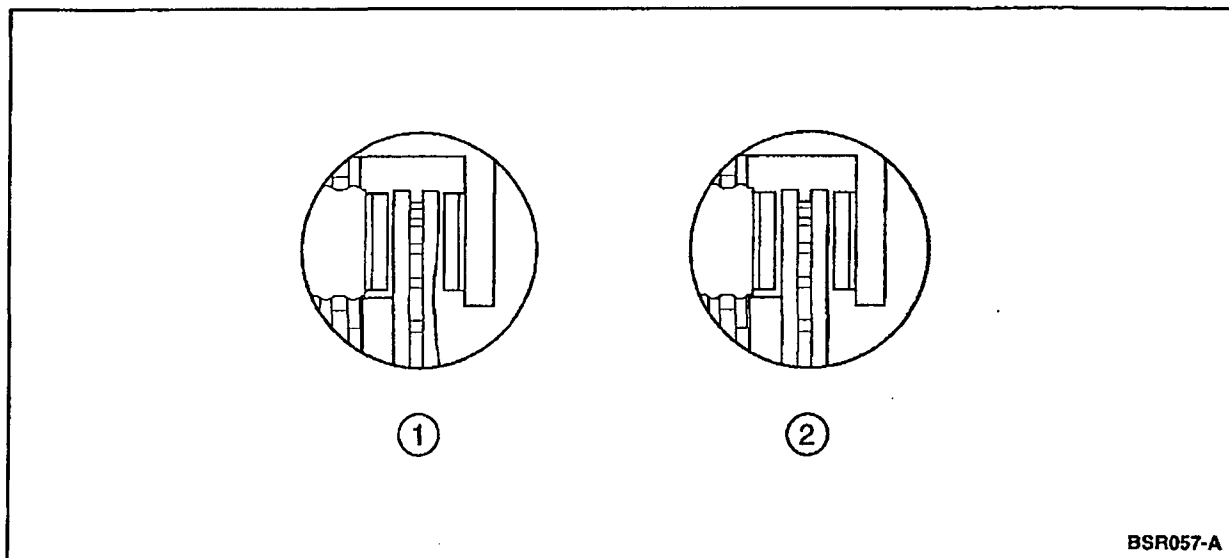


**Disc Thickness Variation****Disc Thickness Variation**

| Item | Description                         | Item | Description |
|------|-------------------------------------|------|-------------|
| 1    | Rotor with disc thickness variation | 2    | Good rotor  |

- Disc Thickness Variation (DTV) occurs when the rotor thickness is not the same all the way around the rotor.
- DTV can be caused by lateral runout.
- Lateral runout becomes DTV as the vehicle is driven down the road and the high spot on the rotor contacts the brake pad, even when the brakes are not applied.
- Eventually, the pad wears the high spot off, causing a thin spot to be worn into the rotor.
- A sticking caliper or pad movement can cause insufficient clearance between the pad and rotor, increasing the chances of DTV.
- When the brakes are applied, and a rotor has DTV, the thick and thin spots on the rotor cause the brake pads to move in and out.
- This in-and-out pad motion causes increases and decreases in brake system pressure, which the driver can feel in the brake pedal and the steering wheel.
- The condition gets worse as the rotor gets hot.