



## RC31and RC39 models. Fitting and operation Guide

Congratulations on purchasing the highest quality performance fork available! This Manual contains very important information concerning the safe operation, tuning and maintenance of your fork and it is essential that it is read and followed. **To activate the warranty on this fork the enclosed Warranty Registration Card must be completed and returned.**

### INSTALLATION

We recommend that your fork is fitted by a qualified cycle mechanic. Incorrect fitting can result in injury or death. Remove the old fork and fit crown race onto new steerer. Assemble fork into headset and fit stem, marking a line on the steerer at top of stem. Remove fork and cut steerer tube 3mm below marked line. Reinstall stem securing and adjusting according to stem and headset manufacturers instructions.

**V-Brakes.** For RC39 use Pace Hollowform Implant type V-brake mounts (Pt No SFAUP-2311) and **tighten to correct torque; M8 Screws 50in lbs/6Nm.** For RC31 use Pt No RF31-101 and tighten to correct torque; **M5 screws; 22inlbs/ 2.5Nm.** Do not over tighten or carbon fibre assembly could be damaged. **Disc-Brakes.** Use mounting points on dropout carefully following brake manufacturers instructions. **Maximum recommended disc diameter is 165mm, however a 185mm dia disc is compatible.**

Adjust front wheel quick release lever following the manufacturers instructions and always check lever is kept tight. A loose quick release can result in loss of control, injury or death. **Maximum recommended tyre width is 2.1" and radius 335mm.** Do not exceed this radius otherwise tyre may lock against crown when fork is fully compressed. Do not try to remove fork steerer/stanchion tubes (or carbon fibre legs on RC31) as these are permanently fixed to crown. This could result in loss of control, injury or death.

### LOCK-OUT SYSTEM

**Installation.** RC39 model may be ordered complete with remote handlebar mounted lock-out system (lock-out system not available separately). To mount lever remove grip and brake/gear controls from right hand side of handlebar. Slide lever clamp onto handlebar then refit all controls and grip following manufacturers instructions for tightening and adjusting. Position lock-out lever so it can be operated easily by thumb then tighten M4 clamping screw to a torque figure of 13inlbs/1.5Nm.

**Operation/Adjustment.** Pressing lever forward will lock-out fork making fork rigid, however fork will still gradually compress under load so as to aid climbing. This system also has a blowoff bypass and damper will make a high pitched whistle noise (if fork takes an impact whilst locked-out) as oil is routed through the bypass. This is quite normal.

If lever automatically flicks back when pushed forward in lock-out mode, then use a 2.5mm key to tighten small grub screw in lever body very slightly. Screw can be found alongside cable adjuster. Do not overtighten otherwise lever can be damaged. Adjust knurled cable adjuster at lever to remove most of slack from cable (otherwise lock-out will not operate) however a small amount of outer cable freeplay works best.

Use lock-out system when climbing or on smooth surfaces. Do not use system when descending or when riding over rough terrain, rocks or other obstacles.

### TUNING

Your Pace suspension fork should be set for your weight, terrain and riding style. Note that a new Pace suspension fork will require 10-20 hours use before bedded in.

## Adjusting Fork Sag

So that the fork can follow changes in the terrain you must set fork with correct amount of sag **RC39= 20-30mm sag**. To check push travel indicator down to blue fork seal then sit on bike. Climb off bike and measure between seal and indicator. This is your sag measurement.

**To adjust sag on RC39** model you will need a schrader type pump and gauge. Reduce sag by adding air to compression chamber top right of fork. Increase pressure 10psi (0,75bar) at a time. Use a gauge to check and always remember each time a pump/gauge is attached some pressure will be lost. Reverse process to increase sag.

### **RC39 Factory recommended pressures;**

Rider Weight 75kg= 90psi(6.3bar). 55kg= 75psi(5.3bar). 90kg= 105psi(7.3bar)

## Adjusting the Spring Rate

Higher spring rates make your fork feel harder and stiff whereas softer spring rates make your fork feel more responsive and supple. RC39 models will need air pressure adjusting to tune spring rate.

Increasing pressure in air-chamber will increase the spring rate (and visa versa). Increasing pressure will improve resistance to bottoming out and produce a more progressive fork action. Decreasing pressure will increase sag and make fork more sensitive.

## Adjusting fork damping

**Rebound.** Rebound damping control is made with blue circular control knob located top left of fork. Rotate clockwise to increase rebound damping which will slow the speed at which fork returns (extends after an impact).

### **Factory recommended rebound settings;**

**RC39-** wind clockwise to stop then two full rotations anti-clockwise.

**Compression.** RC39 non-lockout model also features external compression damping control, made with the small slotted screw in centre of rebound control knob top left of fork (not available on lock-out equipped models). Rotate anti-clockwise to increase compression damping which will make the fork harder, slowing speed at which fork compresses. **Factory recommended RC39 compression setting;** screw in clockwise to stop then 1.5/2 full rotations out. Compression damping is factory set on lock-out models. Make only small adjustments to fine tune damping effect. Too little rebound and fork will top out hard, too much and fork cannot return fast enough to be ready for next impact. Too much compression and fork cannot compress fast enough to absorb impact, too little and fork may dive through travel too readily.

## MAINTENANCE

### **Service intervals**

To maintain damping, lock-out performance and quality fork action your RC39 should be regularly serviced.

**Before every ride. !Warning!** Riding a bike which has not been maintained and inspected before every ride is dangerous. Do not ride without first checking fork action is operating correctly and that securing screws and any mounting screws are in place and tight.

**After every ride.** Clean and check fork. Do not direct powerful waterjets directly at fork seals. **Note;** a small amount of lubricating oil may bypass wiper seals and appear on upper stanchion tubes. This is quite normal.

**After every 10 hours riding.** Check and if necessary adjust air pressures and lubricate lock-out cable (if fitted) with a few drops of light oil.

### **After every 50 hours of riding (Winter) or every 75 hours riding (Summer).**

Remove wheel, disconnecting brakes and computer etc from carbon fibre slider assembly, then unwind M6 socket head cap screws found beneath dropouts with M5 key. Using a soft faced hammer firmly tap head of each screw to free tapered internal rods from dropouts. Remove M6 screws completely then draw off slider assembly. Use a container to catch lubricating oil from inside slider and dispose according to local law. Carefully clean outside of upper stanchion tubes and air-spring/ damper rods. Carefully wipe inside faces of wiper seals taking care not to disturb foam lubricating ring beneath. Check lips of seals are not cracked or damaged. Take care not to disturb bearings.

Apply fresh lubricating oil to foam rings and a little silicone grease between lips of seals.

Pull damper rod out to full extension then slide carbon slider back onto upper tubes carefully inserting upper tubes through seals and bearings. Before slider is pushed fully down onto upper stanchion tubes inject 5cc of Pace lubricating oil through holes in base of each dropout then carefully push slider fully home so both tapered internal rods engage into dropouts. Clean any oil from inside threads of tapered rod ends before screwing in M6 dropout screws and tightening to 5Nm (44inlbs).

Fit brake and front wheel following manufacturers fitting instructions (make sure quick release is tight). Check all parts and fittings are in place and correctly adjusted before checking fork action is OK then carefully test riding bike.

**Maximum period between a Full Service is 1 year** when fork should be returned to your dealer or Pace Cycles Limited for professional servicing of damper and fork- full details in 'Technical' [www.pacecycles.com](http://www.pacecycles.com). Absolutely do not transport bike in type of cycle carrier where front wheel is removed otherwise fork dropouts may be damaged and fork warranty voided. If bike has been crashed carefully check for damage. In all cases if in doubt return fork to dealer or Pace Cycles Ltd for inspection.

## WARRANTY

**Warranty is Void on this product unless Warranty Registration Card enclosed is completed, signed and returned to Pace Cycles Limited by Registered Mail within ten (10)days of purchase.** This is an express precondition to the activation of this warranty.

Pace Cycles Limited warrants any component part of this fork for a period of one year from date of purchase to be free from defects in workmanship or materials, and reserves the right to either replace or repair defective parts. Pace Cycles Limited shall not be held liable for any incidental, consequential, indirect or special damages associated with the use of this fork.

In the event of a defect the purchaser or their supplying dealer should contact Pace Cycles Ltd in the UK for a Warranty Returns Number **before** returning product. This warranty only applies to original owner. Product should be returned in a clean condition carriage prepaid and original proof of purchase invoice must be included.

This warranty does not apply to products which have not been correctly installed, tuned and serviced according to this manual or that have been misused, altered, crashed, neglected or used for activities not recommended such as trials, jumping, stunt riding or downhill racing.

Oils, seals and lever grips may have a service life less than one year and are not covered by this warranty. Scratches or marks which cause damage or corrosion to magnesium dropouts, carbon fibre slider assembly or upper fork tubes will not be covered by this warranty. This Warranty is the sole and exclusive remedy and supersedes any previous warranty or undertaking.

1	Crown Stanchion Assy	SFA39XC-2538	33	Compr'n Adjuster Ext'n	SF39XC - 2507
2	Schrader Valve Plug Assy	SFAUP - 2526	34	Circlip.	SFUP - 801
5	O'/Quad Ring Kit	SFA39XC-2532	36	Wiper/Foam Ring Kit (4pce)	SFUP - 2407
6	Carbon Slider Assy V	SFA39XC-2536	40	Control Valve.	SF36 - 2206
	Carbon Slider Assy Disc	SFA39XC-2537	41	Damper Body Assy.	SFA39XC-2531
8	Brake Mount Assy Kit	SFAUP - 2311	53	Damper Rod Assy	SFA39XC-2511
9	M6x12 S/S Skt. Hd. Screw	SFUP - 2529	56	Decal Kit RC39 Kit	SF39XC - 2513
10	Hose guide Kit.	SFAUP - 2328	58	Stanchion Top Plug	SFUP - 2525
11	Dust Cap.	SFUP - 2514	60	Bump stop.	SF36 - 2327
12	Forged L't Lever full Kit.	SFAUP - 2210	61	Damper Piston Assy	SFA39XC-2510
13	Control Valve Assy	SFA39XC-2530	63	Spring - Control Valve.	SFUP - 032
17	Air Piston Assy.	FO39XC - 2520	64	Detent Kit Assy.	SFAUP - 017
18	Circlip	SFUP - 2518	65	Lock Out Kit Assy.	SFAUP - 2316
21	Adjuster knob.	SFUP - 2305	66	Lock Out Lever Grip Assy.	SFAUP - 022
22	Circlip.	SFUP - 902	68	Lock Out Lever Screw Kit.	SFAUP - 023

