

Attachment 4

Weight and Balance

COMAIR

▲ Delta Connection

WEIGHT AND BALANCE RECORD

A/C NUMBER # 7472

CRJ 50	
BOW <u>31498.74</u> LBS.	BOW INDEX <u>45</u>

Issued By (NAME) <u>basil shuga</u>	Date <u>05/22/06</u>
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This form has been removed by:	
Initials _____	Date _____

CL 600-2B19 WEIGHT AND BALANCE WORKSHEET

Registration: N431CA

SN:7472

DATE:05-22-06

THE FOLLOWING CHANGE IN THE BASIC OPERATING WEIGHT HAS BEEN MADE TO REFLECT THE FOLLOWING MINOR ALTERATION.

	Weight	CG (X Arm)	Moment
BOW from last computation dated 09-30-05	31498.74	517.05	16286.42
Removed Crew Baggage	-60.00	687.00	-41.22
MOD-2-25M0002 Installation of enlarged galley door to accommodate Crew Baggage	60.00	165.00	9.90
NEW BASIC OPERATING WEIGHT	31498.74	516.06	16255.10
BOW CG	516.06		
INDEX	44.60		

AIRCRAFT WEIGHT AND BALANCE RECORD (FORM # 0031) IN THE AIRCRAFT MAINTENANCE LOG HAS BEEN UPDATED TO REFLECT THE INDEX NUMBER AND THE BASIC OPERATING WEIGHT.

Signature

COMAIR, INC

COMAIR Delta Connection

WEIGHT AND BALANCE RECORD

A/C NUMBER # 7472

CRJ 50	
BOW <u>31498.74</u> LBS.	BOW INDEX <u>46</u>

Issued By (NAME) <u>Keith Obar</u>	Date <u>09/30/05</u>
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This form has been removed by:	
Initials <u>BAS</u>	Date <u>05-22-06</u>

CL600-2B19 WEIGHT AND BALANCE WORKSHEET.

AIRCRAFT N # 431CA
AIRCRAFT S/N 7472

DATE 09/30/05

AIRCRAFT WEIGHT CHANGE DUE TO THE INCORPORATION OF AD-2-27M0001
REPL. STAND OFFS W/FEED THRU ASSYS & RE-ROUTE ELEC HARNESS

	WT.	ARM	MOM.
B.O.W. FROM COMPUTATION			
DATE : 09/30/05	31498.35	517.05	16286.22
INSTALLED:			
AD-2-27M0001	0.39	545.10	0.21
NEW BASIC OPERATING WEIGHT	31498.74	517.05	16286.43

45.96 B.O.W. Index = 46 Rounded B.O.W. Index

AIRCRAFT CLIPBOARD WEIGHT AND BALANCE STATUS SHEET HAS BEEN UPDATED
TO REFLECT CURRENT DATA.

COMAIR, INC.
COMA-005b


6/10/05

COMAIR Delta Connection WEIGHT AND BALANCE RECORD

A/C NUMBER # 7472

BOW <u>31498.35</u> LBS.	BOW INDEX <u>46</u>
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Issued By (NAME) <u>Robert Melcher</u>	Date <u>09/30/05</u>
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This form has been removed by:	
Initials <u></u>	Date <u>9/30/05</u>

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CL600-2B19 WEIGHT AND BALANCE WORKSHEET.

AIRCRAFT N # 431CA
AIRCRAFT S/N 7472

DATE 09/30/05

AIRCRAFT WEIGHT CHANGE DUE TO THE INCORPORATION OF AD-2-27M0001
REPL. STAND OFFS W/FEED THRU ASSYS & RE-ROUTE ELEC HARNESS

	WT.	ARM	MOM.
B.O.W. FROM COMPUTATION			
DATE : 09/30/05	31498.35	517.05	16286.22
INSTALLED:			
AD-2-27M0001	0.39	545.10	0.21
NEW BASIC OPERATING WEIGHT	31498.74	517.05	16286.43

45.96 B.O.W. Index = 46 Rounded B.O.W. Index

AIRCRAFT CLIPBOARD WEIGHT AND BALANCE STATUS SHEET HAS BEEN UPDATED
TO REFLECT CURRENT DATA.



COMAIR, INC.
COMA-005b

COMAIR[®]
▲ Delta Connection[®]

WEIGHT AND BALANCE RECORD

A/C NUMBER # 7472

CRJ 600-2B19

BOW 31498.35 **LBS.**

BOW INDEX 46

Issued By (NAME) Robert Melcher **Date** 09/30/05

This form has been removed by:

Initials _____

Date _____

CL600-2B19 WEIGHT AND BALANCE WORKSHEET.

AIRCRAFT N # N431CA
AIRCRAFT S/N 7472

DATE SEP 30, 2005 (2)

AIRCRAFT WEIGHT CHANGE DUE TO THE INCORPORATION OF SB-2-27M0003
SKEW DETECTION SYSTEM (SDS) INSTALLATION AND ACTIVATION

	WT.	ARM	MOM.
B.O.W. FROM COMPUTATION			
DATE : SEP 30, 2005	31493.30	517.08	16284.56
INSTALLED:			
SB-2-27M0003	5.05	332.16	1.68
NEW BASIC OPERATING WEIGHT	31498.35	517.05	16286.23

45.96 B.O.W. Index = 46 Rounded B.O.W. Index

AIRCRAFT CLIPBOARD WEIGHT AND BALANCE STATUS SHEET HAS BEEN UPDATED
TO REFLECT CURRENT DATA.



COMAIR, INC.
COMA-005b



WEIGHT AND BALANCE RECORD

A/C NUMBER 7472

CRJ 40/50/70

BOW 31487.60

BOW INDEX 46

Issued By : Michael Helm

Date 09/20/2005

This form has been removed by:

Initials

Date 9/30/05

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7-1-55

GMM 9/27/2002 (REV 01)

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CL600-2B19 WEIGHT AND BALANCE WORKSHEET.

AIRCRAFT N # N431CA
AIRCRAFT S/N 7472


DATE SEP 30, 2005 (1)

AIRCRAFT WEIGHT CHANGE DUE TO THE INCORPORATION OF SB-2-27M0001
INSTALLATION PROVISIONS FOR SKEW DETECTION SYSTEM (SDS)

	WT.	ARM	MOM.
B.O.W. FROM COMPUTATION			
DATE : SEP 20, 2005	31487.60	517.09	16281.92
INSTALLED:			
SB-2-27M0001	5.40	435.90	2.35
NEW BASIC OPERATING WEIGHT	31493.00	517.08	16284.28

46.00 B.O.W. Index = 46 Rounded B.O.W. Index

AIRCRAFT CLIPBOARD WEIGHT AND BALANCE STATUS SHEET HAS BEEN UPDATED
TO REFLECT CURRENT DATA.


COMAIR, INC.
COMA-005b

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WEIGHT AND BALANCE RECORD

A/C NUMBER 7472

CRJ 40/50/70

BOW 31487.60

BOW INDEX 46

Issued By : Michael Helm

Date 09/20/2005

This form has been removed by:

Initials _____

Date _____

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7-1-55

GMM 9/27/2002 (REV 01)

CL 600-2B19 WEIGHT AND BALANCE WORKSHEET

REGISTRATION NUMBER: N431CA SN: 7472 DATE: 09/20/05

THE FOLLOWING CHANGE IN THE BASIC OPERATING WEIGHT
HAS BEEN MADE TO REFLECT THE FOLLOWING MINOR ALTERATION.

	Weight	CG (X Arm)	Moment
BOW from last computation dated *05-15-05	31500.20	518.23	16284.20
MOD-2-25M0005			
Removal of coffemaker and installation of blanking plate	-12.60	172.00	-2.17
NEW BASIC OPERATING WEIGHT	31487.60	517.09	16282.03
BOW CG	517.09		
INDEX	46.02		

AIRCRAFT WEIGHT AND BALANCE RECORD (FORM # 0031) IN THE AIRCRAFT MAINTENANCE LOG HAS
BEEN UPDATED TO REFLECT THE INDEX NUMBER AND THE BASIC OPERATING WEIGHT.



Signature

COMAIR, INC

COMAIR
Delta Connection

WEIGHT AND BALANCE RECORD

A/C NUMBER # 7472

CRJ 40 / 50 / 70

BOW 31345.20 **LBS.** **BOW INDEX** 49

Issued By (NAME) C. HELLING **Date** 2/29/2004

This form has been removed by:

Initials 

Date

5-15-05

CL-600-2B19 WEIGHT AND BALANCE WORKSHEET

DATE: 05-15-05:

AIRCRAFT REGISTRATION NUMBER N431CA
AIRCRAFT SERIAL NUMBER 7472

COMAIR BASIC OPERATING WEIGHT	Weight	Arm	Moment
From last calculation dated: 2/29/04	31345.20	519.52	16284.61

ADJUSTMENTS - AC 120-27D

2 FLIGHT CREWS	20.00	127.00	2.54
2 PILOT FLIGHT BAGS	40.00	127.00	5.08
FLIGHT ATTENDANT	40.00	182.00	7.28
CREW BAGGAGE	30.00	687.00	20.61
FLIGHT ATTENDANT CREW BAGGAGE (L2)	15.00	163.00	2.45
FLIGHT ATTENDANT KIT (L2)	10.00	163.00	1.63
NEW BASIC OPERATING WEIGHT	31500.20	518.23	16324.20

BASIC OPERATING C.G. 518.23

INDEX 47.57
 (weight (arm-520) / 23000) + 50

AIRCRAFT WEIGHT AND BALANCE RECORD (FORM # 0031) IN THE AIRCRAFT MAINTENANCE LOG HAS BEEN UPDATED TO REFLECT THE NEW INDEX NUMBER AND THE BASIC OPERATING WEIGHT.



Signature

COMAIR, INC
 COMA005B

COMAIR
▲ Delta Connection

WEIGHT AND BALANCE RECORD

A/C NUMBER # 7472

GRJ 40/50/70			
BOW	31345.20	LBS.	BOW INDEX 49

Issued By (NAME)	C. HELLING	Date	2/29/2004
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This form has been removed by:	
Initials _____	Date _____

CRJ50 WEIGHT AND BALANCE WORKSHEET

AIRCRAFT N# N431CA

AIRCRAFT S/N# 7472

DATE: 02/29/04

Weight and Balance computation due to incorporation of Engineering Order 32-085

P/N 10764-105/-106

	<u>Weight</u>	<u>Arm</u>	<u>Moment</u>
B.O.W. carried forward from last computation date			
01/21/04	31323.80	519.52	16273.34
E.O. 32-085	21.40	526.5	11.27

31345.20 16284.61

BASIC OPERATING 31345.20 519.52 16284.61

BASIC OPERATING C.G. 519.52

INDEX 49

weight (arm-520) / 23000) + 50

AIRCRAFT WEIGHT AND BALANCE RECORD (FORM # 0031) IN THE AIRCRAFT MAINTENANCE LOG HAS BEEN UPDATED TO REFLECT THE INDEX AND THE BASIC OPERATING WEIGHT.

signature /

COMAIR, INC

COMAIR ▲ Delta Connection

WEIGHT AND BALANCE RECORD

A/C NUMBER 7472

CRJ 40/50	
BOW: <u>31323.80</u> LBS.	BOW INDEX: 49

Post-it® Fax Note	7671	Date	# of pages <u>3</u>
To	<u>RECORDS</u>	From	<u>MAINT</u>
Co./Dept.	<u>CVG</u>	Co.	<u>MCO</u>
Phone #		Phone #	
Fax #		Fax #	

Issued By: <u>Michael J. Plush</u> <i>mjp</i>	Date: <u>01/21/04</u>
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This form has been removed by:	
Initials <u>[REDACTED]</u>	Date <u>02/29/04</u>

COMAIR™
▲ Delta Connection®

WEIGHT AND BALANCE RECORD

A/C NUMBER 7472

CRJ 40/50	
BOW: <u>31323.80</u> LBS.	BOW INDEX: 49

Issued By: <u>Michael J. Plush</u> 	Date: <u>01/21/04</u>
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This form has been removed by:	
Initials _____	Date _____

CL600-2B19 (50 SEAT POST EO 25-127) WEIGHT AND BALANCE WORKSHEET.

AIRCRAFT N # 431CA
 AIRCRAFT S/N 7472

DATE 1/21/04

AIRCRAFT WAS WEIGHTED ON THIS DATE IN ACCORDANCE WITH COMAIR WEIGHT AND BALANCE MANUAL.

	WT.	ARM	MOM./1000
NOSE	1163.00	150.00	174.45
LT. MAIN	14633.00	544.30	7964.74
RT. MAIN	14558.00	544.30	7923.92
<hr/>			
EMPTY WEIGHT	30354.00	529.19	16063.11
HALF SIZE MEAL CART	40.60	182.50	7.4
HALF SIZE WAST CART	40.20	182.50	7.3
STANDARD CONTAINERS IN GALLEY (5)	40.00	175.70	7.0
GALLEY SUPPLIES	150.00	182.50	27.4
STANDARD CONTAINERS IN WARDROBE	8.00	165.80	1.3
POTABLE WATER (GALLEY)	67.10	213.00	14.3
WASH WATER LAVATORY	41.90	709.00	29.7
UNUSABLE FUEL (RESIDUAL ONLY)	47.00	494.30	23.2
FLIGHT CREW (2)	360.00	127.00	45.7
FLIGHT ATTENDANT	130.00	182.00	23.7
PILOT CREW BAGGAGE	30.00	687.00	20.6
FLIGHT ATTENDANT CREW BAGGAGE	15.00	163.00	2.4
<hr/>			
BASIC OPERATING WEIGHT	31323.80	519.52	16273.25

49.34 B.O.W. Index

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49 Rounded B.O.W. Index

AIRCRAFT CLIPBOARD WEIGHT AND BALANCE STATUS SHEET HAS BEEN UPDATED TO REFLECT CURRENT DATA.



COMAIR, INC.
 COMA-005b