

# Steering

## MANUAL STEERING TROUBLE SHOOTING

CONDITION & POSSIBLE CAUSE	CONDITION & POSSIBLE CAUSE
<p><b>Hard Steering</b></p> <ul style="list-style-type: none"> <li>● Incorrect tire pressure.</li> <li>● Gear housing lubricant low.</li> <li>● Insufficient lubrication or abnormal wear on steering linkage.</li> <li>● Seized or damaged ball joints.</li> <li>● Steering shaft too tight.</li> <li>● Steering column incorrectly aligned.</li> </ul> <p><b>Drifting</b></p> <ul style="list-style-type: none"> <li>● Incorrect tire pressure.</li> <li>● Loose lug nuts.</li> <li>● Mismatched tires.</li> <li>● Worn or loose wheel bearings.</li> <li>● Brake drag.</li> <li>● Faulty shock absorbers or coil springs.</li> <li>● Pitman arm binding.</li> <li>● Loose steering gear.</li> <li>● Vehicle uneven riding height.</li> </ul>	<p><b>Excessive Steering Wheel Play</b></p> <ul style="list-style-type: none"> <li>● Steering wheel shaft loose or worn.</li> <li>● Steering linkage loose or worn.</li> <li>● Worn wheel bearings.</li> <li>● Worn ball joints.</li> <li>● Worm shaft bearing out of adjustment.</li> <li>● Loose steering gear housing.</li> </ul> <p><b>Steering Wheel Slides</b></p> <ul style="list-style-type: none"> <li>● Worm shaft or ball damaged.</li> <li>● Sector shaft damaged.</li> </ul> <p><b>Vibration or Shimmy</b></p> <ul style="list-style-type: none"> <li>● Incorrect tire pressure.</li> <li>● Tire out of balance.</li> <li>● Worn shock absorbers or springs.</li> <li>● Loose steering gear housing.</li> <li>● Loose steering linkage.</li> </ul> <p><b>Noise</b></p> <ul style="list-style-type: none"> <li>● Incorrect tire pressure.</li> <li>● Wheel bearings loose or worn.</li> <li>● Hub cap or rims loose.</li> </ul>

## POWER STEERING TROUBLE SHOOTING

CONDITION & POSSIBLE CAUSE	CONDITION & POSSIBLE CAUSE
<p><b>Hard Steering</b></p> <ul style="list-style-type: none"> <li>● Fluid level low.</li> <li>● Control valve binding.</li> <li>● Kinked or broken hoses.</li> <li>● Fluid lines blocked.</li> <li>● Air in system.</li> <li>● Low pump pressure.</li> <li>● Loose drive belt.</li> </ul> <p><b>Sticking Steering Wheel</b></p> <ul style="list-style-type: none"> <li>● Control valve binding.</li> </ul>	<p><b>Noise</b></p> <ul style="list-style-type: none"> <li>● Loose drive belt.</li> <li>● Low fluid.</li> <li>● Faulty valve or pump wear.</li> </ul> <p><b>Excessive Steering Wheel Play</b></p> <ul style="list-style-type: none"> <li>● Control valve binding.</li> </ul>