

# Suspension Adjustment Guidelines

	Symptom	Action
Stiff suspension	<p>Initial travel too stiff:</p> <ul style="list-style-type: none"> <li>• Stiff on small bumps while riding at full throttle in a straight line.</li> <li>• Stiff on small cornering bumps.</li> <li>• Front end wanders while riding at full throttle in a straight line.</li> </ul>	<ul style="list-style-type: none"> <li>– Test softer compression damping adjustments in 1/4 turn increments.</li> <li>– Reduce the rebound damping adjustments in 1/4 turn increments.</li> <li>– Check for dirt in the dust seals. Check the fork oil for any contamination.</li> </ul> <p>If the front end dives while cornering after the above adjustment: Reduce the rebound damping in 1/4 turn increments. If that doesn't solve the problem, install the optional stiff spring.</p> <p>If the stiff spring makes the suspension too stiff over the full range of travel: test softer compression damping adjustments in 1/4 turn increments until the desired compression damping for initial travel is obtained.</p>
	<p>Middle travel too stiff:</p> <ul style="list-style-type: none"> <li>• Stiff on bumps when cornering.</li> <li>• Front end wanders when cornering.</li> <li>• Stiff suspension on bumps, especially downhill bumps.</li> <li>• While braking, front end dives during initial travel, then feels stiff.</li> </ul>	<p>If initial travel isn't stiff:</p> <ul style="list-style-type: none"> <li>– Test stiffer compression damping adjustments in 1/4 turn increments. (This should produce smooth fork action from initial to middle travel.)</li> </ul> <p>If initial and middle travel is stiff:</p> <ul style="list-style-type: none"> <li>– Test softer compression damping adjustments in 1/4 turn increments.</li> <li>– Reduce the rebound damping in 1/4 turn increments.</li> </ul>
	<p>Final travel too stiff:</p> <ul style="list-style-type: none"> <li>• Doesn't bottom on landings, but feels stiff.</li> <li>• Stiff on large bumps, especially downhill bumps.</li> <li>• Stiff on large bumps when cornering.</li> </ul>	<p>If initial and middle travel aren't stiff:</p> <ul style="list-style-type: none"> <li>– Test stiffer compression damping adjustments in 1/4 turn increments. (This should produce smooth fork action from initial to middle travel.)</li> </ul> <p>If final travel is still stiff after the above adjustment, or If initial and middle travel becomes stiff:</p> <ul style="list-style-type: none"> <li>– Install the optional soft spring.</li> <li>– Test softer compression damping adjustments in 1/4 turn increments.</li> </ul> <p>If the entire travel feels stiff after the above adjustment:</p> <ul style="list-style-type: none"> <li>– Test softer compression damping adjustments in 1/4 turn increments until the desired initial travel compression damping is obtained.</li> <li>– Lower the oil level by 0.2 US oz (5 cm<sup>3</sup>).</li> </ul>
	<p>Entire travel too stiff:</p> <ul style="list-style-type: none"> <li>• Stiff suspension on any type of terrain.</li> </ul>	<ul style="list-style-type: none"> <li>– Test softer compression damping adjustments in 1/4 turn increments.</li> <li>– Reduce the rebound damping in 1/4 turn increments.</li> <li>– Lower the oil level by 0.2 US oz (5 cm<sup>3</sup>).</li> </ul>