

# SUSPENSION AND AXLE

# TROUBLESHOOTING

Problem	Possible cause	Remedy	Page
Wanders/pulls	Tires worn or Improperly inflated	Inflate to proper pressure or replace tires	<a href="#">SA-3</a>
	Alignment incorrect	Check front wheel alignment	<a href="#">SA-4</a>
	Wheel bearing worn	Replace wheel bearing	<a href="#">SA-12</a>
	Front or rear suspension parts loose or broken	Tighten or replace suspension parts	
	Steering linkage loose or worn	Tighten or replace steering linkage	
	Steering gear out of adjustment or broken	Adjust or repair steering gear	
Bottoming	Vehicle overloaded	Check loading	
	Shock absorber worn out	Replace shock absorber	<a href="#">SA-107</a>
	Springs weak	Replace spring	<a href="#">SA-109</a>
Sways/pitches	Tires improperly inflated	Inflate tires to proper pressure	<a href="#">SA-3</a>
	Stabilizer bar bent or broken	Inspect stabilizer bar	<a href="#">SA-122</a>
	Shock absorber worn out	Replace shock absorber	<a href="#">SA-107</a>
Front wheel shimmy	Tires worn or improperly inflated	Replace tires or inflate to proper pressure	<a href="#">SA-3</a>
	Wheels out of balance	Balance wheels	<a href="#">SA-3</a>
	Shock absorber worn out	Replace shock absorber	<a href="#">SA-107</a>
	Alignment incorrect	Check front alignment	<a href="#">SA-4</a>
	Wheel bearing worn	Replace wheel bearings	<a href="#">SA-12</a>
	Ball joints or bushings worn	Inspect ball joints and bushings	<a href="#">SA-120</a>
	Steering linkage loose or worn	Tighten or replace steering linkage	
	Steering gear out of adjustment or broken	Adjust or repair steering gear	
Abnormal tire wear	Tires improperly inflated	Inflate tires to proper pressure	<a href="#">SA-3</a>
	Shock absorbers worn out	Replace shock absorber	<a href="#">SA-107</a>
	Alignment incorrect	Check toe-in	<a href="#">SA-4</a>
	Suspension parts worn	Replace suspension parts	
Oil leak from rear axle	Oil seals worn or damaged	Replace oil seal	<a href="#">SA-127</a>
	Bearing retainer loose	Replace retainer	<a href="#">SA-127</a>
	Rear axle housing cracked	Repair as necessary	
Oil leak from pinion shaft	Oil level too high or wrong grade	Drain and replace oil	<a href="#">SA-52</a> , 143
	Oil seal worn or damaged	Replace oil seal	<a href="#">SA-46</a> , 139
	Companion flange loose or damaged	Tighten or replace flange	53, 84 <a href="#">SA-144</a>
Noises in axis	Oil level low or wrong grade	Drain and replace oil	<a href="#">SA-52</a> , 143
	Excessive backlash between pinion and ring or side gear	Check backlash	<a href="#">SA-154</a>
	Ring, pinion or side gears worn or chipped	Inspect gears	
	Pinion shaft bearing worn	Replace bearing	
	Axle shaft bearing worn	Replace bearing	
	Differential bearing loose or worn	Tighten or replace bearings	<a href="#">SA-127</a>