

SUSPENSION AND AXLE

TROUBLESHOOTING

Problem	Possible cause	Remedy	Page
Wanders/pulls	Tires worn or improperly inflated	Replace tire or inflate tires to proper pressure	SA-3
	Alignment incorrect	Check front wheel alignment	SA-3
	Hub bearing worn	Replace hub bearing	SA-10, 35
	Front or rear suspension parts loose or broken	Tighten or replace suspension parts	
	Steering linkage loosen 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	SA-14, 75
	Springs weak	Replace spring	SA-14, 75
Sways/pitches	Tires improperly inflated	Inflate tires to proper pressure	SA-3
	Stabilizer bar bent or broken	Inspect stabilizer bar	SA-30, 85
	Shock absorber worn out	Replace shock absorber	SA-14, 75
Front wheel shimmy	Tires worn or improperly inflated	Replace tire or inflate tires to proper pressure	SA-3
	Wheels out of balance	Balance wheels	
	Shock absorber worn out	Replace shock absorber	SA-14
	Alignment incorrect	Check front wheel alignment	SA-3
	Hub bearings worn	Replace hub bearings	SA-10
	Ball joints worn	Inspect ball joints	SA-22
	Steering linkage loosen 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	SA-3
	Shock absorbers worn out	Replace shock absorber	SA-10, 35
	Alignment incorrect	Check front wheel alignment	SA-3
	Suspension parts worn	Replace suspension parts	
Oil leak from differential	Oil level too high or wrong grade	Drain and replace oil	
	Drive pinion oil seal worn or damaged	Replace oil seal	SA-46
	Side gear oil seal worn or damaged	Replace oil seal	SA-49
	Companion flange loose or damaged	Tighten or replace flange	SA-47
	Side gear shaft damaged	Replace shaft	SA-49
Noises in rear axle	Oil level low or wrong grade	Drain and replace oil	
	Excessive backlash between pinion and ring or side gear	Check backlash	SA-53
	Ring gear worn or chipped	Inspect gear	SA-51
	Pinion or side gears worn or chipped	Inspect gears	SA-67, 69
	Pinion shaft bearing worn	Replace bearing	SA-51
	Side bearing worn	Replace bearing	SA-51
	Differential bearing loose or worn	Tighten or replace bearings	SA-47