

SERVICE INFORMATION NO. SI 40-023

NOTE: SI's are used **only**:

- 1) To distribute information from DAI to our customers.
- 2) To distribute applicable information / documents from our suppliers to our customers with additional information.

Typically there is no revision service for SI's. Each new information or change of that will be send along with a new SI.

I. TECHNICAL DETAILS

1.1 Airplanes affected:

DA 40 all Serial Numbers with affected engines as stated in Lycoming's Mandatory Service Bulletin No. 548A

1.2 Subject:

Diaphragm-Type Fuel Pump Inspection/Replacement
ATA-Code: 73

1.3 Reason:

Lycoming has issued a new Mandatory Service Bulletin regarding the Diaphragm-Type Fuel Inspection/Replacement on engines as stated in Lycoming's Service Bulletin.

1.4 Information:

For detailed information see Lycoming's Mandatory Service Bulletin No. 548A from August 31, 2005 which is applicable without any further additions or restrictions.

II. OTHERS

Lycoming's Mandatory Service Bulletin No. 548A is attached to this SI.

In case of doubt contact Diamond Aircraft Industries.

MANDATORY

SERVICE BULLETIN

DATE: August 31, 2005 Service Bulletin No. 548A
(Supersedes Service Bulletin No. 548)

SUBJECT: Diaphragm-Type Fuel Pump Inspection/Replacement

MODELS AFFECTED: New, rebuilt and overhauled engines from Lycoming with fuel pumps P/N LW-15399, LW-15472, LW-15473, and LW-16335 shipped between February 1, 2000 and September 15, 2005. Engine models affected are O-235; O-290; O-340; (L)O and IO-320, -360, -540; AIO-320, -360; AEIO-320, -360, -540; HO-360; HIO-360; and TO-360.

Fuel pumps P/N LW-15399, LW-15472, LW-15473, and LW-16335 purchased through distribution between February 22, 2000 and September 15, 2005.

TIME OF COMPLIANCE: Compliance is required within 180 calendar days from the date of this Service Bulletin, or as specified below, whichever occur first:

1. Inspect within 50 hours of operation:
2. If affected, replace within 100 hours of operation or earlier at owner's discretion.

NOTE

Prior compliance with Service Bulletin No. 548 does not preclude compliance with this Service Bulletin.

Lycoming has determined that a number of lots of diaphragm-type fuel pumps, Lycoming P/N LW-15399, LW-15472, LW-15473, and LW-16335, may not have been manufactured in conformance with acceptable standards. In the event operation of the pump is compromised, restricted fuel flow or loss of fuel pressure could result.

If your Lycoming engine has a diaphragm-type fuel pump with Lycoming P/N LW-15399, LW-15472, LW-15473, or LW-16335 installed, and has a date code of 0700 through 0401, the pump must be replaced within the next 100 hours of operation or 180 calendar days from the date of this Service Bulletin, whichever occurs first.

To identify affected pumps, check the manufacturer's code scribed on the flange of the pump (See Figure 1). If the first five digits are 15399, 15472, 15473, or 16335, and the 6th through 9th digits are 0700, 0800, 1100, 1200, 1300, 1400, 1500, 1600, 1800, 2000, 2100, 2200, 2300, 2400, 2800, 2900, 3000, 3100, 3200, 3300, 3400, 3500, 3600, 3700, 3800, 3900, 4000, 4100, 4200, 4300, 4400, 4500, 4600, 4700, 4800, 4900, 5000, 5100, 5200, 0101, 0201, 0301 or 0401, the pump is affected and must be replaced.

NOTE

If the letter "A" is marked as a suffix to the date code, the pump has been brought into conformity and need not be replaced.

WARRANTY:

If replacement is required, reimbursement is available for a replacement fuel pump and for up to 1.5 hours labor through a Lycoming Distributor. The engine serial number must be furnished when a replacement pump is ordered. Lycoming requires the replaced pump be returned with a valid warranty claim for warranty consideration.

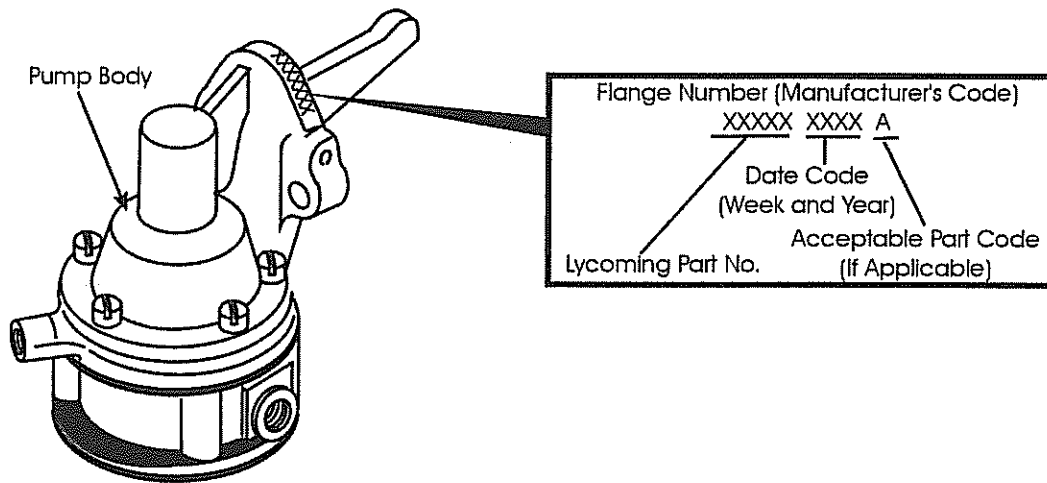


Figure 1

NOTE: Revision "A" adds new date codes and part number LW-15399.