

## SERVICE INFORMATION NO. SI 40-017

**NOTE:** SI's are used **only** as a cover sheet to distribute information / documents of other manufacturers to our customers with additional information when applied to the DAI product. 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                      Serial number 40.006 through 40.079, 40.081 through 40.083,  
40.201 through 40.483

#### 1.2 Subject:

Lycoming Engine Diaphragm-Type Fuel Pump Inspection/Replacement

ATA-Code: 72-00

#### 1.3 Reason:

Lycoming has issued a new mandatory Service Bulletin regarding the fuel pump.

#### 1.4 Information:

For detailed information see Lycoming mandatory Service Bulletin No. 565, which is applicable without any further additions or restrictions. Please notice the short time of compliance of the Lycoming Service Bulletin.

### II. OTHERS

The mandatory Lycoming Service Bulletin No. 565 is attached to this SI.

# MANDATORY

# SERVICE BULLETIN

DATE: February 21, 2005 Service Bulletin No. 565  
Engineering Aspects are  
FAA Approved

SUBJECT: Diaphragm-Type Fuel Pump Inspection/Replacement

MODELS AFFECTED: New, rebuilt and overhauled engines shipped from Lycoming between October 1, 2001 and February 2, 2004 with fuel pump P/N LW-15473. Engine models affected are IO-320, -360, -540; AIO-320, -360; AEIO-320, -360, -540; HIO-360; TO-360-C1A6D, -F1A6D and O-540-L3C5D. Fuel pumps replaced in the field with a genuine Lycoming fuel pump after October 1, 2001 and up to the date of issuance of this Service Bulletin.

TIME OF COMPLIANCE: Next 25 hours or next oil change whichever occurs first, or earlier at owner's discretion.

Lycoming has received two reports that indicate a number of diaphragm-type fuel pumps, Lycoming P/N LW-15473, may not have been manufactured in conformance with specifications. This can result in restricted and/or loss of fuel flow.

## WARNING

**DO NOT INSTALL ANY FUEL PUMP WITH THE MANUFACTURER'S CODE OF 154733201.**

**If your Lycoming engine has a diaphragm-type fuel pump with Lycoming P/N LW-15473 installed, and has a date code of 3201, the pump must be replaced prior to next flight.**

## NOTE

Some installations may require removal of the fuel pump to read the manufacturer's code. When reinstalling or replacing the fuel pump use a new fuel pump gasket.

To identify affected pumps, check the manufacturer's code scribed on the pump. (See Figure 1.) If the number is 154733201, the pump is affected and must be replaced prior to next flight.

Make the appropriate logbook entry including fuel pump date code.

## 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. Lycoming requires the replaced pump be returned with a valid warranty claim for warranty consideration. Warranty for pump replacement will be in affect for one year from the date of this Service Bulletin.

