

Challenger Tech Tip

West Star Aviation has developed tooling to pressurize and leak check your 10th and 14th stage plumbing while in the hangar. This provides an advantage over leak checking plumbing outside with the APU and engines running. Although they continue to check for leaks in this manner, using the in-hangar method allows them to be in a quiet environment so they can hear the leaks. The plumbing temperature is also cool to the touch in the hangar so they can safely feel for leaks with bare hands, which enables them to easily find any leaks. West Star's equipment allows them to monitor the leak rate in sections of plumbing down to the 1/10th of a CFM. Using this same tooling, it is much easier to check operation of pneumatic valves and valves for leak through when closed. This tooling provides a much more efficient and accurate process for leak checks.

If you are experiencing cabin airflow issues or poor take-off engine performance you may want to consider a thorough inspection of your plumbing for leaks and proper valve operation. Whether you have it accomplished during your next major inspection, or scheduled separately, it will save you money and time trying to find the source of any leaks. West Star performs heavy maintenance, including every major inspection required on the Challenger airframe. We accomplish the Challenger landing gear restoration in-house, we have full avionics installations and repair capabilities, and accomplish custom paint & interior refurbishments.

Please contact Emily Mason at 970-261-1308 or Todd Burkey at 970-985-0774 for further information.