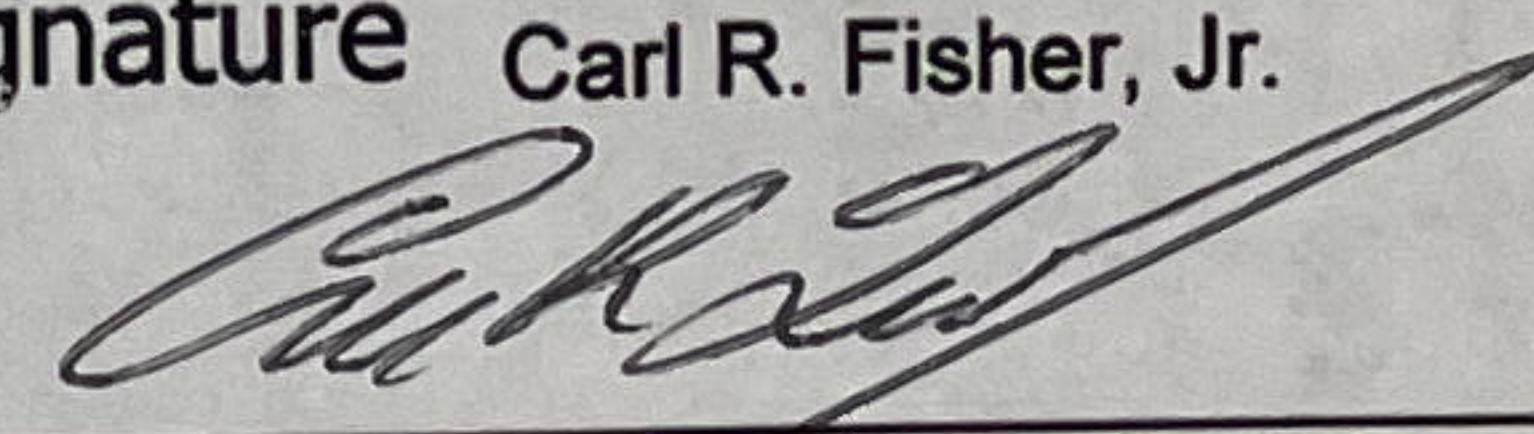


Aircraft Weight and Balance Revision

Tail Number: N2277S		Date: 08/19/2016	
Prepared by: Fisher Ag Service 4579 Twp Rd 126 Cardington, OH 43315		Work Order No:	
		Type Certificate Data No:	
Aircraft Make: Cessna	Model: TR182	Serial No: R18201319	Time:
Registered Owner:		Address:	
Maximum Weight 3112		CG Range FWD AFT	
As Received; Date of Previous Weight and Balance: 05/12/99	Useful Load: 1175.02	EW: 1936.98	EWCG: 37.47 Moment: 72570.4
Notes:			
	Weight	Arm	Moment
Removed factory starter GM000341	-16.25	-33	536.25
	0.00	0.00	0.00
Installed Skytech Flyweight Starter 149NL	9.5	-33	-313.50
	0.00	0.00	0.00
	0.00	0.00	0.00
	0.00	0.00	0.00
	0.00	0.00	0.00
	0.00	0.00	0.00
	0.00	0.00	0.00
	0.00	0.00	0.00
	0.00	0.00	0.00
	0.00	0.00	0.00
	0.00	0.00	0.00
	0.00	0.00	0.00
<input checked="" type="checkbox"/> As Calculated	Moment	New Empty Weight CG	
	72793.15	37.71	
<input type="checkbox"/> As Weighed	Weight	New Useful Load	
	1930.23	1181.77	
Signature Carl R. Fisher, Jr. 			
Repair Agency 3332873 or License No:			

Aircraft Weight and Balance Revision

Tail Number: N22775			Date: 08/19/2016	
Prepared by: Fisher Ag Service 4579 Twp Rd 126 Cardington, OH 43315			Work Order No:	
			Type Certificate Data No:	
Aircraft Make: Cessna	Model: TR182	Serial No: R18201319	Time:	
Registered Owner:		Address:		

Maximum Weight 3112	CG Range FWD	AFT
As Received; Date of Previous Weight and Balance: 05/12/99	Useful Load: 1175.02	EW: 1936.98 EWCG: 37.47 Moment: 72570.4

Notes:

	Weight	Arm	Moment
Removed factory starter GM000341	-16.25	-33	536.25
	0.00	0.00	0.00
Installed Skytech Flyweight Starter 149NL	9.5	-33	-313.50
	0.00	0.00	0.00
	0.00	0.00	0.00
	0.00	0.00	0.00
	0.00	0.00	0.00
	0.00	0.00	0.00
	0.00	0.00	0.00
	0.00	0.00	0.00

<input checked="" type="checkbox"/> As Calculated <input type="checkbox"/> As Weighed	Moment 72793.15 <hr/> Weight 1930.23	New Empty Weight CG 37.71	New Useful Load 1181.77
--	---	--	--

Signature Carl R. Fisher, Jr.

 Repair Agency 3332873
 or License No:

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.)

Replaced Rib PN 272200-1, Rib 2922192-1, Rib PN 2722193-1,
Skin 2722180-83 on leading edge of left wing out board. Wing
tip replaced. All work done in accordance with 43-11-1.
No change in weight and balance.

-----END-----

Additional Sheets Are Attached

35320

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.)

N2277S S/N: R18201319 Date: 5-12-99

Removed Narco DME190 System. Repaired skin at FS 188 with a 5" X 5" plate riveted in place.

Installed Northstar M1A Loran-C as a stand-alone system in accordance with (I/A/W) manufacturer's Installation Manual GM295 Revision M dated May 10, 1989 and Advisory Circular (AC) 20-121A Chapter 7 Paragraph 1 through 5. Receiver was mounted in radio rack at FS 11 and antenna was mounted with a 3" X 5" doubler plate riveted in place on belly at FS 140. A placard was installed stating "LORAN-C FOR PILOT USE ONLY."

All aluminum used for doubler plates was 2024-T3 0.040. All rivet patterns were consistent with that of manufacture and I/A/W AC 43.13-1B Chapter 4 Section 4 Paragraphs 57 a, b, c, d, and g. All skin repairs were performed I/A/W AC 43.13-1B Chapter 4 Section 4 Paragraph 58f. All work was performed I/A/W AC 43.13-1B Chapters 7, 11, 12 and AC 43.13-2A Chapter 1, Chapter 2 Paragraphs 21, 22, 23, and 27 as well as Chapter 3 Paragraphs 36, 38, and 39.

Weight and balance and equipment lists have been revised for this installation.

Periodic maintenance of the above installed systems is on condition only. Inspection guidelines are to be done I/A/W FAR 43, Appendix D, Paragraph (b) (2), (c) (1) & (7) and (i). The antenna shall not be painted in the event the aircraft is repainted.

END

Additional Sheets Are Attached



N2277

MODEL TR182

SERIAL # R18201319

	<u>WEIGHT</u>	<u>ARM</u>	<u>MOMENT</u>
REMOVED:			
Narco DME190 Receiver	5.20	11.00	57.20
Narco DME Antenna	0.10	188.00	18.80

*Supersided
8-19-16*

INSTALLED:			
Northstar M1A Loran-C Receiver	4.20	11.00	46.20
C1122SP Loran-C Antenna	0.50	140.00	70.00
2211 Loran-C Coupler	0.28	140.00	39.20

OLD EMPTY WEIGHT: 1937.30 37.42 72491.00

NEW EMPTY WEIGHT: 1936.98 37.47 72570.40

GROSS WEIGHT 3112.00
NEW EMPTY WEIGHT 1936.98
NEW C.G. 37.47
NEW USEFUL LOAD 1175.02
DATE 5/12/99

MUNCIE AVIATION COMPANY
C.R.S. # AJVR135C

INSPECTOR: *Scott D. Piche*
WORK ORDER NO. B3875

Muncie Aviation Company

Delaware County Airport / P.O. Box 1169
Muncie, Indiana 47308 / (765) 289-7141
E-Mail: muncieav1@aol.com
Website: www.muncieaviation.com

CESSNA AIRCRAFT COMPANY

WICHITA, KANSAS

Weight & Balance and Installed Equipment Data

CONTROL NUMBER	DATE	MODEL	REGISTRATION NUMBER	CESSNA SERIAL NUMBER
020045	07/31/79	TURBO PROPLANE RG II WITH TURBO PRO	N2277S	R18201319

ITEM	WEIGHT	ARM	MOMENT
STANDARD AIRPLANE (EMPTY, DRY) COMPUTED	1758.7	35.4	62258
INCLUDING ALL REQUIRED AND STANDARD EQUIPMENT ITEMS			
UNUSABLE FUEL 4.0 GALLONS	24.0	48.0	1152
FULL OIL 9.0 QUARTS	16.9	15.7-	265-
STANDARD EMPTY WEIGHT	1799.6	35.1	63145
OPTIONAL EQUIPMENT REPLACING OR IN ADDITION TO REQUIRED AND STANDARD EQUIPMENT ITEMS			
-K- 580K TOFFEE BROWN-MAJOR			NEGL.
-E- 580E BUTTERSCOTCH-ACCENT			NEGL.
-U-580U ALL-OVER ADOBE BEIGE			NEGL.
AFC OPT-3 TAN REEVANE W/TAN NOVADA FAB INSERTS			NEGL.
SHADOW GRAY UPPER INSTRUMENT PANEL			NEGL.
BASIC AVIONICS KIT	6.4	63.2	404
300 N/C RT385A 720 COM 200 NAV VOR/LOC	8.3	12.8	106
300 ADF W/BFO R546E	8.5	22.0	187
400 TRANSPONDER RT459A HIGH ALTITUDE	4.2	17.2	72
DETECTORS, NAVIGATION LIGHTS			NEGL.
FLIGHT CONTROLS, DUAL	6.7	14.1	94
GROUND SERVICE PLUG RECEPTACLE	3.1	2.5-	8-
HEATING SYSTEM, STALL WARNING & PITOT (EXCH.)	.5	26.5	13
INDICATOR TRUE AIR SPEED EXCH.	.2	16.5	3
LIGHT, BEACON, OMNI-FLASH	1.8	208.6	375
LIGHTS, COURTESY	.5	61.7	31
LOCATOR BEACON	3.5	134.6	471
STATIC KIT, ANTI-PRECIPITATION	.4	130.5	52
COM ANTENNA AND NAV COUPLER	1.1	37.1	41
300 N/C RT385A VOR/LOC (2ND UNIT)	8.3	12.8	106
400 MARKER BEACON R402A	2.6	100.1	260
400 GLIDESLOPE R443B 40 CH. INCL. VOR/ILS (EXCH)	4.6	97.1	447
ALTITUDE ENCODER, BLIND	1.5	13.6	20
CLOCK DIGITAL (EXCH)			NEGL.
HEADREST (SET OF 2-FRONT)	1.8	47.0	85
LIGHTS, INSTRUMENT POST	.5	17.5	9
LIGHTS, ELECTROLUMINESCENT PANEL	2.1	16.5	35
LIGHTS, STROBE	3.5	44.4	155
OXYGEN SYSTEM 4-PORT WHEN INSTALLED W/TURBO SYS	31.3	140.7	4404
RECORDER, FLIGHT HOUR	.6	7.8	5
SEAT PILOTS ARTICULATING RECLINE VERT. ADJ. (EXCH)	11.0	38.5	424
STABILIZER ABRASION BOOTS	2.7	206.0	556
VENTILATION SYSTEM, REAR SEAT	3.6	62.3	224
WINDOW, HINGED RH	2.3	47.0	108
300A NAVOMATIC INCL D GYRO CREDIT (EXCH.)	9.8	53.6	525
DME 190	6.1	22.8	139
300 VOR/LOC IND. W/AUTOMATIC RADIAL CENTERING (EX)	.2	15.5	3
BASIC EMPTY WEIGHT	1937.3	37.4	72491

United States of America
 Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate

This Certificate issued to *Number SA71GL*
 BRACKETT AERO FILTERS, INC.
 7052 Government Way
 Kingman, Arizona 86401

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified herein meets the airworthiness requirements of Part 21 of the Regulations.

Original Product Type Certificate Number: * See attached Approved Model List (AML)
Model: (AML) No. SA71GL for list of approved aircraft
Model: * models and applicable airworthiness regulations.
Description of Type Design Change: Installation of air filters in accordance with AML No. SA71GL dated April 17, 1995, or later FAA approved revision.

Limitations and Conditions: Approval of this change in type design applies to the above aircraft model(s) only. This approval should not be extended to aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this Certificate and FAA Approved Model List (AML) No. SA71GL dated April 17, 1995, or later FAA approved revision must be maintained as part of the permanent records for the modified aircraft.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: January 9, 1975
Date of issuance: February 21, 1975
Date revised: March 3, 1985, June 20, 2000
Date amended: April 17, 1995



By direction of the Administrator
Signature: [Handwritten Signature]
 Manager, Tech. and Admin. Support Staff
 Los Angeles Aircraft Certification Office
 (Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 1 year, or both.
 FAA Form 4310-2 (10-88) Page 1 of 2 This certificate may be transferred in accordance with FAR 21.47

FAA APPROVED MODEL LIST (AML) NO. SA71GL
 FOR
 BRACKETT AERO FILTERS, INC.
 INSTALLING AIR FILTERS

ITEM	AIR FILTER MODEL NUMBER	REVISION NUMBER & DATE	AIRCRAFT		AIRCRAFT MODEL	ORIGINAL CERTIFICATE NUMBER	CERT TYPE BASIS	AML AMENDMENT DATE
			MAKE	MODEL				
13	BA-2210R & BA-2210L & R	A	Cessna	21064535 without air conditioner) SN 21069200 thru 21061039	210D/E/F/G/H/J/K/L/V/M/N (thru SN 21064535 without air conditioner)	3A21	A16CE	CAR 3
			Cessna	require both right and left filters	2071A	A16CE	FAR 23	
			Cessna	P206/VB/C/D/E/F/G	U206/VB/C/D/E/F/G	A16CE	CAR 3	
14	BA-2310	C	Cessna	310F/G/H/V/W	310F/G/H/V/W	3A10	3A10	CAR 3
			Cessna	1006/B/C/D/E	1006/B/C/D/E	A16CE	CAR 3	
			Cessna	210N (SN 2100435 and up) 210N (SN 2100435 and up with air conditioner) 210R/210R/G/H/V/W	210N (SN 2100435 and up) 210N (SN 2100435 and up with air conditioner) 210R/210R/G/H/V/W	A16CE	FAR 23	
15	BA-2410	C	Cessna	TL 0406/B/C/D/E	TL 0406/B/C/D/E	3A21	A16CE	CAR 3
			Cessna	12071A	12071A	A16CE	FAR 23	
			Cessna	2100435 and up with air conditioner) 210R/210R/G/H/V/W	2100435 and up with air conditioner) 210R/210R/G/H/V/W	A16CE	FAR 23	
16	BA-2510	A	Cessna	1402	1402	3A21	A16CE	CAR 3
			Cessna	1402	1402	A16CE	FAR 23	
			Cessna	1402	1402	A16CE	FAR 23	

Issue Date: April 17, 1995