
BRAKE SYSTEM

PRECAUTION

1. Necessary care must be taken to replace each part properly as it could affect the brake system performance. This could cause driving hazards. Replace each part with an identical part with the same number.
2. It is very important to keep parts and the area clean when repairing the brake system.
3. 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 you find the cause of the problem. The numbers indicate the ranked order of probability of each of the possible causes. Check each part in the order suggested. If necessary, replace these applicable parts.

Symptom	Suspected area	See page
Low pedal or spongy pedal	1. Fluid leakage in brake system	-
	2. Air in brake system (w/ VSC)	BR-4
	3. Air in brake system (w/o VSC)	BR-7
	4. Piston seal (Worn or damaged) (2WD)	BR-57
	5. Piston seal (Worn or damaged) (4WD and Pre-Runner)	BR-63
	6. Cylinder cup	BR-69
	7. Rear brake (Shoe clearance out of adjustment)	BR-74
	8. Brake master cylinder (Faulty) (w/o VSC)	BR-21
	9. Hydraulic brake booster (Faulty) (w/ VSC)	BR-44
	10. Booster push rod (Out of adjustment)	BR-21
Brake drag	1. Brake pedal free play (Minimum)	BR-14
	2. Parking brake pedal travel (Out of adjustment)	PB-1
	3. Parking brake lever travel (Out of adjustment)	PB-1
	4. Parking brake wire (Sticking)	PB-18
	5. Rear brake (Shoe clearance out of adjustment)	BR-74
	6. Pad (Cracked or distorted) (2WD)	BR-57
	7. Pad (Cracked or distorted) (4WD and Pre-Runner)	BR-64
	8. Brake shoe (Cracked or distorted)	BR-70
	9. Front disc brake piston (Stuck) (2WD)	BR-57
	10. Front Disc brake piston (Stuck) (4WD and Pre-Runner)	BR-63
	11. Piston (Stuck)	BR-69
	12. Front disc brake piston (Frozen) (2WD)	BR-57
	13. Front Disc brake piston (Frozen) (4WD and Pre-Runner)	BR-63
	14. Piston (Frozen)	BR-69
	15. Tension or return spring (Faulty)	BR-68
	16. Booster push rod (Out of adjustment)	BR-21
	17. Booster system (Vacuum leakage)	BR-26
	18. Brake master cylinder (Faulty) (w/o VSC)	BR-21
	19. Hydraulic brake booster (Faulty) (w/ VSC)	BR-44

Symptom	Suspected area	See page
Brake pull	1. Front disc brake piston (Stuck) (2WD)	BR-57
	2. Front Disc brake piston (Stuck) (4WD and Pre-Runner)	BR-63
	3. Piston (Stuck)	BR-69
	4. Pad (Oily) (2WD)	BR-57
	5. Pad (Oily) (4WD and Pre-Runner)	BR-64
	6. Brake shoe (Oily)	BR-70
	7. Front disc brake piston (Frozen) (2WD)	BR-57
	8. Front Disc brake piston (Frozen) (4WD and Pre-Runner)	BR-63
	9. Piston (Frozen)	BR-69
	10. Front disc (Scored) (2WD)	BR-58
	11. Front disc (Scored) (4WD and Pre-Runner)	BR-65
	12. Pad (Cracked or distorted) (2WD)	BR-57
	13. Pad (Cracked or distorted) (4WD and Pre-Runner)	BR-64
	14. Brake shoe (Cracked or distorted)	BR-70
Firm pedal but braking inefficient	1. Fluid leakage in brake system	-
	2. Air in brake system (w/ VSC)	BR-4
	3. Air in brake system (w/o VSC)	BR-7
	4. Pad (Worn) (2WD)	BR-57
	5. Pad (Worn) (4WD and Pre-Runner)	BR-64
	6. Brake shoe (Worn)	BR-70
	7. Pad (Cracked or distorted) (2WD)	BR-57
	8. Pad (Cracked or distorted) (4WD and Pre-Runner)	BR-64
	9. Brake shoe (Cracked or distorted)	BR-70
	10. Rear brake (Shoe clearance out of adjustment)	BR-74
	11. Pad (Oily) (2WD)	BR-57
	12. Pad (Oily) (4WD and Pre-Runner)	BR-64
	13. Brake shoe (Oily)	BR-70
	14. Pad (Glazed) (2WD)	BR-57
	15. Pad (Glazed) (4WD and Pre-Runner)	BR-64
	16. Brake shoe (Glazed)	BR-70
17. Front disc (Scored) (2WD)	BR-58	
18. Front disc (Scored) (4WD and Pre-Runner)	BR-65	
19. Booster push rod (Out of adjustment)	BR-21	
20. Booster system (Vacuum leakage)	BR-26	

Symptom	Suspected area	See page
Noise from brakes	1. Pad (Cracked or distorted) (2WD)	BR-57
	2. Pad (Cracked or distorted) (4WD and Pre-Runner)	BR-64
	3. Brake shoe (Cracked or distorted)	BR-70
	4. Installation bolt (Loose) (2WD)	BR-58
	5. Installation bolt (Loose) (4WD and Pre-Runner)	BR-64
	6. Front disc (Scored) (2WD)	BR-58
	7. Front disc (Scored) (4WD and Pre-Runner)	BR-65
	8. Pad support plate (Loose)	BR-55
	9. Sliding pin (Worn)	BR-55
	10. Pad (Dirty) (2WD)	BR-57
	11. Pad (Dirty) (4WD and Pre-Runner)	BR-64
	12. Brake shoe (Dirty)	BR-70
	13. Pad (Glazed) (2WD)	BR-57
	14. Pad (Glazed) (4WD and Pre-Runner)	BR-64
	15. Brake shoe (Glazed)	BR-70
	16. Tension or return spring (Faulty)	BR-68
	17. Anti-squeal shim (Damaged) (2WD)	BR-55
	18. Anti-squeal shim (Damaged) (4WD and Pre-Runner)	BR-62
	19. Shoe hold-down spring (Damaged)	BR-68
Noise from hydraulic brake booster (Abnormal pump motor operation noise)	1. Accumulator bracket clearance (Out of adjustment)	BR-44
Brake warning light illuminates (Parking brake pedal (lever) released)	1. Brake fluid level	-
	2. Brake master cylinder power supply system (Faulty)	BR-33
Brake warning light illuminates and skid control buzzer sounds	1. Brake master cylinder power supply system (Faulty)	BR-33
ABS warning light illuminates	1. Anti-lock brake system (Faulty)	-
	2. Brake master cylinder power supply system (Faulty)	BR-33