









2A



## Suspension and Wheel Symptom Diagnosis

Condition	Possible Cause	Action
<b>Wobbly front wheel</b>	Distorted wheel rim.	Replace.
	Worn front wheel bearings.	Replace.
	Defective or incorrect tire.	Replace.
	Loose front axle nut.	Tighten.
	Loose front axle pinch bolts.	Tighten.
	Incorrect fork oil level.	Adjust.
	Incorrect front wheel weight balance.	Adjust.
<b>Front suspension too soft</b>	Insufficiently viscous fork oil.	Replace.
	Insufficient fork oil.	Check level and add.
	Worn spring.	Replace.
	Improperly set front fork spring pre-load adjuster.	Adjust.
	Improperly set front fork damping force adjuster.	Adjust.
<b>Front suspension too stiff</b>	Excessively viscous fork oil.	Replace.
	Excessive fork oil.	Check level and drain.
	Bent front axle.	Replace.
	Improperly set front fork spring pre-load adjuster.	Adjust.
	Improperly set front fork damping force adjuster.	Adjust.
<b>Front suspension too noisy</b>	Insufficient fork oil.	Check level and add.
	Loose front suspension fastener.	Tighten.
<b>Wobbly rear wheel</b>	Distorted wheel rim.	Replace.
	Worn rear wheel bearings.	Replace.
	Defective or incorrect tire.	Replace.
	Worn swingarm bearings.	Replace.
	Loose rear suspension fastener.	Tighten.
	Loose rear axle nut.	Tighten.
	Worn rear suspension bearings.	Replace.
	Incorrect rear wheel weight balance.	Adjust.
<b>Rear suspension too soft</b>	Weak rear shock absorber spring.	Replace.
	Rear shock absorber leaks oil.	Replace.
	Improperly set rear shock absorber spring pre-load adjuster.	Adjust.

<b>Rear suspension too stiff</b>	Improperly set rear shock absorber damping force adjuster.	<i>Adjust.</i> 
	Bent rear shock absorber shaft.	<i>Replace.</i> 
	Worn swingarm bearings.	<i>Replace.</i> 
	Worn rear suspension bearings.	<i>Replace.</i> 
	Bent swingarm pivot shaft.	<i>Replace.</i> 
	Improperly set rear shock absorber spring pre-load adjuster.	<i>Adjust.</i> 
	Improperly set rear shock absorber damping force adjuster.	<i>Adjust.</i> 
<b>Rear suspension too noisy</b>	Loose rear suspension fastener.	<i>Tighten.</i> 
	Worn swingarm bearings.	<i>Replace.</i> 
	Worn rear suspension bearings.	<i>Replace.</i> 