

DIAGNOSIS AND TESTING (Continued)

**PINPOINT TEST F:
MASTER CYLINDER DIAGNOSIS—
REAR BRAKE LOCKUP DURING LIGHT BRAKE PEDAL FORCE (Continued)**

TEST STEP		RESULT	ACTION TO TAKE
F3	BRAKE PAD INSPECTION		
	<ul style="list-style-type: none"> Inspect brake pads for grease or fluid on linings and/or wear concerns. Are there concerns? 	Yes No	GO to F4. REPLACE if necessary. REPEAT Test F1.
F4	PRESSURE CONTROL VALVE TEST—RH REAR		
	<ul style="list-style-type: none"> Install pressure gauges in the LH front and RH rear bleeder screws. Apply 6895 kPa (1000 psi) in front brake system. The rear brake pressure must be between 4692-5164 kPa (680-750 psi). Is rear brake pressure between 4692-5164 kPa (680-750 psi)? 	Yes No	INSPECT parking brake and ADJUST as required. REPLACE RH rear valve.
F5	PRESSURE CONTROL VALVE TEST—LH REAR		
	<ul style="list-style-type: none"> Install pressure gauges in RH front and LH rear bleeder screws. Apply 6895 kPa (1000 psi) in front brake system. The rear brake pressure must be between 3964-4343 kPa (575-630 psi). Is rear brake pressure between 3964-4343 kPa (575-630 psi)? 	Yes No	INSPECT parking brake and ADJUST as required. REPLACE LH rear valve.

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**PINPOINT TEST G:
MASTER CYLINDER DIAGNOSIS—
EXCESSIVE AND / OR ERRATIC PEDAL TRAVEL**

TEST STEP		RESULT	ACTION TO TAKE
G1	ROUGH ROAD TEST		
	<ul style="list-style-type: none"> Road test vehicle under rough road conditions. Apply brakes slowly. Are brakes good? 	Yes No	Vehicle OK. GO to G2.
G2	WHEEL BEARING CHECK		
	<ul style="list-style-type: none"> Check for loose wheel bearings. Are wheel bearings loose? 	No Yes	CHECK rotor for thickness variances. (REFER to Section 06-03 for front disc overhaul procedures). REPLACE wheel bearing if damaged. TIGHTEN wheel bearing assembly to specification. REPEAT Test G1.

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**PINPOINT TEST H:
MASTER CYLINDER DIAGNOSIS—
BRAKE WARNING LAMP ON**

TEST STEP		RESULT	ACTION TO TAKE
H1	BRAKE FLUID LEVEL		
	<ul style="list-style-type: none"> Check master cylinder brake fluid reservoir level. Is fluid level good? 	Yes No	GO to H3. GO to H2.
H2	BRAKE SYSTEM LEAKAGE		
	<ul style="list-style-type: none"> Check reservoir sealing points and external brake system for leakage. (Refer to Diagnostic Techniques No. 1 and 3). Does system leak? 	No Yes	FILL reservoir. GO to H3. SERVICE as necessary, ADD fluid and BLEED system.