

# Rockwell service letter

No. SL-AG-40

## International

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

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November 22, 1965

### MODIFICATION OF BRAKE PUSH ROD

**APPLICABILITY:** ALL S-2C, Aircraft, Serial Number 1156 thru 1284C

There have been several cases of failure of Brake Push Rods at the transition from the ½" diameter to the ¼ - 20 Threads, just forward of the Brake Master Cylinder in the cockpit. Due to the vital function of this part it is recommended that it be replaced with a heavier Push Rod, which is available from the factory.

**INSTALLATION INSTRUCTIONS:** (Typical – both sides)

1. Remove Cotter, Nut and AN4-Bolt connecting Clevis Rod End and Bellcrank.
2. Replace Clevis Rod End and Brake Push Rod with new parts from the factory.
3. Attach new Clevis Rod End to Bellcrank with new hardware (one washer under head, one under nut.)
4. Adjust Clevis Rod End and Brake Push Rod to provide 1/8" minimum free movement of the Brake Control before engaging Brake Master Cylinder.
5. Tighten check nut on Clevis Rod End to preserve this configuration.
6. Check clearance of Brake Push Rod to Brake Master Cylinder over the entire travel. Bleed the hydraulic Brake Line near the main Landing Gear Wheel while applying brake to achieve maximum travel of Brake Push Rod in Master Cylinder. (Pull back rubber seal from entry of Master Cylinder for inspection purposes.) If the brake push rod touches the opening of the Master Cylinder in any position, remove Retaining Spring and Washer from Master Cylinder, open hole in Washer from 9/16" diameter to 5/8" diameter and reinstall. Check again for clearance.

### SERVICE KIT #40 – PARTS LIST

<u>DESCRIPTION</u>	<u>P/N</u>	<u>NO. REQ'D FOR A/C</u>
Brake Push Rod	5-7063-4	2
Clevis, Rod End	70124-1	2
Check Nut	AN316-6	2
Bolt	AN4-11	2
Washer	AN960-416	4
Nut	AN310-4	2
Cotter	AN380-2-2	2