

Rockwell service letter No. SL-AG-42

International

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Service Letter No. SL-AG-42
May 16, 1966

LANDING GEAR AXLE, THRU BOLTS.

APPLICABILITY: ALL S-2C, S-2D Aircraft, Serial NO.: (See below)

This service letter applies to any S-2C or S-2D aircraft having a wheel tread of 100 inches (measured center line of tire to center line of tire).

Mislocation of the original thru bolt has caused a critical edge distance in the axle assembly.

Perform the following inspection and rework if necessary.

Inspection and Rework Instructions:

1. On the right and left hand main landing gear tubular tripod assemblies, from the inboard face of the brake mounting flange, (see illustration) measure to the center line of the 5/16" diameter thru bolt. If this dimension exceeds 2 3/8 inches, perform #2 through #8 operations as follows:
2. Raise wheel with jack under tripod tube inboard of wheel, remove wheel, and place support under axle to free working area of jack.
3. Remove brake assembly (not necessary to disconnect brake hydraulic line). This will permit working area to locate and drill the hole called for in next step.
4. From the inboard face of the brake mount flange measure inboard 1 inch and 1/4 inch down from the lower edge of the weld on the triangular gusset on the front of the gear and center punch. On the aft side of the gear measure the same distance inboard and 1/4 inch below the weld of the aft tube of the tripod and center punch.
5. Drill as follows: (CAUTION: Use a slow speed drill motor to prevent burning of drills).
 - A. Drill 1/8" diameter hole, front and rear at the center punch marks above. Hold drill perpendicular to tube in all respects.

- B. Drill $\frac{1}{4}$ " diameter hole thru front and rear holes, drilling from one side only to align holes.
 - C. Finish drill $\frac{5}{16}$ " diameter hole thru front and rear holes from one side only.
6. Install AN5-30A Bolt with AN960-516 washer under head of bolt and under AN365-524 nut and tighten securely.
 7. Reassemble brake assembly, wheel, etc. and repeat operation on opposite side, if necessary.
 8. Make log book entry showing compliance.

SERVICE PARTS LIST

2 ea.	AN5-30A Bolt
2 ea.	AN365-524 Nut
4 ea.	AN960-516 Washers

