
SUSPENSION AND AXLE

TROUBLESHOOTING

Problem	Possible cause	Remedy	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-4 SA-18 SA-113, SA-192	SA-6 SA-27 SA-135, SA-192
Bottoming	Vehicle overloaded Shock absorber worn out Springs weak	Check loading Replace shock absorber Replace spring	SA-115, SA-194 SA-117, SA-196	SA-138, SA-194 SA-140, SA-197
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-133 SA-115, SA-194	SA-154 SA-138, SA-194
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-115, SA-194 SA-4 SA-18 SA-131	 SA-138, SA-194 SA-6 SA-27 SA-152
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-115, SA-194 SA-5 SA-113, SA-192	SA-138, SA-194 SA-7 SA-135, SA-192
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-172 SA-169 SA-169	SA-59, SA-172 SA-55, SA-169 SA-55, SA-169
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-172 SA-176 SA-176 SA-177 SA-161 SA-177	SA-59, SA-172 SA-64, SA-95, SA-176 SA-62, SA-93, SA-176 SA-65, SA-95, SA-177 SA-161 SA-62, SA-93, SA-177