

Wheel Alignment

TROUBLE SHOOTING

CONDITION	POSSIBLE CAUSE	CORRECTION
Premature Tire Wear	Improper tire inflation Front alignment out of tolerance Suspension components worn Steering system components worn Improper standing height Uneven or sagging springs Bent wheel Improper torsion bar adjustment Loose or worn wheel bearings Worn or defective shock absorbers Tires out of balance	Check tire pressure See Adjustments in WHEEL ALIGNMENT See SUSPENSION See STEERING See RIDING HEIGHT SPECIFICATIONS See Coil Springs in SUSPENSION See WHEEL ALIGNMENT See SUSPENSION See Wheel Bearing Adj. in SUSPENSION Replace shock absorbers Check tire balance
Pulls to One Side	Improper tire inflation Brake dragging Mismatched tires Broken or sagging spring Broken torsion bar Power steering valve not centered Front alignment out of tolerance Defective wheel bearing Uneven sway bar links Frame bent Steering system bushing worn Idler arm bushing too tight	Check tire pressure See BRAKES See WHEEL ALIGNMENT See SUSPENSION See SUSPENSION See STEERING See Adjustments in WHEEL ALIGNMENT See Wheel Bearings in SUSPENSION See SUSPENSION Check for frame damage See STEERING See STEERING LINKAGE
Hard Steering	Idler arm bushing too tight Ball joint tight or seized Steering linkage too tight Power steering fluid low Power steering drive belt loose Power steering pump defective Steering gear out of adjustment Incorrect wheel alignment Damaged steering gear Damaged suspension Bent steering knuckle or supports	See STEERING LINKAGE See Ball Joint Checking in SUSPENSION See STEERING LINKAGE Add proper amount of fluid See STEERING See STEERING See STEERING See WHEEL ALIGNMENT See STEERING See SUSPENSION See SUSPENSION
Vehicle "Wanders"	Strut rod or control arm bushing worn Loose or worn wheel bearings Improper tire inflation Stabilizer bar missing or defective Wheel alignment out of tolerance Broken spring Defective shock absorbers Worn steering & suspension components	See SUSPENSION See Wheel Bearings in SUSPENSION Check tire pressure See SUSPENSION See Adjustment in WHEEL ALIGNMENT See SUSPENSION Replace shock absorbers See SUSPENSION
Front End Shimmy	Tire out of balance/round Excessive wheel runout Insufficient or improper caster Worn suspension or steering components Defective shock absorbers Wheel bearings worn or loose Power steering reaction bracket loose Steering gear box (rack) mounting loose Steering gear adjustment loose Worn spherical joints	Check tire balance See WHEEL ALIGNMENT See WHEEL ALIGNMENT See SUSPENSION Replace shock absorbers See Wheel Bearing Adj. in SUSPENSION See STEERING See STEERING See STEERING See STEERING See SUSPENSION
Toe-In Not Adjustable	Lower control arm bent Frame bent	See SUSPENSION Check frame for damage
Camber Not Adjustable	Control arm bent Frame bent Hub & bearing not seated properly	See SUSPENSION Check frame for damage See SUSPENSION