6.3.7.3 CALIBRATION PROCEDURE C: AIR DATA STATIC PRESSURE CALIBRATION

NOTE

Procedure C is only required if Section 6.3.8.2 results for the G5 fall outside the tolerances of the Part 43 Appendix E tests.

NOTE

If two G5's are installed, this procedure must be done on both and can be done concurrently.

GARMIN

The Air Data configuration page has a selection for static pressure calibration. This procedure is used to perform an altimeter calibration.

The static pressure calibration requires the use of a pressure control system (test set) with an altitude accuracy of at least ±5 ft. at sea level and ±20 ft. at 30,000 ft. It is necessary to re-calibrate to sea level (0 ft.), 10,000 ft., 20,000 ft., and optionally to 30,000 ft. The operator is allowed to finish the calibration at the end of the 20,000 ft. calibration if the aircraft operational ceiling is below 20,000 ft.

CAUTION

To avoid damaging the G5 pressure sensors, both the pitot and static ports must be connected to the test set.

1. Prior to running the calibration procedure below perform a static system leak check in accordance with 14 CFR Part 43 Appendix E.
2. Select the Air Data configuration page.
3. Select Calibrate Static Pressure.
4. Ensure all on-screen instructions have been complied with, then press Start.
5. At each calibration point the display will present a screen indicating the pressure altitude to set. Once the altitude is set, select Ready to calibrate this pressure.
6. During the calibration at each pressure, the pressure must be held constant for 30 seconds for the calibration step to be successful. The calibration may be cancelled at any point should the test setup require adjustment before repeating. A progress screen will be displayed showing the status of the test.
7. Select Done when the static pressure calibration is successfully completed.
8. Exit configuration mode.