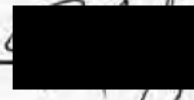
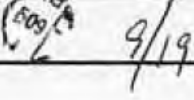


Aircraft Serial Sheet

Model/Unit Registration No.	208B 1 900 N 375 WY	Time Landings	22.3 12	Keys Fuel Caps	ACS 207 N/A
#1 Engine #2 Engine Propeller	S/N PCF-PC0885 N/A 010390	Time	22.3 N/A 22.3	Cycles	12 N/A 12
Physical Inspect Engine S/N's (Inspection Stamp)					
Air Data Computer/Sensor #1 Air Data Computer/Sensor #2 Transponder #1 Transponder #2 Pilot's Altimeter (208, 208B) Co-pilot's Altimeter (208, 208B & 525 / 525A) Standby Alt/ASI (750, 525 / 525A) Standby Air Data Unit (550, 560, & 560XL)	Part No. N/A	S/N	N/A N/A 83925004 N/A 32044 420097 N/A N/A	F/T Date	N/A N/A 7-1-01 N/A 5-14-01 4-16-01 N/A N/A
Fire Bottle #1 Squib #1 Squib #2 Fire Bottle #2 Squib #3 Squib #4 APU Fire Bottle Squib #5 (APU) Squib #6 (APU)	S/N		N/A N/A N/A	F/T Date	
APU (Model 560XL & 750 " ")		S/N	Hours	Cycles	
N/A		N/A	N/A	N/A	
Inspector	 				

Airplane Order

OPERATIONS

CHANGE 8



INVOICE TO Propjet Mkt.	SHIP TO *	CONTROL NO. 208B0900 200900
CUSTOMER ORDER NO.	MODEL 208B Grand Caravan	DATE 12-22-00 LOCK NO.
SERIAL NO. 208B0900	REGISTRATION N5166T TEMP 08 06-20-01 N375WY 08	ENGINE NUMBER FORE/L.H. AFT/R.H. PROPELLER NUMBER FORE/L.H. AFT/R.H.

INSTALL EQUIPMENT AS FOLLOWS

			CHANGE		
ITEM	F.K. NUMBER	DESCRIPTION	NO.	TYPE	DATE
	*	Avionic E.O. 1200	2	D	01-31-01
3	999	W/A Interior Configuration	4	D	04-03-01
18	06M	Cargo Pod Installation	5	D	05-01-01
4	736Q	Sidewalls Tahoe Gray	6	D	05-04-01
2	599	W/A Exterior Configuration	8	D	06-20-01
	*	Avionic E.O. 1261	2	A	01-31-01
EXTERIOR					
1	570	Registration Number to be with Non-Cat/Poly Paint			
2	SER9	Special Paint Per Line Drawing	8	A	06-20-01
		Paint Permanent Special Registration N375WY.			
INTERIOR					
3	735L	Seats - Dakota Leather Taupe	4	A	04-03-01
4	736K	Sidewalls - Canyon Beige	6	A	05-04-01
5	838G	Carpet - Sierra Beige	4	A	04-03-01
OPTIONAL EQUIPMENT					
6	SER1	Install FK123C IFR Package except delete the KMA 24 Audio Panel, Dual KX165 Nav/Coms, and KT71 Transponder. Replace with the following Garmin equipment: GMA 340 Audio Panel with Cabin PA, GNS 530 Nav/Com/GPS, GNS430 Nav/Com/GPS and GTX 327 Transponder.	1	A	01-04-01
7	SER2	INstall BFG Skywatch displayed on the GNS 530	1	A	01-04-01
PAINT			UPHOLSTERY AND TRIM		
PRODUCTION DATE			CLEAN UP		
			DELIVERY DATE		
			Per Prod Schedule		

Airplane Order

OPERATIONS

CHANGE 8



INVOICE TO Propjet Mkt.	SHIP TO *	CONTROL NO. 208B0900 200900
CUSTOMER ORDER NO.	MODEL 208B Grand Caravan	DATE 12-22-00 LOCK NO. ENGINE NUMBER FORE/L.H. AFT/R.H.
SERIAL NO. 208B0900	REGISTRATION N5166T TEMP 08 06-20-01 N375WY 08	PROPELLER NUMBER FORE/L.H. AFT/R.H.

INSTALL EQUIPMENT AS FOLLOWS

			CHANGE		
		DESCRIPTION	NO.	TYPE	DATE
8	SER3	INStall Bendix/King KGP 560 TAWS displayed on the KMD 850	1	A	01-04-01
9	SER4	Install FK 630X RDR 2000 Weather Radar except KMD 850 Display replaces IN 182 Indicator	1	A	01-04-01
10	SER5	Install WX500 Stormscope and display on KMD850.	1	A	01-04-01
11	SER7	Interface the Skywatch to both the Garmin 530 and 430. Interface the Stormscope, in addition to the KMD850, to the Garmin 530 and 430.	7	A	06-14-01
12	SER8	Interface Skywatch to Garmin GNS430 and KMD 850 in addition to GNS530 SER2.	7	A	06-14-01
13	02K	KRA-10A Radar Altimeter w/KFC-225 Autopilot			
14	619B	KFC-225 Autopilot with Yaw Damper			
15	660	KI-227-01 Slaved ADF Ind. (Exch)			
16	09S	Flight Panel, RH	3	A	03-14-01
17	50Q	Indicator, Turn Coordinator (exch)	3	A	03-14-01
18	67	Recorder, Flight Hour	3	A	03-14-01
19	02A	Airconditioning, Cabin (Freon)	3	A	03-14-01
20	06N	Cargo Pod Provisions	5	A	05-01-01
21	06P	Cargo Tie-Down Fittings Instl. (100 lb. rating)	3	A	03-14-01
22	10M	Chip Detector Installation	3	A	03-14-01
23	113B	Seating Instl. (10 place commuter) (Crew, 4 RH single, 4 LH single)	3	A	03-14-01
24	14	Fire Extinguisher, Cabin, Hand Type	3	A	03-14-01
PAINT			UPHOLSTERY AND TRIM		
CLEAN UP					
PRODUCTION DATE			DELIVERY DATE Per Prod Schedule		

Airplane Order

OPERATIONS

CHANGE 8



INVOICE TO Propjet Mkt.	SHIP TO *	CONTROL NO. 208B0900 200900
CUSTOMER ORDER NO.	MODEL 208B Grand Caravan	DATE 12-22-00 LOCK NO.
SERIAL NO. 208B0900	REGISTRATION N5166T TEMP 08 06-20-01 N375WY 08	ENGINE NUMBER FORE/L.H. AFT/R.H. PROPELLER NUMBER FORE/L.H. AFT/R.H.

INSTALL EQUIPMENT AS FOLLOWS

ITEM	F.K. NUMBER	DESCRIPTION	CHANGE	
			NO.	DATE
25	22Y	Deice Sys Certified for Flight in Icing Conditions (Incl. FK22Z Anti-Ice Sys.-Propeller, FK46D Anti-Ice Sys. Windshield, De-Ice Wing - Wing Strut & Empennage Boots (Pneumatic), and FK04D Standby Electrical System.	3	A 03-14-01
26	30G	Abrasion Boot Instl. Radar Pod		
27	56A	Light, Beacon-Omni Flash (red)	3	A 03-14-01
28	57L	Lights, Courtesy	3	A 03-14-01
29	59H	Valve, Oil Quick Drain w/Elect. Standby	3	A 03-14-01
30	60A	14 Place Oxygen System	3	A 03-14-01
31	69R	Relief Tube, Universal w/o cargo pod	6	A 05-04-01
32	70N	Sign, Fasten Seat Belt & No Smoking	3	A 03-14-01
33	86R	Step, Cabin Entrance, Retractable (RH crew door)	3	A 03-14-01
34	91U	Extended Nose Gear Fork	3	A 03-14-01
35	SER6	The pos is being removed by kits, this is to fill the holes predrilled for the drain gutter.	5	A 05-01-01
PAINT		UPHOLSTERY AND TRIM	CLEAN UP	
PRODUCTION DATE			DELIVERY DATE Per Prod Schedule	

PRE-DELIVERY ACCEPTANCE SHEET



NAV Correction #1 -1°

#2 1°

#3 N/A

Aircraft Serial No. 208B0900

Registration No. N375WY

Total Flight Time 22.3 Hrs.

12 Flts.

Aircraft accepted
thru flight:

Pilot: [Redacted]

Date: 9-11-01

Aircraft ready
for acceptance:

Department: [Redacted]

37804

Date: 9-12-01

Aircraft accepted
by inspection:

Pre-Delivery Insp./
Insp. Supervisor: [Redacted]



Date: 9-19-01

Shift: 1st

ENGINE AND PROPELLER
SERIAL RECORD



MODEL 208 B

AIRCRAFT S/N 000 900

FAA REG. N5166T

DATE 6-19-01

#1 ENGINE
FCE-PC0855

#2 ENGINE

#1 PROPELLER
010390 "

#2 PROPELLER

#1 TURBO

#2 TURBO

#1 BLADE
VA 30032

#1 BLADE

#2 BLADE
VA 30040

#2 BLADE

#3 BLADE
VA 30041

#3 BLADE

LOCK NO. ACS-207

INSPECTION - INTERIOR

INSPECTION - EXTERIOR

FINAL PIR BOOKS OK

6
19
01

6
19
01

6
19
01

1. UNITED STATES		2. FAA FORM 8130-3 AIRWORTHINESS APPROVAL TAG U.S. Department of Transportation Federal Aviation Administration			3. System Tracking Ref. Number W01328-1522	
4. Organization Pratt & Whitney Engine Services, Inc., 1955 Midfield Rd., Wichita, KS 67209					5. Work Order, Contract or Invoice Number W01328	
6. Item	7. Description	8. Part Number	9. Eligibility *	10. Quantity	11. Serial/Batch Number	12. Status/Work
1	TURBOFAN ENGINE	31J1900-01	PT6A-114A	1	PC0885	REPAIR
13. Remarks Removed and replaced damaged heli-coil from accessory drive case. All work performed in accordance with the PT6A-114A Maintenance Manual.						
<i>Limited life parts must be accompanied by maintenance history including total time/total cycles/time since new.</i>						
14. New ☐ Newly Overhauled ☐ 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. NOTE: In case of parts to be exported, the special requirements of the importing country have been met.				19. Return to Service in Accordance with FAR 43.9 Certifies that the work specified 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) is (are) approved for return to service.		
15. Signature:		16. FAA Authorization No		20. Authorized Signature: 		21. Certificate Number: CRS P8WR813J
17. Name (Typed or Printed):		18. Date:		22. Name (Typed or Printed): Steve Anger		23. Date: 6/7/2001

20880900

1. Country-Pays CANADA		2.  Transport Canada / Transports Canada AUTHORIZED RELEASE CERTIFICATE - BON DE SORTIE AUTORISE		Form Formulaire 24-0078		3. Certificate Ref. No. - No de référence du bon SEE BLOCK 5	
4. Organization-Organisme  Pratt & Whitney Canada Une société de United Technologies/A United Technologies Company				Pratt & Whitney Canada Cie / Pratt & Whitney Canada Corp. 4045 - 26 AVE. NORTH LETHBRIDGE, ALBERTA T1H 6G2		5. Work Order/Contract Invoice-Bon de travail/contrat/facture P. O. # 4000108366	
6. Item 1	7. Description Free Turbine Turbo-Prop PT6A-114A	8. Part No. - No de pièce 3044000	9. Eligibility-Admissibilité VARIOUS	10. Qty-Qté 1	11. Serial Batch No.-No de série/lot PCE-PC0885	12. Status/Work - Etat/travail MANUFACTURED	

13. Remarks - Remarques

CANADIAN TYPE CERTIFICATE E-15, FAA TYPE CERTIFICATE E4EA

THIS ENGINE CONFORMS TO ITS UNITED STATES TYPE DESIGN (TYPE CERTIFICATE NUMBER E4EA) AND IS IN CONDITION FOR SAFE OPERATION. THIS ENGINE HAS BEEN SUBJECTED BY THE MANUFACTURER TO A FINAL OPERATION CHECK AND IS IN A PROPER STATE OF AIRWORTHINESS.

14. New Parts - Pièces neuves AWM M de N		Chapter 561 Chapitre 561		19. Used Parts - Pièces usagées CAR RAC		571.10 - Maintenance Release 571.10 - Certification après maintenance	
Certified that the part(s) identified above except as otherwise specified in block 13 has (have) been manufactured/inspected in accordance with the applicable design data and with the airworthiness regulations of the stated country.		Il est certifié que la (les) pièce(s) identifiée(s) ci-haut, sauf si autrement spécifié à la case 13, a (ont) été construite(s)/inspectée(s) conformément aux données de conception pertinentes et aux règlements de navigabilité au pays indiqué.		Certified that the maintenance specified above has been performed in accordance with the applicable standards of airworthiness. Except as otherwise specified in block 13, the part(s) is (are) released for service.		Il est certifié que la maintenance spécifiée ci-haut, a été effectuée conformément aux normes de navigabilité applicables. Sauf si autrement spécifié, à la case 13, la remise en service de la (des) pièce(s) est autorisée.	
16. Approval Ref. No. - Réf. d'autorisation  J. MACDONALD		18. Date 2001 MAY 13		20. Signature		21. Approval Ref. No. - Réf. d'autorisation	
22. Name (typed or printed) - No (dactylographié ou imprimé)		23. Date					

Installer must cross-check eligibility with applicable technical data - Le monteur doit vérifier l'admissibilité avec les données techniques pertinentes

USER/INSTALLER RESPONSIBILITIES

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/ component/assembly. Where the user/installer works in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority of the country specified in block 1 it is essential that the user/installer ensures that his/her Airworthiness Authority accepts parts/components/assemblies from the Airworthiness Authority of the country specified in block 1. Statements 14 and 19 do not constitute installation certification. In all cases the aircraft maintenance record must contain an installation certification issued in accordance with the national regulation by the user/installer before the aircraft may be flown.

RESPONSABILITES DE L'USAGER/MONTEUR

Il est important de bien comprendre que de par son existence ce document ne constitue pas forcément l'autorisation d'installer la pièce/composant/ensemble. Lorsque l'usager/monteur (euse) travaille conformément aux règlements nationaux d'une autorité de navigabilité, autre que l'autorité de navigabilité inscrite à la case 1, il est essentiel que l'usager/monteur (euse) s'assure que son autorité de navigabilité accepte les pièces/composants/ensembles de l'autorité de navigabilité inscrite à la case 1. Les déclarations apparaissant aux cases 14 et 19 ne constituent pas une certification de montage. En tout temps le dossier de maintenance de l'aéronef doit contenir une certification de montage émise selon les règlements nationaux, par l'usager/monteur (euse), avant que l'aéronef puisse décoller.

208B0900
JL

PT6A-114A S/N:PCE-PC0885 FINAL ACCEPTANCE TEST RECORD

2001 MAY 12 TEST CELL : 3202 BUILD SPEC.: 750

ENGINE TESTED AND ACCEPTED IN ACCORDANCE WITH E&TI : 519

FINAL VANE FLOW AREAS FIRST STAGE : 29501 5S2 6.25
SECOND STAGE : 29501 6S6 15.96

PERFORMANCE DATA

TAKE-OFF

TRIM-EST

SPEC ACTUAL

SPEC ACTUAL

PROP SPEED	1900.	1900.	1900.	1900.
S.L.S. STD.DAY POWER	675.	675.	725.	725.
TRIMMED INTERTURBINE TEMP DEG R		1705.	1775.	1740.
T5D (DERIVED) DEG R		1764.		1801.
GAS GEN. SPEED RPM	36250	35750.		36250.
FUEL FLOW @ 18400 BTU/LB LB/HR	437.	430.		455.

COMPRESSOR DELIVERY @ 36000 RPM 6.81 6.67

FUEL TYPE : CPW 204

TEST LHV : 18540. BTU/LB

S.G. : 0.802 @ 73. DEG F

OIL TYPE : PWA 521

TYPE II

OIL CONSUMPTION : 0.0 LB/HR

T.O. OIL PRESSURE : 97.9 PSI

OIL TEMPERATURE : 155.5 DEG F

I.T.T. TRIM DELTA T (UNTRIMMED-TRIMMED) : 81.8 DEG F

I.T.T. TRIM DELTA T (UNTRIMMED-TRIMMED) : 45.4 DEG C

I.T.T. TRIM CLASS : 40

TRIM RESISTANCE : 13.7 OHMS

COLD HARNESS RESISTANCE : 0.69 OHMS

HANDLING AND CONTROL SETTINGS

TRIMMED MAX NG : N/A RPM

UNTRIMMED MAX NG : 38100 RPM

DATA PLATE SPEED : N/A RPM

IDLE SPEED : 19655 RPM

ACCEL. TIME F.I. TO MAX @ T1 : 2.80 SECS @ 69.3 DEGF

SG DOME FINAL SETTING : INDEX CLICK

ENGINE DRY WEIGHT : 351.6 LBS.

PRODUCTION SIGNATURE : INSPECTION SIGNATURE : 

GOVERNMENT INSPECTOR

THE UNDERSIGNED CERTIFIES THAT THIS RECORD ACCURATELY SETS
FORTH THE EVENTS DURING THE TEST MADE ON THE ENGINE THEREIN IDENTIFIED.

DATE 2001 MAY 13 FOREMAN, ASSY. & TEST INSP

 M. DUNCAN

**Pratt & Whitney Canada**

Une société de United Technologies / A United Technologies Company

Pratt & Whitney Canada Cie. /
Pratt & Whitney Canada Corp.
1000, Marie-Victorin
Longueuil, Québec, Canada
J4G 1A1
450-677-9411

Liste des composants moteur à numéros de série Engine Serialized Component Summary

P&WC JR3-6830-E (05-1998)

Page 1

Modèle Model	PT6A-114A	N° de série Serial No.	PCE-PC0885	Caract. de montage Build Spec NO.	BS750	
N° du matériel Material Number	Désignation du matériel Material Name	N° de série Serial No.	Code de trait. thermique Heat Code	N° de série du matériel forgé Forging Serial No.	N° de lot pour trait. thermique Heat Treat Batch No.	N° de matériel du fournisseur Vendor Material No.
3011095	SHAFT-POWER TURBINE	63A347	HSBYL			
3011713	DISC-COMPRESSOR	A000W3DH	KAVKW		38872	
3013111	HUB-COMPRESSOR,REAR	37W317	KAVLQ		38300	
3013411	DISC-TURBINE	A000RBRD	PZAYQ	024		
3013712	DISC-COMPRESSOR	A000W3EA	KAVKW		38872	
3017609	GEARSHAFT STARTER GENERATOR DRIVE	32E370				
3018175	COUPLING-COMPRESSOR REAR HUB	37W357				
3018834	COUPLING POWER TURBINE SHAFT	34W374				
3019906	FLOW DIVIDER AND DUMP GATE	20617				
3022339	RING-CONTAINMENT	7C443	SGCVR			
3024121	HOUSING-POWER TURBINE STATOR,ASSY O	GZ00016G				
3024852	VANE RING-TURBINE	17R435				
3026812	DISC-TURBINE	A000T5X3	PZAZC	083		
3027629	BUS BAR-T5 THERMOCOUPLE,ASYO	HR18169				
3027798	IMPELLER-CENTRIFUGAL	8H030	PZAZT	058		
3028004	BEARING OPTION	BB0018581				
		BB0018583				
3028007	BEARING-ROLLER FLANGED	BB0018698				
3028248	ADAPTER-SPLINED,FIRST STAGE CARRIER	35W335				
3028252	COUPLING-FLEXIBLE,2ND STAGE RED	35W536				
3028253	GEAR SUN 2ND STAGE REDUCTION	21E450				
3028262	CARRIER-2ND STAGE REDUCTION	37E406				
3029022	HOUSING ASSY-PROP.REDN.GBOX,FR.	9L886				
3029051CL0621	VANE RING-TURBINE	22R962				
3029082	GEAR-RING 2ND STAGE RED'N	35E663				
3032710	HEATER-OIL TO FUEL	WA16624				
3034792	PUMP-FUEL	0607				
3035889	EXCITER-IGNITION	NN01044642				

208B0900
File

208B0900
File

Cont'd

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 Longueuil, Québec, Canada
 J4G 1A1
 450-677-9411

Liste des composants moteur à numéros de série

Engine Serialized Component Summary

Page 2

P&WC JR3-6830-E (05-1998)

Modèle Model		N° de série Serial No.		Caract. de montage Build Spec NO.		BS750	
PT6A-114A		PCE-PC0885					
N° du matériel Material Number	Désignation du matériel Material Name	N° de série Serial No.	Code de trait. thermique Heat Code	N° de série du matériel forgé Forging Serial No.	N° de lot pour trait. thermique Heat Treat Batch No.	N° de matériel du fournisseur Vendor Material No.	
3035926	GOVERNOR-PROPELLER	13039149AE					
3036355	GEAR-PLANET,2STG RDCN 27 TEETH	41E111					
		41E122					
		41E125					
		41E162					
		41E163					
3037303	GEAR-RING FIRST STAGE REDUCTION	46E578					
3037304	GEAR-SUN,FIRST STAGE REDUCTION	27E227					
3037305	GEAR-PLANET,1ST STAGE REDUCTION	34E291					
		34E307					
		34E311					
3037306	CARRIER-FIRST STAGE REDUCTION	32E517					
3049038-03	VALVE-COMPRESSOR BLEED	2610					
3101635-01	BEARING-BALL FLANGED	FA0109206					
3101864-01	BEARING-BALL	FA0109124					
3102227-01	BEARING-BALL FLANGED	BB0018413					
3102336-01	SHAFT-STUB,COMPRESSOR,FRONT	63A725	EPBRU				
3112171-01	DUCT-TURB.EXHAUST SINGLE PORT ASYOF	8N781					
3112261-01	SHAFT-PROPELLER	A000PM4Y	KAVNS				
3112368-01	BEARING-ROLLER FLANGED,.94X1.65X.47	FA0110047					
		FA0110052					
		FA0110053					
		FA0110054					
		FA0110055					
		FA0110056					
		FA0110057					
		FA0110058					
		FA0110059					

Cont'd

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Page 3

Liste des composants moteur à numéros de série

Engine Serialized Component Summary

P&WC JR3-6830-E (05-1998)

Modèle Model	PT6A-114A	N° de série Serial No.	PCE-PC0885			Caract. de montage Build Spec NO.	BS750
N° du matériel Material Number	Désignation du matériel Material Name	N° de série Serial No.	Code de trait. thermique Heat Code	N° de série du matériel forgé Forging Serial No.	N° de lot pour trait. thermique Heat Treat Batch No.	N° de matériel du fournisseur Vendor Material No.	
3117924-01 3120995-02 3122633-01 3122678-04	WIRING HARN-T5,THERMOCOUPLE, CASE ASSY-GAS GENERATOR LINER-COMBUSTION CHAMBER,ASSY OF FUEL CONTROL-TURBOPROP	FA0110060 FA0110061 FA0110065 NR16525 A000WKLL 10N123 C65472					
Approuvé par Approved By	M. DUNCAN				Date	2001/05/11	

208B0900
file

PRATT & WHITNEY CANADA

ENGINE BUILD RECORD STATUS REPORT

THE FOLLOWING SERVICE BULLETINS ARE BASIC TO

ENGINE SERIAL NO PCE-PC0885

ENGINE MODEL PT6A-114A

BUILD SPEC 750

SERVICE BULLETINS

1381	1444	1446	1451	1452	1453	1456	1457	1459
1463	1466	1472	1473	1474	1477	1478	1479	1481
1487	1488	1489	1490*	1493	1495	1498	1500	1501
1503	1504	1505	1508	1510	1511	1512	1513	1516
1518	1519	1521	1522	1524	1525	1527	1528	1534
1535	1537	1538	1540	1544	1545	1553	1556	1560
1562	1564	1568	1570	1581	1583	1588	1591	

* DENOTES PARTIAL INCORPORATION OF SERVICE BULLETIN

SB # PARTS INTRODUCED AT ENGINE BUILD

1490 3039939 3116033-01 3116679-01

VERIFIED BY:

DATE: 2001 MAY 13

APPROVED BY:

DATE: 2001 MAY 13

(M. DUNCAN

FILE

MODEL 208B CARAVAN I

WEIGHT AND BALANCE DATA



SERIAL NUMBER 208B0900

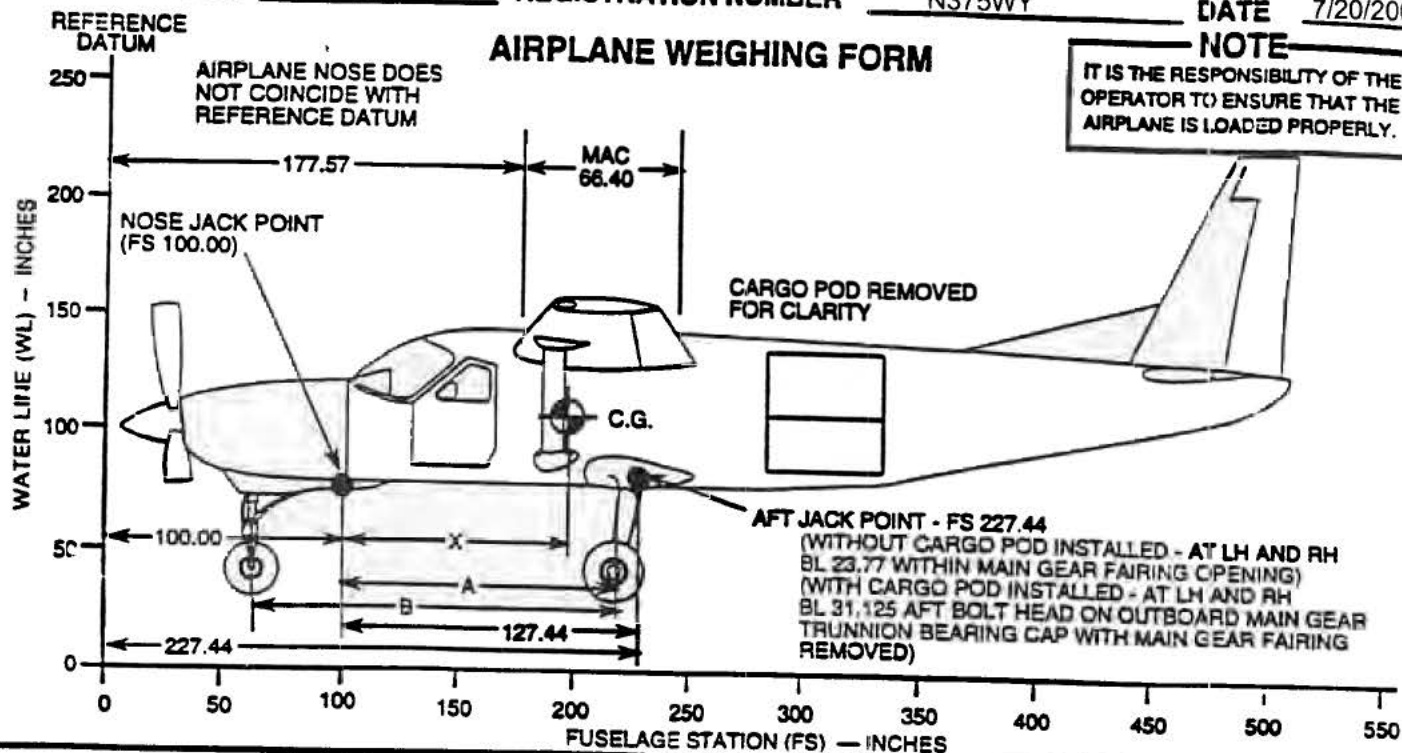
REGISTRATION NUMBER N375WY

DATE 7/20/2001

AIRPLANE WEIGHING FORM

NOTE

IT IS THE RESPONSIBILITY OF THE OPERATOR TO ENSURE THAT THE AIRPLANE IS LOADED PROPERLY.



LOCATING CG WITH AIRPLANE ON LANDING GEAR

FORMULA for Longitudinal CG

$$(X) = (A) - \frac{(\text{Nose Gear Net Weight})(858) \times (B)}{116.75 \text{ Nose and Main Landing Gear Weight Total}(4998)} = (89.67)$$

CG Arm of Airplane = $100 + (X) = (189.67)$ Inches

MEASURING A AND B

MEASURE A AND B PER PILOT'S OPERATING HANDBOOK INSTRUCTIONS TO ASSIST IN LOCATING CG WITH AIRPLANE WEIGHED ON LANDING GEAR

LOCATING CG WITH AIRPLANE ON JACK PADS

FORMULA for Longitudinal CG

$$\text{CG Arm of Airplane} = 227.44 - \frac{127.44 \times (\text{Nose Jack Point Net Weight})}{\text{Nose and Aft Jack Point Weight Total}} = ()$$

LEVELING PROVISIONS

LONGITUDINAL - LEFT SIDE OF FUSELAGE AT FS 239.00 & 272.00
LATERAL - SEAT RAILS AFT OF PILOT AND FRONT PASSENGER SEATS

LOCATING PERCENT MAC

FORMULA for Percent MAC

$$\text{CG Percent MAC} = \frac{(\text{CG Arm of Airplane}) - 177.57}{0.6640}$$

AIRPLANE AS WEIGHED TABLE

POSITION	SCALE READING	SCALE DRIFT	TARE	NET WEIGHT
LEFT SIDE	2032			2032
RIGHT SIDE	2108			2108
NOSE	858			858
AIRPLANE TOTAL AS WEIGHED				4998

BASIC EMPTY WEIGHT AND CENTER-OF-GRAVITY TABLE

ITEM	WEIGHT (POUNDS)	CG ARM (INCHES)	MOMENT/1000 (INCH-POUNDS)
AIRPLANE (CALCULATED OR AS WEIGHED) (INCLUDES ALL UNDRAINABLE FLUIDS AND FULL OIL)	4998	189.67	947.97
DRAINABLE UNUSABLE FUEL AT 6.75 POUNDS PER GALLON SA 208B0900 Through 208B0909 Not Modified With SK208-52 SA 208B0900 Through 208B0909 Modified With SK208-52 And S/N 208B0900 And On	20.1 24.1	205.7 206.4	4.97
+ Fly Away Kit	16.9	234.0	3.95
BASIC EMPTY WEIGHT	5039.00	189.90	956.89

CESSNA AIRCRAFT COMPANY, AIRCRAFT DIVISION, P.O. BOX 7704, WICHITA, KANSAS 67277



AIRCRAFT WEIGHT SHEET

Model
Number 208B
Latest AO
Change # 8

Serial
Number 900
Scale
Number 5312934

Date 07/03/01
Registration
Number N375WY
Next Cert.
Date of Scale 7/18/01

Aircraft Configuration			
Fuel RH	<u>X</u>	lbs/gal	Paint ☐
Fuel LH	<u>X</u>	lbs/gal	Interior ☐
Aft Tank	<u>N/A</u>	lbs/gal	Battery ☐
Dripped	<u>= X</u>		

Check Type of Weigh	
Final Weigh	☒
CG Weigh	☐
Fuel Verification	☐
Reweigh	☐

On Jack Points	Scale Position	Scale Reading	Scale Correction	Scale Weight
	L/H	<u>2032</u>	<u>—</u>	<u>2032</u>
	R/H	<u>2108</u>	<u>—</u>	<u>2108</u>
	Nose	<u>858</u>	<u>—</u>	<u>858</u>
<u>CG. = 189.669</u>			Total	

On Landing Gear	NG to MLG	<u>157.75</u>	inches
	MLG to Ctr of Fwd Jack Point	<u>116.75</u>	inches

Overages/Shortages Description	Part/Drawing Number

ACCEPTANCE: 

INSP:

Form X-158
Revision 5/24/00

DATE FAXED TO WEIGHTS: _____

CESSNA GRAND CARAVAN 208B
EQUIPMENT LIST
09 JULY 01

AIRCRAF SERIAL NO. 208B0900

FAA REGISTRATION NO. N375WY

CHG 08

THE FOLLOWING IS A LIST OF EQUIPMENT INSTALLED IN THE AIRPLANE WHEN DELIVERED BY THE MANUFACTURER.
DATUM STATION 0.0 IS 100.0 INCHES FORWARD OF THE FWD FACE OF THE FUSELAGE FIREWALL.
POSITIVE ARMS ARE DISTANCES AFT OF DATUM STATION 0.0.
AN ASTERISK (*) INDICATES EXCHANGE WEIGHT.
THE TOTAL OPTIONAL EQUIPMENT WEIGHT AND MOMENT IS THE WEIGHT OF THE OPTION PACKAGE ONLY AND NOT THE SUM OF ALL ITEMS LISTED.

ACTORY KIT	ITEM	PART NUMBER	QTY	WEIGHT (LB)	ARM (IN)
91U	WHEEL & TIRE MLG C163019-214	2641027 15	2	101.8	225.8
	BRAKE ASSY MLG 030-18200	2641000	2	13.2	225.8
91U	WHEEL & TIRE NLG C163019-104	2643000 6	1	24.3	60.8
91U	EXTENDED NOSE FORK	2643094 1	1*	4.5	61.5
	ENGINE P&W PT6A-114A 9910589-1	2650000 3		361.0	59.8
	AIR INDUCT INLET 2658056-2	2650000 3		27.7	71.4
	EXHAUST INSTL-PRIMARY	2654014 15		5.7	50.2
	COWL INSTL.	2652000 1		94.2	70.9
	BULKHEAD ASSY.	2652005 1		2.6	48.7
	BULKHEAD ASSY.	2652005 2		2.4	48.7
	CENTER SECT. ASSY	2652013 1		3.6	74.1
	DOOR ASSY LEFT	2652016 71		26.4	74.7
	DOOR ASSY RIGHT	2652016 72		22.3	74.7

FACTORY KIT	ITEM	PART NUMBER	QTY	WEIGHT (LB)	ARM (IN)
	COWL ASSY.	2652021 38	1	2.6	72.0
	COWL ASSY.	2652022 87	1	24.4	66.7
06N1	COWL ASSY EXCH WEIGHT (13.41)	2652000 2	1	.0	.0
06N1	EXHAUST COWL ASSY 2ND	2652022 83	1	37.8	67.1
	OIL COOLER INSTL 9910085-2	2650098 1	1	26.3	65.8
	OIL PRESS/TEMP IND 2606015-1	2606002 5	1	.4	116.0
	STARTER 200SGL119Q1XL	2650000 3	1	22.2	89.0
	IGNITION EXCITER INSTL	2658009 1	1	2.6	85.5
	PROP GOVERNOR D210507	2650000 3	1	2.6	37.5
22Z0	PROP & SPIN OPT DEICE MCCAULEY	2650104 2	1	127.4	27.9
22Z0	DEICE PROP & WIRING INSTL	2601048 2	1	1.6	76.4
001ZA	ALTIMETER 066-03064-0005	2601008 16	1	2.3	116.0
	COMPASS C660501-102	2606002 5	1	1.3	113.0
	FUEL QTY IND-LH C662041-102	2606002 5	1	.7	117.5
	FUEL QTY IND-RH C662041-102	2606002 5	1	.7	117.5
	FUEL FLOW IND 9910338-8	2606002 5	1	.8	116.0
50Q	TURN COORD IND C661003-506	2601026 1	1	1.1	113.9
	VERT SPEED IND C661035-101	2606002 5		.8	117.0
	TRUE AIRSPEED IND C661065-237	2606002 5		.6	116.0
	VOLT AMMETER GAGE C662504-101	2606002 5		.4	116.0
	TORQUE IND 2606011-3	2606002 5		.3	116.0
	TURBINE TEMP IND 2606012-1	2606002 5		.6	116.0
	TURBINE SPEED IND 2606013-1	2606002 5		.9	116.0
	PROP TACH 2606014-1	2606002 5		.8	116.0
	BATTERY 24 VOLT RG380E/40B	2670084 3		80.3	93.2

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FACTORY KIT	ITEM	PART NUMBER	QTY	WEIGHT (LB)	ARM (IN)
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CONTROLS AND AUTOPILOT

619B	KFC225 AP/FD INSTL W/YAW DAMPER	3910312	2	.0	.0
619B	ROLL SERVO INSTL	2670090	2	4.8	147.2
619B	PICH SERVO INSTL	2670091	2	4.4	360.0
619B	TRIM SERVO INSTL	2670094	2	4.7	118.6
619B	DATA LOADER INSTL	2698123	1	.0	114.0
619B	PNL EQUIP INSTL W/YAW DAMPER	3930338	5	4.1	115.3
619B	REMOTE GYRO INSTL KG102A	3940343	1	4.5	114.0
619B	ROMOTE EQUIP INST KFC225	3940345	2	2.0	123.8
619B	FLUX DETECTOR INSTL	3940346	1	.6	223.1
619B	WARNING HORN INSTL	3970170		.5	157.0
619B	SERVO INSTL-YAW DAMPER	2612120		4.9	297.2
001ZB	FCI 060-0017-00	2606019		3.3	114.8
001ZC	HORIZON SIT IND 066-3046-07	2606019		3.3	115.1

INSTRUMENTS

	CLOCK-ELECTRIC	C664508-201		.2	116.7
	OUTSIDE AIR TEMP	C668507-105	2606002	.2	140.0
09S1	ALTIMETER	5934PAD3A132		.8	115.0
09S0	RH PANEL EQUIPMENT INSTL		2601081	2.0	116.8
09S0	IND-TURN & BANK	C661030-301		1.1	116.0
09S0	IND-VERT SPEED	C661035-101		.8	115.0

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FACTORY KIT	ITEM	PART NUMBER	QTY	WEIGHT (LB)	ARM (IN)
09S0	ATTITUDE GYRO 504-0111-906		1	2.5	115.0
09S0	DIRECTIONAL GYRO C661053-101		1	2.4	114.0
09S0	IND-AIRSPD C661064-237		1	.6	117.0
09S0	PITOT STATIC SYS-RH	2613293	1	5.3	167.6
02K	KRA-10A RADAR ALTIMETER INSTL	3910263	1	.0	.0
02K	RECEIVER INSTL		1	1.1	377.0
02K	INDICATOR INSTL		1	.2	117.6
02K	RECEIVER 066-1061-03		1	2.0	375.2
02K	RAD ALT IND 066-3054-01		1	.9	117.6
02K	RAD ALT ANT 071-1114-01		1	1.5	377.8
10M	CHIP DETECTOR INSTL	2653029	1	.5	80.0
67	RECORDER INSTL-FLT C664503-101	2601292	1	.3	135.1
ELECTRICAL					
04D0	STANDBY ELEC SYS INSTL	2601272	1	29.8	90.6
57L	LIGHT INSTL-RH	2670041	1	.3	165.0
57L	LIGHT INSTL-LH	2670041	1	.3	165.0
56A	FLASHING BEACON INSTL	2601007	1	2.5	399.5
	LANDING LIGHT INSTL #4553	2620000	2	.8	187.2
	TAXI LIGHT INSTL #4626	2620000	2	.4	187.2
	NAV/STROBE LT C622010-101/102	2620010	2	3.2	197.0
	ICE DETECTION LIGHT INSTL	2601303		.3	149.0
	GROUND SERVICE PLUG	2670084		1.0	95.8
900CA	CABLE ASSY - 208B900			59.9	185.1

FACTORY KIT	ITEM	PART NUMBER	QTY	WEIGHT (LB)	ARM (IN)
AVIONICS					
004LP	PNL ASSY LH	2673118 1	1	.8	118.0
001CP	PNL RADIO STACK	2674152 1	1	.8	118.0
001RP	PNL ASSY RH	2675011 1	1	1.0	118.0
001JB	AVIONICS JCT BOX	2670101 9	1	1.1	109.0
001XX	PLACARD OPER LIMIT	0505087 15	1	.0	.0
006XX	EGPWS SYS INSTL	2601487 6	1	2.0	328.7
007XX	ANT INSTL GNS 430 LH	2601490 1	1	.2	160.4
010XX	ANT INSTL GNS 530 RH	2601490 5	1	.2	151.2
011XX	ALT INTERFACE INSTL	2601491 1	1	.9	138.4
012XX	BRACKET ASSY	2601491 2	1	.1	138.4
014XX	PLACARD	2613339 47	1	.0	.0
015XX	PLACARD	2613339 48	1	.0	.0
016XX	PLACARD	2613339 49	1	.0	.0
017XX	FAN INSTL RADIO	2614069 1	1	1.4	96.5
024XX	AVIONICS SHELF INSTL	2614070 1	1	3.4	369.5
025XX	PA SPEAKER INSTL	2615168 2	1	4.1	228.1
026XX	RADAR INSTL RDR-2000	2670036 30	1*	15.7	172.7
033XX	GPS ANT INSTL 071-01553-0200	2670125 2	1	.5	359.1
034XX	GRND BLOCK INSTL	2670134 1	1	.1	365.0
036XX	SKYWATCH INSTL	2698027 2	1	10.7	333.2
037XX	SKYWATCH ANT INSTL RH	2698037 4	1	2.7	161.7
041XX	STORMSCOPE ANT INSTL	2698044 7	1	1.4	310.0
043XX	STORMSCOPE 500 PROC INSTL	2698132 1	1	3.3	356.9
046XX	RCVR INSTL ADF	3930257 2		6.2	114.0
050XX	INDICATOR INSTL DME	3930258 1		1.7	116.2

FACTORY KIT	ITEM	PART NUMBER	QTY	WEIGHT(LB)	ARM(IN)
063XX	PNL EQUIP INSTL GNS-530	3930351 1	1	8.2	114.3
064XX	PNL EQUIP INSTL GNS-430	3930352 1	1	7.7	114.3
065XX	PNL EQUIP INSTL GMA-340	3930353 1	1	1.7	114.7
066XX	XCVR INSTL GTX-327	3930354 1	1	2.9	114.4
070XX	INDC INSTL KMD 850	3930356 1	1	2.9	114.4
071XX	KAC 501 MODULE	3930356 2	1	.1	128.0
072XX	KAC 502 MODULE	3930356 3	1	.0	128.0
078XX	KAC 504 MODULE	3930356 4	1	.0	128.0
073XX	GROUND BLOCK	3940318 1	1	.3	100.0
074XX	AVN BUS BAR INSTL	3940327 1	1	.3	133.0
077XX	XCVR INSTL KN63	3940344 1	1	3.0	114.4
082XX	AVN JUNCT BOX INSTL	3940349 1	1*	.0	106.7
085XX	AVNCS J-BOX INSTL W/GARMIN	3940356 2	1	.8	123.5
088XX	DME ANT INSTL 071-1174-00	3960134 8	1	.2	156.0
089XX	XPDR ANT INSTL 071-1174-00	3960136 5	1	.2	125.0
086XX	NAV ANT INSTL	3960141 4	1	4.1	483.0
087XX	ADF ANT INSTL	3960158 2	1	3.3	286.9
092XX	LH ANT INSTL VHF COM	3960165 5	1	1.2	192.3
093XX	RH ANT INSTL VHF COM	3960165 6	1	1.2	192.3
094XX	ANT INSTL MKR BCN	3960166 1	1	.5	420.4
096XX	COUPLER INSTL GLIDESLOPE	3960171 1	1	.7	111.3
097XX	COUPLER INSTL GLIDESLOPE	3960171 2	1	.7	111.3
100XX	INTERPHN JACK INSTL	3970150 10	1	.1	118.0
101XX	SPEAKER INSTL C596504-102	3970164 1	1	3.5	150.8
102XX	JACK INSTL	3970165 2	1	.1	118.0
103XX	MIKE & JACK INSTL	3970166 1	1	.4	123.3
105XX	TERMINAL BLOCK INSTL	3970172 1		.0	115.0
107XX	HEADSET ASSY 300048-200			2.2	140.0

FACTORY KIT	ITEM	PART NUMBER	QTY	WEIGHT (LB)	ARM (IN)
660	ADF INSTL KI 227-01	3930270 1	1	.0	114.0
660	INDICATOR 066-03063-0001		1	.7	114.0
660	MOORING PLATE 073-00044-0001		1	.1	114.0
FURNISHINGS					
	SEAT-PILOT W/ARMREST	2619018 1	1	48.3	142.0
	SEAT-COPILOT W/ARMREST	2619018 1	1	48.3	142.0
113B	10PL SEATING INSTL-COMMUTER	2614066	1	3.4	229.9
113B	SEAT ASSY 2ND ROW-LH	2619019 1	1	28.0	175.3
113B	SEAT ASSY 3RD ROW-LH	2619019 1	1	28.0	211.3
113B	SEAT ASSY 4TH ROW-LH	2619019 1	1	28.0	247.3
113B	SEAT ASSY 5TH ROW-LH	2619019 1	1	28.0	283.3
113B	SEAT ASSY 2ND ROW-RH	2619019 2	1	28.0	175.3
113B	SEAT ASSY 3RD ROW-RH	2619019 2	1	28.0	211.3
113B	SEAT ASSY 4TH ROW-RH	2619019 2	1	28.0	247.3
113B	SEAT ASSY 5TH ROW-RH	2619019 2	1	28.0	283.3
113BL	LEATHER SEATING OPTION-113B	2614066	1	6.0	212.3
838G	FLOOR COVERING ((CARPET)-BEIGE	2615170 2	1	60.0	227.4
	CREW STEP INSTL -LH	2606033 40	1	8.6	147.0
86R	CREW STEP INSTL -RH	2606033 40	1	8.6	147.0
06N0	CARGO POD PROVISIONS INSTLL	2601230 4		.0	.0
06N0	HARDWARE COMPONENTS			1.2	235.3
06P	CARGO TIEDOWN INSTL-PASS	2601410		14.9	251.6
60A	OXYGEN SYSTEM INSTL-14 OUTLET	2601459		8.3	227.4
60A	CYLINDER & REG C166001-1102			30.5	362.8
	BLEED AIR HEATING INSTL	2613344		31.5	80.8
30G	ABRASION BOOT INSTL-RADAR POD	2601429		.2	157.0

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FACTORY KIT	ITEM	PART NUMBER	QTY	WEIGHT (LB)	ARM (IN)
59H	DRAIN INSTL	2601179 1	1	.8	88.0
69R	RELIEF TUBE INSTL	2601165 1	1	1.1	338.4
70N	CABIN SIGN INSTL	2615127 1	1	.9	142.0
EMERGENCY EQUIPMENT					
14	FIRE EXTINGUISHER INSTL	2601027 1	1	.9	135.6
14	FIRE EXTINGUISHER A352GS		1	5.3	135.1
	ELT INSTL & BRKT	2612134 1	1	2.3	360.8
AIR CONDITIONING ANTI-ICING					
02A	AIR CONDITION INSTL	2601468 2	1	123.0	160.4
26H0	DEICE SYS INSTL	2601067 36	1	50.9	239.1
46D0	WINDSHIELD DEICE INSTL	2601057 1	1	2.3	108.6
	VENT SYSTEM INSTL	2615123 2	1	31.1	194.0
LOOSE EQUIPMENT					
	PILOTS HANDBOOK D1329	0400142 29	1	2.0	142.8
	PILOTS CHECKLIST D6177	0400142 29	1	.5	114.0
	INLET PLUG ASSY	2684003 1	1	1.3	344.0
	INLET PLUG ASSY	2684003 2	1	.8	344.0
	PROP ANCHOR ASSY	2684005 1	1	.2	140.0
	CONTROL LOCK ASSY	2613403 1	1	.2	140.0
	FUEL SAMPLER ASSY	5226012 1	1	1.2	120.0
	TOW BAR ASSY	2606020 1	1	2.6	344.0
	STRAP ASSY	2515134 1	4	1.0	344.0

FACTORY KIT	ITEM	PART NUMBER	QTY	WEIGHT (LB)	ARM (IN)
	STRAP ASSY	2515134 3	4	1.0	344.0
46D0	WINDSHIELD PANEL ASSY (4.95 LB)	2601445 1	1	.0	.0
46D0	STORAGE CASE ASSY (1.46 LB)	2601110 1	1	.0	.0
60A	OXYGEN MASK C166015-101		13	3.5	213.1
60A	OXYGEN MASK C166015-102		1	.4	148.5
AIRCRAFT SERIAL NO. 208B0900		FAA REGISTRATION NO. N375WY		PAGE	10

TOTAL OPTIONAL EQUIPMENT WEIGHT 772.01 LB MOMENT 156148.67 IN-LB

INSTALLATION APPROVAL OF EQUIPMENT INCLUDED IN THIS LIST IS MAINTAINED EITHER BY THE MANUFACTURER'S STC WITH THE APPROVAL NUMBER NOTED WITH EQUIPMENT OR IN THE MANUFACTURER'S TYPE DESIGN FILE IN ACCORDANCE WITH DELEGATION OPTION AUTHORIZATION CE-1.

-NOTE-

LOOSE EQUIPMENT ITEMS ARE TO BE CONSIDERED AS PART OF THE BASIC EMPTY WEIGHT AND SHOULD NOT BE TREATED AS CARRY ON BAGGAGE EXCEPT AS NOTED. ITEMS LOCATED IN THE LOOSE EQUIPMENT SECTION WITH A @ IN FRONT OF THE ITEM COLUMN ARE TO BE TREATED AS CARRY ON BAGGAGE. WEIGHTS ARE PROVIDED ONLY FOR CONVENIENCE.

FLY-AWAY KIT ITEMS

FACTORY KIT	ITEM	PART NUMBER	QTY	WEIGHT (LB)	ARM (IN)
107XX	HEADSET ASSY 300048-200		2	2.2	140.0
	PILOTS HANDBOOK D1329	0400142 29	1	2.0	142.8
	PILOTS CHECKLIST D6177	0400142 29	1	.5	114.0
	INLET PLUG ASSY	2684003 1	1	1.3	344.0
	INLET PLUG ASSY	2684003 2	1	.8	344.0
	PROP ANCHOR ASSY	2684005 1	1	.2	140.0
	CONTROL LOCK ASSY	2613403 1	1	.2	140.0
	FUEL SAMPLER ASSY	5226012 1	1	1.2	120.0
	TOW BAR ASSY	2606020 1	1	2.6	344.0
	STRAP ASSY	2515134 1	4	1.0	344.0
	STRAP ASSY	2515134 3	4	1.0	344.0
46D0	WINDSHIELD PANEL ASSY (4.95 LB)	2601445 1	1	.0	.0
46D0	STORAGE CASE ASSY (1.46 LB)	2601110 1	1	.0	.0
60A	OXYGEN MASK C166015-101		13	3.5	213.1
60A	OXYGEN MASK C166015-102		1	.4	148.5
FLY-AWAY KIT TOTALS				WEIGHT (LB) 16.9	ARM (IN) 234.0
					MOMENT (IN-LB) 3956.7