

# Troubleshooting Basic Steering and Suspension Problems

| Problem                                                                        | Cause                                                                                                                                                                                                                                                                                                                   | Solution                                                                                                                                                                                                                                                                      |
|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hard steering (steering wheel is hard to turn)                                 | <ul style="list-style-type: none"> <li>• Low or uneven tire pressure</li> <li>• Loose power steering pump drive belt</li> <li>• Low or incorrect power steering fluid</li> <li>• Incorrect front end alignment</li> <li>• Defective power steering pump</li> <li>• Bent or poorly lubricated front end parts</li> </ul> | <ul style="list-style-type: none"> <li>• Inflate tires to correct pressure</li> <li>• Adjust belt</li> <li>• Add fluid as necessary</li> <li>• Have front end alignment checked/adjusted</li> <li>• Check pump</li> <li>• Lubricate and/or replace defective parts</li> </ul> |
| Loose steering (too much play in the steering wheel)                           | <ul style="list-style-type: none"> <li>• Loose wheel bearings</li> <li>• Loose or worn steering linkage</li> <li>• Faulty shocks</li> <li>• Worn ball joints</li> </ul>                                                                                                                                                 | <ul style="list-style-type: none"> <li>• Adjust wheel bearings</li> <li>• Replace worn parts</li> <li>• Replace shocks</li> <li>• Replace ball joints</li> </ul>                                                                                                              |
| Car veers or wanders (car pulls to one side with hands off the steering wheel) | <ul style="list-style-type: none"> <li>• Incorrect tire pressure</li> <li>• Improper front end alignment</li> <li>• Loose wheel bearings</li> <li>• Loose or bent front end components</li> <li>• Faulty shocks</li> </ul>                                                                                              | <ul style="list-style-type: none"> <li>• Inflate tires to correct pressure</li> <li>• Have front end alignment checked/adjusted</li> <li>• Adjust wheel bearings</li> <li>• Replace worn components</li> <li>• Replace shocks</li> </ul>                                      |
| Wheel oscillation or vibration transmitted through steering wheel              | <ul style="list-style-type: none"> <li>• Improper tire pressures</li> <li>• Tires out of balance</li> <li>• Loose wheel bearings</li> <li>• Improper front end alignment</li> <li>• Worn or bent front end components</li> </ul>                                                                                        | <ul style="list-style-type: none"> <li>• Inflate tires to correct pressure</li> <li>• Have tires balanced</li> <li>• Adjust wheel bearings</li> <li>• Have front end alignment checked/adjusted</li> <li>• Replace worn parts</li> </ul>                                      |
| Uneven tire wear                                                               | <ul style="list-style-type: none"> <li>• Incorrect tire pressure</li> <li>• Front end out of alignment</li> <li>• Tires out of balance</li> </ul>                                                                                                                                                                       | <ul style="list-style-type: none"> <li>• Inflate tires to correct pressure</li> <li>• Have front end alignment checked/adjusted</li> <li>• Have tires balanced</li> </ul>                                                                                                     |

# Auto Repair Troubleshooting Guide

**Kate J. Chase**



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