

**»» Service Bulletin**

FAA Approved

**Number: B96-01 A**

**Replaces 96-001**

**Date: 07/06/2004**

**Subject:** Recall of Piston Pin SA629690

**Engine Application:** Teledyne Continental

**ENGINES:** IO-360-A, AB, C, CB, D, DB, G, GB, H, HB, J, JB, K, KB; LTSIO-360-E, EB, KB; TSIO-360-E, EB, KB; TSIO-360-A, AB, B, C, CB, D, DB, E, F, FB, GB, H, HB, JB, KB, LB, MB

**Compliance:** Upon receipt of this Mandatory Service Bulletin unless a ferry flight is required. Ferry time to a qualified maintenance facility not to exceed 10 hours flying time.

Superior Air Parts, Inc. has recently become aware that some of the SA629690 piston pins shipped between August 1, 1994, and June 20, 1996, may contain sub-surface manufacturing imperfections and we have experienced some piston pin fractures. Detection of these imperfections is not possible without destructive testing of the piston pin. Therefore, the following steps must be taken.

Return for credit all stock of SA629690 piston pins shipped from Superior between August 1, 1994, and June 20, 1996. Prepaid surface freight charges will be reimbursed by Superior for the return freight. Incoming C.O.D. and air freight shipment charges will not be accepted. Export customers should send their parts to their distributor and the distributor should contact Superior export for instructions.

All SA629690 piston pins shipped from Superior during the above mentioned period and installed must be removed and replaced as directed in the time allotted by the time compliance section of this Mandatory Service Bulletin. A research of all records (logbooks, work orders, parts invoices) should be conducted to determine if the affected SA629690 piston pins are installed prior to removal of any pins.

**Parts Allowance**

One Superior supplied piston pin and one single cylinder gasket set for each piston pin that qualifies for replacement. See the parts list on this Mandatory Service Bulletin to determine proper parts to order. Export customers should order their parts directly from their export distributor.

**\*\*\*NOTE\*\*\***

The cylinder should not be removed completely; only far enough to access the piston pin.

**Labor Allowance**

First cylinder, each side of engine	5 hours at your posted shop labor rate
All additional cylinders	2 hours each at your posted shop labor rate

**Freight Allowance**

The cost of surface freight for replacement parts from Superior and the surface freight to return the affected piston pins to Superior.

All piston pins returned to Superior must be sent surface freight prepaid. No incoming C.O.D. or air freight will be reimbursed. Export customers should send their parts to their distributor and the distributor should contact Superior export for instructions.

**Conditions**

All conditions stated in the Superior Air Parts, Inc. warranty policy will apply.

Labor and parts allowances, stated above, will be effective for one (1) year from the date of this letter.

Credit will be issued for only those SA629690 piston pins purchased between August 1, 1994, and June 20, 1996, that are returned to Superior with a copy of the completed attached claim form. Additional copies of this claim form can be obtained from Superior.

**Warranty Procedures**

Superior customers, upon receiving this Mandatory Service Bulletin and cover letter, should check inventory to find any affected SA629690 piston pins and research documents to determine where the affected SA629690 piston pins were sold and/or installed. Customers who have engines containing the affected SA629690 piston pins should be advised of this Mandatory Service Bulletin and immediate arrangements made to replace these piston pins.

Call 1-800-420-4727 to obtain the SA629690 Recall Specialist to order the needed parts off the parts list of this Mandatory Service Bulletin and to request a Return Authorization (R.A.) number. The Return Authorization number must be on the R.A. No. line in the upper right-hand corner of the SA629690 Piston Pin Recall Claim Form in order to process the claim for credit

Replace the affected SA629690 piston pin. Affected piston pins were shipped from Superior between August 1, 1994, and June 20, 1996, and may be identified as shown in Figure 1 on page 4 of 4 of this document. Send the affected piston pins and completed recall claim form back to Superior together to expedite issuance of credit. Piston pins not installed in engines will be credit for the cost of the piston pins and return freight only.

**\*\*\*Note\*\*\***

Be sure that the piston pins being replaced are SA629690 and that they were purchased between August 1, 1994, and June 20, 1996. The SA629690 piston pin and the TCM 629690 look identical. Only the SA629690 is affected by this Mandatory Service Bulletin. No credit will be issued for TCM 629690 piston pins returned to Superior referencing this Mandatory Service Bulletin. Credit will not be issued for disassembly conducted to determine if the affected piston pins are installed. Please check your engine overhaul documents carefully before proceeding with piston pin removal.

**Parts List**

Parts listed below are per cylinder:

<u>Quantity</u>	<u>Part Number</u>	<u>Description</u>
1 each	629690	Piston Pin
<i>and</i>		
1 each	SA360-T1	Single Cylinder Gasket Set

**\*\*\*NOTE\*\*\***

**TO ORDER RECALL PARTS AND OBTAIN AN  
R.A. NUMBER CALL:**

**1-800-420-4727  
ONLY**