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SERVICE BULLETIN

SB037-0797

Subject: Gear Leg Witness Hole (Lancair IV & IV -P)

Date: 14 July, 97

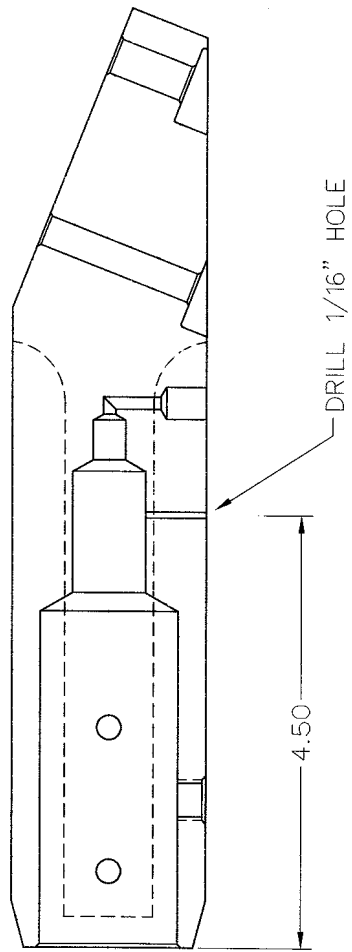
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Status: Advisory

Background: The Lancair IV gear leg has an internal brake line. This also means there is an internal hydraulic fitting as well. We have had reports of a leak coming from the lower GM455 machined end on the bottom of the leg. If a leak was to occur at the internal fitting of this part, it could take a while to discover.

Action: Drill a “witness” hole either in place on the airplane, or disassemble the lower leg and brake line system and drill the hole on a bench. Either way you should use a solid bit stop to prevent the bit from passing too far through the wall, which could result in damage to the fitting. Use a small bit, about 1/16” in diameter, and drill a hole set to a depth of 0.640”. Because the wall thickness is only 0.630”, this should be sufficient.



Note: During each preflight, inspect the witness hole in the leg and look for any signs of brake fluid. If you find some, you have an internal leak and it should be fixed before flight.