

The following steps shall be performed when replacing the PFD or Autopilot computer on an airplane equipped with an S-Tec System 55X.

Note: The following steps are to be performed in-flight in smooth air

1. While NAV (without GPSS) mode is engaged on the System 55x, using a GNS-430 GPS source, insert an appropriately sized screwdriver into the slotted hole to perform the alignment procedures in accordance with the System 55x Installation Manual.
2. Engage the 55x in HDG mode and allow aircraft to "settle on heading bug" (If heading bug agrees with aircraft heading stop procedure here, other wise continue calibration steps below).
3. Turn both GNS-430 units off.
4. Enter the PFD System Setup Page (See section 7.5.1).
5. Turn both GNS-430's units back on.
6. Select "Perform A/P Cal".
7. Select "Sync HDG". Autopilot should immediately command the aircraft to turn toward the heading bug.
8. Select "Back to PFD".
9. Verify HDG mode accurately tracks heading bug.
10. Engage NAV (without GPSS) mode on the autopilot.
11. Verify NAV mode accurately tracks flight plan (Flight plan or waypoint will need to be entered).
12. A/P calibration is complete.

Note: If autopilot does not track the heading bug or NAV mode correctly repeat steps in this procedure.