

Integrated Flight Deck & RVSM Retrofit for Cessna 441 Conquest II Aircraft



*Alliant modernizes
the popular Cessna
441 Conquest II
with state-of-the-art
glass panel displays,
an all-digital flight
control system, and
optional RVSM.*



The Alliant Retrofit for the Cessna 441 Conquest II includes Avidyne's *Envision* Integrated Flight Deck System and the S-TEC 2100 Digital Autopilot. Alliant is also available with an RVSM option for operators who fly the aircraft above 29,000 feet.

Based on the Avidyne *Entegra* integrated flight deck for new aircraft, *Envision* continues Avidyne's Flying Made Simple™ philosophy to make GA flying safer and simpler with advanced yet intuitive cockpit technology. Avidyne systems have been recognized for their intuitive operation and logical design. *Envision* extends this tradition to Cessna 441 Conquest II aircraft.

The *Alliant* package II includes dual-redundant Avidyne EXP5000 10.4" primary flight displays (PFDs), Avidyne EX500 or EX5000 multi-function display (MFD) with Avidyne's exclusive *CMax*™ electronic charts, the S-TEC *IntelliFlight* 2100 digital autopilot and Mid-Continent two-inch standby instruments. Options include RVSM-compliant Air Data Systems, Avidyne's MLB700 Broadcast Datalink Receiver, TAS600 traffic advisory system, and TWX670 tactical lightning detection system.



The Avidyne EXP5000 Primary Flight Display integrates all of the standard flight instrumentation, including attitude, airspeed, altitude, vertical speed, turn & bank, and Compass/HSI, while adding a pilot-selectable moving-map of flight plan data, a Bearing pointer, Autopilot mode annunciation, flight director command bars and optional display of ADF and Radar Altimeter.

All-Digital, Attitude-Based Autopilot



The S-TEC IntelliFlight™ 2100 is a full-featured digital, multi-axis, attitude-based autopilot.

The IntelliFlight 2100 features all the advanced modes you come to expect on a high-end digital autopilot including: GPS Roll Steering (GPSS), Heading Hold, NAV & Approach Modes, Altitude Hold with Altitude Trim, Indicated Airspeed (IAS) Hold, Vertical Speed Select & Hold, Course Intercept Capability, and Yaw Damper.

From takeoff to touchdown, the S-TEC IntelliFlight 2100 DFCS combined with Avidyne’s Envision System creates the ultimate flight management system for Conquest owners and operators.



The EX5000 MFD provides full-function, large-format moving map capability, including the ability to overlay satellite datalink graphical weather.



The EX5000 also provides access to CMax™ Electronic Approach Charts.



The EX5000 can replace your Wx Radar indicator and allow radar to be overlaid on your moving map (when coupled with an RDS8X-Series or RDR2000-Series radar R/T.)



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Avionics installations require special skills and test equipment. Avidyne's limited warranties are valid only for equipment installed by factory-authorized service centers. Avidyne reserves the right to make changes to product specifications and design features without notice. Some products may require additional hardware for full feature capability.