

## 16. General Diagnostic Table

### A: INSPECTION

	Trouble and possible cause	Corrective action
<b>1. Insufficient braking</b>	(1) Fluid leakage from the hydraulic mechanism	Correct or replace. (cup, piston seal, piston boot, master cylinder piston kit, pipe or hose)
	(2) Entry of air into the hydraulic mechanism	Bleed air.
	(3) Wear, deteriorated surface material, adhering water or fluid on the lining	Replace, grind or clean.
	(4) Improper operation of master cylinder, disc caliper, brake booster or check valve	Correct or replace.
<b>2. Unstable or uneven braking</b>	(1) Fluid on the lining or rotor	Eliminate cause of fluid leakage, and clean or replace.
	(2) Rotor eccentricity	Correct or replace the rotor.
	(3) Improper lining contact, deteriorated surface material, improper inferior material, or wear	Correct by grinding, or replace.
	(4) Deformed back plate	Rectify or replace.
	(5) Improper tire inflation	Adjust to correct pressure.
	(6) Disordered wheel alignment	Adjust alignment.
	(7) Loosened back plate or the support installing bolts	Retighten to specified torque.
	(8) Faulty wheel bearing	Replace.
	(9) Trouble in hydraulic system	Replace the cylinder, brake pipe or hose.
	(10) Uneven effect of the parking brake	Check, adjust, or replace the rear brake and cable system.
<b>3. Excessive pedal stroke</b>	(1) Entry of air into the hydraulic mechanism	Bleed air.
	(2) Excessive play in the master cylinder push rod	Adjust.
	(3) Fluid leakage from the hydraulic mechanism	Correct or replace. (cup, piston seal, piston boot, master cylinder piston kit, pipe or hose)
	(4) Improper lining contact or worn lining	Correct or replace.
<b>4. Brake dragging or improper brake return</b>	(1) Insufficient pedal play	Adjust play.
	(2) Improper master cylinder return	Clean or replace the cylinder.
	(3) Clogged hydraulic system	Replace.
	(4) Improper return or adjustment of parking brake	Correct or adjust.
	(5) Weakened spring tension or breakage of shoe return spring	Replace the spring.
	(6) Improper disc caliper operation	Correct or replace.
	(7) Faulty wheel bearing	Replace.
<b>5. Brake noise (1) (creak sound)</b>	(1) Hardened or deteriorated brake pad	Replace the pad.
	(2) Worn brake pad	Replace the pad.
	(3) Loosened back plate or the support installing bolts	Retighten to specified torque.
	(4) Loose wheel bearing	Retighten to specified torque.
	(5) Dirty rotor	Clean the rotor, or clean and replace brake assembly.
<b>6. Brake noise (2) (hissing sound)</b>	(1) Worn brake pad	Replace the pad.
	(2) Improper installed pad	Correct or replace the pad.
	(3) Loose or bent rotor	Retighten or replace.
<b>7. Brake noise (3) (click sound)</b>	Excessively worn pad or the support	Replace the pad or the support.