

**AIRCRAFT QUALITY  
INSTRUMENTS, INC.**

2649 S. Custer • Wichita, KS 67217  
(316) 942-9933 • 1-800-942-9938  
Fax (316) 942-9975  
FAA CRS: A2QR419J

**Work Order**

Date	Job Order #
12/27/2001	20802

I	Part Name	Serial #
	Horizon	1894
	Part #	Customer Name
	300-3CFC	Tornado Alley Turbo, Inc.
	Manufacturer	Purchase Order #
	AIM	

Technician	Work Instructions
	<input checked="" type="checkbox"/> OHC <input type="checkbox"/> WARRANTY <input type="checkbox"/> F.T. & CERT. <input type="checkbox"/> IRAN

<b>II</b>	Preliminary Inspection	No app. damage	Inspector	<i>TH</i>
<b>III</b>	Hidden Damage Inspection	Erratic	Inspector	<i>TH</i>
<b>IV</b>	In Process Inspection	Overhaul	Inspector	<i>TH</i>

**V Parts Record**

QTY	Part Number	Item
1	236-0018-901	Rotor
1	610-0002-001	Filter
1	637-0001-001	Bearing
1	637-0002-001	Bearing
2	637-0004-001	Bearing

**Function Test**

Tested to Specs.

Mechanic: *TH* Date: *1-2-02***VI Final Inspection** The Component identified above was repaired and inspected in accordance with current FAA Regulations and is approved for return to service.*TH*  
Certified Repairman*2593254*  
Certificate No.

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## Work Order

Date	Job Order #
12/27/2001	20801

I	Part Name	Serial #
	Horizon	T48857
	Part #	Customer Name
	5000B-38	Tornado Alley Turbo, Inc.
	Manufacturer	Purchase Order #
	Sigma Tek	

Technician	Work Instructions
	<input checked="" type="checkbox"/> OHC <input type="checkbox"/> WARRANTY <input type="checkbox"/> F.T. & CERT. <input type="checkbox"/> IRAN

II	Preliminary Inspection	No app. damage	Inspector	<i>7/20</i>
III	Hidden Damage Inspection	Erratic	Inspector	<i>7/20</i>
IV	In Process Inspection	Overhaul	Inspector	<i>7/20</i>

### V Parts Record

QTY	Part Number	Item
1	1U285-991	Rotor
1	58A091-001	Filter
1	S30006-001	Bearing
1	S30006-002	Bearing
2	S30006-003	Bearing

### Function Test

Tested to Specs. Pub. #12-78-1 5000B

Mechanic: *7/20* Date: *1-2-02*

### VI Final Inspection

The Component identified above was repaired and inspected in accordance with current FAA Regulations and is approved for return to service.

*[Signature]* Certified Repairman      *2593754* Certificate No.

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Date	Job Order #
12/27/2001	20800

## Work Order

I	Part Name	Serial #
	Directional Gyro	59110D
	Part #	Customer Name
	4000B-12	Tornado Alley Turbo, Inc.
	Manufacturer	Purchase Order #
	Edo-Aire	

Technician	Work Instructions
	<input checked="" type="checkbox"/> OHC <input type="checkbox"/> WARRANTY <input type="checkbox"/> F.T. & CERT. <input type="checkbox"/> IRAN

II	Preliminary Inspection	No app. damage	Inspector	<i>MM</i>
III	Hidden Damage Inspection	Precesses	Inspector	<i>MM</i>
IV	In Process Inspection	Overhaul	Inspector	<i>MM</i>

### V Parts Record

QTY	Part Number	Item
1	1U352-991	Rotor
1	58A091-001	Filter
1	S30005-003	Bearing
2	S30006-003	Bearing
1	S30006-004	Bearing

### Function Test

Tested to Specs. Pub. #8-78-1 4000B

Mechanic: *MM*    Date: *12-02*

VI Final Inspection    The Component identified above was repaired and inspected in accordance with current FAA Regulations and is approved for return to service.

*MM*    259354  
Certified Repairman    Certificate No.

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FAA CRS: A2QR419J

**Work Order**

Date	Job Order #
12/27/2001	20803

I Part Name	Serial #
Turn Coordinator	841-67
Part #	Customer Name
1394T100-7Z	Tornado Alley Turbo, Inc.
Manufacturer	Purchase Order #
EGC	

Technician	Work Instructions
	<input checked="" type="checkbox"/> OHC <input type="checkbox"/> WARRANTY <input type="checkbox"/> F.T. & CERT. <input type="checkbox"/> IRAN

II Preliminary Inspection	No app. damage	Inspector <i>MM</i>
III Hidden Damage Inspection	Noisy	Inspector <i>MM</i>
IV In Process Inspection	Overhaul	Inspector <i>MM</i>

**V Parts Record**

QTY	Part Number	Item
2	1234152	Brushes
2	1234200-3A	Bearing
1	1274129-1	Rotor
2	1394200-5	Bearing

**Function Test**

Tested to Specs. Pub. # TSM1394 EGC T/C

Mechanic: *MM*    Date: *1-2-02*

VI Final Inspection	The Component identified above was repaired and inspected in accordance with current FAA Regulations and is approved for return to service.
<i>MM</i> Certified Repairman	<i>2593254</i> Certificate No.

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FAA CRS: A2QR419J

## Work Order

Date	Job Order #
12/27/2001	20804

I	Part Name	Serial #
	Turn & Bank	8158E
	Part #	Customer Name
	52D75-4	Tornado Alley Turbo, Inc.
	Manufacturer	Purchase Order #
	Edo-Aire Mitchell	

Technician	Work Instructions
	<input checked="" type="checkbox"/> OHC <input type="checkbox"/> WARRANTY <input type="checkbox"/> F.T. & CERT. <input type="checkbox"/> IRAN

II	Preliminary Inspection	No app. damage	Inspector	<i>MM</i>
III	Hidden Damage Inspection	Inop.	Inspector	<i>MM</i>
IV	In Process Inspection	Overhaul	Inspector	<i>MM</i>

### V Parts Record

QTY	Part Number	Item
1	1B581	Rotor
2	435471	Bearing

### Function Test

Tested to Specs. Pub. #68S73 75-4

Mechanic: *MM* Date: *1-2-02*

VI Final Inspection The Component identified above was repaired and inspected in accordance with current FAA Regulations and is approved for return to service.

*MM*  
Certified Repairman

*2593754*  
Certificate No.

**AIRCRAFT QUALITY INSTRUMENTS, INC.**

Wichita, Kansas 67217 - U.S.A.

(316) 942-9933

FAA Certificate  
No. A2QR419J

Unit Name Direction gyro Ser. No. 591100  
 Type 4000B-12 MFG Edgewise  
 Overhauled By \_\_\_\_\_ Insp. by \_\_\_\_\_  
 Minor Rep./Alt. Work Order No. \_\_\_\_\_  
 By \_\_\_\_\_ Repairman \_\_\_\_\_

If Not overhauled fill out below.

This Unit Tested and Approved for Further Service.

By \_\_\_\_\_ Date \_\_\_\_\_

**AIRCRAFT QUALITY INSTRUMENTS, INC.**

Wichita, Kansas 67217 - U.S.A.

(316) 942-9933

FAA Certificate  
No. A2QR419J

Unit Name Holmeson Ser. No. 1894  
 Type 300-30FC MFG A.I.M.  
 Overhauled By \_\_\_\_\_ Insp. by \_\_\_\_\_  
 Minor Rep./Alt. Work Order No. \_\_\_\_\_  
 By \_\_\_\_\_ Repairman \_\_\_\_\_

If Not overhauled fill out below.

This Unit Tested and Approved for Further Service.

By \_\_\_\_\_ Date \_\_\_\_\_

**AIRCRAFT QUALITY INSTRUMENTS, INC.**

Wichita, Kansas 67217 - U.S.A.

(316) 942-9933

FAA Certificate  
No. A2QR419J

Unit Name Turn Coordinator Ser. No. 841-67  
 Type 13947100-72 MFG Edgewise  
 Overhauled By \_\_\_\_\_ Insp. by \_\_\_\_\_  
 Minor Rep./Alt. Work Order No. \_\_\_\_\_  
 By \_\_\_\_\_ Repairman \_\_\_\_\_

If Not overhauled fill out below.

This Unit Tested and Approved for Further Service.

By \_\_\_\_\_ Date \_\_\_\_\_

**AIRCRAFT QUALITY INSTRUMENTS, INC.**

Wichita, Kansas 67217 - U.S.A.

(316) 942-9933

FAA Certificate  
No. A2QR419J

Unit Name Turn & Bank Ser. No. 81586  
 Type 52075-4 MFG Edgewise  
 Overhauled By \_\_\_\_\_ Insp. by \_\_\_\_\_  
 Minor Rep./Alt. Work Order No. \_\_\_\_\_  
 By \_\_\_\_\_ Repairman \_\_\_\_\_

If Not overhauled fill out below.

This Unit Tested and Approved for Further Service.

By \_\_\_\_\_ Date \_\_\_\_\_

**AIRCRAFT QUALITY INSTRUMENTS, INC.**

Wichita, Kansas 67217 - U.S.A.

(316) 942-9933

FAA Certificate  
No. A2QR419J

Unit Name Edgewise Ser. No. 748857  
 Type 5000B-38 MFG Edgewise  
 Overhauled By \_\_\_\_\_ Insp. by Edgewise  
 Minor Rep./Alt. Work Order No. \_\_\_\_\_  
 By \_\_\_\_\_ Repairman \_\_\_\_\_

If Not overhauled fill out below.

This Unit Tested and Approved for Further Service.

By \_\_\_\_\_ Date \_\_\_\_\_

**TACH SCALE CORRECTION CARD**Instr. P/N: 01-12-5925Serial No.: 13922

Power Setting Indication

500 RPM	<u>400</u>
1000 RPM	<u>1025</u>
1500 RPM	<u>1510</u>
2000 RPM	<u>2000</u>
2500 RPM	<u>2490</u>
3000 RPM	<u>2990</u>
3500 RPM	<u>3600</u>

Inspector KS Date 11-15-01

1. Country - Pays CANADA		2.  Transport Canada / Transports Canada		3. Form Formula		4. 24-00778		5. Continuation of Form 101 - 101, as indicated above (YYMMDD-XXNN) 011207-503					
6. Operation - Operation INSIGHT INSTRUMENTS CORPORATION, 599 INDUSTRIAL DRIVE FORT ERIE, ONTARIO, CANADA, L2A 5M1									7. 42-90		8. <b>Advanced Aviation Services</b>		
9. Item 1		10. Description Strike Finder Display Unit		11. Part No. - No de piece SF 2000-021-009		12. Eligibility - Admissibilité TSO-C110a Various		13. Qty - Qté 1		14. Serial/lot No. - No de matériel 001769		15. Status/Work - Statut Repaired	
16. Remarks - Remarques Replaced C26, C27, D15, D7, L4 updated to Mod D Tested, Burn-in, Cycle 24 hrs													
17. Notes - Notes Certified that the part(s) identified above except as otherwise specified in block 13 was (were) manufactured in accordance with the applicable design data and with the applicable regulations of the issuing country.				18. Notes - Notes Certified that the part(s) identified above, except as otherwise specified in block 13, was (were) not in compliance with Chapter 101 of the American National Standard, and in respect of that fact, the part(s) listed considered ready for release to service.				19. Notes - Notes Certified that the part(s) identified above, except as otherwise specified in block 13, was (were) not in compliance with Chapter 101 of the American National Standard, and in respect of that fact, the part(s) listed considered ready for release to service.					
20. Signature <i>Jacqueline Lambert</i>				21. Approved Part No. - No de certification 42-90				22. Date Dec. 7/01					

**INSTALLER RESPONSIBILITIES**

It is important to understand that the existence of this document alone does not automatically constitute authority to broker the performance of maintenance.

Where the manufacturer certifies to compliance with the national regulation of an Airworthiness Authority different from the Airworthiness Authority of the country specified in block 1, the installer must obtain Airworthiness Authority approval for the maintenance work performed.

Block 14 and 15 do not constitute performance certification. It is the installer's responsibility to ensure that the maintenance work performed is in accordance with the applicable regulations of the issuing country before the work is performed.

30-0000 (01-00)

1. United States		2. FAA FORM 8130-3 AIRWORTHINESS APPROVAL TAG U.S. Department of Transportation • Federal Aviation Administration				3. System Tracking Ref. No. AA36168	
4. Organization Aero Accessories, Inc. 1240 Springwood Avenue Gibsonville, NC 27249				5. Work Order, Contract, or Invoice Number: 36168			
6. Item	7. Description	8. Part Number	9. Eligibility	10. Quantity	11. Serial/Batch Number	12. Status/Work	
1	Airborne Dry Air Pump	212CU	TBV By Installer	1	08972	Newly Overhauled	
13. Remarks Overhauled & Tested in accordance with FAA Process Specification 203-6-1009							
Limited life parts must be accompanied by maintenance history including total time/total cycles/time since new.							
14. <input type="checkbox"/> New <input checked="" type="checkbox"/> Newly Overhauled			19. Return to Service in Accordance with FAR 43.9				
Certifies that the new or newly overhauled part(s) identified above, except as otherwise specified in block 13 was (were) manufactured in accordance with FAA approved design data and airworthiness.			Certifies that the work performed in block 13 (or attached) above was carried out in accordance with FAA Airworthiness regulations and in respect to the work performed the part(s) (were) approved for return to service.				
15. Signature		16. FAA Authorization No.:		20. Authorized Signature <i>Vic Harris</i>		21. Certificate Number YV4R688M	
17. Name (Typed or Printed):		18. Date		22. Name (Typed or Printed) VIC HARRIS		23. Date 7-23-01	