

Technical Bulletin

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Brake Caliper Fitment Guide (Handbrake Mechanism Type)

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PLEASE READ CAREFULLY BEFORE FITMENT

Blue Print brake calipers are supplied pre-set to fit with new brake pads and discs without adjustment. If disc or pad wear has taken place (or the piston is retracted during fitment), **MANUALLY ADJUST THE PISTON TO WITHIN 1MM OF THE PADS**. If the piston is forced to adjust further than 1mm using brake pedal pressure alone, the self-adjuster mechanism may not be able to keep up with a long piston movement and suffer permanent damage (preventing self adjustment during normal operation).



Type 1 - SCREW TYPE PISTON



Type 2 - MANUAL BOLT TYPE



Type 3 - FULLY SELF-ADJUSTING TYPE

REMEMBER — FINAL ADJUSTMENT

- 1) **DO NOT** OPERATE HANDBRAKE LEVER UNTIL THE CALIPER IS INSTALLED
- 2) **DO NOT** OVER-RETRACT THE PISTON INTO THE CALIPER - This may lock the adjuster
- 3) **DO** ADJUST THE CALIPER TO WITHIN 1MM OF THE PADS BEFORE OPERATING THE FOOT BRAKE To prevent adjuster damage.
 - Screw Type Piston (1) - Wind the piston OUT by turning the piston anticlockwise. The caliper may need to be swung clear of the disc each time to gain access to the slotted end on the piston.
 - Manual Bolt type (2) - Remove the capping bolt (A) and adjust the piston (B) to within 1mm using the hex bolt inside.
 - Self Adjusting Type (3) - As no manual adjustment is possible on this caliper, ensure attention is paid to point 4.
- 4) **ALWAYS** MAKE THE FINAL ADJUSTMENT USING LIGHT BRAKE PEDAL PRESSURE WHILE REPEATEDLY OPERATING THE HANDBRAKE LEVER
 - E.g. Depress the pedal with light foot pressure whilst operating the handbrake lever at least three times.

Caliper failures resulting from incorrect installation or adjustment will not be warranted by Blue Print.

Disclaimer : Any technical tips are produced in good faith. Blue Print, always recommend that vehicle maintenance and diagnostics are only carried out by suitably experienced people using appropriate tools in a safe manner within a workshop environment. Blue Print, and their customers cannot be held responsible for the correctness of, or misinterpretation of the above technical tips. Images shown are for illustrative purposes only and may not be representative of the products or vehicles described.



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