

- Brakes wet.

Troubleshooting brakes is brakes is a difficult task to cover in a catalog. Briefly listed below are some possible causes of brake trouble. This reference guide to troubleshooting may help you narrow the section of your braking system which is causing your problems. Don't forget sometimes there can be multiple problems in a braking system. Be thorough and recheck each area.

area.			
Problem	Possible Cause	Problem	Possible Cause
* Low pedal-will pump up	<ul><li>Rotor Runout.</li><li>Loose wheel bearings.</li><li>Air in hydraulic system.</li><li>Drum brakes out of adjustment.</li></ul>	*Pedal effort too high	-Master cylinder too largePedal ratio too lowLinings too hardRacing linings too cold.
* Low pedal won't pump up	<ul> <li>Bad seals in caliper.</li> <li>Badly worn pads.</li> <li>Rotor runout.</li> <li>Leak in hydraulic system.</li> <li>Loose wheel bearings.</li> <li>Excessive free-play in brake linkage.</li> </ul>		-Power-assist failureBrakes wetGlazed liningsOil or fluid on liningsDrum-brake-shoe arc. incorrectBrakes too hot.
* Changing brake pedal travel	<ul> <li>Balance bar too far off center.</li> <li>Slop in wheel bearing or suspension.</li> <li>Balance-bar failure.</li> <li>Balance bar too far off center.</li> </ul>	* Vibrating pedal	<ul> <li>-Excessive rotor runout or thickness variation.</li> <li>-Damaged wheel bearings.</li> <li>-Cracked drum or rotor.</li> <li>-Bent axle.</li> <li>-Drum warped or eccentric.</li> </ul>
* Spongy pedal	<ul><li>- Air in hydraulic system.</li><li>- Deflection of caliper or mount.</li><li>- Deflection of hoses.</li><li>- Brake fluid too hot.</li></ul>		-Brakes not releasingVented-rotor fins rusted out so side plates deflect under pressure.
	<ul> <li>Brake fidit too flot.</li> <li>Badly worn linings or pads.</li> <li>Concave or convex lining wear.</li> <li>Deflection of master cyl. mount.</li> <li>Master cylinder too small.</li> <li>Pedal ratio too high.</li> <li>Drum-brake-shoe arc incorrect.</li> <li>Distorted brake shoes or backing plate.</li> <li>Old brake fluid.</li> <li>Cracked brake drum.</li> </ul>	* Swerving under hard braking	-Front suspension bottomingToe-in adjustment wrongBump-steer problemsShock-absorber failureShock-absorber adjustment dissimilarBrake balance way offCaster or camber unevenChassis or suspension twistedWorn steering or suspension pivotsTire sizes dissimilar.
* Brake pedal not returning	<ul><li>- Master-cylinder reservoir not vented.</li><li>- No clearance in brake pushrod.</li><li>- Binding in pedal pivots or pushrod.</li></ul>	* Pedal goes to	-Excess front-wheel scrub radius.  - Air in hydraulic system.  - Leaking seal in master
* Front or rear brakes locking	<ul><li>Too much front or rear brake balance.</li><li>Failure in opposite brake system.</li><li>Caliper piston seizing in cylinder.</li></ul>	floor	cylinder.  - Leak in hose or tube.  - Leak in caliper or wheel cylinder.  - Tapered pad wear.
*One brake locking	<ul> <li>Wheel cylinder seizing.</li> <li>Bad brake-shoe return spring.</li> <li>Loose or distorted backing plate.</li> <li>Oil or fluid leak into brake.</li> <li>Loose caliper mount.</li> <li>Excessive weight on other wheel.</li> <li>Twist in car chassis or suspension.</li> <li>Mismatched rotors, linings or drums.</li> </ul>	* Brakes grab or lock	<ul> <li>Drum brake not adjusting.</li> <li>Electric current passing through fluid.</li> <li>Drum-brake-shoe arc incorrect.</li> <li>Loose or distorted backing plate.</li> <li>Contaminated linings.</li> <li>Brakes wet.</li> <li>Racing linings too cold.</li> <li>Failed brake-shoe return spring.</li> </ul>
*Pedal effort too low	<ul> <li>Master cylinder too small.</li> <li>Pedal ratio too high.</li> <li>Too much servo action on drum brakes.</li> <li>Linings too soft.</li> <li>Too much power assist.</li> <li>Defective booster.</li> </ul>	* Brakes not releasing	<ul> <li>- Drum-brake linings burned up.</li> <li>- Blocked master-cylinder port.</li> <li>- Binding pedal pivots.</li> <li>- No free play in pushrod.</li> <li>- Seized caliper or wheel cylinder.</li> <li>- Aged or overheated caliper seals.</li> <li>- Swollen seals-incorrect fluid.</li> </ul>
* Brakes squeal	<ul> <li>Wear in brake shoes or attachments.</li> <li>Worn pads.</li> <li>Cold linings.</li> <li>Need new brake-pad anti-squeal shims.</li> <li>Need anti-squeal compound behind pads.</li> <li>Need to chamfer ends of linings.</li> <li>Brakes wet</li> </ul>		<ul> <li>Caliper slides corroded and stuck.</li> <li>Heal drag on cup-type seals.</li> <li>Parking brake on or misadjusted.</li> <li>Power booster faulty.</li> <li>Distorted shoes or backing plate.</li> </ul>