
Installation Bulletin

BULLETIN NO: 262

APPLICABLE TO: KAP 150 and KFC 150 Flight Control Systems

This bulletin authorizes the use of the KEA 346 Servoed Encoding Altimeter with the KAS 297B Altitude/Vertical Speed Selector in KAP 150 and KFC 150 Flight Control Systems. This bulletin also authorizes the use of the KAS 297B Altitude/Vertical Speed Selector, P/N 065-0065-01, in lieu of P/N 065-0065-00 in KAP 150 and KFC 150 Flight Control Systems.

AIRCRAFT

STC

Beechcraft A36, A36TC, B36TC	SA1574CE-D
Beechcraft F33A	SA1789CE-D
Cessna U206G, TU206G (Landplane, Seaplane, Amphibian)	SA1569CE-D
Cessna R182, TR182	SA1571CE-D
Cessna 182P, 182Q, 182R, T182	SA1770CE-D
Cessna 210R, T210R	SA2050CE-D
Cessna 208, 208A, 208B	SA2053CE-D
Consolidated Aeronautics Lake 250	SA2069CE-D
Gulfstream Aerospace AG-5B	SA00058WI-D
Mooney M20J, M20K	SA1561CE-D
Mooney M20L	SA2074CE-D
Mooney M20M, M20R	SA2319CE-D
Partenavia AP68TP 300, AP68TP 600	SA1784CE-D
Partenavia P68C, P68C-TC	SA1791CE-D
Piper PA-28R-201, PA-28R-201T	SA1563CE-D
Piper PA-28RT-201, PA-28RT-201T	SA1563CE-D
Piper PA-28-161, PA-28-181, PA-28-236	SA1565CE-D
Piper PA-32-301, PA-32-301T	SA1567CE-D
Piper PA-32R-301, PA-32R-301T	SA1572CE-D
Piper PA-34-200T, PA-34-220T	SA1575CE-D
Piper PA-60-700P	SA1777CE-D
Piper PA-46-310P, PA-46-350P	SA1778CE-D
Reims-Cessna FR182	SA1783CE-D
Reims-Cessna F182P, F182Q	SA1794CE-D
Socata TB 10, TB 20	SA1785CE-D

In response to customer requests, AlliedSignal has revised the above-listed autopilot certifications to allow the choice of either a KEA 130A 3-Pointer Pneumatic Altimeter OR a KEA 346 Servoed Drum-Pointer Altimeter in a KAP/KFC 150 System with the KAS 297B Altitude/Vertical Speed Selector option.

The KEA 346 units applicable for use with this system are:

KEA 346	066-3062-08	28V Lighting	Black
	066-3062-09	28V Lighting	Grey
	066-3062-10	5V Lighting	Black
	066-3062-11	5V Lighting	Grey

The KAS 297B unit applicable for use with the KEA 346 is:

KAS 297B	065-0065-01	14/28V Lights	Black
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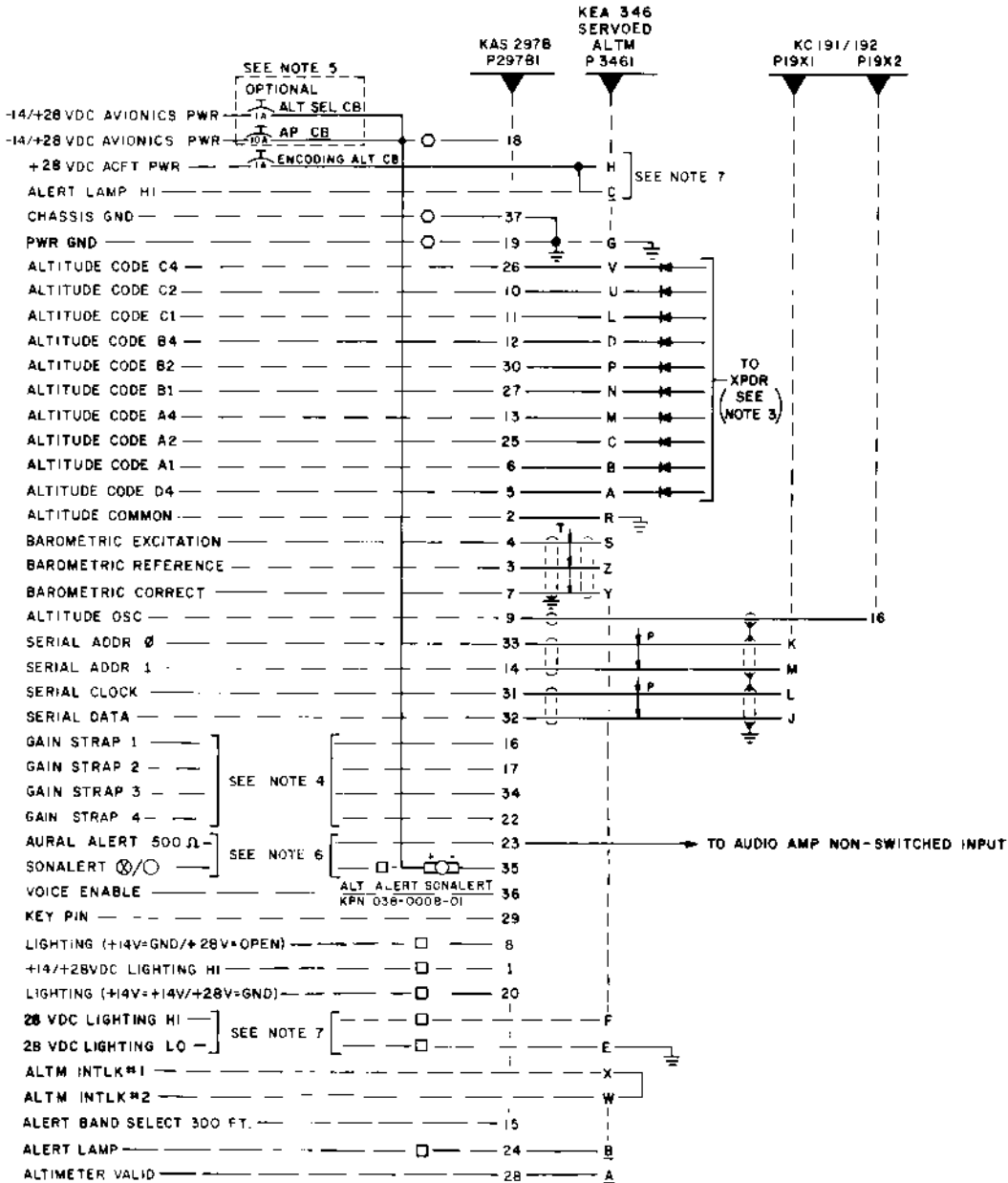
The KAS 297B, P/N 065-0065-01, is compatible with the KEA 130A and is approved as a replacement for the KAS 297B, P/N 065-0065-00.

NOTE

When a servoed altimeter is installed, a standard pneumatic type altimeter must be retained in a position useable by the pilot.

In aircraft with +14V electrical systems, a +14V to +28V converter, P/N 068-1016-03 is required for the KEA 346 (included in the kit).

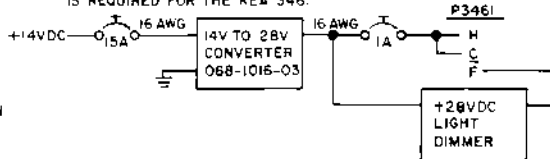
FAA APPROVAL: The data contained herein have been reviewed by a representative of the Federal Aviation Administration (FAA) and found to comply with all applicable Federal Aviation Regulations. This Installation Bulletin is FAA-approved, and its contents may be incorporated into the subject aircraft.



NOTES:

- 1 UNLESS OTHERWISE NOTED ALL WIRES ARE 24 AWG.
- 2 WIRES MARKED \square ARE 18 AWG
WIRES MARKED \square ARE 20 AWG
WIRES MARKED \triangle ARE 22 AWG
- 3 DIODE ISOLATION AT THE TRANSPONDER IS REQUIRED FOR CORRECT SYSTEM OPERATION. IF THE TRANSPONDER USED DOES NOT HAVE INTERNAL ISOLATION DIODES, INSTALL AN IN4003 OR EQUIVALENT DIODE ON EACH CODE LINE INTO THE UNIT.
- 4 REFER TO YOUR SPECIFIC AIRPLANE'S KAP100/150/KFC150 S.T.C. INSTALLATION MANUAL FOR THE PROPER GAIN STRAPPING.
- 5 THE KAS 297B MAY BE POWERED BY THE AP BUS OR THRU A SEPARATE 1A ALT SEL CB.
- 6 THE KAS 297B PROVIDES AN AURAL ALERT AUDIO OUTPUT AS WELL AS AN AURAL ALERT DRIVE FOR A SONALERT. ONE OF THESE MUST BE USED. IT IS RECOMMENDED IN AIRCRAFT HAVING HIGH NOISE LEVELS OR WHEN HEADSETS ARE FREQUENTLY USED TO CONNECT THE AUDIO OUTPUT TO THE AIRPLANE'S AUDIO SYSTEM. THE AUDIO AMPLIFIER OUTPUT SHOULD BE UNSWITCHED AND UNMUTED.

7 FOR +14VDC INSTALLATIONS A +14 TO +28V CONVERTER IS REQUIRED FOR THE KEA 346.



8. FOR USE WITH A KEA 346, THE KAS 297B MUST BE 068-0085-01