

»» **Service Bulletin**

FAA Approved

Number: B98-01 B

Replaces 98-001 A

Date: 07/06/2004

Subject: Recall of crankshaft gear SL13S19649

Application: Lycoming Engine Models

O-360-A1AD, A1F6D, A1G6D, A1LD, A3AD, A5AD;
LO-360-A1G6D;
IO-360-J1A6D, A1B6D, A3B6D
TO-360-C1A6D; AEIO-540-L1B5D
HIO-360-E1AD, E1BD, F1AD;
TIO-360-C1A6D
O-540-H1B5D, H2B5D, J1A5D, J3A5D, J3C5D, L3C5D
IO-540-C4D5D, K1A5D, K1F5D, K1G5D, K1J5D, M1B5D, T4A5D, T4B5D, T4C5D, V4A5D, W1A5D, W3A5D
TIO-540-AB1AD, M1B5D, T4C5D, V2AD, W1A5D
LTIO-540-F2BD, J2BD, N2BD, R2AD, V2AD
IO-720-B1BD

Compliance: Before further engine operation.

Superior Air Parts, Inc. has recently become aware that SL13S19649 crankshaft gears purchased from July 11, 1997 to November 21, 1997, the affected lot number 523285 (noted on box only) do not meet Superior's specification and are therefore being recalled.

Return for credit all SL13S19649 crankshaft gears purchased from Superior July 11, 1997 through November 21, 1997 which are still in your stock. The recalled crankshaft gear lot number 523285 is listed on the box label. This lot number is not noted on the gear. Your cost for the SL13S19649 crankshaft gear and surface freight to return the recalled gear to Superior will be reimbursed. COD and air freight charges (except pre-approved foreign shipments) will not be accepted.

Affected SL13S19649 crankshaft gears shipped from Superior during the above mentioned period and installed must be removed and replaced **before further engine operation**.

Procedure and Credits

Upon receiving this Service Bulletin you should verify inventory in an effort to locate any affected SL13S19649 crankshaft gears. If gears are not found in inventory, research must be conducted to determine where the affected crankshaft gears were sold and/or installed. Customers who have engines containing the affected SL13S19649 crankshaft gears should be advised of this bulletin and make **immediate** arrangements, **before further engine operation**, to remove and replace the crankshaft gears.

Procedure and Credits (continued)

Once you have located the affected SL13S19649 crankshaft gears, call toll free hot line at 800-420-4727 only. Superior will supply an engine overhaul gasket set (containing a lockplate) and a crankshaft gear screw for each engine in which replacement is required. At present, Superior does not have any replacement crankshaft gears. Customers needing replacements should seek an alternate source and Superior will reimburse you for your cost. When Superior obtains replacement gears, we will supply the needed replacements. All parts supplied will be billed as a sale and will be reimbursed as part of the credit for a properly executed claim.

Engine removal and disassembly must be limited to only what is required to access the rear engine accessory case and remove the recalled SL13S19649 crankshaft gear.

Labor Allowance

4-cylinder normally aspirated engine maximum	26* hours
4-cylinder turbocharged engine maximum	31* hours
6-cylinder normally aspirated engine maximum	30* hours
6-cylinder turbocharged engine maximum	41* hours
8-cylinder normally aspirated engine maximum	31* hours

*multiplied by posted shop rates

Freight Allowance

You will be reimbursed for the surface freight to obtain replacement parts and to return the recalled gears to Superior. COD and air freight charges (except pre-approved foreign shipments) will not be accepted.

Conditions

- Superior Air Parts, Inc. will not reimburse claims submitted for searching for recalled SL13S19649 crankshaft gears.
- All conditions stated in the Superior Air Parts, Inc. warranty policy will apply.
- Labor, parts and freight allowance will be available for one (1) year from the date of this letter.

Credit Procedures

After the recalled SL13S19649 gear is removed and replaced, make an appropriate engine log book entry. Fill out the attached claim form completely and return the recalled crankshaft gear and the claim together with invoices for freight and all parts.

Credit Information

Superior Mandatory Service Bulletin B98-01

	<u>Customer Claim</u>	<u>Superior's Allowance</u>
Your cost of all parts:	\$ _____	\$ _____
Shop labor rate:	\$ _____	\$ _____
Number of labor hours:	\$ _____	\$ _____
Surface freight cost:	\$ _____	\$ _____

SUPERIOR'S USE ONLY	
Total parts, labor freight credit allowed:	_____
Comments:	_____

Credit Information

Superior Mandatory Service Bulletin B98-01

	<u>Customer Claim</u>	<u>Superior's Allowance</u>
Your cost of all parts:	\$ _____	\$ _____
Shop labor rate:	\$ _____	\$ _____
Number of labor hours:	\$ _____	\$ _____
Surface freight cost:	\$ _____	\$ _____

SUPERIOR'S USE ONLY	
Total parts, labor freight credit allowed:	_____
Comments:	_____



**SL13S19649
Recall Claim**

Mandatory Service Bulletin B98-01

Superior Air Parts, Inc.
621 S. Royal Lane,
Ste. 100
Phone: (800) 420-4727

DATE OF CLAIM: _____

DISTRIBUTOR OR CUSTOMER ACCOUNT NO.: _____

Owner or Operator

Repair Agency

Name: _____

Name: _____

Address: _____

Address: _____

Telephone: _____

Telephone: _____

Contact: _____

Contact: _____

Number of recalled SL13S19649 crankshaft gears in stock being returned for credit _____.

**Engine Information
(If Applicable)**

Aircraft make & model: _____

Engine Model: _____

Engine Serial No.: _____

Credit Information

Your cost of all parts: \$ _____
(Please include invoices)

Shop labor rate: \$ _____

Number of labor hours: \$ _____

Surface freight cost: \$ _____
(Please include invoices)

SUPERIOR'S USE ONLY

Total parts, labor freight credit allowed: _____

Comments: _____

Superior Employee Signature: _____