

## LEFTY HYBRID, LEFTY 2.0, SUPERMAX SOLO AIR Wave Spring Replacement - 50Hrs

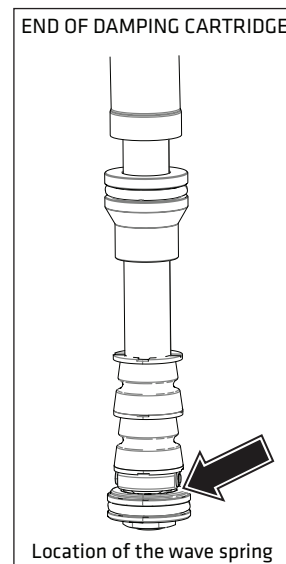
**SUBJECT:** We have changed the replacement interval of the SOLO AIR wave spring from every 100 hours to every 50 hours of riding. Replacing the wave spring every 50 hours will maintain optimum performance of the SOLO AIR assembly. The LEFTY Maintenance schedule has been updated to reflect this change.

- AFFECTED:**
- (1) All 2014 and 2015 models of LEFTY HYBRID, LEFTY 2.0, and SUPERMAX forks have the SOLO AIR assembly with the wave spring.
  - (2) Earlier model LEFTYs are affected only if the SOLO AIR assembly had been updated to the wave spring type spring system.
  - (3) SOLO AIR assembly service kits. See page 2.

**PURPOSE:** A failed SOLO AIR wave spring may not open and close the valve exchanging air between the negative and positive air chambers as designed. If this happens, travel, ride height and/or spring rate can be affected resulting in an unusual or inconsistent spring feel.

Wave spring replacement should be done together with the overall damping cartridge inspection. This type of service can be performed at the shop level. The wave spring is included in the damper service kit which also includes the O-ring seals and other parts necessary to perform the service.

**If you have any questions about this Service Bulletin, please call Cannondale Technical Service at 1-800-BIKEUSA**



### LEFTY MAINTENANCE SCHEDULE

SERVICE ITEM	USE		PERFORMED BY
	NORMAL	RACING	
<b>Damage Inspection</b> See the <b>SAFETY INFORMATION</b> section of the LEFTY Owner's Manual Supplement.	Before every ride	Before every ride	Owner
<b>Parts to be Tightened</b> See Tightening Torques in the <b>MAINTENANCE</b> section of the section of the LEFTY Owner's Manual Supplement.	First Ride / Every 4-5 rides	Before every ride	Owner
See <b>Manual Reset</b> in the <b>MAINTENANCE</b> section of the section of the LEFTY Owner's Manual Supplement.	50 Hours	25 Hours	Owner
Damper Service: (Air spring/Damping Cartridge Inspection, Wave spring replacement) See <a href="http://www.csgxchange.com/">www.csgxchange.com/</a> .	50 Hours	50 Hours	Authorized Cannondale Dealer
Telescope Lubrication: See <a href="http://www.csgxchange.com/">www.csgxchange.com/</a> .	100 Hours	50 Hours	Authorized Cannondale Dealer
Full Service: (Telescope Rebuild + Damper service) See <a href="http://www.csgxchange.com/">www.csgxchange.com/</a> .	200 Hours	100 Hours	Service Center

#### **SCHEDULE PROFESSIONAL FORK SERVICE ANNUALLY (Minimum)**

Annually, or when problems are indicated you must have your fork serviced through a Authorized Cannondale Dealer or a Headshok Service Center. Disassembly and inspection by a suspension professional is required to evaluate the internal and external parts, identify wear or damage. Damaged parts must be replaced with new ones and the work must also include any work described in any technical bulletins or product recalls.

## LEFTY HYBRID, LEFTY 2.0, SUPERMAX SOLO AIR Wave Spring Replacement - 50Hrs

### Wave Spring Replacement Procedure

#### Wave Spring Kit (qty. 10 springs)

<b>KH173/</b>	LEFTY HYBRID, LEFTY 2.0, SUPERMAX
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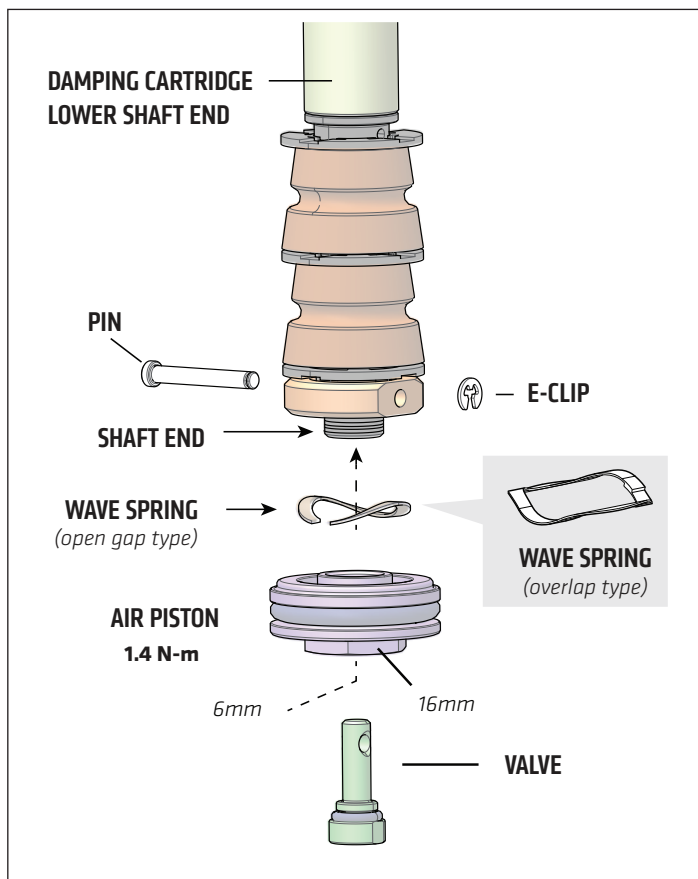
With the damping cartridge removed:

1. Remove the E-clip, pin, and valve.
2. Insert a 6mm hex key through the air piston into the shaft end to hold it. Position a 16mm wrench on the air piston wrench flats to turn the air piston counter-clockwise to remove it. **Clean away any Loctite residue or debris from the shaft threads, valve, and valve sealing area in the piston.**
3. Remove the old wave spring (overlap wave or wave with gap) and install the overlap type.
4. Apply a small drop of **Loctite 262 (red)** onto the shaft end threads and finger tighten the air piston onto the shaft.
5. Insert a 6mm hex key through the air piston into the shaft end to hold the shaft.
6. Tighten the air piston to **1.4 N-m** by using a 16mm wrench on the flats.

#### NOTICE

**Do not over-tighten the air piston!**

7. Insert the valve and replace the pin and secure it with the E-clip.



#### WARNING

Information intended for use only by professional mechanics at Authorized Cannondale Dealers. Special tools and skills are needed. Bike Owners must not perform the work described. Serious injury or damage can result.

### Affected Service Kits

If you have any of the following service kits in your inventory, please visually inspect the installed wave spring. Make sure the spring is the overlap type. If the kit contains an open gap type wave spring, remove it and replace it with an overlap type wave spring from kit KH173/.

<b>KH139/</b>	KIT AIR PISTON PBR 140 27.5
<b>KH115/</b>	KIT AIR PISTON PBR 130 29"
<b>KH134/</b>	KIT AIR PISTONSOLO AIR HYB36 2.0
<b>KH133/</b>	KIT AIR PISTON HYB36 2.0 160MM
<b>KH146/</b>	KIT SOLO AIR PISTON
<b>KH091/</b>	KIT AIR PISTON PBR/XLR100 29'R
<b>KH088/X</b>	KIT AIR PISTON SOLO AIR <b>(PISTON ONLY)</b>
<b>KH116/X</b>	KIT AIR PISTON SOLO AIR 36 <b>(PISTON ONLY)</b>

<b>KH125/A</b>	LEFTY HYBRID, LEFTY 2.0
<b>KH126/A</b>	SUPERMAX