

SERVICE INFORMATION LETTER

SIL21-04B

Contains Useful Information Pertaining To Your Aircraft Engine

TECHNICAL PORTIONS
**PENDING
APPROVAL**

SUBJECT: Improved Rocker Cover Gasket, Part No. 668893

PURPOSE: Announce new part number availability and important installation instructions

COMPLIANCE: When replacing rocker cover gaskets

MODELS

AFFECTED: Continental Aerospace Technologies new and rebuilt GTSI0520C, D, H, K, L, M, N; I0550D, E, F & L engines converted to crossflow cylinders; I0550G, N, P, R; I0F550G, N, P, R; TSI0520BE; TSI0550A, B, C, E, G, J, K, N; TSI0F550D, J, K & P engines.

I. GENERAL INFORMATION

A new silicone rocker cover gasket Part No. 668893 has been placed in production for the crossflow engines listed above. Part No. 668893 gasket supersedes gasket Part No. 658735. The silicone material provides a more flexible seal than the previous gasket, when properly installed.

II. IDENTIFICATION OF GASKET

Rocker Cover Gasket Part No. 668893 is a flexible, silicone gasket, smooth on both sides; no special mating instructions apply. Rocker Cover Gasket Part No. 658735 is a fiber gasket with a silicone bead on both sides of the gasket. Gasket Part No. 655705 (preceded Part No. 658735) and previous gaskets used with crossflow style cylinders were fiber gaskets with no bead. Earlier gaskets were subject to age control; Part No. 668893 is not.

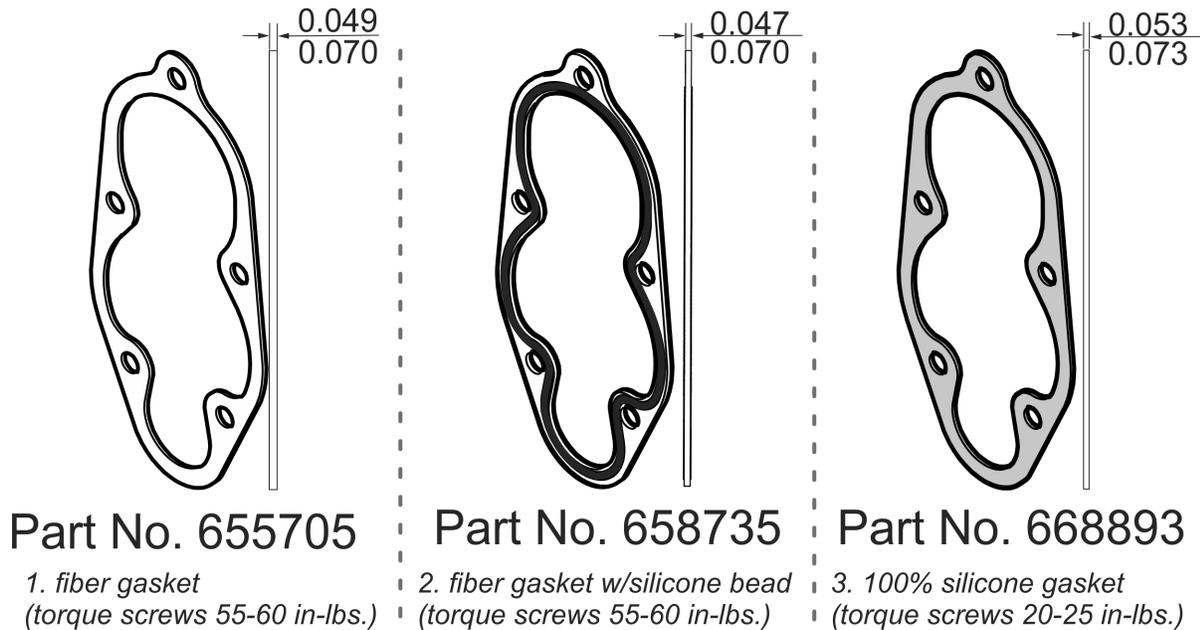


Figure 1. Gasket Comparison

III. INSTALLATION INSTRUCTIONS

CAUTION: Failure to clean the rocker and cover flanges will cause leaks. Surfaces must be clean and oil-free to seal properly. Applying 55-65 in-lbs. torque to rocker cover fasteners using Rocker Cover Gasket Part No. 668893 will damage the gasket and rocker cover.

No warranty consideration shall be offered for exceeding the revised torque specification during installation. The torque specification will be incorporated in M-0 at the next revision.

1. Clean the rocker box (including threaded screw holes) and cover flanges thoroughly with isopropyl alcohol (IPA) or acetone before installing the gasket to remove oil and old gasket residue. Clean the rocker cover screw threads with a wire brush and rinse with IPA or acetone.
2. Install rocker cover(s) with new gasket according to instructions in the primary ICA.
3. Sparingly apply a thin bead of Continental Part No. 658517 (Loctite® 243) across the rocker cover screw threads according to the manufacturer's instructions. Secure each rocker cover with five screws and torque the screws in an alternating pattern (see Figure 2):

CAUTION: Do not over-tighten rocker cover screws - warranty claims for damaged gaskets or distorted rocker covers caused by over-tightening screws will not be honored.

- a. On rockers using gasket Part No. 668893, torque cover screws 20-25 in-lbs.
- b. On rockers using any fiber gasket, torque cover screws 55-60 in-lbs.

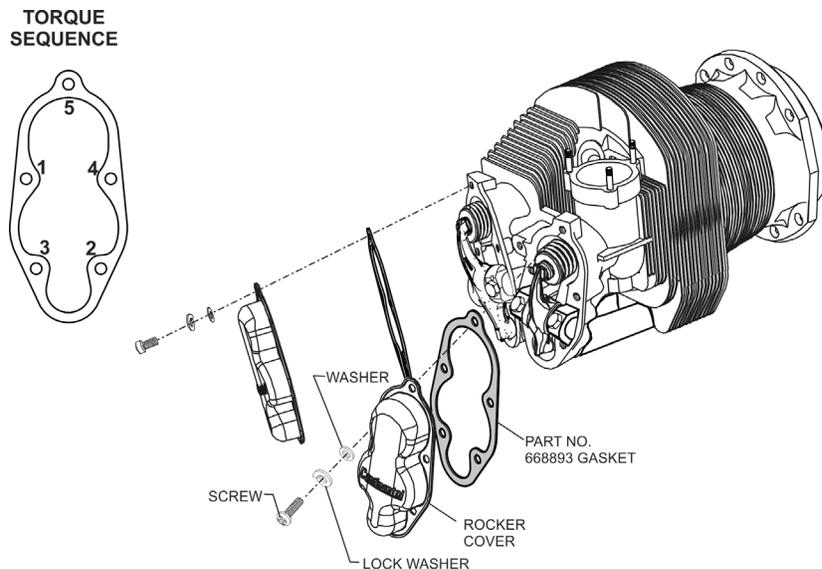


Figure 2. Rocker Cover Installation

Questions?

Contact Continental Technical Services at the phone number or email address listed below if you have any questions concerning the technical content of this Service Document.

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