

**N999BU**  
**2006 Vans RV-6A**  
**Las Cruces, NM**

**\$105,000**

**Reason for Sale**

Mission has changed. Job no longer requires significant travel. No longer need a high-performance plane to commute quickly across mountains.

**Highlights**

- Always hangared.
- No airframe damage.
- O-360-A1A with 180 HP, fixed pitch prop.
- TTE/TTAF: 834.
- Only 105 hours since major engine teardown, inspection, and reassembly:
  - Performed by Certified Repair Station No: HO1R-199K.
  - Certified engine overhaul shop removed the engine, disassembled and inspected, installed new crankcase, crankshaft, connecting rod bearings, gaskets, seals, connecting rod bolts and nuts, and crankshaft gear bolt with locking tab. All manufacturer AD/SB's complied with. The cylinders were bench checked, bores honed and new piston rings installed. New carb heat cable.
  - New starter motor.
  - New RH magneto and magneto harness.
  - New battery
- Full logbooks, info about all prior owners, pictures and written commentary from the original builder.
- Experienced builder was aerospace engineer and EAA Chapter Technical Advisor.
- Fresh conditional 01/2024.
- All Service Bulletins checked and complied with.
- Trim: Electronic roll, manual pitch, uninstalled kit for manual yaw.
- Impressive panel with 3 GPS systems and ADS-B In/Out (see detailed section below).
- Sliding canopy.
- Larger RV-7 style tail only seen in late-model RV-6 builds.
- Dual nose panels to access the area between panel and firewall.
- Custom cover including airframe from nose to tail and wings.
- Electrically-actuated flaps.
- Articulating lpad panel mount and panel charger.

### **Known Caveats**

- Aft section of the fiberglass nose-wheel pant broke off. Not shown in ad pictures. Has not impacted performance.
- Manifold pressure and EGT gauges are inoperative (see detailed section below).
- Right wing has a small shallow dent on the leading edge, roughly 3 inches wide and half inch deep. Cause unknown. No noticeable effect on performance.
- No builder-provided POH/AFM.

### **Panel and Cabin**

#### **Highlights**

- Three GPS systems:
  - IFR-capable, panel-mounted Garmin 300XL
  - Garmin GPSMAP 496
  - Ipad connected to Foreflight and ADS-B In (e.g. weather/traffic)
- Two Garmin G5's providing:
  - Attitude indicator
  - Redundant airspeed indicator
  - Redundant altimeter
  - Directional Gyro
  - Magnetic Compass
- Stratus ESG Transponder
- Stratus 2S ADS-B In/Out
- 4-cylinder CHT and EGT gauges (EGT inop)
- Electric flaps
- AOA indicator
- Digital chronometer
- Digital fuel flow meter
- Fuel pressure gauge
- Electric fuel primer pump
- Oil temperature and pressure gauges
- G-meter
- Electric roll trim
- Manual pitch trim and uninstalled kit for manual yaw trim
- Voltmeter
- Outside air temperature gauge
- Dimmable panel ring lights for captain's gauges

#### **Detailed Panel and Cabin Configuration**

The following figure depicts the panel and cabin configuration of N999BU.

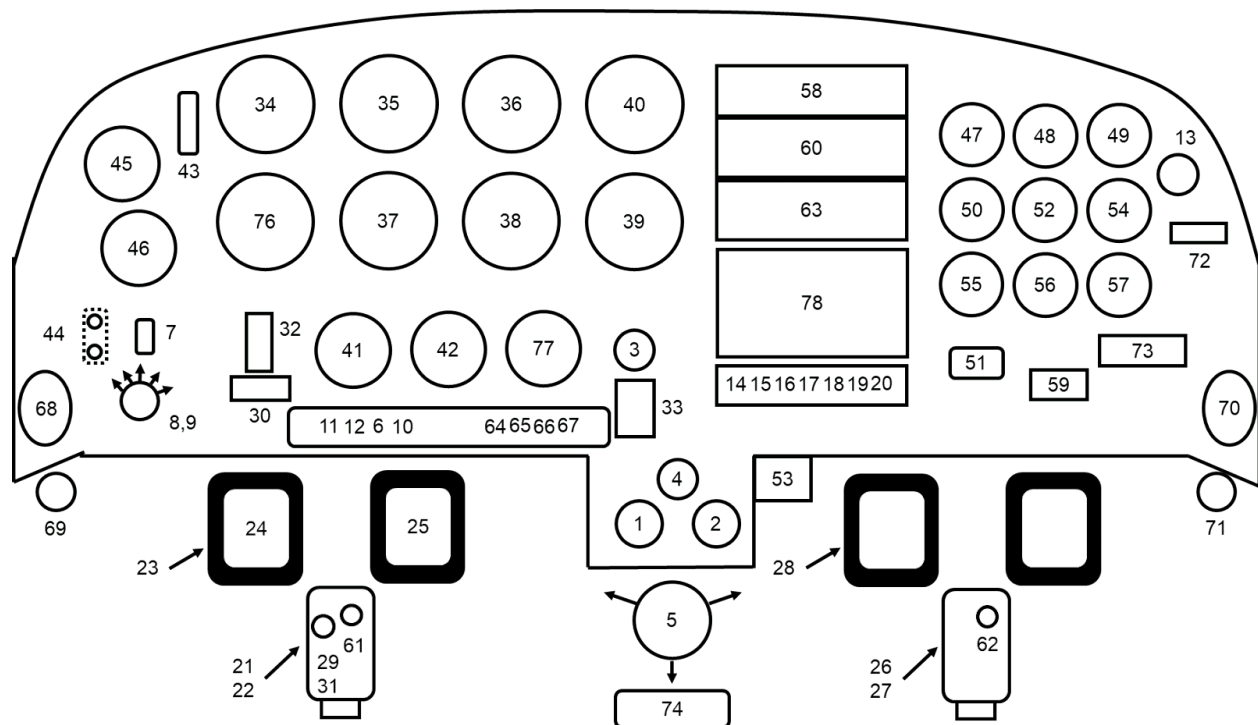
Each element is numbered in accordance with the equipment list provided below. The equipment list gives the item name, its physical description, and its manufacturer/part number, if known.

The aircraft once had an electronic ignition system on the right side. This was removed and a physical magneto installed. There are some panel switches and circuit breakers related to this system that have not been removed.

The aircraft once had electric pitch and roll trim, controlled from the pilot's stick. The roll trim was unchanged, but the pitch trim was removed and a manual pitch trim was placed between the seats.

Items that have been removed are highlighted in red and crossed out.

Items that are inoperational are highlighted in red but not crossed out.



## Engine Controls

- |                         |                  |                            |
|-------------------------|------------------|----------------------------|
| 1. Throttle             | push rod (black) | Textron Lycoming O-360-A1A |
| 2. Mixture              | push rod (red)   | Textron Lycoming O-360-A1A |
| 3. Carburetor Heat      | pull rod (black) | Textron Lycoming O-360-A1A |
| 4. Alternate Air Intake | pull rod (black) | Textron Lycoming O-360-A1A |

## Fuel Controls

- |                        |                |                           |
|------------------------|----------------|---------------------------|
| 5. Fuel Selector Valve | rotating valve | Vans FUEL VALVE           |
| 6. Auxiliary Fuel Pump | toggle switch  | Facet 574A                |
| 7. Engine Fuel Primer  | toggle switch  | Vans EA ENGINE PRIMER SYS |

## Ignition Controls

8. L Magneto	(L) key switch	Bendix S4LN-21 (impulse coupling)
9. R Magneto	(R) key switch	Bendix S4LN-20 (no imp. coupling)
<del>10. R Electronic Ignition</del>	<del>toggle switch</del>	<del>LSE Plasma II CD Ignition System</del>
(REMOVED)		

## Electrical System Controls

11. Battery	toggle switch	Concorde RG-25XC
12. Alternator	toggle switch	Sky-Tec 149-12LS
13. USB Power Source	USB Port	Not recorded

### Circuit Breakers (CB)

14. Alternator	Push-pull CB	50 A
15. Engine Fuel Primer	Push-pull CB	5 A
16. Flap Motor	Push-pull CB	5 A
17. Roll/Pitch Trim	Push-pull CB	5 A
18. GPS/Comm system	Push-pull CB	10 A
19. Transponder	Push-pull CB	5 A
20. Electronic Ignition	Push-pull CB	5 A (NOT USED / INOPERATIVE)

## Flight Controls

21. L Seat Ailerons	L stick	Vans RV-6A Basic Kit
22. L Seat Elevator	L stick	Vans RV-6A Basic Kit
23. L Seat Rudder	L pedals	Vans RV-6A Basic Kit
24. L Seat L Brake	L pedal lever	Vans RV-6A Basic Kit
25. L Seat R Brake	R pedal lever	Vans RV-6A Basic Kit
26. R Seat Ailerons	R stick	Vans RV-6A Basic Kit
27. R Seat Elevator	R stick	Vans RV-6A Basic Kit
28. R Seat Rudder	R pedals	Vans RV-6A Basic Kit
29. Elect. Roll Trim	L stick	MAC/Ray Allen Trim Kit
30. Elect. Roll Trim Ind.	Horizontal LEDs	Ray Allen RP3 LED Indicator
<del>31. Elect. Pitch Trim</del>	<del>L stick</del>	<del>MAG/Ray Allen Trim Kit (REMOVED AND</del>
<del>REPLACED WITH MANUAL PITCH TRIM BETWEEN SEATS)</del>		
32. Elect. Pitch Trim Ind.	Vertical LEDs	Ray Allen RP3 LED Indicator
33. Elect. Actuated Flaps	Rocker switch	Vans RV-6 EF-600 Kit

## Instruments and Gauges

34. Airspeed Indicator	Panel gauge	UMA 16-310-240D
35. Attitude Indicator	Panel gauge	<del>Falcon Gauge GH02V-3 (REMOVED AND</del>
<del>REPLACED WITH GARMIN G5)</del>		
36. Altimeter	Panel gauge	Falcon Gauge ALT20INF-3N

37. Directional Gyro	Panel gauge	<del>Falcon Gauge DG02E-3</del> (REMOVED AND REPLACED WITH GARMIN G5)
38. Vertical Speed Ind	Panel gauge	Falcon Gauge VSI3FM-3
39. Tachometer	Panel gauge	Stewart Warner 820586
40. Gauge Ring Light	Rotating knob	MaxDim Module 9100-001-A
41. Chronometer	Panel gauge	Davtron Inc M811C
42. Fuel Flow Meter	Panel gauge	JP Instruments Fuel Scan FS-450
43. Angle of Attack Ind	Vertical color LEDs	Advanced Flight Systems AOA Sport
44. AoA Controls	Push buttons	Advanced Flight Systems AOA Sport
45. Manifold Pressure	Panel gauge	Vans VMP35 (INOPERATIVE BECAUSE NO LONGER NEEDED WHEN ELECTRONIC IGNITION REMOVED)
46. Accelerometer	Panel gauge	Falcon Gauge GM510-2
47. Oil Pressure	Panel gauge	Vans VOP100
48. Oil Temperature	Panel gauge	Vans VOT250
49. Voltmeter	Panel gauge	Vans VV16
50. Cylinder Head Temp	Panel gauge	Electronics International VCHT600
51. CHT Selector	Rotating switch	Electronics International RS4-1S
52. Exhaust Gas Temp (INOPERATIVE)	Panel gauge	Aerospace Logic, Inc. ASL-EG100
53. EGT Power Switch	Push button	Not recorded
54. Fuel Pressure	Panel gauge	Vans VFP15
55. L Fuel Tank Level	Panel gauge	Vans VFL15
56. R Fuel Tank Level	Panel gauge	Vans VFL15
57. Outside Air Temp	Panel gauge	Cyberdyne ST1100

## Radio, Communication, and Navigation Devices

58. Audio Panel	Panel rack	King KMA-20
59. Audio Intercom	Panel mount	ENRI Technology ITC-404SP
60. GPS/VHF Transcvr	Panel rack	Garmin GNC 300XL
61. L Stick Radio Button	L Stick	Not recorded
62. R Stick Radio Button	R Stick	Not recorded
63. Transponder	Panel rack	<del>Bendix King KT76A</del> (REMOVED AND REPLACED WITH STRATUS ESG AND STRATUS 2S ADS-B IN/OUT)

## External Lights

64. Landing Light	Toggle switch	Vans RV-6A Basic Kit
65. Taxi Light	Toggle switch	Vans RV-6A Basic Kit
66. Position/Nav Lights	Toggle switch	Vans RV-6A Basic Kit
67. Strobe Light	Toggle switch	Vans RV-6A Basic Kit

## Climate Controls

68. L Cabin Heat Vent	Swivel vent	Vans RV-6A SV Kit
69. L Cabin Heat Control	Pull rod (black)	Vans RV-6A SV Kit
70. R Cabin Heat Vent	Swivel vent	Vans RV-6A SV Kit
71. R Cabin Heat Control	Pull rod (black)	Vans RV-6A SV Kit

## Emergency Equipment

72. Emerg Locat. Trans.	Toggle switch	Kannad ELT 406
73. Passenger Warning	Panel plate	As required
74. Fire Extinguisher	Between seats	As required
75. Seat Restraints	One per seat	Vans RV-6A Basic Kit (NOT SHOWN)

## Unused Positions

76. Unused Panel Gauge Position		
77. Unused Panel Gauge Position		
78. Ipad and Mount	Articulating Mount	MyGoFlight Compact Bolted Slide