



**CONFIGURATION DATA SHEET
727 RVSM Compliant Air Data System**

I. Customer Name and contact _____

II. Aircraft Model and Serial Number(s)

III. Design Engineering Requirements

Below is a list of requirements that ASM will need in order to determine which installation kit would best fit your aircraft.

- A. Digital photos, pictorial or descriptive layout of the current Air Data Computer installation in the E/E bay and altimeters/altitude alerter in the cockpit.
- B. Maintenance Manual Chapters 22, 33 and 34.
- C. Air Data System Wiring Diagrams
 - Air Data System 1
 - Air Data System 2
 - Autopilot Pitch Command and Yaw Dampers
 - Flight Director Pitch Command
 - GPWS
 - FMS/GPS (if applicable)
 - Total Air Temperature
 - Transponder 1
 - Transponder 2
 - Master Dim and Test
 - Captain's Instrument Panel Lighting
 - First Officer's Instrument Panel Lighting
 - P8 and P9 Control Stand Lighting
 - Windshear (if applicable)



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IV. Equipment Part Numbers:

A. Make, Model and Part numbers of the following equipment:

(Please circle appropriate configuration)

- No. 1 Air Data Computer _____
- No. 2 Air Data Computer _____
- Capt's Airspeed Indicator (pneumatic or electric) _____
- F/O's Airspeed Indicator (pneumatic or electric) _____
- Capt's Altimeter (pneumatic, electric or servo/pneumatic) _____
- F/O's Altimeter (pneumatic, electric or servo/pneumatic) _____
- Altitude alerter (altitude preselect?) _____
- No. 1 Transponder _____
- No. 2 Transponder _____
- Autopilot (SP50 or SP150) _____
- Flight Director (FD108, FD109 or Sperry) _____
- Ground Proximity Warning Computer _____
- TAT Probe (single, dual or triple element) _____
- FMS/GPS _____
- Windshear _____

B. If only one air data computer is installed identify what provisions are installed (if any) for the 2nd Air Data Computer: _____

C. Does No. 2 pitot/static plumbing exist in the E/E bay and if so on what shelf is the plumbing located?

D. Is there a mounting tray installed in the E/E bay for the No. 2 Air Data Computer? If so on what shelf is it located?

E. Does wiring exist for the No. 2 Air Data Computer (No. 2 Air Data wiring diagram)?

F. Is the aircraft currently equipped with an autopilot altitude select function?

G. Where is the altitude alerter currently located?



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NOTES:

ASM offers two (2) RVSM compliant STC configurations for the B727 series aircraft. One configuration utilizes a single DADC with a repeater altimeter in the Captain's instrument panel, an ADDU (Air Data Display Unit) for the F/O's altimeter and an altitude alerter. The altitude alerter does not incorporate an altitude preselect function. The second configuration utilizes dual DADCs with repeater altimeters for the Captain's and F/O's altitude indicators and an altitude alerter. The altitude alerter does not incorporate an altitude preselect function. Both configurations require that a standby pressure altimeter be available in the P1 or P2 instrument panel.

There are three (3) variants of Pitot/Static installations on the B727 series aircraft:

1. Aux pitot/static plumbing to the E/E bay only. This was the original B727 configuration. This is not a certifiable configuration for RVSM. At a minimum, Captain's pitot/static plumbing would need to be installed to the E/E bay to support the installation of a Digital Air Data Computer.
2. Captain's pitot/static plumbing to the E/E bay, for late model B727-100s and early B727-200s. This configuration can use the ASM "single DADC and ADDU configuration".
3. Captain's and F/O's pitot/static plumbing to the E/E bay for B727-200s. This configuration can use the ASM "dual DADC configuration". Some of these aircraft are equipped with complete provisions for a second air data computer installation.

**RETURN THIS COMPLETED FORM TO AIRCRAFT SYSTEMS AND MANUFACTURING
ATTN: JANETTE HERRELL janette@asminc.net , or fax to 512-869-2637.**