

# 14. HYDRAULIC BRAKES

<b>SERVICE INFORMATION</b>	<b>14-1</b>	<b>FRONT CALIPER</b>	<b>14-11</b>
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<b>BRAKE FLUID REPLACEMENT/ BLEEDING</b>	<b>14-3</b>	<b>FRONT MASTER CYLINDER</b>	<b>14-19</b>
<b>BRAKE PAD REPLACEMENT</b>	<b>14-6</b>	<b>REAR MASTER CYLINDER</b>	<b>14-21</b>
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## SERVICE INFORMATION

### GENERAL

- The front and rear brakes can be removed without disconnecting the hydraulic system.
- Once the hydraulic systems have been opened, or if the brakes feel spongy, the system must be bled.
- Do not allow foreign material to enter the system when filling the reservoir.
- Brake fluid will damage painted, plastic, and rubber parts. Whenever handling brake fluid, protect the painted, plastic, and rubber parts by covering them with a rag. If fluid does get on these parts, wipe it off with a clean cloth.
- Always check brake operation before riding the ATC.

### SPECIFICATIONS

ITEM		STANDARD	SERVICE LIMIT
Front disc	Thickness	3.8–4.2 mm (0.15–0.17 in)	3.0 mm (0.12 in)
	Runout	—	0.30 mm (0.012 in)
Front master cylinder	Cylinder I.D.	12.700–12.743 mm (0.5000–0.5017 in)	12.755 mm (0.5022 in)
	Piston O.D.	12.657–12.684 mm (0.4983–0.4994 in)	12.645 mm (0.4978 in)
Front caliper	Piston O.D.	25.300–25.350 mm (0.9960–0.9980 in)	25.30 mm (0.996 in)
	Cylinder I.D.	25.400–25.450 mm (1.0000–1.0020 in)	25.46 mm (1.002 in)
Rear disc	Thickness	3.8–4.2 mm (0.15–0.17 in)	3.0 mm (0.12 in)
	Runout	—	0.30 mm (0.012 in)
Rear master cylinder	Cylinder I.D.	12.700–12.743 mm (0.5000–0.5017 in)	12.755 mm (0.5022 in)
	Piston O.D.	12.657–12.684 mm (0.4983–0.4994 in)	12.645 mm (0.4978 in)
Rear caliper	Cylinder I.D.	33.960–34.010 mm (1.3370–1.3390 in)	34.020 mm (1.3394 in)
	Piston O.D.	33.878–33.928 mm (1.3338–1.3357 in)	33.870 mm (1.3335 in)