



WESTWIND SERVICE CENTER NEWSLETTER

January, 1987

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Ed Nesbitt

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The Newsletter is pleased to report that, by all accounts, the **Service Center Meeting** held in Wilmington on December 3, 1986, was extremely successful. Highlights of the Atlantic Aviation Supply Company presentation meeting included:

- Exchange parts now available for Service Center stock**
- Increased discounts**
- Improved warranty**
- Revised Service Center spares list**
- Improved communications**

Bob Henson wishes to, "Express thanks for coming to see us and making the meeting a success...We are here to assist you".

Special attention should be made to the 1124 IPC when ordering either the nose gear or the main gear **ground contact switches** and/or the adjustment bolts. On the nose, the bolt that is attached to the 6AP3 arm assembly is used (included with the replacement 444EN1-12 switch). On the main gear, this bolt is not used and should be discarded. Bolt part number 253507-1 is the proper bolt and will not be included with the 444EN1-12. This bolt must be ordered separately. Note also, that the 6AP3 arm assembly can be purchased individually. The corrected IPC pages are attached.

The 1124 IPC lists part number **MS28884A-16** and **MS28885-16** check valves in various locations in the fuel section - Chapter 28. Both valves are completely interchangeable. However, for spares purposes, MS28884A-16 should be stocked.

Although the revised 1124 IPC corrects the discrepancies on the **DV window handle** section in Chapter 56, further details for spares purposes should be noted. If a customer orders part number 343017-45 handle (eff 1121, 1123, 1124 to serial number 222), you can supply one each A127B kit and one each part number 343020-501 shaft to satisfy the requirement.

The **1124 door hold open rod kit** per Service Bulletin 1124-52-019A proved very popular with operators as a product improvement. Atlantic Aviation Supply Company initially provisioned for 50 kits which have been issued. There was a zero stock condition for small period of time, however, there is now a large supply of kits in stock.

January's "Be Aware" section addresses 1124 Fuel Flow Transmitters. It was recently discovered that part number TFF1573-2 which is used on certain model British Aerospace aircraft, was inadvertently installed on a Westwind aircraft. The proper unit for the Westwind is TFF1573. Installing the TFF1573-2 will cause erratic fuel flow indication or no indication at all. Although the IAI proprietary number 883709-1 should appear on the overhaul agency's serviceable parts tag and on the unit itself, a double check for the manufacturers part number on the transmitter should be made.

This month's **IPC corrections and additions** are as follows:

29-10-00 Figure 7 Item 3A

Change part number 574069 to 574096 and add 57738 (alternate)

29-10-00 Figure 8 Item 14

Change part number SO309-227 to SO309-222

39-10-00 Figure 11 Item 65

Add part number P4-10120-2 as an alternate

57-30-00 Figure 1 Item 72

Change part number 173023 to 173023-5

21-30-00 Figure 2 Item 3

Add part number 783686 as an alternate

Astra 33-40-00 Figure 2 Items 250 and 260

Change item 250 to "Lens Assy, L" and change item 260 to "Lens Assy, R"

Astra 23-60-00 Figure 1 Items 10 and 20

Pencil in as an alternate for item 10: 16305 or 16785

Pencil in as an alternate for item 20: 16310 or 15344

25-10-00 Figure 5 Various Items

- Item 5: Change existing part number to G.I.1022.1.2
- Item 6: Change existing part number to G.I.1022.1.0.10
- Item 9: Change existing part number to G.I.1022.1.0.4
- Item 19: Change existing part number to G.I.1022.1.2
- Item 22: Change existing part number to G.I.1022.1.4.0

25-10-00 Figure 2 Items 18 and 20

- Change existing part number to G.I.1022.0.5
- Change existing part number to G.I.1032.0.8

**Goodyear Brake Overhaul Manual - 5006575 -
Astra Brake Page 1003**

- Item 50: Change part number to GYR8B13
- Item 90: Change part number to GYR8B13
- Item 340: Change part number to 9510672

Starting this month, we will publish **maintenance tips or suggestions** as provided by our readers. We urge maintenance personnel to forward any tips or suggestions to the Editor for incorporation in later issues.

The first tip comes from Jerry Wyatt of Atlantic Aviation Westwind Maintenance. Jerry points out that maintenance personnel should look for an internally bypassing speed brake or lift dump control valve when troubleshooting 1124 hydraulic system squawks such as a flickering or steady hydraulic low light and/or erratic operation of the hydraulic system. This type of problem would occur on serial numbers 283 and subs which have part number 723573 control valves installed. Jerry states his crew has found bypassing valves on two aircraft recently.

The second tip comes from an operator who recently accomplished the emergency hydraulic pump retrofit per 1124 Service Letter WW-2482. The operator points out that new pump 713010-505 provided in the kit should be electrically connected as follows:

- Aircraft black lead to new pump red lead (positive)**
- Aircraft white lead to new pump black lead (ground)**

The aircraft - an early serial number - was wired with the black lead positive on the 713010 pump installation, making color-to-color hookup in this case incorrect.

Editor note: IAII has been advised to effect applicable revisions to the service letter and wiring manual.

January's **Service Publication** section reports that IAII has released the following:

SIL 1124-24-019B: Revision to previous SIL 1124-24-019A. No parts changes.

S/B 1124-22-025A: Revision to previous Service Bulletin.

1124-22-025: An addition to the parts list is one each part number V47MA28 Varistor.

SL WW2424D: Revision to previous Service Letter WW2424C. No parts changes.

SIL 1124-22-068: Supersedes and cancels 1124 SIL No. 7. No parts changes.

SIL 1124-21-066A: Revision to previous SIL 1124-21-066. No parts changes.

S/B 1124-27-003 Revision No. 1: Cancels the Service Bulletin

S/B 1124-11-088: Addition of placards. No charge placards are expected to be mailed by IAII late January.

Still on the subject of Service Bulletin's, we offer the reminder that the final day for receiving no charge kits to accomplish 1124-55-021 and 1123-55-007 was December 31, 1986. Pricing for the kits can be obtained by contacting Linda DeMarco or Ed Nesbitt. Here is the percentage of completion covering the entire fleet to date:

1121 - 5%, 1123 - 53%, 1124 - 96%

Here is this month's list of **total fleet usage items**:

<u>Part Number</u>	<u>Description</u>	<u>Amount</u>
5004034	Disc	46
5003340	Disc	72
343030-1	Windshield	13
343030-2	Windshield	10
5002805-3OH	Brake	41
25S-7D5083-01	Boot	3
25S-7D5083-02	Boot	8

The Newsletter question and answer section for January:

Question: **What is the part number for the wing manual refueling valve handle? I can't find it in the 1124 IPC.**

Answer: The entire valve installation was omitted, however, there is an illustration in the 1123 IPC which can be used as a reference.
The handle part numbers are:
S/N 187-258: 653113-41
S/N 259-365: 653708-5
S/N 366-SUBS: The entire valve installation was deleted in production.
The 653708-5 handle can be made applicable for all serial numbers by supplying a 653708-3 pivot with the dash 5 handle.

Question: **What is the part number for the allen head screws in the axle for the wheel transducer?**

Answer: Part number is NAS1001CO8A9L.

Question: **Is there a lead/acid battery approved for retrofit on my 1124?**

Answer: Yes, Teledyne Battery Products, maker of Gill batteries, has an STC for the 1124. More information can be supplied by contacting any Atlantic Aviation Supply Company Sales Representative.

Question: **What is the part number for the microphone holder located on the pedestal?**

Answer: The part number is 883800-3.

Question: **Why does the 883091 Volt/Ammeters have three dash numbers assigned? Aren't they all the same unit?**

Answer: All the Volt/Ammeters are the same unit. The difference among the three is the range markings. The red line amperage marking is determined by which generator is installed on the applicable aircraft. Explanation of the three types is as follows:

883091-505: Range marking at 300 amps for 1124 aircraft with Lear Seigler generators.
883091-511: Range marking at 275 amps for all 1123 aircraft.
883091-513: Range marking at 260 amps for 1124 aircraft with General Electric generators.

Question: **What are the part numbers for the thrust reverser stow and deploy pins?**

Answer: The part numbers are: F10A5C20236-1 stow and F10A5B20236-5 deploy.

Question: What is the part number for the clear erosion boot on 1124 radomes?

Answer: Part number SJ8665-FP-38 is the one.

Question: Can you tell me what the part numbers are for the static port covers on the Westwind I and Westwind II?

Answer: Yes, for Westwind I serial numbers 271 and SUBS, use part number 313765-501. For Westwind II's, use both part numbers 313765-503 and 313765-505.

Question: What is the part number for cup holder on the pedestal?

Answer: The part number is 123620-3.

The Newsletter staff welcomes to the ever increasing Westwind family, new operators who took **delivery of their new 1124 and Astra aircraft**. Those recipients of new aircraft from Wilmington include:

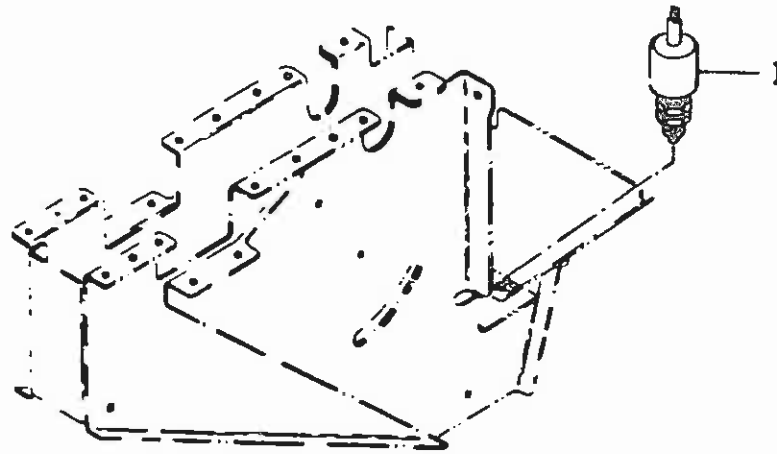
Johnson & Johnson Co.	- Trenton, NJ	Astra; S/N 24
Texas Inter'l Gas & Oil Co.	- El Paso, TX	Westwind I; S/N 423
Commerce Leasing Co.	- Norcross, GA	Westwind II; S/N 439
UB Food U.S., Inc.	- Elmhurst, IL	Westwind II; S/N 440
Calcutta Aircraft Leasing	- Bloomington, IN	Astra; S/N 18
Ball Corporation	- Muncie, IN	Westwind I; S/N 426

The answer to last month's **trivia question** was Nebraska based Jet Commander S/N 77. As there were no correct answers submitted in time, the prize of a 5 inch color portable TV set went unclaimed. However, we will be awarding the TV to those submitting the correct answer to this month's question. The envelope please:

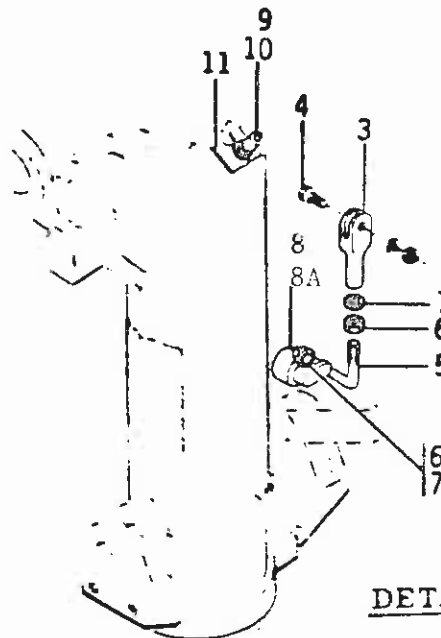
January question: There are four (4) Westwinds flying as of December 31, 1986, that are registered to owners of professional sports teams in North America. To win the TV set, you must:

1. Name the serial number of the four aircraft.
2. Name the owners.
3. Name the sports.
4. Name the teams.

The rules are the same as outlined last month and answers must be submitted no later than January 23, 1987.

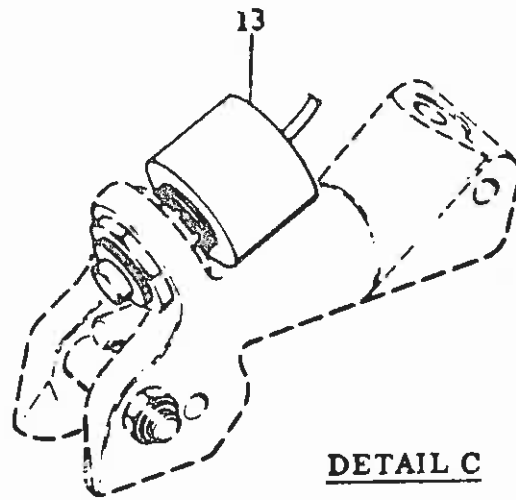


DETAIL A

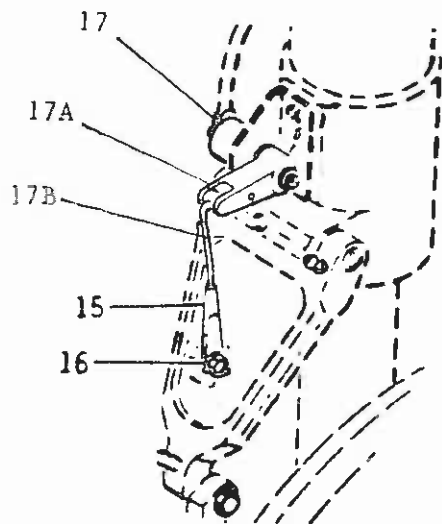


DETAIL B

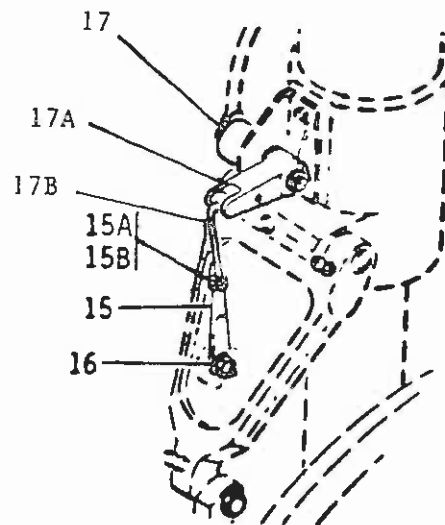
Figure 1. Position and Warning Instl (Page 2 of 4)



DETAIL C



FOR A/C 187 - 329



FOR A/C 330 - 999

DETAIL D

Figure 1. Position and Warning Instl (Page 3 of 4)

WETWIND ILLUSTRATED
SMALL AIRCRAFT INDUSTRIES LTD PARTS CATALOG

FIGURE & INDEX NO	PART NUMBER	1234567 DESCRIPTION	EFF FROM TO	QTY
001	NO NUMBER	POSITION AND WARNING INSTL SEE 32-00 FIG. 1-5 FOR MHA	187999	REF
1	1EN1-12B	.SWITCH, UPLOCK, MAIN GE (V. 91929)		001
2	4 B23024-505	.SWITCH INSTL, GROUND CONTACT M.L		001
3	AN665-21R	..TERMINAL		001
4	NAS464P3-5	..BOLT (AP)		001
	AN320-3	..NUT (AP)		001
	AN960-C10	..WASHER (AP)		001
5	3 253507-1	..BOLT		001
6	MS21042-3	..NUT		002
7	NAS620A10L	..WASHER		002
8	444EN1-12	..SWITCH (INCLUDES ITEM 8A FOR SPARES)		001
8A	6PA3	...ARM (DISCARD THREADED BOLT)		R
9	4 B23051	.SWITCH INSTL, M.L.G, DOWN-LOCK		001
10	1EN1-6	..SWITCH (V. 91929)		001
11	4 B23051-3	..BRACKET ASSY		001
12	3 B23003	.SWITCH INSTL, M.L.G, UPLOCK		001
13	1EN1-12B	..SWITCH (V. 91929)		001
14	4 B23053-501	.SWITCH INSTL, GROUND CONTACT, M.		001
15	AN665-21P	..TERMINAL		001
15A	MS21043-3	..NUT	330999	001
15B	NAS620A-10L	..WASHER	330999	001
16	AN3-6	..BOLT (AP)		001
	AN320-3	..NUT (AP)		001
	AN960D10	..WASHER (AP)		001
17	444EN1-12	..SWITCH (INCLUDES ITEM 17A FOR SPARES)		001
17A	6PA3	...ARM- (INCLUDES THREADED BOLT)		001
17B	NO NUMBER	...BOLT, THREADED (INCLUDED IN ITEM 17A)		001
18	4 B23012-501	.SWITCH ASSY, DOWNLOCK, NOSE GEAR		001
19	4 B23012-15	..ANGLE		001
20	AN3H30A	..BOLT (AP)		001
21	AN3H3A	..BOLT (AP)		001
	AN960-D10L	..WASHER (AP)		001
22	4 B23012-13	..RETAINER		001
23	AN3H3A	..BOLT (AP)		001
24	4 B23012-17	..ANGLE		001
24A	4 B23019-19	..ANGLE	187306	001
25	AN509-10R7	..SCREW (AP)	307999	001
26	402EN1-12	..SWITCH (V. 91929)		001
27	43DM1	.HORN, GEAR WARNING (V. 04211)		001
28	ANS15-BR8	..BOLT (AP)		003
	MS20365-832	..NUT (AP)		003
	AN960-DB	..WASHER (AP)		003

EFFECTIVITY: 187- 999

32-60-00