

MEASURING STATIC SPRING SAG

REAR SUSPENSION

- Step 1. Suspension Fully Extended L1 _____
- Step 2. Rider On-board, Push Down, Let UP L2 _____
- Step 3. Rider On-board, Lift Up, Let Down L3 _____

FORMULA for static spring sag

$$\text{Static Spring Sag} = L1 - [(L2+L3)/2]$$

Static Spring Sag, Rear = _____

	Travel	% of Total Travel
REAR SETTINGS		
Off-Road Bikes	95-100mm	30-33%
Off-Road 80cc Mini's	75-80mm	30-33%
Street Bikes	30-35mm	28-33%
Road Race Bikes	25-30mm	23-27%

Rear Suspension Stiction (mechanical condition) = L3 - L2

Stiction _____

Rear Suspension, Good Condition = 3mm (.12")

Rear Suspension, Poor Condition = 10mm (.39")

FRONT SUSPENSION

- Step 1. Suspension Fully Extended L1 _____
- Step 2. Rider On-board, Push Down, Let UP L2 _____
- Step 3. Rider On-board, Lift Up, Let Down L3 _____

FORMULA for static spring sag

$$\text{Static Spring Sag} = L1 - [(L2+L3)/2]$$

Static Spring Sag, Front = _____

	Travel	% of Total Travel
FRONT SETTINGS		
Off-Road Bikes	75-85mm	25-28%
Off-Road 80cc Mini's	65-70mm	25-28%
Street Bikes	30-35mm	28-33%
Road Race Bikes	25-30mm	23-27%

Front Suspension Stiction (mechanical condition) = L3 - L2

Stiction _____

Front Suspension, Good Condition = 15mm (.59")

Front Suspension, Poor Condition = 40mm (1.57")