

	<b>TECHNICAL BULLETIN</b>	Series	MX-5 Cup
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**Subject: Miata MX-5 Cup Caliper Rebuild – General Maintenance**

- The attachment provides detailed instructions on the procedure for caliper service and rebuild.
- Rebuild kits are available from Mazda Motorsports, part number 0000-03-5416, which contain the following:
  - 05769143 – 38 mm pressure seal, Miata Gen4 OEM front (x4)
  - 20779904 – 38 mm dust boot, Miata Gen4 OEM front (x4)
  - 05281213 – Bleed screw, standard, total length approx. 29mm (1.1in). under hex head approx. 16mm (0.6in) (x2)
  - 05150220 – Cap for bleed screw (x2)
  - 98503240 – Instructions (same as those included with this bulletin) x 1

**Due to the increase in operating temperature, the calipers should be serviced after every race weekend for optimal performance and safety.**

- Other items for consideration
  - It is known that the calipers are operating at higher temperatures than what would be desired. This is the reason for the recommendation to rebuild calipers after each race weekend.
  - Use of temperature stickers on the calipers. A simple tool that will provide accurate running temperature of the caliper. These can be purchased through various racing parts distributors.
  - Use of thermal paint on the rotors can provide an approximate temperature range the brake system is functioning in.
  - Thermal paint information - The colors will change to white when exposed to temperature for roughly 30 seconds (or longer).
    - Green – 430C (806F)
    - Orange – 560C (1040F)
    - Red – 610C (1130F)