

PITTS AVIATION ENTERPRISES, Inc.

P.O. BOX 548 • HOMESTEAD, FLORIDA 33030

May 23, 1972

SERVICE LETTER NO. 1

1. APPLICABILITY: This letter is non-mandatory, and applies to serial numbers of Pitts Aviation Model S-2A airplanes, from 2001, through serial no. 2024.
2. PURPOSE: To check for leaks in the brake hydraulic system.
3. DISCUSSION: We have had one report of a defective flare in the lower end of the brake hydraulic line where it attaches to the brake unit, at the lower end of the landing gear leg.
4. ACCOMPLISH THE FOLLOWING:
 - a) Inspect the aluminum hydraulic lines at the lower ends of the main landing gear legs, where they are attached to the wheel brake units, for evidence of hydraulic fluid leakage.
 - b) If evidence of leakage is noted, then disconnect the "B" nut, and remove the line from the brake unit. Examine the tube flare for over or under-forming, cracks, or excessive tool marks. If any of the above are noted, cut off the defective flare as close to it as convenient. Carefully re-flare the tube end and re-assemble to the brake unit, being careful to avoid over or undertorquing the "B" nut.
 - c) If the lower end of the brake line has been disconnected from the brake unit during the work of a) or b) above, it is required that the brake be bled and the reservoir on the master cylinder re-filled with hydraulic fluid complying with MIL-H-5606 (red).

APPROVED: (Pitts Aviation)
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