

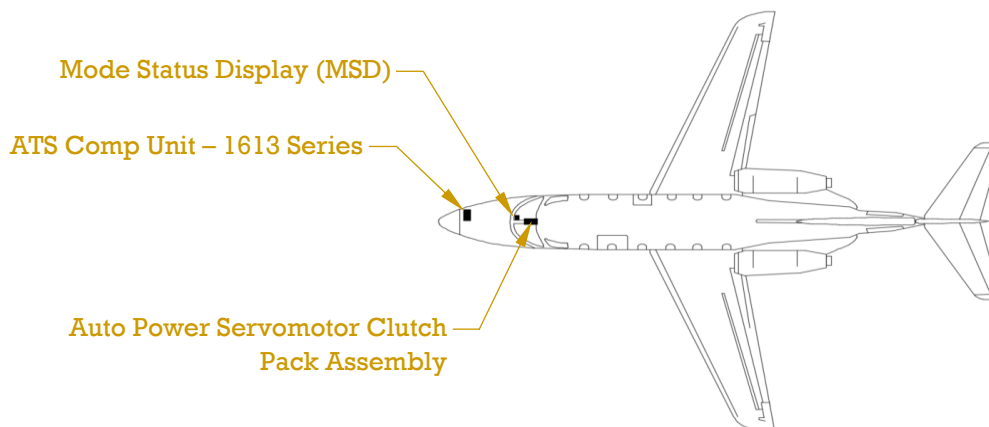
Automatic Throttle System (ATS) STC Information Sheet

STC# ST03473CH, Textron 400A aircraft, Please Contact Nextant Aerospace at 216-261-9000 or engineering@nextantaerospace.com for STC and Kit Pricing and Availability.

- **STC# ST03473CH allows for:**
 - The Installation of Safe Flight Auto Power Automatic Throttle System (ATS) with Collins Pro Line 21 Avionics Suite and Williams FJ44-3AP Engines.
- **Required Modifications:**
 - The throttle quadrant is to be modified as follows:
 - Install ATS servomotor clutch pack connected to Throttle/RVDT linkage.
 - Fabricate and install a throttle arm friction lock.
 - Modify the right engine throttle knob and install an ATS disconnect switch.
 - Modify or fabricate a new throttle quadrant overlay panel.
 - Modify or fabricate a new pedestal RTU panel and install a new ATS engage switch.
 - Modify the existing instrument panel by installing the Mode Status Display (MDS) panel.
 - Modify the existing forward circuit breaker panel overlay and install new circuit breakers for the ATS installation.
 - Relocate the Audio Warning Amplifier/Tone Generator unit from under the upper nose avionics rack to the left side forward avionics bay support bracket.
 - Modify the existing nose avionics right hand lower bay to allow installation of the ATS Computer.

Equipment Description	Part number	QTY
ATS Comp Unit – 1613 Series	C-101635-1	1
Mode Status Display (MSD)	C-101604-1	1
Auto Power Servomotor Clutch Pack Assembly	C-101618-1	1

Locations:



- Pre-requisites:
 - The aircraft MUST be upgraded to FJ44 engines per Nextant Aerospace STC ST02371LA.
 - The aircraft MUST be upgraded to an XTi cockpit in conjunction with or prior to the Auto Throttles installation and per Nextant Aerospace Proline 21 STC ST10959SC.
 - The aircraft MUST have the standby instruments upgraded to a MD302 in conjunction with or prior to the Auto Throttles Installation.

- Automatic Throttle System (ATS):
 - Automatic Throttles can be engaged throughout all flight profiles:
 - Engage the throttles at the end of the runway prior to take off and experience the throttles automatically set to take off power.
 - During climb out, throttles are automatically set for ascent rate and speed.
 - Eliminates throttle tweaking for cruise.
 - Simplifies approach by monitoring rather than active throttle control.
 - The Automatic Throttles will stay engaged until touchdown, where it will automatically disengage.

- 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