

Caliper

Pads

Inspect the pads for wear. If the surface of either pad is worn down through the red line, replace both pads as a set.

NOTE: 1. Use only Kawasaki parts for pad replacement.

2. If any oil is spilled on the pads, clean them with trichlorethylene or gasoline. If the oil cannot be thoroughly cleaned off, replace the pads.

Oil Seal

The oil seal around the piston maintains the proper pad/disc clearance. If this seal is bad, pad wear will increase, and constant pad drag on the disc will raise brake and brake fluid temperature.

Replace the oil seal under any of the following conditions: (a) oil leakage near pads; (b) brakes overheat; (c) there is a large difference in A and B pad wear; (d) the seal is stuck to the piston. Also replace the seal every other time the pads are changed.

Piston, Cylinder

Replace the cylinder or piston if it is worn out of tolerance, if it is badly scratched, or if rust has set in.

Seals

Check that the oil and dust seals and O rings are not cracked, worn, swollen or otherwise damaged. Replace as necessary.

Brake Line

The high pressure inside the brake line can cause oil to leak or the pipe to burst if the pipe is not properly maintained.

Bend and twist the rubber hose while examining it. Replace it if any cracks or bulges are noted.

The pipe is made of plated steel, so if the plating is scratched through it will rust. Check the pipe for badly scratched plating, rust, or cracking, especially at the fittings.

Disc

Measure disc thickness and replace the disc if it is worn out of tolerance.

Check runout (warp) as illustrated, replacing the disc if indicated. If the disc is warped it will cause the brake to drag and wear down the pads and disc, and overheat.

If there is any oil on the disc, clean it off with trichloroethylene or gasoline.

Table 36 Caliper Parts

| Model | Part | Standard | Service Limit |
|----------|-----------------------------|--|----------------------------|
| H1 H2 | Cylinder inside diameter | 1.5031 – 1.5039 inch (38.180 – 38.200 mm) | 1.5045 inch (38.215 mm) |
| | Piston outside diameter | 1.5006 – 1.5019 inch (38.180 – 38.200 mm) | 1.5002 inch (38.105 mm) |
| KH500 | Cylinder inside diameter | 1.6870 – 1.6890 inch (42.850 – 42.900 mm) | 1.690 inch (42.92 mm) |
| | Piston outside diameter | 1.6846 – 1.6858 inch (42.788 – 42.820 mm) | 1.683 inch (42.75 mm) |

Table 37 Disc

| Measurement | Standard | Service limit |
|-------------|--|------------------------|
| Thickness | 0.276 inch (6.9–7.1 mm) | 0.217 inch (6.0 mm) |
| Runout | less than 0.004 inch (less than 0.1 mm) | 0.012 inch (0.3 mm) |