



U.S. Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation (49 U.S.C. §46301(a)).

1. Aircraft	Nationality and Registration Mark N88AV	Serial No. 525	
	Make Socata	Model TB-20	Series
2. Owner	Name (As shown on registration certificate) JWS Air Services LLC	Address (As shown on registration certificate) Address 15161 S.W. 71 Ct.	
		City Palmetto Bay	State Florida
		Zip 33158	Country U.S.A.

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME		(As described in item 1 above)	
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name	Rudolph Wayne Cappe	<input checked="" type="checkbox"/> U.S. Certificated Mechanic	Manufacturer
Address	18844 S.W. 293 Ter.	<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
City	Homestead State Florida	<input type="checkbox"/> Certificated Repair Station	267153094
Zip	33030 Country U.S.A.	<input type="checkbox"/> Certificated Maintenance Organization	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per
14 CFR Part 43 App. B

☐

Signature/Date of Authorized Individual

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)
Certificate or Designation No. 3052397		Signature/Date of Authorized Individual 6/25/2013		

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

06/25/2013

Date _____

[illegible]

Form 337 (10-06)



U.S. Department of
Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
11/30/2007

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act 1958)

1. Aircraft	Nationality and Registration Mark USA N88AV	Serial No. 525
	Make SOCATA	Model TB20 Series
2. Owner	Name (As shown on registration certificate) JWS AIR SERVICES LLC	Address (As shown on registration certificate) Address 15161 SW 71ST CT City PALMETO BAY State FLORIDA Zip 33158-2179 Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial Number
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	_____	(As described in Item 1 above)	_____
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type _____ Manufacturer _____		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name Peninsula Avionics		<input type="checkbox"/> U.S. Certificated Mechanic	<input type="checkbox"/> Manufacturer
Address 14229 S.W. 127th Street		<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
City Miami State Florida		<input checked="" type="checkbox"/> Certificated Repair Station	QPIR337K
Zip 33186 Country USA		<input type="checkbox"/> Certificated Maintenance Organization	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual Nikolce Popovski <i>[Signature]</i> May 01, 2015
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7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Fit Standards Inspector	Manufacturer	Maintenance Organization	Person Approved by Canadian Department of Transport
	FAA Designee	<input checked="" type="checkbox"/> Repair Station	Inspection Authorization	Other (Specify)
Certificate or Designation No. QPIR337K		Signature/Date of Authorized Individual Nikolce Popovski <i>[Signature]</i> May 01, 2015		

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

USA N88AV

May 01, 2015

Nationality and Registration Mark

Date

1. REMOVED: NARCO ELT 10 TSO C91 Emergency Locator Transmitter (ELT) located on the aft avionics shelf at FS 116 with the ELT Antenna.

2. INSTALLED: ARTEX TSO-C126, TSO-C91a Emergency Locator Transmitter (ELT) ME406 P/N 455-6603 operational on 121.5/243.0 and 406 MHz. The transmitter was mounted on the aft avionics shelf at FS 116. The existing avionics shelf was utilized for mounting the new ELT and was found to meet the requirement of installation manual and RTCA DO-204. Whip antenna 110-773 was mounted in the aft R/H top section of the fuselage in lieu of the removed ELT Antenna at FS 118 I/A/W AC43.13-2B chapter 3. Remote Control (cockpit panel switch) P/N 345-6196-04 was mounted on the pilot panel. The above alteration was accomplished I/A/W AC43.13-2B and FAA Approved ARTEX Operation, Installation and maintenance manual P/N: 570-1600, Rev. R, Dated September 23, 2013.

The above alteration was accomplished I/A/W FAA Approved ARTEX Operation, Installation and maintenance manual P/N: 570-1600, Rev. R, Dated September 23, 2013 and AC43.13-2B chapter 2.

3. REFERENCES:

FAA Approved ARTEX ME406 Operation, Installation and Maintenance Manual P/N: 570-1600, Rev. R, Dated September 23, 2013.
AC43.13-2B chapter 2

4. STATIC LOADS: The static Loading of the equipment installed was tested I/A/W the newly installed equipment installation instructions and AC43.13-2B, Chap. 2 and was found to meet the requirements of the installation manual.

WIRING: Electrical/Electronic wiring was selected and installed I/A/W equipment manufacturer installation manuals, and AC43.13-2B Chap. 2 Par. 201 through 206. Routing, Lacing and Tying Complies with AC43.13-1B Chap. 11 Sec. 7 WIRE MARKING complies with section 4.

ELECTRONIC EQUIPMENT INSTALLATION Complies with equipment manufacturer installation manuals and AC43.13-2B, Chap. 1, trough 3.

5. ELECTRICAL LOAD ANALYSIS: No change In the electrical loads.

6. HARDWARE AND MATERIALS: Installation conforms to AC43.13-1B Chap. 7, Section 2 thru 7 as applicable.

7. OPERATIONAL TEST Was performed on the newly installed equipment I/A/W manufacturer instruction and FAR-91.207, all functions performed satisfactorily. All Aircraft systems were tested and was determined that there is no Electro Magnetic Interference to or from the newly installed equipment.

8. The EQUIPMENT LIST is amended and the new. WEIGHT AND BALANCE Is computed and entered in the aircraft records in accordance with AC43.13-1B Chapter 10, Section 2 Para. 10-16

9. Continued Airworthiness (ICA) of the above equipment is described in the Description, Operation, Installation and Maintenance Manual P/N: 570-1600, Rev. R. or later revision. Also refer to FAR 91.207 for ELT periodic maintenance requirements.

-----END-----

☐ Additional Sheets Are Attached



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(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
11/30/2007

Electronic Tracking Number

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INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act 1958)

1. Aircraft	Nationality and Registration Mark USA N88AV	Serial No. 525	
	Make SOCATA	Model TB-20	Series
2. Owner	Name (As shown on registration certificate) JWS AIR SERVICES LLC	Address (As shown on registration certificate) Address 15161 SW 71st COURT City PALMETTO BAY State FLORIDA Zip 33158-2179 Country USA	

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial Number
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	SOCATA	(As described in Item 1 above)	525
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type Manufacturer		

6. Conformity Statement

A. Agency's Name and Address Name Peninsula Avionics Address 14229 S.W. 127th Street City Miami State Florida Zip 33186 Country USA		B. Kind of Agency <input type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input checked="" type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Certificated Maintenance Organization		<input type="checkbox"/> Manufacturer C. Certificate No. QPIR337K
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D. I certify that the repair and/or alteration made to the unit(s) identified in Item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual <i>James Prince</i> 03-16-2020
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7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in Item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Fit Standards Inspector	Manufacturer	Maintenance Organization	Person Approved by Canadian Department of Transport
	FAA Designee	<input checked="" type="checkbox"/> Repair Station	Inspection Authorization	Other (Specify)

Certificate or Designation No. QPIR337K	Signature/Date of Authorized Individual <i>James Prince</i> 03-16-2020
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NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

USA N88AV

Nationality and Registration Mark

March 16, 2020

Date

1. REMOVED: Bendix King KFC-150 Autopilot computer.

2. INSTALLED: New Bendix-King KFC 230 AeroCruze Autopilot Computer and interface with the existing Garmin G-500 Flight MFD/PFD heading system, I/AW STC SA04181NY, Dated 10/04/2019 and AML listing the Socata TB-20 model.

REFERENCES: STC SA04181NY.

FAA Approved Part 23 AML STC Installation Manual, P/N 8900019-040, Rev. 0.

FAA Approved ICA, P/N 89800019-024, Dated July 2019.

FAA Approved AFMS P/N 89000019-015, Dated: Oct. 19, 2019, Rev. All.

3. STATIC LOADS: The static Loading of the equipment installed was tested I/AW AC43.13-2A, Chap. 1, Para. 3 and was found to meet the requirements of para. 2. Materials and practice comply with paragraph 4 thru 12.

4. ELECTRICAL LOAD ANALYSIS: An electrical load analysis was performed I/AW AC43.13-1B, Chapter 12 Section 11-35 and 11-36 and was found to meet the requirements of Par. d, of section 11-35. The total electrical load does not exceed 80% of the total rated generator output capacity.

AIRCRAFT METAL WORK: Work Involving metal repair or alteration complies with AC43.13-1B Chap. 4, Section 1 thru 4 Para. 4-1 thru 4-58 as applicable.

HARDWARE AND MATERIALS Used in the installation conform to AC43.13-1B Chap. 7, Section 2 thru 7 as applicable. CIRCUIT BREAKERS, SWITCHES, AND CONNECTORS are of the type recommended by the aircraft manufacturer or MIL SPEC approved for aircraft use and meet the requirements of AC43.13-1B, Chapter 11, Section 4.

5. WIRING: Electrical/Electronic wiring was selected and installed I/AW Equipment manufacturer installation manuals, AC43.13-1B Chap. 11 Sect. 5 and AC43.13-2A Chap. 2 Para. 27.

Routing Lacing and Tying Complies with AC43.13-1B Chap. 11 Sec. 5.

WIRE MARKING complies with section 16.

ELECTRONIC EQUIPMENT INSTALLATION Complies with equipment manufacturer instruction and AC43.13-2A Chap. 2 Para. 21 thru 26

6. MAGNETIC DIRECTION INDICATOR: Was checked and compensated as necessary per AC43-1B Chapter 12 Section 3 Par.12-37 and AC43.13-2A Chap.2 Par. 23f.

7. OPERATIONAL TEST Was performed on the newly installed Auto Pilot I/AW manufacturer instruction and all functions performed satisfactorily. All Aircraft systems were tested and was it determined that there is no Electro Magnetic Interference to or from the newly installed equipment.

8. The EQUIPMENT LIST is amended and the new WEIGHT AND BALANCE is computed and entered in the aircraft records in accordance with AC43.13-1B Chapter 10, Section 2 Para. 10-16 and AC43.13-2A Chap. 1

9. Instruction for Continued Airworthiness (ICA): Entered in the aircraft records.

END

☐ Additional Sheets Are Attached



U.S. Department of
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Administration

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020

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Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act 1958)

1. Aircraft	Make SOCATA	Model TB20
	Serial No. 525	Nationality and Registration Mark N88AV
2. Owner	Name (As shown on registration certificate) JWS AIR SERVICES LLC	Address (As shown on registration certificate) 15161 SW 71ST CT MIAMI, FL 33158-2179

3. For FAA Use Only

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	(As described in item 1 above)				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
Peninsula Avionics 14229 SW 127 St Miami, FL 33186	<input type="checkbox"/> U.S. Certified Mechanic	QPIR337K Radio Class 1 & 2 Lmtd. Airframe Lmtd. Instruments
	<input type="checkbox"/> Foreign Certified Mechanic	
	<input checked="" type="checkbox"/> Certified Repair Station	
	<input type="checkbox"/> Manufacturer	

I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date June 04, 2008	Signature of Authorized Individual Nikolce Popovski 
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7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY	FAA Fit Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	<input checked="" type="checkbox"/> Repair Station	Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection June 04, 2008		Certificate or Designation No. QPIR337K	Signature of Authorized Individual Nikolce Popovski 	

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed)

SOCATA TB-20 S/N 525 N88AV

1. REMOVED: EGT gage from the right instrument panel.

2. INSTALLED: JPI, EDM 800 Engine monitor with Fuel-Flow option into an existing instrument cutout of the Copilot's instrument panel I/AW STC SA2586NM with the following accessories:

1 (ea) J.P. Instruments EGT-701 indicator

6 (ea) J.P. Instruments Cylinder Head Temperature Probes 5050 P.N. 126

6 (ea) J.P. Instruments Exhaust Gas temperature Probes MM-111 P.N 128

1 (ea) J.P. Instruments Cylinder head Temperature Harnesses & Exhaust Gas Temperature Harnesses P.N. 700750

1(ea) J.P. Instruments OAT probe

1(ea) J.P. Instruments RPM Sensor

1(ea) J.P. Instruments Manifold sensor.

Fuel Flow information provided via the previously installed SHADIN FF Transducer.

3. REFERENCES: EDM 701 STC SA2586NM

FAA Approved JPI, installation report No.103 rev. C

4. WIRING: Electrical/Electronic wiring was selected and installed I/AW equipment manufacturer FAA Approved installation Report No 701 Rev. A Dated 02/17/98, STCSA00729SE and AC43.13-2A Chap. 2 Par. 21 through 26. Routing Lacing and Tying Complies with AC43.13-1A Chap. 11 Sec. 7 WIRE MARKING complies with section 4.

5. ELECTRICAL LOAD ANALYSIS: An electrical load analysis was performed I/AW AC43.13-1B, Chapter 11 Section 11-35 and 11-36 and was found to meet the requirements of Par. d, of section 11-35. The total electrical load does not exceed 80% of the total rated generator output capacity.

HARDWARE AND MATERIALS Used in the installation conform to AC43.13-1B Chap. 7, Section 2 through 7 as applicable. CIRCUIT BREAKERS & CONNECTORS are of the type recommended by the equipment manufacturer or MIL SPEC approved for aircraft use and meet the requirements of AC43.13-1B, Chapter 11 Section 4

6. MAGNETIC DIRECTION INDICATOR: Was checked and compensated as necessary per AC43-1B Chapter 12 Par.12-37 and AC43.13-2A Chap.2 Par. 23f.

7. OPERATIONAL TEST was performed on the newly installed equipment I/AW Equipment manufacturer installation manuals and all functions performed satisfactorily. All Aircraft systems were tested and was determined that there is no Electro Magnetic Interference to or from the newly installed equipment.

8. The EQUIPMENT LIST is amended and the new WEIGHT AND BALANCE was computed and entered in the aircraft records in accordance with AC43.13-1B Chapter 10 Section 1 and AC.13-2A Chap. 1 Par. 9.

9. Instruction for Continued Airworthiness (ICA): of the above equipment are "ON Condition " only and do not require periodic maintenance. Refer to manufacturer maintenance manual for further instructions

END

☐ Additional Sheets Are Attached



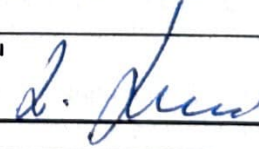
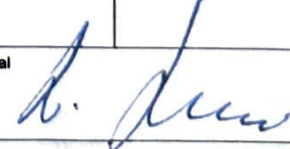
MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020

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Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act 1958)

1. Aircraft	Make SOCATA	Model TB20			
	Serial No. 525	Nationality and Registration Mark N88AV			
2. Owner	Name (As shown on registration certificate) JWS AIR SERVICES LLC	Address (As shown on registration certificate) 15161 SW 71ST CT MIAMI, FL 33158-2179			
3. For FAA Use Only					
4. Unit Identification					
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~(As described in item 1 above)~~~~~				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				
6. Conformity Statement					
A. Agency's Name and Address		B. Kind of Agency		C. Certificate No.	
Peninsula Avionics 14229 SW 127 St Miami, FL 33186		U.S. Certified Mechanic		QPIR337K Radio Class 1 & 2 Lmtd. Airframe Lmtd. Instruments	
		Foreign Certified Mechanic			
		<input checked="" type="checkbox"/> Certified Repair Station			
		Manufacturer			
D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.					
Date June 04, 2008		Signature of Authorized Individual Nikolce Popovski 			
7. Approval for Return to Service					
Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED					
BY	FAA Fit Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)	
	FAA Designee	<input checked="" type="checkbox"/> Repair Station	Person Approved by Transport Canada Airworthiness Group		
Date of Approval or Rejection June 04, 2008		Certificate or Designation No. QPIR337K	Signature of Authorized Individual Nikolce Popovski 		

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

SOCATA TB-20 S/N 525 N88AV

1. REMOVED: OEM Fuel Quantity, Engine Oil Press, Oil Temp and Volt meter cluster P/N TB 20-76-061-C
2. INSTALLED: Aerospace Logic Instruments Inc. Dual Fuel level Indicator FL-100, Oil pressure and Temperature Indicator OL100, Volt Meter and Amp Meter indicator VA-100. FL-100 Fuel quantity and OL-100 Oil Pressure and oil Temp indicators were mounted on the bottom of the avionics rack in lieu of the removed OEM Gage cluster. The VA-100 Volt/Amp Meter was mounted in an existing instrument cutout of the copilot's instrument panel. Installation of the above instruments was accomplished I/AW the equipment installation instruction a and STC ST01700NY
3. REFERENCES: STC ST01700NY for the above indicators on approved model list.
FL-100-R Operating and installation manual Ver. 2.1-September 8, 2005
OL-100 Operating and installation manual Ver. 1.4-September 8, 2005
VA-100 Operating and installation manual Ver. 1.2-September 8, 2005
4. WIRING: Electrical/Electronic wiring was selected and installed I/AW equipment manufacturer FAA Approved installation Report No 701 Rev. A Dated 02/17/98, STCSA00729SE and AC43.13-2A Chap. 2 Par. 21 through 26. Routing Lacing and Tying Complies with AC43.13-1A Chap. 11 Sec. 7 WIRE MARKING complies with section 4.
5. ELECTRICAL LOAD ANALYSIS: An electrical load analysis was performed I/AW AC43.13-1B, Chapter 11 Section 11-35 and 11-36 and was found to meet the requirements of Par. d, of section 11-35. The total electrical load does not exceed 80% of the total rated generator output capacity.

HARDWARE AND MATERIALS Used in the installation conform to AC43.13-1B Chap. 7, Section 2 through 7 as applicable. CIRCUIT BREAKERS & CONNECTORS are of the type recommended by the equipment manufacturer or MIL SPEC approved for aircraft use and meet the requirements of AC43.13-1B, Chapter 11 Section 4
6. MAGNETIC DIRECTION INDICATOR: Was checked and compensated as necessary per AC43-1B Chapter 12 Par.12-37 and AC43.13-2A Chap.2 Par. 23f.
7. OPERATIONAL TEST was performed on the newly installed equipment I/AW Equipment manufacturer installation manuals and all functions performed satisfactorily. All Aircraft systems were tested and was determined that there is no Electro Magnetic Interference to or from the newly installed equipment.
8. The EQUIPMENT LIST is amended and the new WEIGHT AND BALANCE was computed and entered in the aircraft records in accordance with AC43.13-1B Chapter 10 Section 1 and AC.13-2A Chap. 1 Par. 9.
9. Instruction for Continued Airworthiness (ICA): of the above equipment are "ON Condition " only and do not require periodic maintenance. Refer to manufacturer maintenance manual for further instructions

END

☐ Additional Sheets Are Attached

N88AV

INSTRUCTIONS FOR CONTINUED
AIRWORTHINESS

FOR

GARMIN G 500 FLIGHT SYSTEM

GARMIN GTN 650 GPS/NAV/COM

GDL 88 ADS-B TRANSCEIVER

FLIGHT STREAM 210 BLUE TOOTH
ADAPTER

PS ENGINEERING PMA 800BT AUDIO
PANEL

GARMIN GTX 330 MODE S
TRANSPONDER