

CAUSES	SYMPTOM														DIAGNOSTIC SECTION								
	Improper Brake Pedal Travel	Brake Pedal Travel Gradually (Increases)	Excessive Brake Pedal Effort	Excessive Braking Action	Brakes Slow to Respond	Brakes Slow to Release	Brakes Drag	Uneven Braking Action (Side to Side)	Uneven Braking Action (Front to Rear)	Scraping Noise from Brakes	Brakes Squeak Without Application	Brakes Squeak During Stop	Brakes Chatter (Roughness)	Brakes Groan at End of Stop		"Brake" Warning Lamp "On"	Premature Lining Wearout	Parking Brake Won't Hold	Parking Brake Won't Release	Brake Pulsation	Brake Pulls		
Leaking Brake Line or Conn.	X	XX						X						XX	X							5	
Leaking Piston Seal	X	XX						X						X									5B
Leaking Master Cylinder (Internal)	X	XX						X						X									5A
Air in Brake System	XX				X			X						XX									5
Contaminated or Improper Brake Fluid	X				X	X	X	X	X					X									5
Leaking Vac. or Booster Sys.	XX		XX		X																		5D1
Restricted Passage in Vacuum Booster		X	X		XX	X																	5D1
Damaged Vacuum Booster	X	X	X	X	X	XX																	5D1
Worn Out Brake Lining			X	X				X	X	X	X	X					X				X		5B,5C
Uneven Brake Lining Wear	X			X				X	X	X	X	XX					X				X		5B,5C
Glazed Brake Lining			XX		X			X	X	X	X	X											5B,5C
Incorrect Lining Material			X	X				X	XX	X	X	X	X	X	X	XX	X	X	X	X	X	X	5B,5C
Contaminated Brake Lining			X					XX	XX	X	X	X		X			X			X	X		5B,5C
Lining Damaged by Abusive Use	X		X	XX			X	X	X	X	X	X		X			X	X		X	X		5B,5C
Improper Rotor Surface Finish			XX	X				X	X								X				X		5B,5C
Scored Rotor				X				X	X		X	X	XX							X	X		5B
Improper Thickness Variation in Rotor	X													XX						XX			5B
Excessive Lateral Run-out in Rotor	X							X						X						X			5B
Brake Asm. Attachments Loose (Incl. Splash Shield)	X			X			X	X	X	X			X	X									5B
Restricted Brake Fluid Passage		X	X		X	X	X	X	X												X		5
Improperly Adj. Stoplamp Switch or Cruise Control Vacuum Dump	X							XX				X				XX							5
Brake Pedal Linkage Interference or Binding			X		X	XX	XX									X							5
Incorrect Vacuum Booster Pushrod Length	X							XX				X				X							5D1
Incorrect Front Wheel Align.									XX													XX	3A
Incorrect Tire Pressure									X													X	3A
Loose Front Suspension Parts								X	X		XX		X								X	X	3C
Out-of-balance Wheel Assm.													XX								X		3E
Operator Riding Brake Pedal			X					X								X							5B
Sticking Caliper or Caliper Pistons					X	X	XX	X	X		X					X	X	X		X			5B
Park. Brake Switch Ckt. Gnd.															XX								8A
Park. Brake Not Releasing					X	X	X							XX	X								5F
Low Brake Fluid	X													X									5
Caliper to Knuckle Clearance					X	X	X				X					X					X		5B
Improper Rear Brake Adj.	XX							X		X						X							5F
Low Engine Vacuum	XX		X		X																		5
Excessive Vehicle Loading			X						XX		X					X							
Improperly Torqued Wheel Nuts													X								X		3E
Poor Drum Surface Finish				X									X								X		5C
Parking Brake Cables Seized								X								X	XX	XX					5F
Rotor Corroded			X					X		X			X							XX	X		5
Grease/Dirt on Rotor													X	XX									5
ABS Modulator RR Piston Seized			X						X							X							5E1

XX - INDICATES MORE PROBABLE CAUSE(S) X - INDICATES OTHER CAUSE(S)

RC0001-5-F-RP

Figure 1 - Brake System Diagnosis