

# SUSPENSION AND AXLE

# TROUBLESHOOTING

Problem	Possible cause	Remedy	Page	
			2WD	4WD
Wanders/pulls	Tires worn or improperly inflated Alignment incorrect Wheel bearing adjusted too tight Front or rear suspension parts loose or broken Steering linkage loose or worn Steering gear out of adjustment or broken	Inflate tires to proper pressure or replace tires Check front alignment Adjust wheel bearing Tighten or replace suspension parts Tighten or replace steering linkage Adjust or repair steering gear	SA-3 SA-13 SA-17, 153	SA-6 SA-39 SA-111, 153
Bottoming	Vehicle overloaded Shock absorber worn out Springs weak	Check loading Replace shock absorber Replace spring	SA-22, 153 SA-20, 153	SA-116, 153 SA-114, 153
Sways/pitches	Tires improperly inflated Stabilizer bar bent or broken Shock absorber worn out	Inflate tires to proper pressure Inspect stabilizer bar Replace shock absorber	SA-28, 157 SA-22, 153	SA-122 SA-1 16, 153
Front wheel shimmy	Tires worn or improperly inflated Wheels out of balance Shimmy damper worn out Shock absorber worn out Alignment incorrect Wheel bearings worn or improperly adjusted Ball joints or bushings worn Steering linkage loose or worn Steering gear out of adjustment or broken	Replace tire or inflate tires to proper pressure Balance wheels Replace steering damper Replace shock absorber Check front alignment Replace or adjust wheel bearings Inspect ball joints and bushings Tighten or replace steering linkage Adjust or repair steering gear	SA-22, 153 SA-3 SA-12 SA-18	SA-116, 153 SA-6 SA-36 SA-112
Abnormal tire wear	Tires improperly inflated Shock absorbers worn out Alignment incorrect Suspension parts worn	Inflate tires to proper pressure Replace shock absorber Check toe-in Replace suspension parts	SA-22, 153 SA-5 SA-17, 153	SA-116, 153 SA-9 SA-111, 153
Oil leak from differential	Oil level too high or wrong grade Oil seal worn or damaged Companion flange loose or damaged	Drain and replace oil Replace oil seal Tighten or replace flange	SA-136 SA-135 SA-149	SA-57, 136 SA-54, 135 SA-56, 149
Noises in axle	Oil level low or wrong grade Excessive backlash between pinion and ring or side gear Ring, pinion or side gears worn or chipped Pinion shaft bearing worn  Axle shaft bearing worn Differential bearing loose or worn	Drain and replace oil Check backlash  Inspect gears  Replace bearing  Replace bearing Tighten or replace bearings	SA-136 SA-137  SA-137  SA-137  SA-124 SA-137	SA-57, 136 SA-68, 85 137 SA-66, 82, 137 SA-66, 82, 137 SA-124 SA-66, 82, 137