

Beech 95B-55, Corroded Fuel Pressure Line

A general aviation submission states, "I was motivated to access and closely inspect the right fuel-flow, pressure gauge line where it crosses the CEET type defrost duct because it looked like they may be contacting each other. I was concerned about chafing or corrosion. The upper right side area behind the instrument panel is very difficult to inspect. It is not accessible from above, or at arm's length from below. The line crosses above the duct. I almost gave up inspecting this area closely, but ultimately I found extensive corrosion at the point of contact. After the line was removed, I saw a slight bending pressure cracked the area wide open and that the corrosion had actually penetrated to the inside of the line; however, the line was not leaking up to this point in time. If a leak started, the only way to stop it would be to shut down the right engine.

I strongly recommend careful, intense inspection of all lines in the vicinity of any CAT or CEET type duct, as these are notorious for causing corrosion or chafing. This particular instance is, of course, model specific and is sufficiently serious to demand attention. This particular aircraft has very little corrosion overall, but this fuel line defect was definitely caused by the ducting.



Part Total Time: 3,000 hours

Beech 95B-55, Corroded Fuel Pressure Line