

DIAGNOSIS AND TESTING (Continued)

DIAGNOSIS INDEX (Cont'd)

Description	Pinpoint Test
Vacuum Brake Booster Diagnosis	
Excessive Brake Pedal Effort or Vacuum Leaks	J
Vacuum Brake Booster Noise	K
Slow or Incomplete Brake Pedal Return	L

TH5165C

PINPOINT TEST A: VIBRATION WHEN BRAKES ARE APPLIED

TEST STEP	RESULT	ACTION TO TAKE
A1 VERIFY CONDITION		
<ul style="list-style-type: none"> Road test vehicle without applying brakes 40-80 km/h (25-50 mph). Is a vibration present? 	No Yes	<ul style="list-style-type: none"> GO to A2. REFER to Section 00-04 to service this condition first. REPEAT Step.
A2 REAR BRAKE VIBRATION		
<ul style="list-style-type: none"> Road test vehicle with medium application on the parking brake only. <p>NOTE: With manual release parking brake control, hold the parking brake release in release position during parking brake application.</p> <ul style="list-style-type: none"> Was a vibration present? 	No Yes	<ul style="list-style-type: none"> GO to A3. CHECK rear discs for excessive wear or runout. REFER to Section 06-04 for rear disc brake procedures.
A3 FRONT BRAKE VIBRATION		
<ul style="list-style-type: none"> Road test vehicle with light and medium application on the pedal. Was a vibration present? 	No Yes	<ul style="list-style-type: none"> Vehicle OK. CHECK front rotors for excessive runout or cracks. REFER to Section 06-03 for disc brake rotor procedures. REPEAT Step A3.

TH7813B

PINPOINT TEST B:
MASTER CYLINDER DIAGNOSIS
PEDAL GOES DOWN FAST

TEST STEP	RESULT	ACTION TO TAKE
B1 VERIFY CONDITION		
<ul style="list-style-type: none"> Road test vehicle and depress brake pedal. Was pedal effort normal? 	Yes No	<ul style="list-style-type: none"> Vehicle OK. GO to B2.
B2 BRAKE FLUID LEVEL		
<ul style="list-style-type: none"> Check master cylinder brake fluid reservoir level. Is fluid level acceptable? 	Yes No	<ul style="list-style-type: none"> GO to B3. CHECK reservoir sealing points (use Diagnostic Technique No. 3), ADD fluid and BLEED system. REPEAT Test B1.
B3 PRESSURIZE SYSTEM		
<ul style="list-style-type: none"> Pump brake pedal rapidly (five times). 	<ul style="list-style-type: none"> Pedal height builds up, then sinks Pedal height builds up and holds 	<ul style="list-style-type: none"> GO to B4. CHECK rear brake adjustment and ADJUST if necessary. If condition still exists, BLEED system for air. REPEAT Test B1.