



KING AIR B300/350 SERIES WITH PT6A-67A

ENGINES

FAA STC SA02658LA

KIT SA02658LA-67A

THIS DOCUMENT IS SIMPLY AN OUTLINE OF THE STC INSTALLATION PROCESS *FOR PLANNING PURPOSES ONLY*. THE FAA APPROVED DOCUMENTS IDENTIFIED ON THE STC CERTIFICATE SUPERCEDED THIS DOCUMENT AND SHOULD BE USED FOR ALL INSTALLATION & OPERATIONAL PURPOSES.

AIRCRAFT APPLICABILITY:

B300, B300C

All FL-, FM- & FN- Serial Numbers

ELIGIBLE PROPELLERS:

MT PROPELLER

MTV-27-1-N-C-F-R(P)CFR260-65b

REQUIRED AIRCRAFT CONFIGURATION:

The aircraft must be equipped with Dual Aft Body Strakes installed at manufacture or per Raisbeck Engineering STC SA3519NM.

Collins ProLine 21 equipped aircraft must incorporate the BHE & Associates ProLine 21 Update STC SA11133SC with the appropriate configuration file installed

Garmin G1000 equipped aircraft must up-grade to the G1000-NXi with the appropriate configuration file installed

MAJOR INSTALLATION TASKS REQUIRED:

1. Pre-mod aircraft performance evaluation (flight check). complete the Pre-mod Aircraft Evaluation worksheet, BH-029, and provide BMI with a copy.
2. PWC acceptance of existing engines as cores. complete the engine core qualification worksheet, BH-018, and submit to BMI.
3. Removal of existing engines and propellers.
4. Clean, inspect, repair firewall and retained equipment as necessary.
5. Remark the existing gas generator tachometers (Ng), ITT & Oil temp/press indicators per STC instructions, only required on ProLine 2 equipped aircraft.



6. Transfer all engine mounted airframe components from the old to new engines
 - A. Do not re-install the propeller low pitch stop solenoid or linkage. The proximity switch for the prop pitch annunciator will still be required
 - B. Install the prop de-ice brush and prop sync speed sensor brackets supplied with the new propeller
 - C. If not already equipped, replace the air conditioning compressor drive “dry spline” quill shaft with a “wet spline” quill shaft per beech SB 21-3303, Rev 1, required parts are customer supplied.
 - D. The start/gen cooling duct adaptor will require a minor modification per STC instructions
7. Modify the engine baffle aft web assemblies, top forward cowls and left cowl door panels, install an oil cooler air outlet flap per the STC instructions.
8. Install the engine and propeller per the King Air 300 series maintenance manual
 - A. Engine vibration isolator mounts and flammable fluid hoses are time replacement items which are not supplied by Blackhawk but are replaced at the installers desecration.
9. Rig the engine and prop controls; de-preserve the engine fuel system
10. Blackhawk strongly recommends the aircraft is weighed to establish accurate post-modification weight & balance data
11. Complete all required post-mod ground and flight checks, log book entries, return to service requirements as needed and supply Blackhawk with requested worksheet copies.
12. **IF ANY DIFFICULTIES, QUESTIONS OR CONCERNS ARISE DURING THE INSTALLATION, PLEASE DON'T HESITATE TO CALL BLACKHAWK CUSTOMER SUPPORT: (254)755-6711 OR customer.support@blackhawk.aero**

REQUIRED DOCUMENTS:

QTY.	PART DESCRIPTION	PART NUMBER
1	STC certificate with signed limited use license	SA02658LA
1	Airplane Flight Manual Supplement	200914-20
1	Instruction for Continued Airworthiness	200914-30
1	Installation Drawings	200914-000; -001; -002; -003; -004; 005
1	Rigging Instructions	200914-800
1	Pre -Mod Gnd & Flt Performance WS	BH-029
1	Post -Mod Gnd & Flt Performance WS	BH-028
1	Engine Core Qualification Instructions	BH-018

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BLACKHAWK SUPPLIED PARTS:

QTY.	PART DESCRIPTION	PART NUMBER
2	Engine, Turbo-Propeller	PT6A-67A (BS 1411)
2	Propeller, MT 5-blade	MTV-27-1-N-C-F-R(P)CFR260-65b
1	Kit, Modification	200914-004
1	Kit, Installation	200914-002
1	Kit, Propeller Install	200914-005

ADDITIONAL REQUIRED PARTS: CUSTOMER SUPPLIED

Qty.	Part Description	Part Number
AR	Oil, Turbine Engine	Per PWC SB 14001R19
1	Legend Assy., Annunciator Blank	Per Beech IPC section 31-50-00
8	Mounts, Engine Vibration Isolator ⁽¹⁾	114-389031-17; (alt p/n 93880-19)
AR	Hoses assy., Fuel, Oil & Drain ⁽¹⁾⁽²⁾	Per Beech IPC, alternate p/n per -002 drawing
6	O-Ring, Oil Xducer, Press Sw & Prop Drain	NAS617-4; (alt p/n M83248/1-904)
2	O-Ring, Oil Pressure Adaptor	M83248/1-213 (alt p/n AS3209-213)
2	Gasket, Oil Temp Sensor	MS35769-11
4	O-Ring, Oil Cooler In & Out	NAS1595-12 (alt p/n M83248/1-912)
2	O-Ring, Oil Drain	MS29561-114
2	O-Ring, Fuel Inlet Fitting	MS29512-10
2	O-Ring, Compressor Drive Mount	NAS1593-135 (alt p/n AS3209-135)
3	O-Ring, Start/Gen & Comp. Drive	AS3209-113; (alt. p/n M83248/1-113)
1	Shaft, Compressor Drive Quill ⁽³⁾	117-910058-5
1	Washer ⁽³⁾	129-910045-1
1	Pulley ⁽³⁾	117-910059-3
1	Belt, Compressor Drive ⁽¹⁾	Per Beech IPC for equipment installed
2	Brush Assy., Prop De-ice Modular ⁽¹⁾	3E2090-1; (alt p/n 3H2090-1)

NOTES:

- (1) Time change item; replace at installers discretion
- (2) Fuel supply & aft combustion drain hose assy's are supplied with the -002 install kit
- (3) If not currently equipped; FL-1 to -0243, FM-1 to -0009, FN-1 reference SB 21-3303

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CORE PARTS RETURNED TO BLACKHAWK:

Qty.	Part Description	Part Number
2	Engine, Turbo Propeller	PT6A-60A
2	Propeller, 4-Blade	HC-B4MP-3C/M10476(N)(S)K
2	Indicators, Turbine Tach ⁽¹⁾	130-380044-3 or -13
2	Indicators, ITT ⁽¹⁾	101-384154-3; -7 or -9

NOTES:

(1) Only required if BMI supplies remarked indicators