

# 16. BRAKE SYSTEM

SERVICE INFORMATION	16-1	REAR MASTER CYLINDER	16-12
TROUBLESHOOTING	16-2	FRONT BRAKE CALIPER	16-16
BRAKE FLUID REPLACEMENT/ AIR BLEEDING	16-3	REAR BRAKE CALIPER	16-19
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## SERVICE INFORMATION

### GENERAL

Keep grease off of brake pads and disc.

#### ▲ WARNING

**A contaminated brake disc or pad reduces stopping power. Discard contaminated pads and clean a contaminated disc with a high quality brake degreasing agent.**

- Never allow contaminants (dirt, water, etc.) to get into an open reservoir.
- Once the hydraulic system has been opened, or if the brake feels spongy, the system must be bled.
- Always use fresh DOT 3 or 4 brake fluid from a sealed container when servicing the system. Do not mix different types of fluid they may not be compatible.

#### CAUTION:

**Spilled brake fluid will severely damage instrument lenses and painted surfaces. It is also harmful to some rubber parts.**  
**Be careful whenever you remove the reservoir cap; make sure the front reservoir is horizontal first.**

- Always check brake operation before riding the motorcycle.

## SPECIFICATIONS

Unit: mm (in)

ITEM		STANDARD	SERVICE LIMIT
Front	Specified brake fluid	DOT 3 or DOT 4	—
	Brake pad wear indicator	—	To groove
	Brake disc thickness	3.8 – 4.2 (0.15 – 0.17)	3.0 (0.12)
	Brake disc runout	—	0.1 (0.004)
	Master cylinder I.D.	12.700 – 12.743 (0.5000 – 0.5017)	12.755 (0.5022)
	Master piston O.D.	12.657 – 12.684 (0.4983 – 0.4994)	12.640 (0.4976)
	Caliper cylinder I.D.	25.400 – 25.405 (1.0000 – 1.0002)	25.450 (1.0020)
	Caliper piston O.D.	25.318 – 25.368 (0.9968 – 0.9987)	25.300 (0.9960)
Rear	Specified brake fluid	DOT 3 or DOT 4	—
	Brake pad wear indicator	—	To groove
	Brake disc thickness	3.8 – 4.2 (0.15 – 0.17)	3.0 (0.12)
	Brake disc runout	—	0.1 (0.004)
	Master cylinder I.D.	12.700 – 12.743 (0.5000 – 0.5017)	12.755 (0.5022)
	Master piston O.D.	12.657 – 12.684 (0.4983 – 0.4994)	12.645 (0.4978)
	Caliper cylinder I.D.	32.030 – 32.080 (1.2610 – 1.2630)	32.090 (1.2634)
	Caliper piston O.D.	31.948 – 31.998 (1.2578 – 1.2598)	31.94 (1.257)