



## CRITICAL SERVICE BULLETIN

CATEGORY 2

Contains information pertaining to a threat to the continued safe operation of an aircraft or to the safety of persons or property on the ground unless some specific action is taken by the aircraft owner.

**SB-189**

ATA 5310

DATE: September 16, 2002

SUBJECT: **MISSING RIVETS**

MODEL / SERIALS AFFECTED: AG-5B 99998, 10000 through 10174

TIME OF COMPLIANCE: Within the next 100 hours time in service or at the next scheduled inspection, whichever comes first

### GENERAL:

It has been determined that several non-structural rivets were left out of some AG-5B Tiger aircraft produced by American General Aircraft Corp. These rivets are located in various places in the fuselage below and aft of the baggage compartment. The purpose of these rivets is to arrest any possible bond line delamination that may occur in the affected areas.

### INSPECTION:

Within the next 100 hours time in service, or at the next scheduled inspection, whichever comes first, accomplish the following:

1. Prepare the aircraft for safe maintenance.
  - a. Disconnect the battery
  - b. Connect the airframe to a suitable ground
2. Remove the carpet and inspection panel from the baggage compartment floor.
3. Using a light and mirror, inspect for the presence of four (4) 1682-0412 rivets through the bottom, LH and RH edge of the fuselage and two (2) AK42BS rivets through the RH side of the fuselage above the baggage floor as noted in **Figure 1**.

4. Remove the RH and LH Covers P/N 103012-3&-4 at the base of the vertical stabilizer. Inspect for the presence of eight (8) AK42BS rivets through the LH and RH sides of the aft fuselage, **Figure 2** and four (4) 1691-0410 rivets as noted in **Figure 3**.
5. Inspect the areas noted for any bond line delamination. Report any delamination found to Tiger Aircraft. Delamination repairs should be accomplished in accordance with Service Kit 125A. Copies of this service kit may be obtained by contacting Tiger Aircraft at the address listed below.

**NOTE 1:** Exterior rivet heads may not be visible. They are countersunk and may be covered with filler/paint.

**NOTE 2:** The four (4) rivets noted in **Figure 3** do not protrude through the outer skin of the fuselage.

#### REQUIRED ACTION

If any of the rivets are missing, obtain the proper rivet from any approved source and:

1. Drill #30 holes and install all rivets missing from the locations noted above. All rivets should be installed "wet" with Zinc Chromate primer or equivalent.

**NOTE 3:** (\*) Indicates rivet hole locations, noted in **Figure 1, 2 and 3**, that have predrilled holes in the stiffener. These holes may be filled with bonding material. Remove the excess bond material to reveal these pilot hole locations and back drill through the stiffener using a #30 drill.

2. Reinstall all items removed for inspection and reconnect the battery.
3. Record the compliance in the aircraft log book.
4. Complete the attached compliance card and return to:

Tiger Aircraft, LLC  
226 Pilot Way  
Martinsburg, WV 25401

#### Parts and Labor Credit

No parts or labor credit will be allowed for compliance with this Service Bulletin.

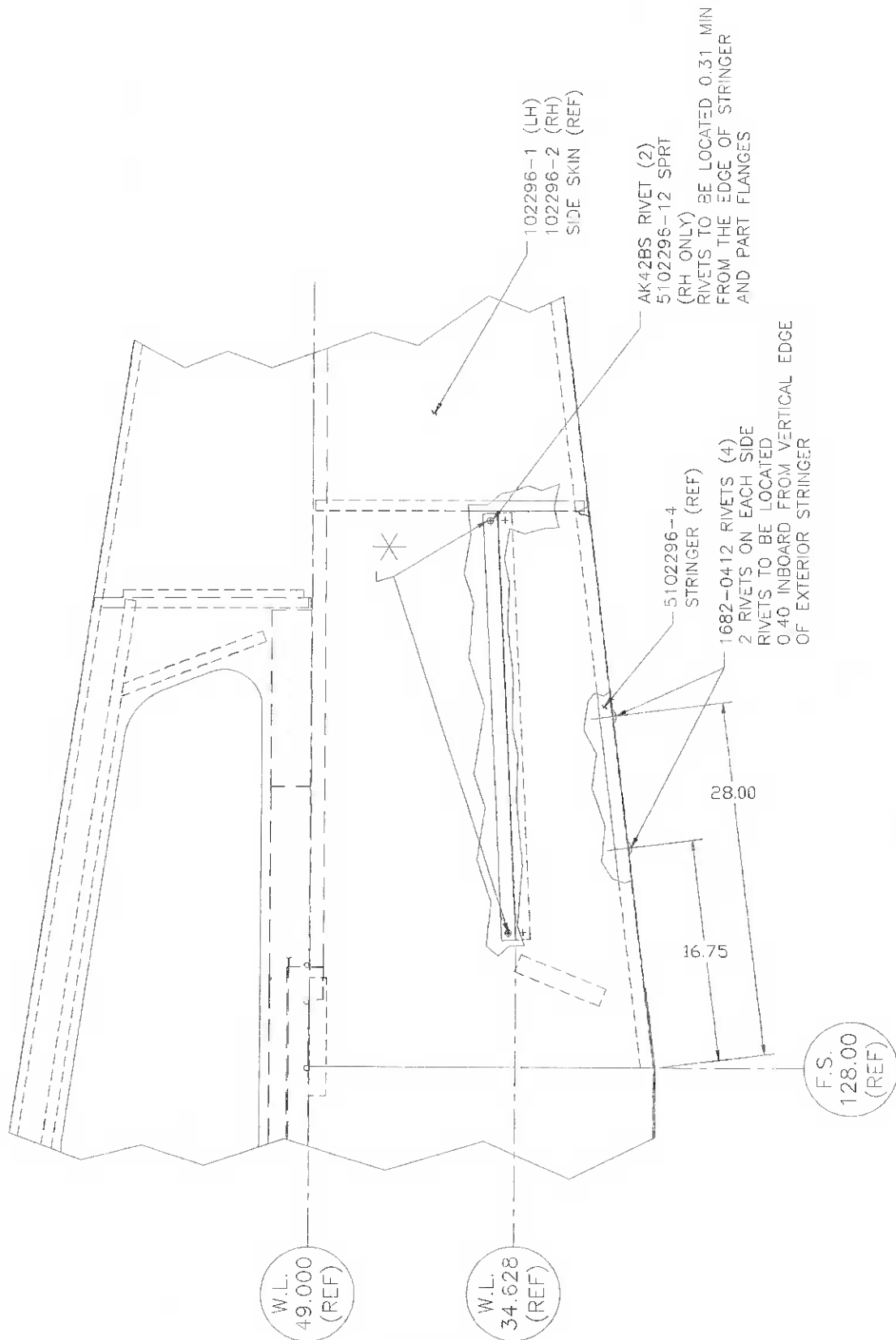
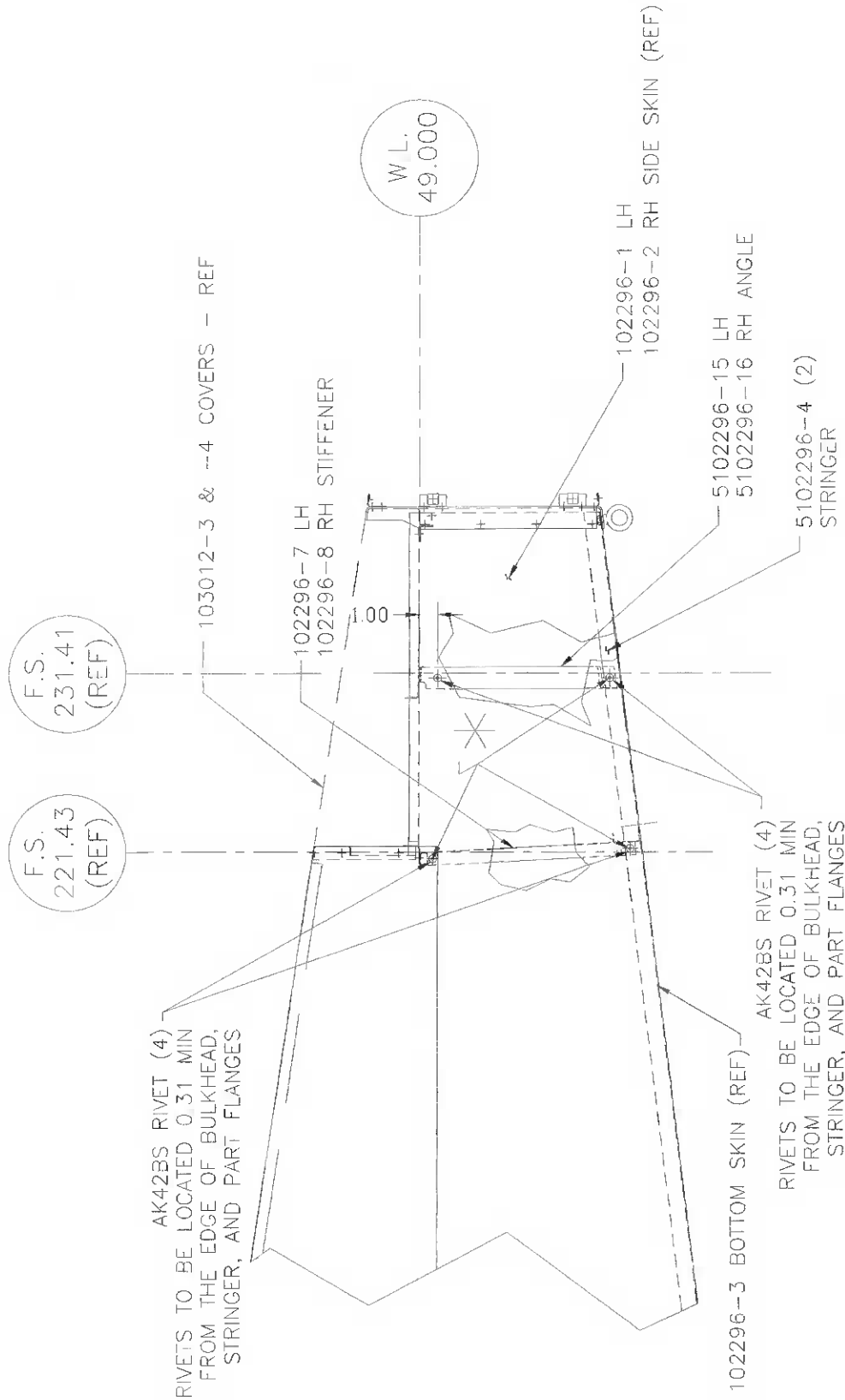


FIGURE 1



**FIGURE 2**

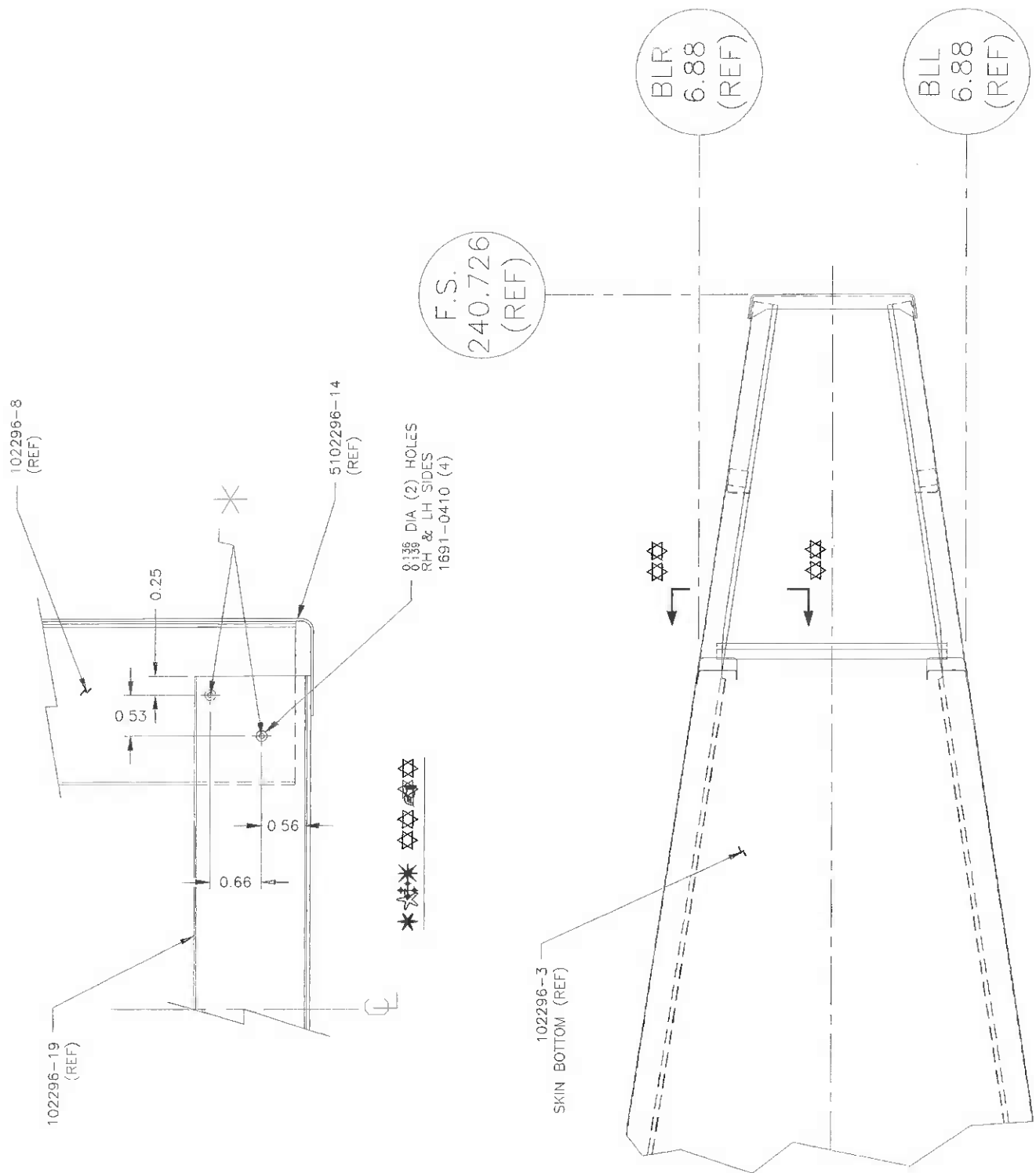


FIGURE 3