

Diagnosis and Testing

Brake System

Symptom Chart(s)

Symptom Chart: Brake System

Diagnostics in this manual assume a certain skill level and knowledge of Ford-specific diagnostic practices.
REFER to: Diagnostic Methods (100-00 General Information, Description and Operation).

Condition	Possible Sources	Actions
The red brake warning indicator and the yellow ABS warning indicator are illuminated	Diagnostic Trouble Codes (DTCs) in the ABS	CHECK for ABS diagnostic trouble codes (DTCs). REFER to: Anti-Lock Brake System (ABS) and Stability Control (206-09 Anti-Lock Brake System (ABS) and Stability Control, Diagnosis and Testing).
The red brake warning indicator is always/never on	• Brake fluid level switch • Parking brake switch • Wiring, terminals or connectors • IPC • BCM	REFER to: Instrumentation, Message Center and Warning Chimes (413-01 Instrumentation, Message Center and Warning Chimes, Diagnosis and Testing).
Vehicle pulls or drifts during braking	• Brake calipers and/or guide pins • Brake flexible hose • Brake pads • Brake discs	INSPECT the brake system components. INSTALL new components as necessary.
	Tires	REFER to: Wheels and Tires (204-04A Wheels and Tires, Diagnosis and Testing).
	Suspension component(s) and/or wheel alignment	REFER to: Suspension System (204-00 Suspension System - General Information, Diagnosis and Testing).
Brake pedal goes down fast or eases down slowly	Brake fluid leaks and/or air in the system	INSPECT the system for leaks. REPAIR as necessary. BLEED the system. REFER to: Brake System Pressure Bleeding (206-00 Brake System - General Information, General Procedures).
	ABS/ HCU	REFER to: Anti-Lock Brake System (ABS) and Stability Control (206-09 Anti-Lock Brake System (ABS) and Stability Control, Diagnosis and Testing).
Brakes lock up under light brake pedal force	• Brake pads • Brake flexible hose • Brake discs • Brake calipers and/or guide pins	INSPECT the brake system components. INSTALL new components as necessary.
	ABS / HCU	REFER to: Anti-Lock Brake System (ABS) and Stability Control (206-09 Anti-Lock Brake System (ABS) and Stability Control, Diagnosis and Testing).