

SUSPENSION TROUBLE SHOOTING

CONDITION & POSSIBLE CAUSE	CONDITION & POSSIBLE CAUSE
<p>Front End Noise</p> <ul style="list-style-type: none"> Loose wheel lug nuts. Loose or worn wheel bearings, shock absorbers or shock mountings, strut bushings, struts or lower control arm. Loose steering gear-to-frame mounting bolts. Steering knuckle arm contacting lower control arm wheel stop. Worn upper control arm bushings, or lower control arm shaft bushings. Insufficient lubrication on ball joints. <p>Front Wheel Shake, Shimmy or Vibration</p> <ul style="list-style-type: none"> Loose or worn wheel bearings, tie rod ends, strut bushings, upper control arm ball joints, shock absorbers or linkage pivots. Tires or wheels out of balance. Incorrect front wheel alignment. Propeller shaft unbalanced. <p>Car Pulls to One Side</p> <ul style="list-style-type: none"> Mismatched or uneven tires. Broken or sagging springs. Loose or worn strut bushings. Incorrect front wheel alignment or rear axle alignment. Front brakes dragging. <p>Abnormal Tire Wear</p> <ul style="list-style-type: none"> Unbalanced or non-rotation of tires. Sagging or broken springs. Front end alignment. Faulty shock absorbers. Overloaded car. <p>Scuffed Tires</p> <ul style="list-style-type: none"> Toe-in incorrect. Excessive speed on turns. Suspension arm bent or twisted. <p>Springs Bottom Or Sag</p> <ul style="list-style-type: none"> Automobile overloaded. Leaking or worn out shocks. Loose or broken shackles. Bent, broken or improper springs. Improper riding height. 	<p>Ride Too Soft, Too Hard or Excessive Vertical Motion of Wheels</p> <ul style="list-style-type: none"> Faulty or improper operation of shocks. Incorrect springs. <p>Leaning or Swaying on Corners</p> <ul style="list-style-type: none"> Loose stabilizer bar or missing link. Faulty shocks or shock mountings. Broken or sagging springs. <p>Spring Noises</p> <ul style="list-style-type: none"> Loose "U" bolts. Loose or worn eye bushings. Worn or missing interliners. <p>Broken Springs</p> <ul style="list-style-type: none"> Loose "U" bolts, or inoperative shock absorbers. <p>Noisy Shock Absorbers</p> <ul style="list-style-type: none"> Loose bolts or studs. Undercoating on shock absorber reservoir. Excessively worn bushing. Air trapped in system. <p>Shock Absorber Leaking Fluid</p> <ul style="list-style-type: none"> Worn seals, or crimp in reservoir tube. <p>Toe Not Adjusted to Specifications</p> <ul style="list-style-type: none"> Lower control arm bent. Frame bent. <p>Camber Not Adjusted to Specifications</p> <ul style="list-style-type: none"> Control arm bent. Frame bent. Hub and bearing assembly not properly seated on mounting surface.