# K2 Bike 2003 Setup Tirade 4.0 Tirade 5.0 Tirade 6.0

## Choose The Right Spring

To get the best performance from your K2 Tirade, it is necessary to adjust the suspension. The first step is to set up the bike with the correct spring rate. The Spring Rate Chart as shown below is a good guide line to get the correct spring rate.

| rider weight in lbs | rider weight in kg | Air Pressure in Psi. | Spring Rate in in/lbs |
|---|---|---|---|
| 120 | 55 | 110 | 400 |
| 140 | 65 | 135 | 500 |
| 160 | 70 | 160 | 550 |
| 180 | 80 | 180 | 650 |
| 200 | 90 | 190 | 700 |
| 220 | 100 | 200 | 750 |



Fig 1



Fig 2

## Adjusting Sag

The Spring Rate chart is a good guide line, but more accurate results can be obtained by adjusting the SAG. SAG is how much the shock compresses when you sit on the bicycle. Increasing the spring preload or air pressure will make the shock compress less. Decreasing the spring preload or air pressure will make the shock compress more. The proper amount of SAG for all mountain use should be 25% of the shock stroke. Please follow the next steps to obtain the proper amount of SAG.

The shock stroke of the Tirade is 2.0"/50mm

Recommended SAG for the Tirade is 0.5"/13mm

1. Measure the distance from the center of one shock mounting bolt to the center of the other shock mounting bolt.
2. Sit on the bicycle in a normal riding position.
3. Have an assistant measure the the distance of one mounting bolt to the center of the other shock mounting bolt.
4. The difference between measurement 1 and 2 is the amount of SAG.
5. If the amount of sag is not 25% you need to adjust the spring preload or the air pressure. Fig1 and fig2.
6. K2 Bike recommends no more than 5 turns of preload on the spring. If more than 5 turns are required to achieve the correct amount of SAG, it is recommended that the spring be replaced with a firmer rate.

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## Rebound adjustment

1.All Tirades come with rebound adjustment.
2.Rebound damping is adjusted by the red rebound adjuster knob. Rebound damping controls the speed at which the shock returns to its original position after the shock is compressed.
3.The shocks that come specced on the Tirade have 12 clicks of adjustment from fully closed. Turning the knob clockwise will cause the shock to rebound slower.
4.The proper rebound setting is a personal preference and varies upon your weight and riding style.
5.Experts agree that the rebound should be as fast as possible without kicking back and pushing the rider off the saddle when riding the bike in rough terrain. If the rebound damping is set too slow, the suspension will not have enough time to extend before hitting the next bump.
6.Optimal rebound damping will cause the rear wheel to follow the terrain providing maximum traction.

## Compression Adjustment

1.The Tirade 6.0 shock has compression damping adjustment, which is adjusted by the blue compression adjuster knob. Compression damping controls the force required to compress the shock.
2.Turning the knob counterclockwise decreases the amount of compression damping.
3.The shock has 12 clicks of adjustment from fully closed.
4.The proper compression damping is a personal preference and varies upon your weight and riding style.
5.The smoothest ride will be obtained with the adjuster in the softest setting.

## Wheel Travel Adjustment

1.All Tirades have three wheel travel options.
2.Position A as shown in Fig1 will give you 6" of rear wheel travel.
3.The other two positions will give you 5" or 4" of rear wheel travel, as indicated on the linkage plates.
4.The travel positions can be adjusted by removing the 8mm shock bolt and aligning the shock with one of the other travel options. The 8mm shock bolt needs to be tightened to 260 in/lbs.
5.Note. The shock holes in the linkage plates are placed on the circumference of the shock's eye to eye measurement. As a result,switching between the rear wheel travel options will not change the geometry of the bike.

## Seat post Insertion

The Tirade is an interrupted seattube design. The interrupted seattube design limits the amount of adjustment of the seat post. Always make sure that the seat post on your Tirade has a minimum of 3" insertion in the seattube.



Fig 1

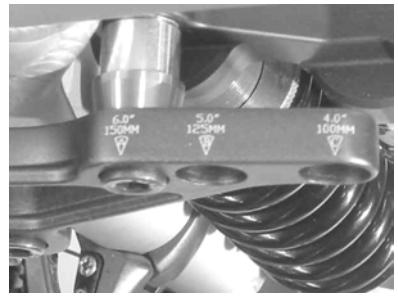



Fig 2

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