FRONT FORK TUNING PROCEDURE

Test ride the motorcycle and find out how the front suspension reacts on various types of surface. According to the symptom noticed, adjust the front fork to the best setting for rider and race track conditions. To adjust, attempt changing fork oil capacity, compression and rebound damping force following the instructions below.

NOTE:

When adjusting the front fork oil capacity, make sure that the oil level is within the specified range. Also, the capacity should be increased or decreased by 1 ml (0.034/0.035 US/Imp oz) [Approx. 1.8 mm (0.07 in)] at a time. When adjusting the damping force*, attempt turning the adjuster 1 to 2 click stops at a time for each adjustment*

SYMPTOM	SECTION	ADJUSTMENT PROCEDURE
Feels too hard overall	• Jump • Large bumps • Series of medium bumps	1. Adjust both compression and rebound damping force to a softer setting. 2. Decrease fork oil capacity. / Decrease air pressure 3. Replace the spring with an optional softer one.
Understeer not pointy	• Cornering • Braking into corners	1. Rice fork legs in clamps 2. Open rebound rear.
Oversteer / unstable	• Cornering • High speeds • Series of bumps	1. Lower fork legs in clamps 2. Close rebound rear. 2. Close Low Speed compression rear.
Feels too soft overall and bottoms	• Jump • Large bump • When braking	1. Adjust the compression damping force to a stiffer setting. 2. Increase fork oil capacity. / Increse air pressure 3. Replace the spring with an optional stiffer one.
Feels too hard near end of travel	• Jump	1. Decrease fork oil capacity. / Decrease air pressure
Feels too soft near end of travel and bottoms harshly	• Jump • Large bump	1. Adjust the compression damping force to a stiffer setting. 2. Increase fork oil capacity. / Increase air pressure
Feels too hard in the beginning of stroke	• Jump • Large bump • Series of medium bumps • Series of small bumps	1. Adjust the low speed compression damping force to a softer setting. 2. Adjust the compression damping force to a softer setting.
Feels too soft and unstable	• Series of medium bumps • Series of small bumps	1. Adjust the low speed rebound damping force to a stiffer setting. 1. Adjust the rebound damping force to a stiffer setting.
Bounces	• Jump • Large bump	1. Adjust the rebound damping force to a stiffer setting.
Bounces	• Series of small bumps	1. Adjust the low speed rebound damping force to a stiffer setting. 2. Adjust the rebound damping force to a softer setting.

REAR DAMPER TUNING PROCEDURE

After the sag measurement has been set 100 mm, test ride the motorcycle and adjust the suspension for the rider and track conditions referring to the guide below.

NOTE:

When adjusting the damping force setting, attempt turning the adjuster 1 to 2 click stops at a time for each adjustment.

SYMPTOM	SECTION	ADJUSTMENT
Feels too hard overall	• Jump • Series of bumps	1. Adjust the low-speed compression damping force to a softer setting. 2. Adjust the rebound damping force to a softer setting. 3. Replace the spring with an optional softer one. 4. Adjust the high-speed compression damping force to a softer setting.
Kicks up	• Medium to large bumps	1. Adjust the low-speed compression damping force and rebound damping force to a harder setting. 2. Adjust the high-speed compression damping force to a harder setting.
Bottom feeling or feels too soft and unstable	• Jump • Large bump • Series of bumps	1. Adjust the low-speed compression damping force to a harder setting. 2. Adjust the rebound damping force to a harder setting. 3. Replace the spring with an optional stiffer one.
Feels harsh and hits bumps too harshly	• Jump • Large bump • Series of bumps	1. Adjust the low-speed compression damping force to a harder setting. 2. Adjust the rebound damping force to a harder setting. 3. If the suspension feels bottom even with the above adjustment, adjust the high-speed compression damping to a harder setting.
Provides poor traction	• Accelerating • Series of small bumps	1. Adjust the rebound damping to a harder setting. 2. If traction feeling does not improve after adjusting above procedure, adjust the low-speed compression damping to a softer setting. 3. If the suspension feels bottom even with the above adjustment, adjust the high-speed compression damping to a harder setting.
Tends to sink front than rear	• Decelerating or braking	1. Adjust the high-speed compression damping force to a softer setting. 2. Adjust the rebound damping force to a harder setting.