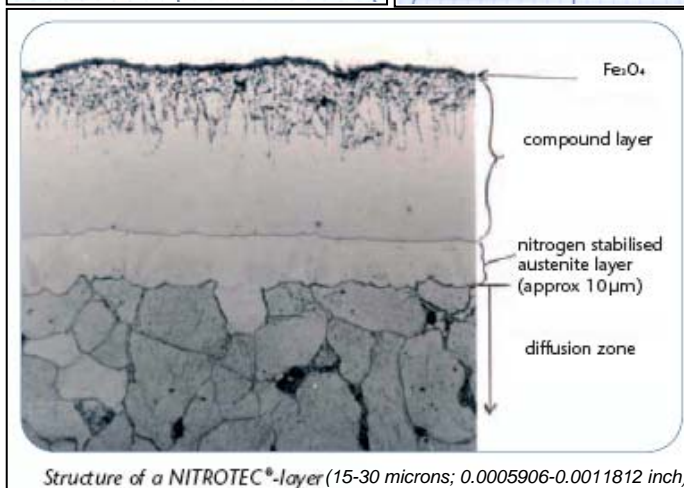
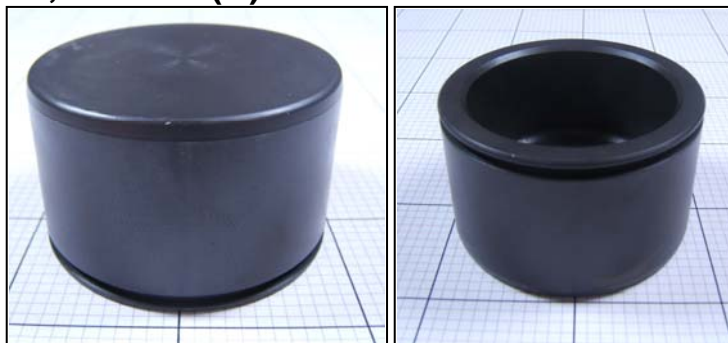


1 **Supplemental Information**
2 **for**
3 **021-163 or 17H4960 Piston, Brake Caliper**
4 **AH 3000 BN7, BT7, BJ7, BJ8 TO (C)26704**

5 **Black Pistons?**

6 The original brake caliper pistons were steel with a
7 hard chrome finish. Although they were very
8 durable, they eventually will rust and become pitted,
9 which is why replacement pistons are needed.

10
11 The manufacturer in England, a supplier of original
12 equipment braking systems and components, has
13 the pistons treated by Nitrotec. Nitrotec, the name of
14 the company and the process, stands for Nitriding
15 Oxidizing Protection. It is a patented industrial metal
16 surface treatment in which the outer layer of steel is
17 nitrocarburised, then oxidized, then quenched.
18 Nitrocarburising (a variation of the Nitriding process)
19 provides excellent wear and corrosion resistance.
20 The process occurs at temperatures of 540-740°C
21 (1000 -1360°F) in a chamber with a carefully
22 controlled levels of nitrogen and carbon. It builds up
23 a series of layers which combine to give the finish
24 the physical and chemical properties needed for a
25 specific application. The steel is hardened to a
26 degree that would not normally be possible without
27 going to much higher temperatures, which would
28 distort the precision machined piston. It is important
29 to note that this process actually penetrates the
30 surface of the steel - it is not a film sitting on top of
31 the surface.



32
33 When technology makes it possible to improve on original specifications, it is appropriate to do so. In the case
34 of these pistons, the black surface finish represents a significant improvement over hard chrome. These
35 pistons will provide years of trouble-free operation, significantly outlasting steel pistons with a hard chrome
36 finish.

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45 *Although every effort has been made to ensure the accuracy and clarity of this information, any suggestions that you may have that will
46 improve the information (especially detailed installation notes) are welcome. Please use the simple email form on the "Contact Us"
47 page on the Moss website: <http://www.mossmotors.com/AboutMoss/ContactUs.aspx>
If you prefer, you may call our Technical Services Department at 805-681-3411. So many people call us for help that we are often not
able to answer the calls as fast as we'd like, and you may be asked to leave a message. We apologize in advance for the
inconvenience. We will get back to you as quickly as we can, usually within 2-3 business days.*



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