

BRAKE SYSTEM

PRECAUTION

- Take extra care to replace each part properly. Improper installation or repair could affect the performance of the brake system and cause a driving hazard.
- It is very important to keep the brake system parts and the work area clean when repairing the brake system.
- If the vehicle is equipped with a mobile communication system, refer to the precautions in the INTRODUCTION section.

PROBLEM SYMPTOMS TABLE

HINT:

Use the table below to help determine the cause of the problem symptom. The potential causes of the symptoms are listed in order of probability in the "Suspected Area" column of the table. Check each symptom by checking the suspected areas in the order they are listed. Replace parts as necessary.

Brake system

Symptom	Suspected area	See page
Low pedal or spongy pedal	1. Fluid leaks in brake system	-
	2. Air in brake system	BR-3
	3. Piston seals (worn or damaged)	BR-25
	4. Wheel cylinder cup (worn or damaged)	BR-33
	5. Rear brake shoe clearance (adjustment necessary)	BR-38
	6. Brake master cylinder (faulty)	BR-12
	7. Booster push rod (adjustment necessary)	BR-13
Brake drag	1. Brake pedal free play (minimal)	BR-9
	2. Parking brake lever travel (adjustment necessary)	PB-1
	3. Parking brake wire (stuck)	PB-5
	4. Rear brake shoe clearance (adjustment necessary)	BR-38
	5. Pad (cracked or distorted)	BR-26
	6. Lining (cracked or distorted)	BR-33
	7. Piston, for front (stuck or frozen)	BR-25
	8. Piston, for rear (stuck or frozen)	BR-33
	9. Tension or return spring (faulty)	BR-31
	10. Booster push rod (adjustment necessary)	BR-13
	11. Vacuum leaks in booster system	BR-18
Brake pull	1. Piston, for front (stuck or frozen)	BR-25
	2. Piston, for rear (stuck or frozen)	BR-33
	3. Pad (oily, cracked or distorted)	BR-26
	4. Lining (oily, cracked or distorted)	BR-33
	5. Disc (scored)	BR-26
Brake pedal is depressed firmly but brake is insufficient	1. Fluid leaks in brake system	-
	2. Air in brake system	BR-3
	3. Pad (worn, cracked, distorted, oily or glazed)	BR-26
	4. Lining (worn, cracked, distorted, oily or glazed)	BR-33
	5. Rear brake shoe clearance (adjustment necessary)	BR-38
	6. Disc (scored)	BR-26
	7. Booster push rod (adjustment necessary)	BR-13
	8. Vacuum leaks in booster system	BR-18
Noise from brakes	1. Pad (cracked, distorted, dirty or glazed)	BR-26
	2. Lining (cracked, distorted, dirty or glazed)	BR-33
	3. Installation bolt (loose)	BR-23
	4. Disc (scored)	BR-26
	5. Pad support plate (loose)	BR-23
	6. Sliding pin (worn)	BR-23
	7. Anchor, return or tension spring (faulty)	BR-31
	8. Anti squeal shim (damaged)	BR-23
	9. Shoe hold down spring (damaged)	BR-31