

SUSPENSION AND AXLE

TROUBLESHOOTING

Problem	Possible cause	Remedy	Page	
			Front	Rear
Wanders/pulls	Tire worn or improperly inflated	Replace tire or inflate tires to proper pressure	A-17	A-17
	Alignment incorrect	Check front wheel alignment	SA-3	—
	Front or rear suspension parts loose or broken	Tighten or replace suspension parts	SA-47	SA-87
	Steering linkage loosen or worn	Tighten or replace steering linkage	SR-42	—
	Steering gear out of adjustment or broken	Adjust or repair steering gear	SR-32	—
Bottoming	Vehicle overloaded	Check loading	SA-47	SA-87
	Shock absorber worn out	Replace shock absorber	SA-47	SA-87
	Spring weak	Replace spring		
Stay/pitches	Tires improperly inflated	Inflated tires to proper pressure	A-17	A-17
	Stabilizer bar bent or broken	Inspect stabilizer bar	SA-47	SA-87
	Shock absorber worn out	Replace shock absorber	SA-47	SA-87
Front wheel shimmy	Tires worn or improperly inflated	Replace tire or inflate tires to proper pressure		
	Wheels out of balance	Balance wheels	SA-47	—
	Shock absorber worn out	Replace shock absorber	SA-3	—
	Wheel alignment incorrect	Check front wheel alignment	SA-6	—
	Hub bearings worn	Replace hub bearings	SR-32	—
	Steering gear out of adjustment or broken	Adjust or repair steering gear		
Abnormal tire wear	Tires improperly inflated	Inflated tire to proper pressure	A-17	A-17
	Shock absorbers worn out	Replace shock absorber	SA-47	SA-87
	Wheel alignment incorrect	Check wheel alignment	SA-3	SA-3
	Suspension parts worn	Replace suspension parts	SA-47	SA-87
Oil leak from axle	Oil seals worn or damaged	Replace oil seal	SA-14	SA-58
	Bearing retainer loose	Replace retainer	—	SA-58
	Axle housing cracked	Repair as necessary		
Oil leak from pinion shaft	Oil level too high or wrong grade	Drain and replace oil	SA-27	SA-70
	Oil seal worn or damaged	Replace oil seal	SA-23	SA-64
	Companion flange loose or damaged	Tighten or replace bearings	SA-27	SA-70
Noise in axle	Oil level low or wrong grade	Drain and replace oil	SA-27	SA-70
	Excessive backlash between pinion and ring or side gear	Check backlash	SA-30	SA-71
	Ring, pinion or side gears worn or chipped	Inspect gears	SA-30	SA-71
	Pinion shaft bearing worn	Replace bearing	SA-30	SA-71
	Axle shaft bearing worn	Replace bearing	SA-14	SA-58
	Differential bearing loose worn	Tighten or replace bearings	SA-30	SA-71