

12/ 9/2006
10:04AM

Mountain Air Aviation, Inc.
Aircraft Weight & Balance Report

Page: 1

Aircraft: N8137V Type: PIPER SARATOGA S/N: 32R-8029003
Model: PA32R-301T
Prior Empty Weight: 2,352.1 As Of: 5/28/2006
Prior Longitudinal Moment: 192,049.0 Arm: 81.6500
Prior Lateral Moment: 0.0 Arm: 0.0000
Prior Useful Load: 1,247.9

Items Removed:

Date	Description	Weight	Longitudinal		Lateral	
			Arm	Moment	Arm	Moment
12/ 9/2006	Prestolite starter	16.80	0.7000	11.8	0.0000	0.0
	Total of Items Removed:	16.80		-11.8		0.0

Items Installed:

Date	Description	Weight	Longitudinal		Lateral	
			Arm	Moment	Arm	Moment
12/ 9/2006	Sky Tec starter	9.40	0.7000	6.6	0.0000	0.0
	Total of Items Installed:	9.40		6.6		0.0

New Final Figures:

Weight: 2,344.7
Longitudinal Moment: 192,043.8 **Arm:** 81.9055
Lateral Moment: 0.0 **Arm:** 0.0000
Useful Load: 1,255.3

Date: 12/ 9/2006, A/C: N8137V, Model: PA32R-301T, S/N: 32R-8029003, Type: PIPER SARATOGA
Hobbs: 0.00, Tach: 0.00, Total: 0.00

Removed: Prestolite starter
Installed: Sky Tec starter

M. Brown ATP 2028525

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Removed: Prestolite starter
Installed: Sky Tec starter

M. Brown ATP 2028525

**EQUIPMENT LIST
WEIGHT & BALANCE
SUPPLEMENT:**

DATE: 5/28/06 Piper PA 32R-301T N8137V S/N 32R-8029003

Previous Data: 3/17/97 2360.7 81.7 192918.57

INSTALLED:

P.S. Engineering PMA 8000B Audio Pnl sys.	2.6	64.8	168.48
Garmin GNS530 NAV/COM/GPS Sys. GNS530W	9.0	62.0	558.0
GA66 GPS Ant. GA35*	0.6	97.9	58.74
Garmin GI106A VOR/ILS Indicator	1.6	65.0	104.0
D&M DMC63-2 COM Ant.	1.0	195.5	195.5
Lone Star CRB-6457 Fan sys.	2.0	53.0	106.0
Gnd Comm sys.	0.4	54.0	21.6

REMOVED:

Apollo 618 LORAN	-3.7	62.5	-231.3
V-Nav Encoder	-0.7	59.0	-41.3
Nat RS08	-0.4	62.7	-25.0
A23 LORAN Ant.	-1.0	234.9	-234.9
KR85 sys.	-8.6	96.6	-831.0
KI203	-1.6	65.5	-105.0
KX170B	-7.3	61.6	-450.0
KMA 20 Audio Panel / cable / mtg.	-2.5	64.8	-162.0

NEW BASIC EMPTY WEIGHT & BALANCE DATA:

WEIGHT: 2352.1 lbs.
ARM: 81.65"
MOMENT: 192050.39

[Signature]
Airborne Electronics, AIR, Inc.
Repair Station ND3R706L

Weight & Balance values were calculated using Weight & Balance data provided by the pilot / owner.
The pilot is responsible to ascertain the accuracy of all Weight & Balance information and data.

*Superseded
12-8-06
M. Brown*

* GNS 530 system upgraded to GNS 530W WAAS
GPS system 4/18/08 *[Signature]* Airborne Electronics
Rep STA. ND3R706L



**Maintenance &
Modifications**

**FAA Certified
Repair Station
DJ3R451L**

J.S. Aviation
10735 Airport Road
Columbia, Ca. 95310

Amended Weight and Balance Sheet

Aircraft Pipar Model PA-32-R301T Registration# N8137V
Serial # 32B-8029003 Date 3/17/97 Total Time 2050.92

Item	Weight lbs.	Arm	Moment
Empty Wt.	2352.11	81.9	192646.99
Standby			0
Vacuum Pump	7.49	32	239.68
Installation			0
Components	1.1	29	31.9
			0
			0
			0
			0
			0
			0
			0
			0
			0

Totals

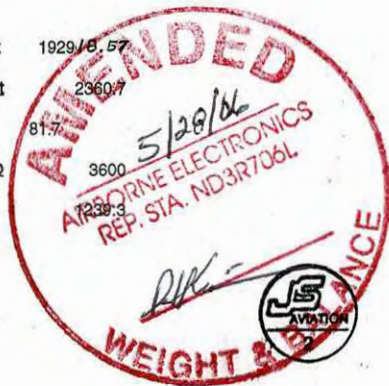
New Moment 192948.57

Empty Weight 2360.7

New CG 81.7

Maximum TO 3600

Useful Load 1239.3



Maintenance &
Modifications

FAA Certified
Repair Station
No. DJ3R451L

J. S. AVATION
10735 Airport Road
Columbia, California 95310
(209) 532-3855

AMENDED WEIGHT AND BALANCE SHEET

Aircraft Make Piper Model PA-32R-301T N 8137V
S/N 32R-8029003 Date 1-2-95 T/T 1780.1

<u>ITEM</u>	<u>WEIGHT</u>	<u>ARM</u>	<u>MOMENT</u>
Aircraft	2343.8 lbs.	81.59 in	191237.60
Gear Lobes	2.2	132.00	290.4
Wing Root Fairing	1.8	64.65	116.37
Flap Hinge Fairing	1.38	133.00	183.54
Stabilator Fairing	.38	308.00	117.04
Fuselage Fairing	.19	136.00	25.84
Flap Gap Seal	1.69	129.00	218.01
R.M.D. Wing Tips	4.00	106.2	424.8
Pulse Light Kit	.63	53.0	33.39
New Empty Weight	2352.11 lbs.		
New Moment			192646.99 lbs.*ins
New C.G.		81.9 ins.	
<u>Moment</u> Weight	=	New C/G	81.9

Handwritten: 507 R/R C/R 3/17/97

**CINEMA AIR
AVIONICS**

WEIGHT & BALANCE REVISION

MODEL PIPER PA32R-301T

S/N 32R-8029003

REG. NO. N8137V

DATE	ITEM	WEIGHT	ARM	MOMENT
4/25/80	PREVIOUS EMPTY WEIGHT & BALANCE DATA	2329.45	81.58	190028.25

[illegible]

CURRENT EMPTY WEIGHT & BALANCE DATA	2335.7	81.6	190587.6
	WEIGHT	ARM	MOMENT

W.O.NO. 2409

INSPECTOR

CUST. CODE MOOTO

DATE August 4, 1989

MITCHELL INDUSTRIES, INC.

WEIGHT & BALANCE DATA

Page 1 of 2

AIRCRAFT MAKE	MODEL	SERIAL NO.	REGISTRATION
Piper	PA-32R-301T	32R-8029003	N8137V
OWNER	ADDRESS		
Piper Aircraft Corporation	P. O. Box 1328 Vero Beach, FL 32960		

DESCRIPTION OF WORK ACCOMPLISHED

ITEM	WEIGHT	ARM	MOMENT
A/C Basic Empty Wt. (Dated 11-9-79)	2318.6	80.6	187284.0
Items Removed:			
52D54 Directional Gyro	-2.9	64.4	-186.76
52D67 Attitude Gyro	-1.8	64.4	-115.92
1C515-1 Amplifier	-2.3	123.0	-282.90
1D720 Console	-1.3	66.4	-86.32
1C709-16 Trim Amplifier	-7	215.0	-150.50
1C373-6-529 Trim Servo	-2.2	189.8	-417.56
1C725 Altitude Hole	-1.8	56.0	-100.80
1C388 Radio Coupler	-1.0	64.4	-64.40
1A526 Relay Box	-2.25	61.0	-15.25
1C493 Glide Slope Coupler	-7	58.0	-40.60
KI206 Vor/Loc Indicator	-1.3	63.0	-81.90
Wiring	-2.2	91.5	-201.30
	-18.45		-1744.21
ms Installed:			
52D177 Steering Horizon	3.3	64.4	212.52
52D137-1333 NSD 360A	4.1	63.4	259.94
1D757-1002003 Flight Computer	7.0	216.3	1514.10
1C771 Flight Programmer	.7	66.4	46.48
1B495 Flux Detector	.7	213.0	149.10
1B759 Relay Box	.3	212.5	63.75
1C774 Annunciator	.4	211.8	84.72

CATEGORY	EMPTY WEIGHT (LBS.)	EMPTY WEIGHT C.G.	USEFUL LOAD (LBS.)
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DATE WEIGHT & BALANCE COMPLETE

SIGNATURE OF AUTHORIZED INDIVIDUAL

ADDITIONAL SHEETS ATTACHED

MITCHELL INDUSTRIES, INC.

WEIGHT & BALANCE DATA

Page 2 of 2

AIRCRAFT MAKE	MODEL	SERIAL NO.	REGISTRATION
Piper	PA-32R-301T	32R-8029003	N8137V
OWNER Piper Aircraft Corporation		ADDRESS P. O. Box 1328 Vero Beach, FL 32960	

DESCRIPTION OF WORK ACCOMPLISHED

<u>ITEM</u>	<u>WEIGHT</u>	<u>ARM</u>	<u>MOMENT</u>
1C363-1-865R Roll Servo	2.3	121.7	279.91
1C812-2-863 Pitch Servo	2.9	264.3	766.47
1C373-6-529 Trim Servo	2.2	189.8	417.56
1C714 Slaving Amplifier	.7	52.8	36.96
1C778-100 A/P Adapter	.4	218.0	87.20
Wiring & Brackets	4.3	132.5	569.75
	2329.45		190028.25

— SUPERSEDED —

SIGNED

Bill S.

DATE

*8/4/89*CINEMA AIR AVIONICS, CARLSBAD CA.
REPAIR STATION #400-83

CATEGORY	EMPTY WEIGHT (LBS.)	EMPTY WEIGHT C.G.	USEFUL LOAD (LBS.)
	2329.45	81.58	1287.55

4-25-80

DATE WEIGHT & BALANCE COMPLETE

William D. Thomas

William D. Thomas

SIGNATURE OF AUTHORIZED INDIVIDUAL

ADDITIONAL SHEETS ATTACHED

EAM-DAS Form 500-1