



## *F. Atlee Dodge Aircraft Services, LLC.*

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### **MANDATORY SERVICE BULLETIN**

Document No: 3286SC-02

Date: August 10, 2009

#### **Subject:**

Visual inspection of F. Atlee Dodge wing tank fuel sight gauges. Part No. 3286 in accordance with (IAW), STC SA02115AK.

#### **Reference:**

STC SA02115AK, Document No. 3286IM, Drawing No. 3286.I.

#### **Models Affected:**

Piper Models PA-12, PA-12S, PA-14, PA-18 "150", PA-18S "150", PA-18AS "150", PA-22-160 with F. Atlee Dodge 30.5 gallon Wing Fuel Tanks and sight gauges installed per STC SA02115AK.

Additionally, any model aircraft with any approved Fuel Tank installed on these model aircraft using F. Atlee Dodge Wing Tank Fuel Sight Gauges per dwg no 3286I.

Additionally, any other aircraft with approved installation of F. Atlee Dodge Wing Tank Fuel Sight Gauges per dwg no 3286I.

#### **Statement of Difficulty:**

Report have been received that the plastic tube sight gauges incorrectly indicate fuel quantity at low fuel levels. This misleading information may lead to fuel starvation of engine in some flight conditions.

STC SA02115AK has a limitation that required the sight gauge to be installed with only F. Atlee Dodge 30.5 gal wing fuel tanks in accordance with STC SA649AL, SA00092SE or SA578INM.

Many installations have deviated from this limitation by installing the fuel gauges with stock 18.0 gallon or other FAA Approved Fuel Tanks.

MANDATORY SERVICE BULLETIN

Document No: 3286SC-02

Page 1 of 2  
Date: August 10, 2009

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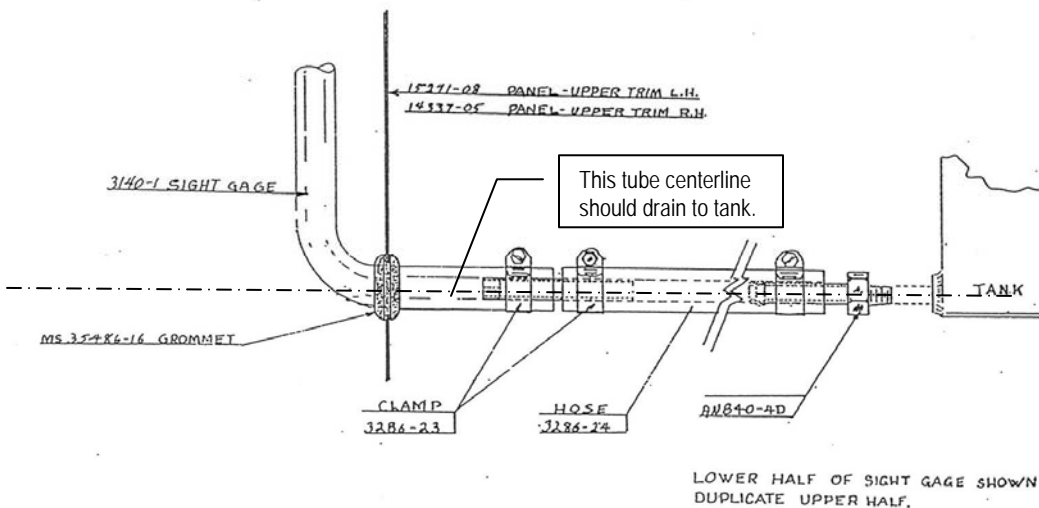
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## Compliance:

Within 20 flight hours upon receipt of this service bulletin a properly rated mechanic must accomplish the following:

1. Verify the sight gauge fuel quantity calibration has been completed in accordance with (IAW) 3286IM. Marking in the A/C should be for both level flight and three point attitudes.
2. Verify that the lower half of sight gauge is installed with a horizontal or slight downward incline to tank.
3. Starting with at least a 1/2 full tank, fully drain the tank until empty. Examine and verify there is no residual fuel in the sight gauge. Verify the marking of Empty (step 1). If fuel is present when tank is empty, complete step two so the hose (3286-24) has a slight incline toward the tank (see illustration below). Repeat this step so that all fuel is draining into the tank.



4. Make entry into aircraft log book that this service bulletin was complied with.

**Information and Parts Availability:** Copies of Mandatory Service Bulletin No. 3286SB are available from F. Atlee Dodge Aircraft Services, LLC., or electronically at [www.fadodge.com](http://www.fadodge.com). Contact F. Atlee Dodge Aircraft Services, LLC. for availability and pricing of improved sight gauges.

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