
SUSPENSION AND AXLE

TROUBLESHOOTING

SA04E-01

Problem	Possible cause	Remedy	Page
Wanders/pulls	Tires worn or improperly inflated Alignment incorrect wheel bearing worn Front or rear suspension parts loose or broken Steering linkage loose or worn Steering gear out of adjustment or broken	Inflate to proper pressure or replace tires Check front wheel alignment Replace wheel bearing Tighten or replace suspension parts Tighten or replace steering linkage Adjust or repair steering gear	SA-167 SA-4 SA-9
Bottoming	Vehicle overloaded Shock absorber worn out Springs weak	Check loading Replace shock absorber Replace spring	SA-65, 151 SA-65, 151
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-167 SA-75, 163 SA-65, 151
Front wheel shimmy	Tires worn or improperly inflated Wheels out of balance Shock absorber worn out Alignment incorrect Wheel bearing worn Ball joints or bushings worn Steering linkage loose or worn Steering gear out of adjustment or broken	Replace tires or inflate to proper pressure Balance wheels Replace shock absorber Check front alignment Replace wheel bearings Inspect ball joints and bushings Tighten or replace steering linkage Adjust or repair steering gear	SA-167 SA-3 SA-65, 151 SA-4 SA-9
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-167 SA-65, 151 SA-4
Oil leak from rear axle	Oil seals worn or damaged Bearing retainer loose Rear axle housing cracked	Replace oil seal Replace retainer Repair as necessary	
Oil leak from pinion shaft	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-33, 105 SA-29, 102
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-33, 105 SA-40, 112