



Piper Aircraft, Inc.
2926 Piper Drive
Vero Beach, FL, U.S.A. 32960

SERVICE NO. 1286A BULLETIN

PIPER CONSIDERS COMPLIANCE MANDATORY

Date: October 30, 2015

(S) (M)

Service Bulletin (SB) 1286A supersedes SB 1286 and VSP 242 in their entirety. Airplanes which are in compliance with SB 1286 are in compliance with SB 1286A. Airplanes which are in compliance with VSP 242 must also be made compliant with SB 1286A.

SUBJECT:

LYCOMING SERVICE BULLETIN NO. 621B

REASON FOR REVISION:

SB 1286A adds affected aircraft due to Lycoming SB 621B adding affected engine models.

MODELS AFFECTED:

PA-23-250/PA-E23-250 Aztec

PA-24-250 Comanche

PA-24-260 Comanche

PA-30 Comanche

PA-28R-180 Arrow

PA-28R-200 Arrow

PA-28R-200 Arrow II

PA-28R-201 Arrow III

PA-28RT-201 Arrow IV

PA-31-300 Navajo

PA-36-285/-300 Pawnee Brave

PA-32-300 Cherokee Six

PA-32-301 Saratoga

PA-32-301FT Piper 6X

PA-32R-300 Lance

PA-32R-301 Saratoga II HP

PA-32R-301 Saratoga SP

SERIAL NUMBERS AFFECTED:

27-2000 through 27-4916,
27-7304917 through 27-7554168

24-1, 24-103 through 24-3687

24-3642, 24-4000 through 24-5034

30-1 through 30-2000

28R-30002 through 28R-31270,
28R-7130001 through 28R-7130013

28R-35001 through 28R-35820,
28R-7135001 through 28R-7135229

28R-7235001 through 28R-7635545

28R-7737002 through 28R-7837317;
2837001 through 2837061; 2844001 through 2844156

28R-7918001 through 28R-8218026

31-2 through 31-900, 31-7300901 through 31-8312019

36-7560001 through 36-8160023

32-15, 32-21, 32-40000 through 32-40974,
32-7140001 through 32-7940290

32-8006002 through 32-8606023,
3206001 through 3206088

3232001 through 3232074

32R-7680001 through 32R-7880068

3213029, 3213042 through 3213103,
3246001 through 3246244

32R-8013001 through 32R-8613006,
3213001 through 3213041

ATA: 7310

(OVER)

MODELS AFFECTED (Continued)

PA-32RT-300 Lance II
PA-34-200 Seneca
PA-39 Twin Comanche
PA-44-180 Seminole

SERIAL NUMBERS AFFECTED (Continued)

32R-7885002 through 32R-7985106
34-E4, 34-7250001 through 34-7450220
39-1 through 39-155
4495001 through 4495013, 4496001 through 4496377,
4496379 through 4496381, 4496384 through 4496386

COMPLIANCE TIME: Refer to Lycoming Service Bulletin (SB) No. 621B

PURPOSE: Lycoming has released a service bulletin requiring replacement of specific diaphragm-type fuel pumps as corrective action in response to evidence of non-conforming fuel pumps in the field.

INSTRUCTIONS:

Comply with Lycoming SB No. 621B, "Diaphragm-Type Fuel Pump Replacement," attached.

MATERIAL REQUIRED: Refer to Lycoming SB No. 621B, "Diaphragm-Type Fuel Pump Replacement," attached.

AVAILABILITY OF PARTS: See Lycoming SB No. 621B

EFFECTIVITY DATE: This service bulletin is effective upon receipt.

NOTE: Please notify the factory of any address/ownership corrections. Changes should include aircraft model, serial number, and current owner's name and address.

Corrections and/or changes should be directed to:

PIPER AIRCRAFT, INC.
Attn: Customer Service
2926 Piper Drive
Vero Beach, FL 32960

MANDATORY**SERVICE BULLETIN**

DATE: October 5, 2015 Service Bulletin No. 621B
(Supersedes all versions of Service Bulletin No. 621A)
Engineering Aspects are
FAA Approved

SUBJECT: Diaphragm-Type Fuel Pump Replacement

MODELS AFFECTED: IO-320, -360, -390, -540, -580; AEIO-320, -360, -390, -540; LIO-320-B1A;
O-320-B2D, -D1D; (L)O-360-A1H6, -A1N6, -A1G6D; HIO-360; LIO-360;
O-360-A1H, -A2G, -A4G, -A4J, -A4K, -A1G6, -C1F, -C4F; O-540-L3C5D;
and TO-360-C1A6D

TIME OF COMPLIANCE: 50 hours from the issue date of this Service Bulletin or the next regularly
scheduled maintenance event (whichever occurs first)

REASON FOR REVISION: Added new affected engine models

NOTICE: Incomplete review of all the information in this document can cause errors. Read the entire
Service Bulletin to make sure you have a complete understanding of the requirements.

This Service Bulletin is notification of a requirement to replace specific diaphragm-type fuel pumps
identified herein as a corrective action in response to a confirmed non-conforming fuel pump in the field.
Continued operation of a non-conforming fuel pump can cause fuel leakage out of the airframer's vent line
or into the engine crankcase.

NOTICE: Each fuel pump has a 13-digit alphanumeric manufacturer's code, which begins with two
letters as shown in the example in Figure 1. The alphanumeric characters in the manufacturer's
code and its location on the fuel pump will help identify the fuel pumps affected by this Service
Bulletin. The first two characters in the example manufacturer's code RC20150620703 in
Figure 1 are **RC**. The next two numbers **20** identify the manufacturing week of the year as **20**
and **15** is the year. The manufacturer's code is on the fuel pump flange or on the web as shown
in Figure 1. If the manufacturer's code is on the flange as in the example in Figure 2, the fuel
pump is not affected by this Service Bulletin.

In the "Required Action" procedure herein, remove any affected fuel pumps from your engines and from
your spares inventory to be in compliance with this Service Bulletin.

This Service Bulletin No. SB-621 supersedes SB-615 and SB-617. Regardless of whether or not you
have complied with Service Bulletins SB-615 and SB-617, **you must return an affected fuel pump
identified in SB-621 for a replacement conforming fuel pump** per the "Required Action" procedure in
this Service Bulletin.



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Required Action:

NOTICE: The steps in this procedure will identify the affected fuel pumps in a series of progressive checks. For a fuel pump to be affected and eligible for replacement, it must meet **all** of the criteria identified in this procedure.

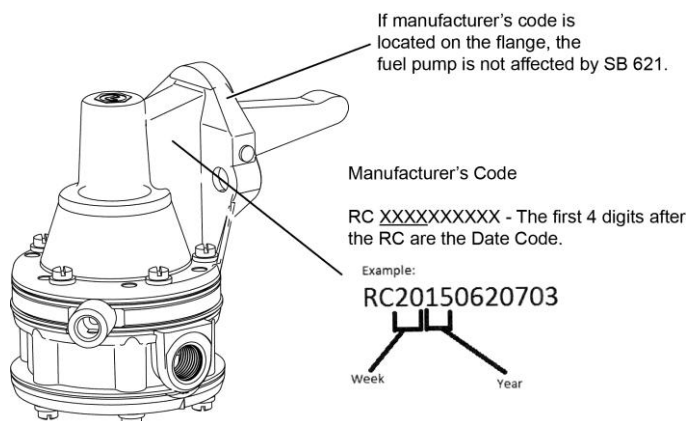


Figure 1
Manufacturer's Code Location on
Fuel Pump P/Ns 62B26931 and LW-16335

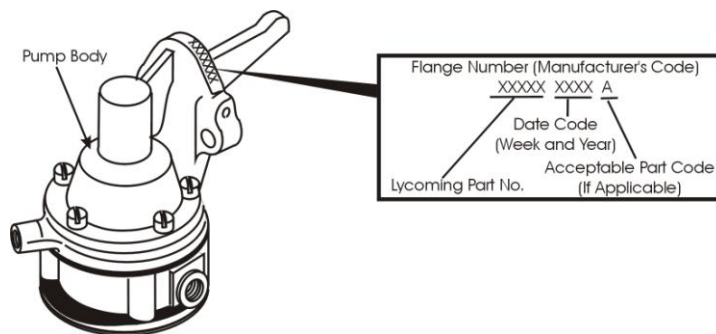


Figure 2
Manufacturer's Code on the Flange
(Fuel Pump Is NOT affected by SB-621)

A fuel pump installed on engines or in the spares inventory is affected by this Service Bulletin:

1. If the fuel pump is Lycoming part number 62B26931 or LW-16335 (ordered and sold as LW-16335-S but marked on fuel pump as LW-16335).
2. If the manufacturer's code is not on the flange but is on the web or other parts of the fuel pump.
3. If the fuel pump has **RC** (Figure 1) as the first two letters of the manufacturer's code.
4. If the manufacturer's code identifies the fuel pump as manufactured before, up to, and including the 25th week of 2015.

If any fuel pump meets **all** the criteria above, remove the fuel pump from the engine or from the spares inventory and:

- A. Review your records to identify shipping dates of the serial numbers of any of the affected fuel pumps.
- B. Return all affected fuel pumps to Lycoming Engines with a copy of this Service Bulletin and file a warranty claim per the warranty procedure herein.
- C. Record removal of the fuel pump installed on the engine in the engine logbook.

Warranty Instructions and Replacement Parts for Engines/Parts Affected by Service Bulletin No. 621

1. Contact an Authorized Lycoming Distributor to order a replacement fuel pump.
2. Upon receipt, complete the installation procedure.
3. Return the removed fuel pump to Lycoming Engines through the same Authorized Lycoming Distributor that ordered the replacement fuel pump and file a warranty claim for:
 - A. Reimbursement of the replacement parts.
 - B. Associated Freight.
 - C. Removal and Reinstallation Labor Allowance of not more than 1.5 hours.

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4. In the event that a genuine Lycoming fuel pump is not available, an FAA approved PMA fuel pump may be installed. Lycoming will honor the warranty claim for reimbursement of the PMA component when accompanied with a copy of the original invoice.

If you have any questions, contact Lycoming Field Service by phone at 570-327-7222 or 877-839-7878.

NOTICE: Warranty consideration is available for 12 months from the date of issue of this Service Bulletin.

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