

## HYDRO-BOOST TROUBLE SHOOTING

**NOTE** — This is a general trouble shooting guide. Not all steps will apply to all systems.

CONDITION & POSSIBLE CAUSE	CONDITION & POSSIBLE CAUSE
<p><b>No Boost — Hard Pedal</b></p> <ul style="list-style-type: none"> <li>● Loose or broken power steering pump belt.</li> <li>● No fluid in power steering reservoir.</li> <li>● Leaks in power steering, booster or accumulator hoses.</li> <li>● Leaks at tube fittings, power steering booster or accumulator connections.</li> <li>● External leakage at accumulator.</li> <li>● Faulty booster piston seal; leakage at flange vent.</li> <li>● Faulty booster input rod seal; leakage at input rod end.</li> <li>● Faulty booster cover seal; leakage between housing and cover.</li> <li>● Faulty booster spool plug seal.</li> <li>● Internal leakage in booster.</li> <li>● Contamination in power steering fluid.</li> <li>● Incorrect routing of hydraulic lines.</li> </ul> <p><b>Power Steering Pump Noisy on Brake Application</b></p> <ul style="list-style-type: none"> <li>● Insufficient fluid in reservoir.</li> </ul> <p><b>Brake Pedal Pulls Down on Engine Start</b></p> <ul style="list-style-type: none"> <li>● Restriction in gear or booster return lines.</li> </ul>	<p><b>Accumulator Leakdown — System Does Not Hold Charge</b></p> <ul style="list-style-type: none"> <li>● External leakage at accumulator.</li> <li>● Internal leakage at accumulator.</li> <li>● Internal leakage at booster accumulator valve.</li> </ul> <p><b>Brake Grab on Application</b></p> <ul style="list-style-type: none"> <li>● Broken spool return spring.</li> <li>● Faulty spool action due to contamination.</li> </ul> <p><b>Booster Chatter — Pedal Vibrates</b></p> <ul style="list-style-type: none"> <li>● Power steering pump belt slipping.</li> <li>● Low fluid level in pump reservoir.</li> <li>● Air in system.</li> </ul> <p><b>Slow Brake Pedal Return</b></p> <ul style="list-style-type: none"> <li>● Excessive seal friction in booster.</li> <li>● Faulty spool action.</li> <li>● Broken piston return spring.</li> <li>● Restriction in return line from booster to pump reservoir.</li> <li>● Broken spool return spring.</li> <li>● Excessive pedal pivot friction.</li> </ul>