SUPERIOR AIR PARTS, INC

# Service Letter

**Technical Aspects are FAA Approved**

**Number: L92-01 G**

**Replaces L92-01 F**

**Date:** 08/01/2005

**Subject:** Installation, operation and maintenance for SA10200 Cylinder Power Assemblies.

**Application:**

| CYLINDER STUD ASSY | ENGINE APPLICATIONS | CYLINDER POWER ASSY |
|---|---|---|
| SA10200-A1 | O-200-A, B<br>C-145-2, 2H<br>O-300-A, B, C, D | SA10200-A20P<br>(Piston P/N SA530348) |
| SA10200-A1 | C75-8, 12, 14, 16, 8F, 12F, 14F, 16F<br>C85-8, 12, 14, 16, 8F, 12F, 14F, 16F<br>C-125-2 | SA10200-A21P<br>(Piston P/N 654841) |
| SA10200-A1 | C90-8, 12, 14, 16, 8F, 12F, 14F, 16F | SA10200-A22P<br>(Piston P/N SA530348) |

***NOTE**: Superior is not recommending the use of P/N SA10200-A1 cylinder assemblies for the GO-300 series engines.*

These Millennium Cylinder® power assemblies are approved replacements for those equivalent TCM parts that have the same engine model eligibilities as those listed above. A Millennium Cylinder® may be used individually or in sets.

These Millennium Cylinder® assemblies are to be installed, operated and maintained in accordance with the applicable original equipment manufacturer's overhaul and operator manuals or other applicable service documents. Failure to comply with these instructions may result in damage to the cylinders and/or engine and render them unsafe. Differences between a Millennium Cylinder® and the OEM products are listed below.



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**The Superior Millennium cylinders incorporate the following important features:**

- **May be operated at 28° ignition advance (O-200-A and B)**

  Please refer to Superior Service Letter No. L93-04 and Supplemental Type Certificate No. SE8675SW

- **Ni-Resist exhaust guide SA10205**

  Ni-Resist is a high nickel cast iron that will greatly extend the service life but must be used with a chrome plated exhaust valve SA10204.

- **Rocker shaft bushings**

  Bushings provide a superior bearing surface and greatly simplify the repair process.

- **Choked barrel**

  A slight .002 choke extends the service life of the cylinder barrel.

- **Improved exhaust guide boss**

  The guide boss in the exhaust port has been extended to completely surround the exhaust guide. The additional mass helps conduct heat away from the guide and reduce guide wear.



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