

Trouble Shooting

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