

How to Confirm PMA Part Eligibility

As per the FAA regulations:

- The Responsibility of PMA Part Eligibility Confirmation falls on the Aircraft Operator/Owner (via the installing mechanic)
- This confirmation information is readily available at the:
 - PMA Holder Website
 - FAA website

Excerpts from FAA Advisory Circular AC 20-62

From Section 6

a. Replacement of Parts and Materials. The performance rules for replacement of parts and materials used in the maintenance, preventive maintenance, and alteration of aircraft that have (or have had) a U.S. airworthiness certificate, and components thereof, are specified in § 43.13 and part 145, § 145.201. These rules require that the installer of a part use methods, techniques, and practices acceptable to the FAA. Additionally, the installer of a part must accomplish the work in such a manner and use materials of such quality that the product or appliance worked on will be at least equal to its original or properly altered condition with respect to the qualities affecting airworthiness.

b. Replacement of Articles. The continued airworthiness of an aircraft, which includes the replacement of articles, is the responsibility of the owner/operator, as specified in parts 91, 119, 121, 125, and 135; and §§ 91.403, 121.363, 125.243 and 135.413. These rules require that the installer determine that an article is eligible for installation on a product or component prior to returning that product or component to service with the part installed. Those rules also require that the installation of a part must be accomplished in accordance with data approved by the FAA, if the installation constitutes a major repair or alteration.

From Section 7

(3) The use of an authorization tag does not approve the installation of a part on a TC'd product. Additional substantiated authorization for compliance with part 43 and the FAA-approved data for major repairs and alterations may be required for installation on a TC'd product.

From Section 14

14. SUMMARY. The approval for return to service after maintenance of aircraft, engines, propellers, appliances, and materials and parts thereof is the responsibility of the person who performs the maintenance and who signs the record for approval for return to service. The owner/operator (as noted in paragraph 6b) is responsible for the continued airworthiness of the aircraft. To ensure continued safety in civil aviation, it is essential that appropriate data is used when inspecting, testing, and determining the acceptability of all parts and materials.

Screenshot from SuperiorAirParts.com Website

The screenshot displays the SuperiorAirParts.com website interface. At the top left is the logo for SUPERIOR AIR PARTS. To the right, the tagline reads "DESIGN MANUFACTURING PERFORMANCE". Below this is a dark blue navigation bar with icons and labels for: HOME, XP SERIES ENGINE, VANTAGE ENGINE, GEMINI DIESEL, MILLENNIUM CYLINDERS, REPLACEMENT PARTS, DEALER NETWORK, TECH SUPPORT, and ABOUT US. A red arrow points to the TECH SUPPORT icon. Below the navigation bar is a "Select Language" dropdown and a "SEARCH PARTS" input field with a green "SEARCH" button. A large banner features the text "Better quality. Better performance. Lower price." with images of engine parts. Below the banner are four categories: MILLENNIUM CYLINDERS, VANTAGE ENGINES, XP ENGINES, and REPLACEMENT PARTS. A dropdown menu is open from the TECH SUPPORT icon, listing: TECH VIDEO, RING GAPS, ELIGIBILITIES, SERVICE BULLETINS, SERVICE LETTERS, PRODUCT INFO LETTERS, PMA SUPPLEMENTS (highlighted with a red arrow), TECH NOTES, VANTAGE ENGINE INFO, WARRANTY INFO, and SEARCH WEBSITE.

Screenshot from SuperiorAirParts.com Website

Search for PMA part eligibility


The screenshot displays the SuperiorAirParts.com website interface. At the top left is the logo for Superior Air Parts, and to its right is the tagline "DESIGN MANUFACTURING PERFORMANCE". Below this is a dark blue navigation bar with icons and labels for: HOME, XP SERIES ENGINE, VANTAGE ENGINE, GEMINI DIESEL, MILLENNIUM CYLINDERS, REPLACEMENT PARTS, DEALER NETWORK, TECH SUPPORT (highlighted with a red arrow), and ABOUT US. Below the navigation bar is a "Select Language" dropdown and a "SEARCH PARTS" input field. A dropdown menu is open from the search field, listing various technical resources: TECH VIDEO, RING GAPS, ELIGIBILITIES (highlighted with a red arrow), SERVICE BULLETINS, SERVICE LETTERS, PRODUCT INFO LETTERS, PMA SUPPLEMENTS, TECH NOTES, VANTAGE ENGINE INFO, WARRANTY INFO, and SEARCH WEBSITE. Below the search dropdown is a large banner for "XP Engine" with the text "Factory performance at a homebuilt price". Underneath the banner are four category tiles: MILLENNIUM CYLINDERS, VANTAGE ENGINES, XP ENGINES, and REPLACEMENT PARTS, each with a corresponding image of an engine or parts.

Screenshot from Superior Air Parts' Website

The screenshot displays the Superior Air Parts website interface. At the top, the logo for Superior Air Parts is on the left, and the tagline "DESIGN MANUFACTURING PERFORMANCE" is on the right. Below the logo is a navigation menu with icons and labels for: HOME, XP SERIES ENGINE, VANTAGE ENGINE, GEMINI DIESEL, MILLENNIUM CYLINDERS, REPLACEMENT PARTS, DEALER NETWORK, TECH SUPPORT, and ABOUT US. A search bar is located below the navigation menu, with a "SEARCH" button. A language selection dropdown is also present.

The main content area features a banner for "Lycoming Eligibilities" with an image of a twin-engine aircraft. Below the banner is a section titled "Lycoming Eligibility Downloads" with the text "Eligibilities listed in RED are the most recently added eligibilities." A search form is provided with the text "Lycoming Part Number:" followed by an input field containing "sl72566" and a "search" button. A red arrow points to the input field.

Below the search form, a table shows the search results:

File	Part Number
	SL72566

A red arrow points to the PDF icon in the table.

On the right side of the page, there is a sidebar for "Millennium Cylinders" with a list of features:

- Advanced aluminum alloy heads
- Computer-generated head fin design
- Through hardened steel barrels
- 25 month warranty

A "READ MORE" button is located below the list.

Screenshot from Superior Air Parts' Website

The screenshot shows the Superior Air Parts website interface. At the top, the logo for Superior Air Parts is displayed alongside the tagline "DESIGN MANUFACTURING PERFORMANCE". A navigation bar contains icons and labels for Home, XP Series Engine, Vantage Engine, Gemini Diesel, Millennium Cylinders, Replacement Parts, Dealer Network, Tech Support, and About Us. Below the navigation bar is a language selection dropdown and a search bar with a "SEARCH PARTS" button. The main content area features a banner for "Lycoming Eligibilities" with an image of a twin-engine aircraft. Below the banner is a section titled "Lycoming Eligibility Downloads" with a note that red text indicates recently added eligibilities. A search form is present with the text "Lycoming Part Number: SL72566" and a "search" button. Below the search form, a table shows one document found for the part number SL72566. A sidebar on the right highlights "Millennium Cylinders" with a list of features and a "READ MORE" button.

SUPERIOR AIR PARTS DESIGN MANUFACTURING PERFORMANCE

HOME XP SERIES ENGINE VANTAGE ENGINE GEMINI DIESEL MILLENNIUM CYLINDERS REPLACEMENT PARTS DEALER NETWORK TECH SUPPORT ABOUT US

Select Language SEARCH PARTS SEARCH


Lycoming Eligibilities

Lycoming Eligibility Downloads

Eligibilities listed in **RED** are the most recently added eligibilities.

Lycoming Part Number: **SL72566** search

(1) Documents Found

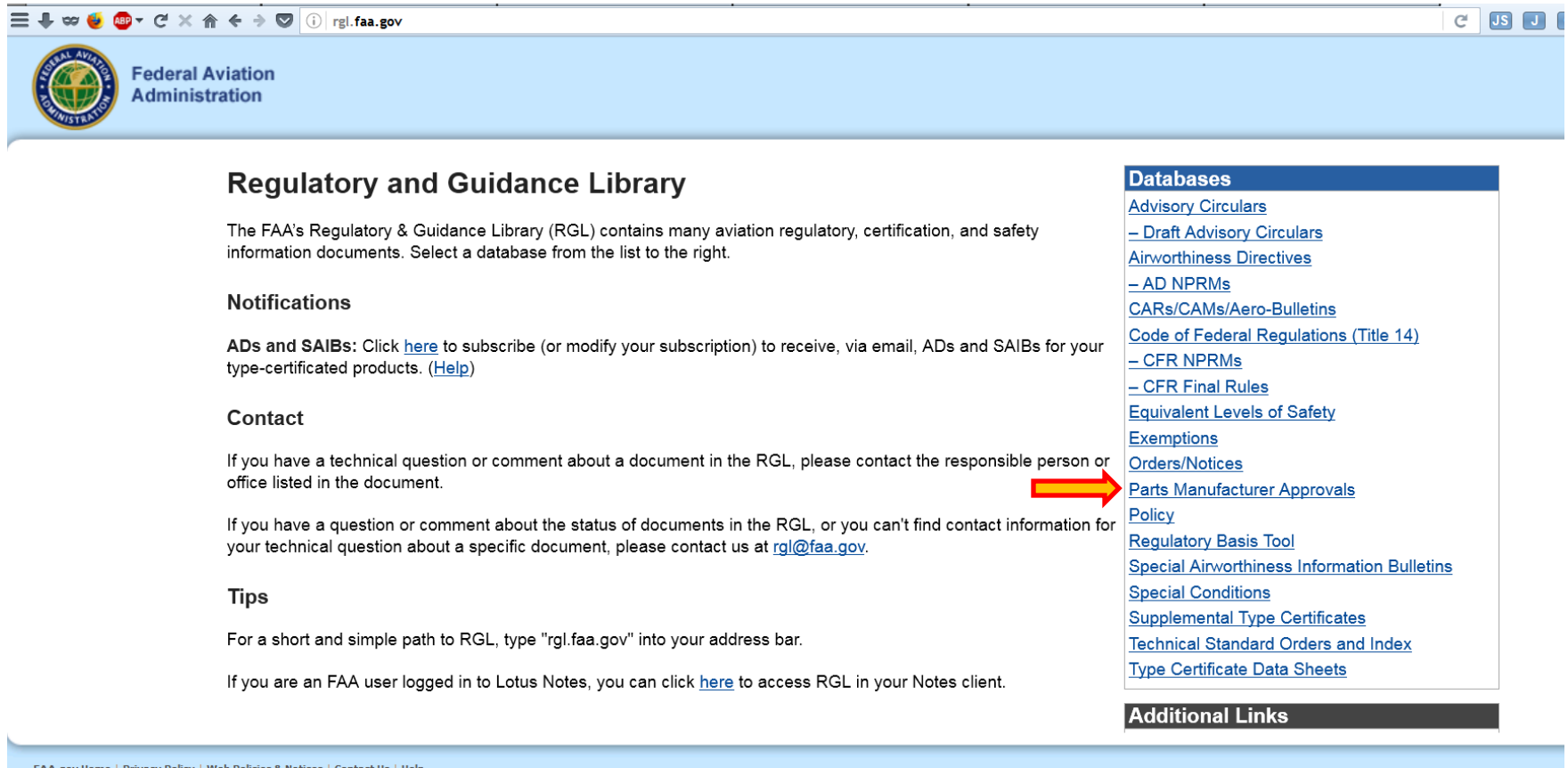
File	Part Number
	SL72566

Millennium Cylinders

- Advanced aluminum alloy heads
- Computer-generated head fin design
- Through hardened steel barrels
- 25 month warranty

READ MORE

Screenshot from RGL.FAA.gov Website



The screenshot shows a web browser window with the URL rgl.faa.gov. The page header features the Federal Aviation Administration logo and the text "Federal Aviation Administration".

Regulatory and Guidance Library

The FAA's Regulatory & Guidance Library (RGL) contains many aviation regulatory, certification, and safety information documents. Select a database from the list to the right.

Notifications

ADs and SAIBs: Click [here](#) to subscribe (or modify your subscription) to receive, via email, ADs and SAIBs for your type-certificated products. ([Help](#))

Contact

If you have a technical question or comment about a document in the RGL, please contact the responsible person or office listed in the document.

If you have a question or comment about the status of documents in the RGL, or you can't find contact information for your technical question about a specific document, please contact us at rgl@faa.gov.

Tips

For a short and simple path to RGL, type "rgl.faa.gov" into your address bar.

If you are an FAA user logged in to Lotus Notes, you can click [here](#) to access RGL in your Notes client.

Databases

- [Advisory Circulars](#)
- [– Draft Advisory Circulars](#)
- [Airworthiness Directives](#)
- [– AD NPRMs](#)
- [CARs/CAMs/Aero-Bulletins](#)
- [Code of Federal Regulations \(Title 14\)](#)
- [– CFR NPRMs](#)
- [– CFR Final Rules](#)
- [Equivalent Levels of Safety](#)
- [Exemptions](#)
- [Orders/Notices](#)
- [Parts Manufacturer Approvals](#)
- [Policy](#)
- [Regulatory Basis Tool](#)
- [Special Airworthiness Information Bulletins](#)
- [Special Conditions](#)
- [Supplemental Type Certificates](#)
- [Technical Standard Orders and Index](#)
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Screenshot from RGL.FAA.gov Website



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Parts Manufacturer Approvals



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- ▶ Summit Labs 2307 East Aurora Rd Unit B-7 Twinsburg OH 44087 United States
- ▶ Sun Air Parts 26007 Huntington Ln Valencia CA 91355-1145 United States
- ▶ Sundstrand Electric Power Sys 1501 S Dixie Highway, PO Box 989 Lima OH 45802 United States
- ▶ Sundstrand Pneumatic Sys 8975 Balboa Ave San Diego CA 92123-0419 United States
- ▶ Sunrise Avionics Incorporated 2085 S. Bluejay Drive Suite 101 Gilbert AZ 85295 United States
- ▶ Super 98 3780 Kilroy Airport Way Suite 430 Long Beach CA 90806 United States
- ▶ Super SideBar Inc 1396 Autumn Trail West Branch MI 48661 United States
- ▶ Super Stinson Modifications 13173 S. Spangler Road Oregon City OR 97045 United States
- ▶ SuperiAire Technologies 121 Mountain Park Place Albuquerque NM 87114 United States
- ▶ Superior Air Parts Inc 621 South Royal Lane Suite 100 Coppell TX 75019 United States
- ▶ Superior Helicopter Interiors Inc 424 Industrial Parkway Suite 10 Lafayette LA 70508 United States
- ▶ Superskyrocket LLC 2026 Palomar Airport Road Carlsbad CA 92008-4812 United States
- ▶ Svenn's Aviation Inc 1432 176th Ave New Richmond WI 54017 United States
- ▶ Svenn's Aviation LLC 625 West Hangar Road, Hangar 20-1 New Richmond WI 54017 United States
- ▶ Swagelok Company 29500 Solon Road Solon OH 44139 United States
- ▶ Sweeney Engineering Corp 17224 Gramercy Place Gardena CA 90247 United States



Screenshot from RGL.FAA.gov Website



Federal Aviation
Administration

Parts Manufacturer Approval

Parts Manufacturer Approval Information

Supplement Number:
93

Supplement Date:
04/11/91

This approval issued to:
Superior Air Parts Inc

PMA Holder Number:
PQ0060SW

PMA Holder's Address:
621 South Royal Lane Suite 100
Coppell TX 75019
United States

Part Name:
Gear, starter ring

Part Number:
SL72566

Replacement For:
Replacement for Lycoming Part No. 72566

Make/Model:

LYCOMING ENG. (0-235-C2A, 0-290-D, D2, D2B, 0-320-A2A, A2B, A2C, A2D, A3A, A3B, A3C, B2A, B2B, B2C, B3A, B3B, B3C, D1A, DID, D1F, D2A, D2B, D2C, D2G, D2J, D3G, E1A, E2A, E1F, E2B, E2C, E2D, E2F, E2G, E2H, E3D, E3H, H2AD, IO-320-B1A, B1C, CIA, D1A, D1B, E2A, AIO-320-B1B, C1B, O-360-A1A, A1AD, A1C, A1D, A1F6, A1F6D, A1G6, A1G6D, A1LD, A2A, A2D A2E, A2F, A2G, A3A, A3AD, A4A A4G, A4J, A4K, A4M, A4N, A5AD, 0-36Q-B2A, CIA C1C, C1E, C1F, C1G, C2A, C2C, C2D, C2E, D2A, D2B, E1A6D, F1AI, IO-360-A1A, A1B, A1B6, A1B6D, A1C, A1D, A1D6, A2A A2B, A3B6D, B1A, BIB, BID, B1E, B1F, B2F, B2F6, B4A, IO-360-C1A, C1B, C1C, C1C6 C1D6, C1E6, C1F, J1A6D, H0-360-B1A, B1B, HI0-360-A1A, B1A, CIA, C1B, D1A, E1AD, E1BD, F1AD, IV0-360-A1A, VO-360-A1A, A1B, B1A, TO-360-C1A6D, E1A6D, AEIO-360-A1E, B1G6, H1A, TIO-360-A1B, C1A6D, AIO-360-A1A, A1B, BIB, O-540-A1A, A1A5, A1B5, A1C5, A1D, A1D5, A2B, A3D5, B1A5, B1B5, B2B5, B2C5, B4B5, E4A5, E4B5, E4C5, F1A5, F1B5, G1A5, G2A5, H1B5D, H2B5D, 0-540-J1A5D, J3A5D, J3C5D, L3C5D, IO-540-A1A5, B1A5, B1C5, C1B5, C4B5, C4C5, D4A5, E1A5, E1B5, G1A5, G1B5, G1C5, G1D5, G1E5, G1F5, J4A5, K1A5, K1A5D, K1B5, K1C5, K1D5, K1E5, K1F5, K1F5D, K1G5, K1G5D, K1J5, K1J5D, K1K5, M1A5, M1B5D, N1A5, P1A5, R1A5, S1A5, T4A5D, T4B5D, T4C5D, W1A5D, AA1A5, C4D5D, L1C5, V4A5D, TIO-540-A1A, A1B, A2A, A2B, A2C, CIA, E1A, G1A, H1A, J2B, F2BD, J2BD, N2BD R2AD, S1AD, V2A1 AA1AD, AB1AD, AEIO-540-D4B5, L1B5D, TIO-541-A1A, E1A4, E1B4, E1C4)

FAA Approval Basis:

FAA approved Superior Air Parts, Inc., Dwg. No. **SL72566** Rev. n/c dtd. 08/03/89 or later FAA approved revision.

Responsible Office:

Fort Worth TX FAA Office Tel: (817) 222-5819