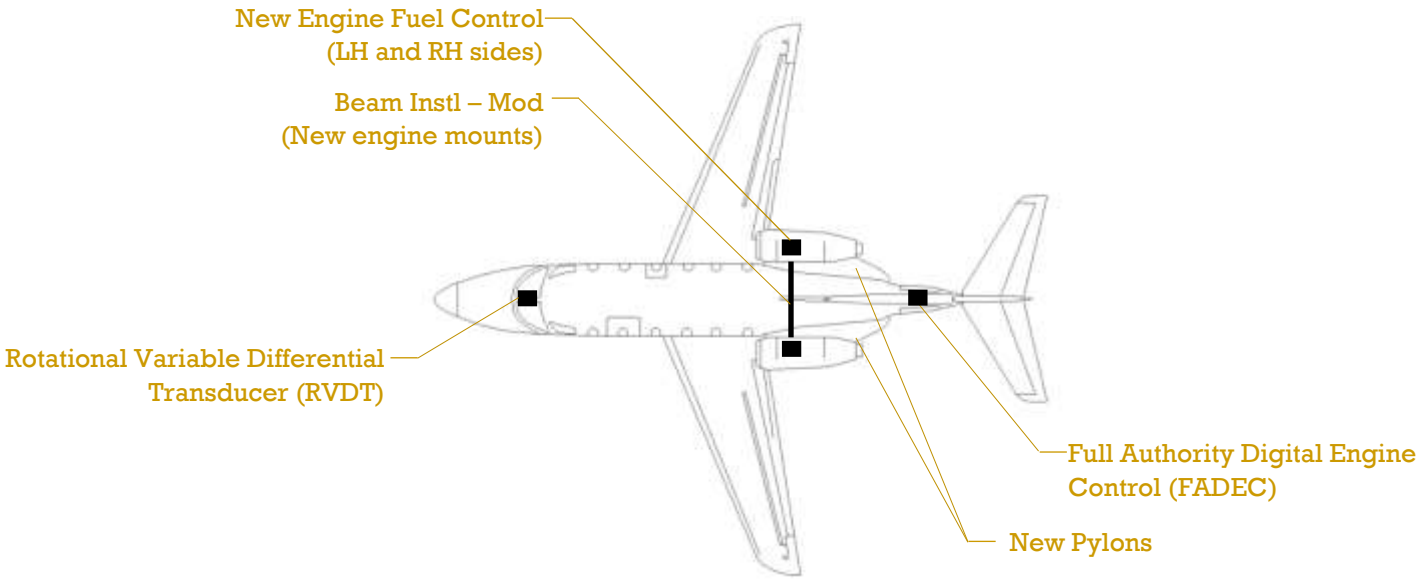
FJ44-3AP Engines STC Information Sheet

FAA STC# ST02371LA, Beechcraft Model 400A aircraft, Please Contact Nextant Aerospace at 216-261-9000 or engineering@nextantaerospace.com for STC and Kit Pricing and Availability.

- STC# ST02371LA allows for:
  - Replacement of Pratt & Whitney JT15D-5 series engines with Williams International FJ44-3AP engines. Includes Full Authority Digital Engine Control (FADEC) and associated systems.

Equipment Description	Part number	QTY
Full Authority Digital Engine Control (FADEC)	123866	2
Rotational Variable Differential Transducer (RVDT)	3A21200096	2
Beam Instl - Mod	N530100-001	1

Locations:



- Williams FJ44-3AP Engines:
  - The installation of the FJ44 engines with FADEC is a pre-requisite for upgrading Autothrottles.
  - 5% more fuel efficient.
  - Fuel/oil heat exchanger which eliminated the need for anti-icing fuel additive.
  - FADEC equipped. RVDT eliminates mechanical throttle to engine fuel control, which means no more:
    - Throttle cables running from the cockpit to the engines.
    - Time consuming maintenance headaches (Linkage wear, cable tension, adjustments, travel, limits, stops).
    - Cable hysteresis.
  - Higher Bleed Air Pressure (BAP).
    - On the Pratt & Whitney Engines, the Pressure Regulating Shutoff Valve (PRSOV) could only run with full bleed air when the throttle was above 60%. Below 60% there was less bleed air flow for anti-ice and air conditioning. With the FJ44 engine, full bleed air is available throughout power range.

- STC Data Package:
  - Letter of Authorization (LOA)
  - FAA STC Certificate
  - EASA STC Certificate
  - Master Data List (MDL)
  - Instructions for Continued Airworthiness (ICA)
  - Airplane Flight Manual Supplement (AFMS)
  - Weight and Balance Supplement
  - Electrical Load Analysis (ELA)
  - Wiring Diagram
  - Structural/Installation Drawing