

Aero service letter **No. SL-AG-58**

Commander

P.O. BOX 3090 ALBANY, GEORGIA 31706-3090 PHONE 229/883-1440 FAX 229/439-9790

Service Letter No. SL-AG-58
June 06, 1969

HOPPER BAFFLE ATTACH T-ANGLE

APPLICABILITY: ALL S-2R Aircraft, Serial Number 1416R through 1487R.

There has been several reports that the lower forward baffle attachment T-angle separated or pulled away from the hopper wall. This caused a large fracture of the forward hopper wall near the bottom.

It is requested that an immediate inspection be made of the lower forward baffle attach T-angle. If separation from the hopper wall has occurred, the aircraft should be grounded until repairs are made, since increased hopper flexure will result in a major fracture.

If the T-angle is still attached to the hopper wall, inspections must be made daily until the following reinforcement is made. In no case should more than 25 hours flying time elapse before carrying out the reinforcement described in this service letter.

A reinforcement kit is being sent to all S-2R owners at no charge.

REPAIR/REINFORCEMENT PROCEDURE:

1. Clean the inside of the hopper thoroughly using appropriate solvents and/or detergent soap applied with a scrub brush on a long handle. Rinse with fresh water and leave both hopper lid and gate open a sufficient length of time to eliminate chemical fumes.
2. Wear a suitably rated respirator and protective clothing before entering hopper. An electric fan should be mounted above the hopper with the gate open so that fresh air is continually circulated through the hopper.
3. Remove the hopper baffles to allow working space. Remove spray pump and landing gear belly skin.
4. If the rear lower T-angle has separated from the hopper wall, place it in the original position. Then drill three 3/16" holes in each leg of the T-angle and through the hopper wall. The holes should be through the ends and middle of the T-angle and through the existing large punched holes. When drilling through the top end of the T-angle, it will be

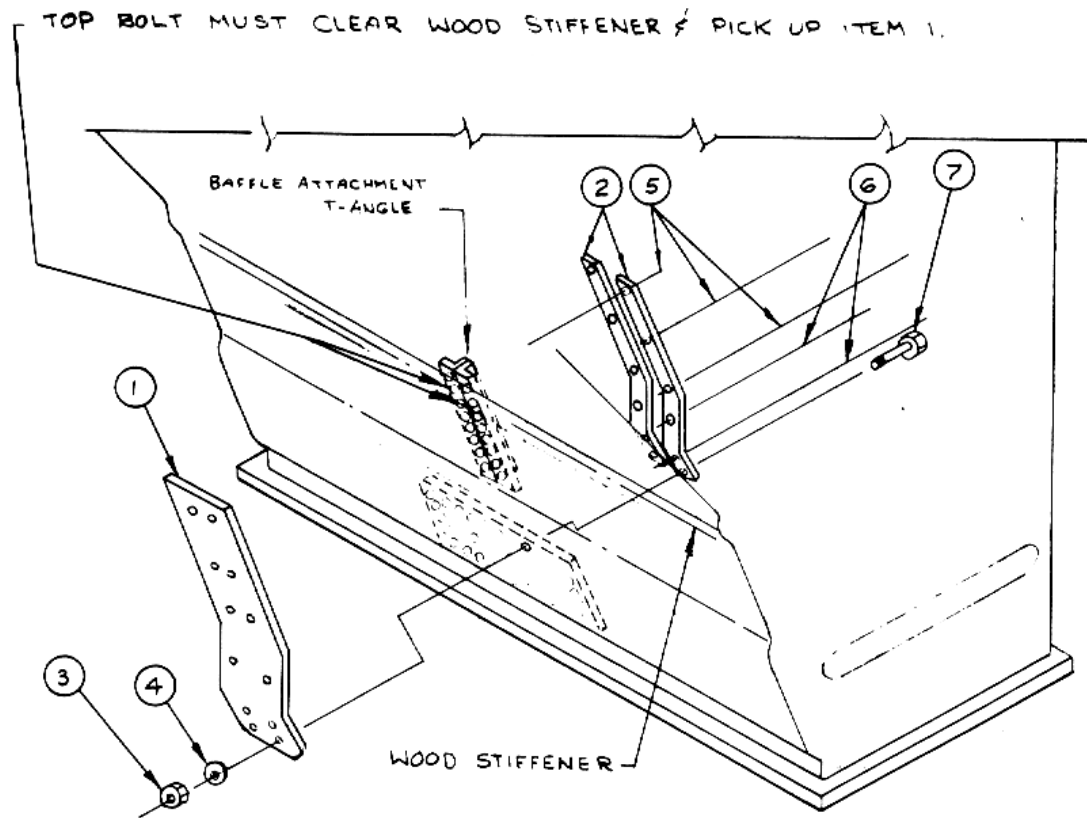
necessary to drop down enough to clear the wood stiffener on the outside of the hopper. Be sure these top holes will pick up the 10512 plate on the outside of the hopper.

5. After the 6 holes are drilled through the T-angle and hopper wall, place the 10512 plate on the outside of the hopper and position to pick up the 6 holes. Mark the hole location on the plate and drill the plate to match in a drill press.
6. Temporarily bolt the 10512 plate in position and drill 6 more 3/16" holes through the hopper in line with the first six and in the location shown on the attached drawing. The lower two holes should pick up the metal plate imbedded in the hopper.
7. Remove the 10512 plate and finish drilling the remaining 6 holes in a drill press so that the plate matches the 12 holes in the hopper.
8. Now scribe a centerline mark on each of the 10513 strips. Place the strips opposite the holes in the 10512 plate and drill the strips to match in a drill press.
9. Apply a coating of EPC-711 to the T-angle, strips, and plate and bolt the three parts to the hopper wall; sandwiching the T-angle between the strips and hopper wall. The plate goes outside the hopper. The bolt heads should be on the inside of the hopper. Note that the 6 longest bolts are used to attach the T-angle, the 4 shortest immediately below, and the 2 middle sized at the bottom through the imbedded metal plate.
10. Be sure the EPC-711 is applied around all bolts and plates so as to prevent leakage and allow to dry.
11. Inspect all surrounding areas of the hopper for cracks and make repairs as necessary using standard fiberglass repair procedures.
12. Water-check the hopper for leaks and then re-install baffles.

SERVICE KIT #58 PARTS LIST

1 ea.	10512	Plate
2 ea.	10513	Strip
6 ea.	AN3C-6A	Bolt
2 ea.	AN3C-5A	Bolt
4 ea.	AN3C-4A	Bolt
12 ea.	AN960C-10	Washer
12 ea.	AN363C-1032	Nut
1 Kit	EPC-711	Pro-seal

ITEM	P/N		NO. REQD.	DESCRIPTION
1	10512		1	PLATE
2	10513		2	STRIP
3	AN363C-1032		12	NUT
4	AN960C-10		12	WASHER
5	AN3C-6A		6	BOLT
6	AN3C-4A		4	"
7	AN3C-5A		2	"



ITEM	P/N	NO.	REMARKS
1	10512	1	PLATE
2	10513	2	STRIP
3	AN303C-1032	12	NUT
4	AN9600-10	12	WASHER
5	AN3C-6A	6	BOLT
6	AN3C-4A	4	"
7	AN3C-5A	2	"

TOP BOLT MUST CLEAR WOOD STIFFENER & PICK UP ITEM 1.

