

# POST-MODERNE

## UNICON™ Suspension Fork

### with PrµF™ Micro-Adjustment



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#### INTRODUCTION

- **UNICON™** = Concentric Uni-Shock Suspension Fork
- **PrµF™ System** = Precision Micro-adjustment Fork System [Patented]

#### PrµF™ Micro-Adjustment Adjustment of the Play-Control

This document explains the simple but important steps to properly adjust this Post-Moderne suspension fork's side-play. It's important to carefully and properly adjust the side-play for these reasons:

- Minimize the chance for fore/aft vibrations during braking.
- Ensure precise and accurate steering.
- Ensure the smooth up/down movement of the suspension

#### SERVICE INSTRUCTIONS

⚠ **IMPORTANT:** Read Carefully and Follow Each Instruction Step-By-Step

⚠ **WARNING:** Failure to follow instructions may cause irreparable damage to the fork and to the rest of the bicycle. Failure to follow instructions may cause injury or death to the bicycle rider or people around the bicycle rider.

#### TOOLS REQUIRED:

- ✓ 4mm and 6mm Allen keys
- ✓ 14mm spanner wrench
- ✓ White Lithium Grease (e.g. Lubriplate™ GR-132 or similar)

#### 1. SPRING PRE-LOAD ADJUSTMENT

**Frequency:** One-time, or if the rider or the rider's preference changes.

**Purpose:** Spring Pre-Load should be set-up for each rider's preference. If the suspension feels too soft or too stiff then the pre-load should be adjusted

#### Steps:

- 1.1 The pre-load adjuster screw is located under the fork crown (above the tire), recessed inside a larger fixing screw.
- 1.2 NOTE: It may be necessary to remove the front wheel, mudguards, etc, to access the adjuster screw.
- 1.3 Use a 4mm allen key to adjust the pre-load screw.
- 1.4 Turn clockwise to increase pre-load and stiffen the suspension.
- 1.5 Turn counter-clockwise to decrease pre-load and soften the suspension.

Note: The fork comes from the factory set at the lowest pre-load setting.

#### 2. UNICON™ LUBRICATION

**Frequency:** Inspect monthly. Re-grease as-needed.

**Purpose:** Grease on the inner UNICON shaft is important for smooth suspension operation.

#### Steps:

- 2.1 Check the grease on the inner shaft often. If the grease is dry or dirty then it should be re-greased
- 2.2 Remove the rubber-boot by peeling it up away from the Unicon mechanism to expose the inner shaft.
- 2.3 Inspect the grease on the shaft.
- 2.4 If necessary, remove old grease with a clean rag and then re-grease liberally with white lithium grease.
- 2.5 Replace the rubber-boot to seal the fork.

#### 3. PrµF™ MICRO-ADJUSTMENT of PLAY

**Frequency:** As-needed. If any play develops in the suspension.

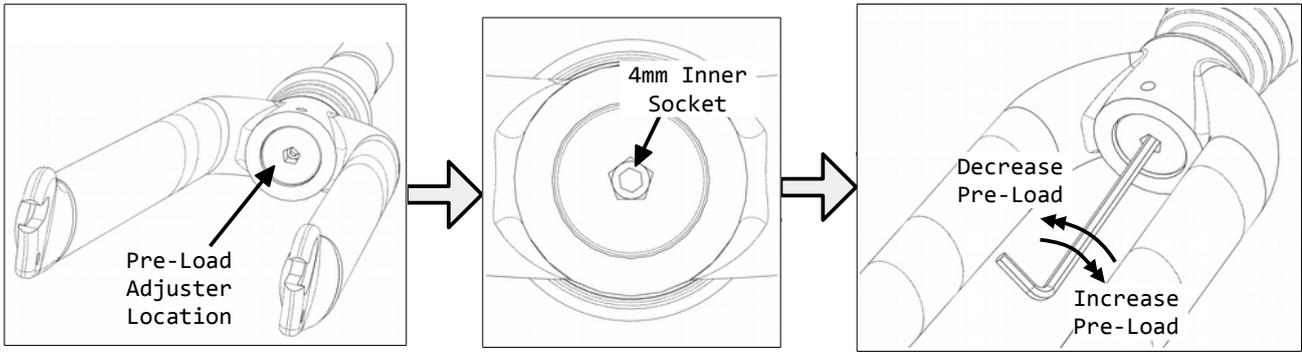
**Purpose:** Maintain smooth steering, braking and suspension.

#### Steps:

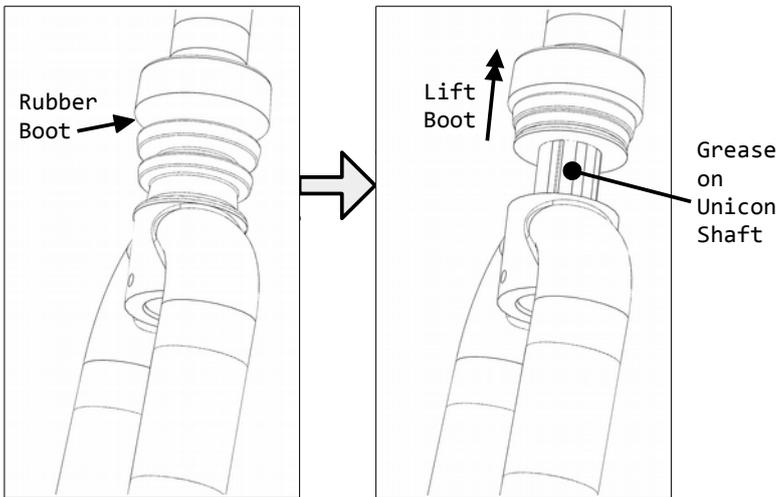
- 3.1 Remove the rubber-boot by peeling it down away to expose the Micro-Adjustment system.
- 3.2 Each of the micro-adjustment screws are held in position with locking-nuts.
- 3.3 Loosen the adjusting screws with a 14 mm spanner (wrench) before starting the micro-adjustment.
- 3.4 Adjust the 4 screws with a 6 mm allen-key to remove any play or looseness.
  - (i) Tighten each opposing pair of screws together. For example, tighten pair [A-A], then pair [B-B]. Repeat as necessary.
  - (ii) Alternately, loosen the screws to remove any binding or stiction.
- 3.5 The fork is correctly adjusted when there is no play but the fork moves through it's travel smoothly.
- 3.6 Make sure to tighten all 4 screws evenly.
- 3.7 Re-tighten each of the locking-nuts to 70-80 kgf-cm (6.9-8.8 N-m) whilst holding each screw in position.
- 3.8 Check the fork movement:
  - (i) up-and-down travel is smooth
  - (ii) has no front-to-back play
  - (iii) has no side-to-side or twisting play
- 3.9 If the fork does not pass the above checklist, then repeat points 3.3 to 3.9 until it passes.
- 3.10 Replace the rubber-boot to seal the fork.

⚠ **WARNING:** Never touch the tamper-resistant screws !

### 1. SPRING PRE-LOAD ADJUSTMENT



### 2. UNICON™ LUBRICATION



### 3. PrµF™ MICRO-ADJUSTMENT of PLAY

