

ASSEMBLY

FASTENER	TORQUE VALUE	
Brake caliper, front, bridge bolt	14.5-18.0 ft-lbs	19.6-24.5 Nm
Brake caliper bleeder screw	35-61 in-lbs	4.0-6.9 Nm

- Lubricate the following parts using a light coat of G40W BRAKE GREASE. All other surfaces must be dry.
 - Nose radius of pistons.
 - All surfaces of piston seals and dust seals.

NOTES

- Damaged piston bores leak when reassembled. Do not use metal objects to remove or install objects in piston bores. Prevent damage to bores by only using a wooden toothpick when servicing calipers.
 - Pistons and bores differ slightly in diameter: one large and one small in each housing.
- See Figure 2-46. Install a new piston seal (5, 9) and a new dust seal (6, 8) into each piston bore.
 - Carefully insert pistons (4, 10) by hand, nose radius first, into caliper bores. If installation shows resistance, remove pistons. Check that seals are properly installed and fully seated in grooves. Press pistons completely into bores.
 - Install new crossover seal (7).
 - Install bridge bolts (11, 12).
 - Apply a drop of LOCTITE 565 THREAD SEALANT to the threads of the bridge bolts.
 - Assemble caliper housings. Secure with bridge bolts. Tighten to 14.5-18.0 ft-lbs (19.6-24.5 Nm).
 - Install bleeder screw on caliper housing if removed. Tighten to 35-61 in-lbs (4.0-6.9 Nm).

INSTALLATION

FASTENER	TORQUE VALUE	
Brake caliper, front, mounting bolts	28-38 ft-lbs	38.0-51.5 Nm
Brake caliper, front, banjo bolt	14-18 ft-lbs	19.0-24.4 Nm

- See Figure 2-47. Attach caliper to fork leg.
 - Place caliper over brake disc with bleeder screw facing upwards.

NOTE

ABS Models: Install wheel speed sensor cable retainer (2) when installing caliper to front fork.

- Install caliper mounting bolts (1). Tighten to 28-38 ft-lbs (38.0-51.5 Nm).

NOTICE

Avoid leakage. Be sure gaskets, banjo bolt(s), brake line and master cylinder bore are clean and undamaged before assembly. (06322a)

- Lubricate new steel/rubber washers (3) with DOT 4 BRAKE FLUID. Connect the brake line (5) to caliper using two new steel/rubber washers and banjo bolt (4). Tighten to 14-18 ft-lbs (19.0-24.4 Nm).

WARNING

When any hydraulic brake component, line or connection is loosened or replaced on an ABS motorcycle, Digital Technician II must be used during the brake bleeding procedure to verify all air is removed from the system. Failure to properly bleed the brake system could adversely affect braking, which could result in death or serious injury. (00585c)

- Bleed brake system. See 2.18 BLEEDING BRAKES.

NOTE

Avoid making hard stops for the first 100 miles (160 km). This break-in period allows the new pads to become conditioned to the brake discs.

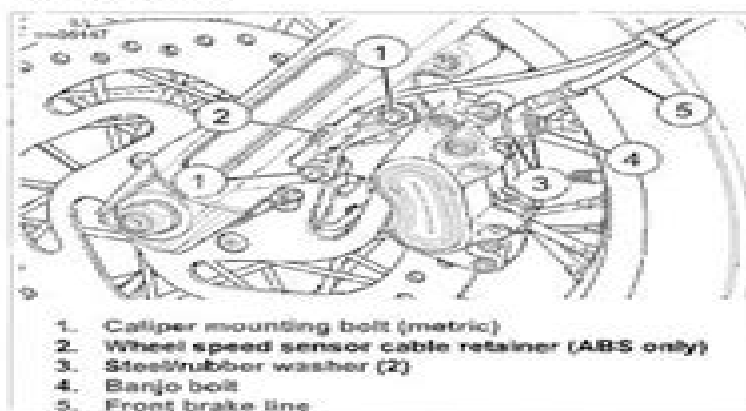


Figure 2-47. Front Brake Caliper

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