death. To minimize risk you must follow the tire manufacturers recommended inflation pressure.*

▲WARNING: *Incorrect inflation pressure could lead to shock failure or poor suspension performance, with risk of serious injury or death. To minimize risk you must follow the shock manufacturers recommended inflation pressure.*

NOTE: *In case of over-inflation, see following section "Operating Bleeder Valve".*



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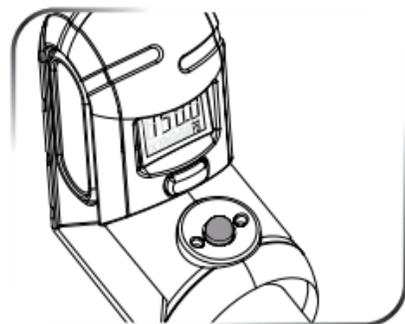


BLEEDER VALVE

The Air Duel is equipped with a Bleeder Valve to accurately release pressure in the event of over-inflation. The bleeder valve is located on the pump cylinder below the pressure gauge.

OPERATING THE BLEEDER VALVE:

1. Holding air hose stationary, PRESS & QUICKLY RELEASE the bleeder valve with thumb.
2. Continue PRESSING & RELEASING bleeder valve until gauge displays desired pressure.



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MOUNTING THE FRAME BRACKET

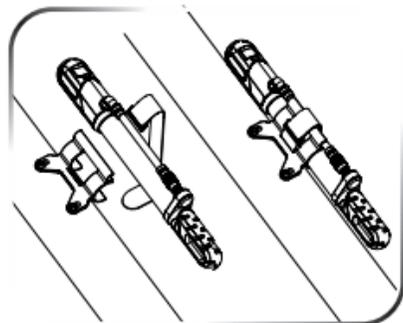
The Air Duel can be stored on the bike with a Frame Bracket which attaches in the water bottle cage mounts. (Down tube mounting usually works best.)

TO MOUNT FRAME BRACKET TO BIKE:

1. Remove water bottle cage from frame.
2. Place bracket between frame and bottle cage.
3. Re-install cage by inserting screws through cage, bracket and into frame threads.
4. Insert pump into bracket and secure with hook-and-loop strap.

▲WARNING: Before riding check to be sure that no part of your pedals, shoes or crankset contacts or comes close to contacting the pump. Such contact or dislodging of the pump might lead to an accident, with risk of serious injury or death. To minimize this risk check installation and clearance with your retailer.

▲WARNING: Do not ride without the hook and loop strap attached around the pump. Pump may become dislodged and lead to an accident, with risk of serious injury or death. To minimize this risk always ride with the hook and loop strap fastened around the pump.



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REPLACING THE BATTERY

The Air Duel uses a common CR2032 3v Lithium battery. Normal battery life is approximately 1 year.

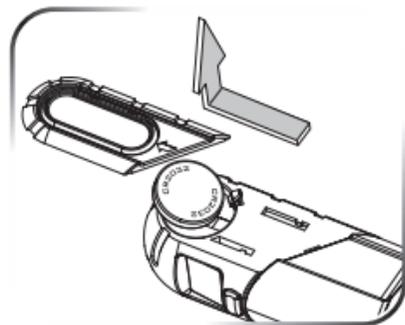
NOTE: Heavy use of Pressure Gauge may significantly reduce battery life.

NOTE: A blank display or unreadable displays are indications of a weak battery that should be replaced.

TO REPLACE THE BATTERY:

1. Remove battery cover located on right side of pressure gauge by sliding toward handle end with thumb.
2. Carefully remove the old battery.
3. Place a fresh battery in the battery compartment with positive (+) side facing up.
4. Replace battery cover.

NOTE: Extreme care should be taken when replacing battery cover to ensure unit remains fully water resistant.



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WARRANTY: 1 Year from date of retail purchase against manufacturing defects , materials, or workmanship.

GARANTIE: 1 Jahr ab Kaufdatum bei Herstellungs-, Material- oder Verarbeitungsfehlern.

GARANTÍA: 1 año a partir de la fecha de compra original contra defectos de fabricación, material o mano de obra.

GARANZIA: 1 anni dalla data di acquisto. Contro difetti di fabbricazione, materiali o lavorazione .

GARANTIE: Contre les défauts de fabrication, de matériaux et/ou de main d'œuvre pour une période d'un an à partir de la date d'acquisition par l'acheteur d'origine.

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