

N612AZ CHART A&C - WEIGHT AND BALANCE RECORD

ITEM #	DESCRIPTION OF ARTICLE	Carson Weight	ARM	Canada Wieght		4/22/2003	8/11/2007	1/4/2007
A-1	AUTOTRANSFORMERS	9.0	42	10.0	1.0	X	X	X
A-2	BATTERY LEAD ACID	80.0	45	82.0	2.0	X	X	X
A-3	CONTROLLER	9.0	51	8.0	-1.0	X	X	X
A-4	WINDSHIELD WIPERS	11.0	52	11.0	0.0	X	X	X
A-5	AIRSPEED IND	2.0	61	2.0	0.0	X	X	X
A-6	ALTIMETER	3.0	61	3.0	0.0	X	X	X
A-7	GAS GEN TACH	3.0	61	3.0	0.0	X	X	X
A-8	VERT GYRO-COMPASS IND.	9.0	62	6.0	-3.0	X	X	X
A-9	MISC INSTRUMENTS	12.0	62	12.0	0.0	X	X	X
A-10	TORQUE METER	3.0	63	3.0	0.0	X	X	X
A-11	TRIPLE TACHOMETER	6.0	64	6.0	0.0	X	X	X
A-12	INSTANTANEOUS VERTICAL SPEED	3.0	64	3.0	0.0	X	X	X
A-13	TURN AND SLIP IND	3.0	64	7.0	4.0	X	X	X
A-14	CLOCK	1.0	64	2.0	1.0	X	X	X
A-15	CUSHIONS, SEAT, PILOT & CO-PILOT	6.0	92	6.0	0.0	X	X	X
A-16	SAFETY BELT	4.0	97	4.0	0.0	X	X	X
A-17	SEATS, PILOT & CO-PILOT	44.0	99	44.0	0.0	X	X	X
A-18	CUSHIONS, BACK, PILOT & CO-PILOT	4.0	103	4.0	0.0	X	X	X
A-19	SHOULDER HARNESS	2.0	103	2.0	0.0	X	X	X
A-20	JUMP SEAT AND SAFETY BELT			0.0	0.0	O	O	O
A-21	FIRST AID KIT			2.0	2.0	X	O	O
A-22	PORTABLE FIRE EXTINGUISHER	7.0	108	7.0	0.0	X	X	X
A-23	WINDSHIELD WASHER BAG	4.0	108		-4.0	?	X	X
A-24	AIRSPEED IND	2.0	61		-2.0	?	X	X
A-25	FREE AIR TEMP IND.	0.2	71		-0.2	?	X	X
A-26	COURSE IND.	3.0	63		-3.0	?	X	X
A-27	CONTROL UNIT	2.0	78		-2.0	?	X	X
A-28	COCKPIT CARPETING				0.0	?	O	O
A-29	AFF TRACKER				0.0	?	O	X
A-24	SEA ANCHOR AND DROGUE CHUTE (CPT)		7.5	10.5	10.5	X	?	?
A-26	CONTROL PANEL-CHANEL MONITOR		78	2.0	2.0	X	?	?
A-27	CONTROL PANEL-CHANEL MONITOR		74	3.0	3.0	X	?	?
A-28	CONTROL PANEL (S6160-71038)		84	1.0	1.0	X	?	?

A-30	POWER TURBINE INLET TEMP. IND. BH 185 R-				0.0	O	?	?
A-32	CARGO SLING PANEL		90	1.0	1.0	X	?	?
A-33	FUEL JETTISON CON. PANEL		84	1.2	1.2	X	?	?
A-34	INDICATOR IN-1402B 4000833-0207		85	7.8	7.8	X	?	?
A-37	H.S.I. 111302-5 (2)		62	6.5	6.5	X	?	?
A-39	ADF CONT. 622-4526-016		78	1.8	1.8	X	?	?
A-40	VHF CONT. 622-4523-016		75	1.2	1.2	X	?	?
A-41	VHF CONT. 622-4524-016		75	1.2	1.2	X	?	?
A-42	NAV CONT. 622-4524--63		75	1.2	1.2	X	?	?
A-43	NAV CONT. 622-4524-063		75	1.2	1.2	X	?	?
A-44	XPND CONT. 622-4527-016		80	1.2	1.2	X	?	?
A-45	HF CONT. 622-4545-003		87	1.0	1.0	X	?	?
A-46	ICS CONT. A301-61A		91	3.0	3.0	X	?	?
A-47	ICS CONT. A301-61A		94	1.2	1.2	X	?	?
A-48	FM CONTROL 921012 (1)		90	2.5	2.5	X	?	?
A-50	COCKPIT FANS CHS61-25-016 (2)		48.2	9.9	9.9	X	?	?
A-51	MAP LIGHTS CHS61-25-014		73	1.0	1.0	X	?	?
A-52	CHECK LIST HOLDER CHS61-25-014		55	1.0	1.0	X	?	?
A-53	C/B LIGHTS OHS61-33--001		95	0.5	0.5	X	?	?
A-54	STBY ATTITUDE IND.		64	3.0	3.0	X	?	?
A-55	FLASH LIGHTS CH61-25-020		98	2.0	2.0	X	?	?
A-56	RAD/ALT IND (2)) 622-1204-001 / 622-1204-003		75	N/A		X	?	?
A-57	DME IND 622-2176-001		64	1.6	1.6	X	?	?
A-58	V.S.I. SLZ9066 (2)		64	3.0	3.0	X	?	?
A-59	CVR CONTROLLER 93A152-70		74	N/A		X	?	?
A-60	HOMING UNIT 406-2-053		64	2.0	2.0	X	?	?
A-61	POWER SUPPLY 212-075-962-001		64	N/A		X	?	?
A-62	CTR. FUEL XPER PANEL		60	1.0	1.0	X	?	?
A-63	ENG. OIL TEMP/PRESS. PNL P/N 6145-61102-2		60	1.0	1.0	X	?	?
A-64	LANDING GEAR IND. S6145-61159-101		61	0.5	0.5	X	?	?
A-65	LANDING GEAR IND. S6145-61159-101		61	0.5	0.5	X	?	?
A-66	LANDING GEAR CONT. A4503M8-1		90	2.0	2.0	X	?	?
A-67	CAUTION PANEL 80-0331-1		60	0.5	0.5	X	?	?
A-69	CAUTION PANEL 80-0092-101		64	0.8	0.8	X	?	?
A-71	HOMING UNIT 406-2-053		85	2.0	2.0	X	?	?
A-72	CIRCUIT BREAQKER SUB PANEL CHS61-24-010		78	0.7	0.7	X	?	?
A-73	BATTERY TRAY CHS61-53-015		45	4.0	4.0	X	?	?
A-74	NAV ALERT NA 5000X2		63	0.5	0.5	X	?	?

A-76	ADF CONTROL (2ND UNIT) P/N 622-4526-016		78	1.2	1.2	X	?	?
A-77	STOWAGE BOXES (CHS 61-25-017)		103	2.0	2.0	X	?	?
A-78	GARMIN GPS 400		68	3.0	3.0	X	?	?
A-79	FLIGHT MANUAL		104	9.3	9.3	X	?	?
N/A	CHS 61-2S-14/EO-001		71	1.0	1.0	X	?	?
B-1	LANDING LIGHT GRIMES	15.0	66	15.0	0.0	X	X	X
B-2	VOLTAGE REGULATOR	3.0	73	3.0	0.0	X	X	X
B-3	RELAY (HARTMAN)	3.0	76	4.0	1.0	X	X	X
B-4	AMPLIFIER (BENDIX)	6.0	82		-6.0	O	X	X
B-5	GYROSYN COMPASS	7.0	83	4.7	-2.3	X	X	X
B-6	AMPLIFIER (084535)	7.0	83		-7.0	?	X	X
B-7	CONVERTER	21.0	84	21.0	0.0	X	X	X
B-8	INVERTER	14.0	86	14.0	0.0	X	X	X
B-9	CONTROL GYRO	14.0	86	14.0	0.0	X	X	X
B-10	SUPERVISORY PANEL	14.0	88	14.0	0.0	X	X	X
B-11	AMPLIFIER GYRO	5.0	89	10.0	5.0	X	X	X
B-12	RADIO, JURY RIG INSTAL.	38.0	90		-38.0	?	X	X
B-13	CONTROL UNIT, HEATER	3.0	96	3.0	0.0	X	X	X
B-14	CONTROL UNIT ANTI-ICE	11.0	104	5.5	-5.5	X	X	X
B-15	LANDING LIGHT GRIMES	16.0	66		-16.0	?	X	X
B-16	CRUISE LIGHT (STOWED POSITION)			0.0	0.0	O	O	O
B-17	AUXILIARY BATTERY LEAD ACID	80.0	120		-80.0	?	X	X
B-18	PULSLITE SYSTEM		75		0.0	?	O	X
B-3	OVERVOLT RELAY (E-1597)-2		74.75	3.0	3.0	X	?	?
B-10	AMPLIFIER-AFCS-LAG(6192-61090) (1)		81	2.0	2.0	X	?	?
B-12	AMPLIFIER - AFCS (6190-60056-1)		99	18.0	18.0	X	?	?
B-13	MOUNTING AMPLIFIER (AFCS)		99	3.0	3.0	X	?	?
B-18	POWER SUPPLY JET. 501-1228-02		87.75	11.0	11.0	X	?	?
B-19	VHF#1&2		72.6	6.0	6.0	X	?	?
N/A	VOR#1&2		72.6	6.0	6.0	X	?	?
B-20	TRANSPONDER 662-1270-001		72.5	3.9	3.9	X	?	?
B-21	TURN AND SLIP GYRO A2850-5		85.1	1.5	1.5	X	?	?
N/A	TURN AND SLIP GYRO		89.75	1.5	1.5	X	?	?
B-22	RADAR 1400 RT1401B		87.25	14.5	14.5	X	?	?
B-24	HF TCR 220 622-5337-001		71.4	6.8	6.8	X	?	?
B-25	PWR AMP 622-2883-001		71.4	7.6	7.6	X	?	?
B-27	ADF 60A 622-2362-001		71.3	4.2	4.2	X	?	?
B-28	ALT 50A XCVR 622-3201-001		71.3	5.6	5.6	X	?	?

B-29	NAV. RCVR 622-0876-011 (2)		85	11.6	11.6	X	?	?
B-30	NAV. SWITCH ACRO 61-34-32-003-301		71	7.0	7.0	X	?	?
B-31	ICS BOX ACRO 61-23-40-001-301		71	3.5	3.5	X	?	?
B-32	RMI CON (2) 622-1032-001		68.75	3.0	3.0	X	?	?
B-33	P.A. AMP M1050-BDAA-01		82.5	5.5	5.5	X	?	?
B-34	DFDAU & TRAY (HUMS) 2337000-2A		93	29.8	29.8	X	?	?
B-35	ALT XDUCR D601927SS1		87	1.5	1.5	X	?	?
B-36	AIRSPD XDUCR D11925 (MK1)		96	1.5	1.5	X	?	?
B-37	INVERTER (HUMS) SPC-10F		92	5.3	5.3	X	?	?
B-39	BLIND ENCODER AK350		71	0.5	0.5	X	?	?
B-40	TRANSFORMER 9JY21AA1 (2)		77	2.0	2.0	X	?	?
B-41	SUPERVISORY PANEL 21B17-10B		30	7.0	7.0	X	?	?
B-42	SUPERVISORY PANEL 21B17-10B		28.6	7.0	7.0	X	?	?
B-45	AC LINE CONTRACTOR B138BH		60	1.0	1.0	X	?	?
B-46	AC LINE CONTRACTOR B138BH		62	1.0	1.0	X	?	?
B-47	AC LINE CONTRACTOR B138BH		65	1.0	1.0	X	?	?
B-48	AC LINE CONTRACTOR B138BH		67	1.0	1.0	X	?	?
B-49	FIELD & OVERVOLT RELAY A-927C		60	2.2	2.2	X	?	?
B-50	AVAD PROVISIONS CHS 61-31-005		88	1.5	1.5	X	?	?
B-51	AVAD VOICE ADVISOR VA-100		99	3.5	3.5	X	?	?
B-52	OSAT TRAY & WIRING (TIL# ORE283)		99	2.7	2.7	X	?	?
B-53	OSAT - 100 P/N 001109-1		99	4.2	4.2	X	?	?
C-1	SLIDING DOOR, COCKPIT TO CABIN		110		0.0	O	O	O
C-2	HEATING SYSTEM (COMBINED)	63.0	1182.50	63.0	0.0	X	X	X
C-3	PASSENGER SEAT AND BELTS 2 PLACE		124	26.0	26.0	X	O	O
C-4	BAGGAGE ENCLOSURE		201	38.0	38.0	X	O	O
C-5	#3 - 193 TRAYS				0.0	?	O	O
C-6	GALLEY				0.0	?	O	O
C-7	BEVERAGE JUG				0.0	?	O	O
C-8	PASSENGER SEAT AND BELTS 1 PLACE	20.0	171	19.0	-1.0	X	X	O
C-9	PAPER CUPS AND DISPENSER				0.0	?	O	O
C-10	BEVERAGE JUGS				0.0	?	O	O
C-11	UNUSABLE FUEL-FWD TANK	2.0	204		-2.0	O	X	X
C-12	PASSENGER SEAT AND BELTS 2 PLACE	35.0	205		-35.0	O	X	O
C-13	PASSENGER SEAT AND BELTS 1 PLACE	20.0	205	19.0	-1.0	X	X	O
C-14	PASSENGER SEAT AND BELTS 2 PLACE		273		0.0	O	O	O
C-15	PASSENGER SEAT AND BELTS 1 PLACE	20.0	239	19.0	-1.0	X	X	O
C-16	PASSENGER SEAT AND BELTS 2 PLACE		273		0.0	O	O	O

C-17	PASSENGER SEAT AND BELTS 1 PLACE	20.0	273	19.0	-1.0	X	X	O
C-18	UNUSABLE FUEL-AFT TANK	3.0	306		-3.0	O	X	X
C-19	PASSENGER SEAT AND BELTS 2 PLACE		307		0.0	O	O	O
C-20	PASSENGER SEAT AND BELTS 1 PLACE	20.0	307	19.0	-1.0	X	X	O
C-21	VIBRATION ABSORBER				0.0	?	O	O
C-22	HAND FIRE EXTINGUISHER	7.0	319	7.0	0.0	X	X	X
C-23	FIRST AID KIT	2.0	320	2.0	0.0	X	X	X
C-24	ATTENDANTS SEAT				0.0	?	O	O
C-25	PASSENGER SEAT AND BELTS 1 PLACE		341	19.0	19.0	X	O	O
C-26	PASSENGER SEAT AND BELTS 2 PLACE	35.0	371	36.0	1.0	X	X	O
C-27	PASSENGER SEAT AND BELTS 1 PLACE		375	19.0	19.0	X	O	O
C-28	PASSENGER SEAT AND BELTS 2 PLACE	35.0	409	29.0	-6.0	X	X	O
C-29	PASSENGER SEAT AND BELTS 1 PLACE		409	18.0	18.0	X	O	O
C-30	PASSENGER SEAT AND BELTS 2 PLACE	35.0	443	29.0	-6.0	X	X	O
C-31	PASSENGER SEAT AND BELTS 2 PLACE		472	24.0	24.0	X	O	O
C-32	UPHOLSTERED INTERIOR	150.0	251	136.0		X	X	X
C-33	LAVATORY				0.0	?	O	O
C-34	PASSENGER SEAT AND BELTS 2 PLACE				0.0	?	O	O
C-35	ATTENDANTS SEAT & BELT				0.0	?	O	O
C-36	BAGGAGE RACK				0.0	?	O	O
C-37	CONTAINER ASSEMBLY				0.0	?	O	O
C-38	PORTABLE O2 BREATHING UNIT				0.0	?	O	O
C-5	AUXILIARY BATTERY NI-CAD		120	82.0	82.0	X	?	?
C-32	GRAB LINE INST.		275	4.0	4.0	X	?	?
C-33	CONTROL ICS		140	1.8	1.8	X	?	?
C-34	XMTR (UNDERWATER)		275	0.5	0.5	X	?	?
C-35	YAW RATE GYRO		294	0.5	0.5	X	?	?
C-37	ELT 4000		405	1.7	1.7	X	?	?
C-38	RESCUE 99		108	3.6	3.6	X	?	?
C-39	JANTROL HOURMETER		117	1.0	1.0	X	?	?
C-42	CARGO DOOR PROTECTOR		160	16.0	16.0	X	?	?
C-43	SOEAKERS		300	4.0	4.0	X	?	?
C-44	RELAY PANEL		120	1.2	1.2	X	?	?
C-45	LIFERAFT		110	68.5	68.5	X	?	?
C-46	LIFERAFT		430	68.5	68.5	X	?	?
C-48	RIGHT-HAND AUX TANK		280	200.0	200.0	X	?	?
C-50	BAGGAGE FLOOR BOARD		201	13.5	13.5	X	?	?
C-51	REPLACEMENT VAPOUR BARRIER		243	20.0	20.0	X	?	?

C-53	EMERGENCY AXE		110	3.6	3.6	X	?	?
D-1	STARTER	35.0	179	35.0	0.0	X	X	X
D-2	OIL TANK	8.0	181	8.0	0.0	X	X	X
D-3	OIL - FULL		200		0.0	X	X	X
D-4	ENGINE L.H. 110-1				0.0	O	O	O
D-5	ENGINE R.H. 110-1				0.0	O	O	O
D-6	OIL, MAIN GEARBOX & OIL COOLER	77.0	274	77.0	0.0	X	X	X
D-7	HYDRAULIC PUMP	18.0	292	18.0	0.0	X	X	X
D-8	GENERATOR	96.0	295		-96.0	o	X	X
D-9	GENERATOR	47.0	300	47.0	0.0	X	X	X
D-10	BLOWER, OIL COOLER	8.0	317	8.0	0.0	X	X	X
D-11	FIRE EXTINGUISHER - ENGINE	19.0	329	19.0	0.0	X	X	X
D-12	TRANSMISSION OIL COOLER	28.0	332	28.0	0.0	X	X	X
D-13	ENGINE L.H. 140-1	324.0	207	324.0	0.0	X	X	X
D-14	ENGINE R.H. 140-1	324.0	207	324.0	0.0	X	X	X
D-15	AG-AIR HYDRAULIC SYSTEM		258		0.0	O	O	X
D-13	GENERATOR (2)		295	98.0	98.0	X	?	?
D-15	TEMP. BULB		275	0.5	0.5	X	?	?
D-16	MOTOR GENERATOR		300	47.0	47.0	X	?	?
D-17	IGV MONITORING SYS		144.3	3.0	3.0	X	?	?
E-1	BLOWER, FRESH AIR				0.0	O	O	O
E-2	BLOWER, FRESH AIR				0.0	O	O	O
E-3	FLUX VALVE AND COMPENSATOR	2.0	543	2.0	0.0	X	X	X
E-4	CATWALK	4.0	543	4.0	0.0	X	X	X
E-5	OIL, INTERMED AND TAIL GEARBOXES	5.0	687	5.0	0.0	X	X	X
E-6	RECEIVER				0.0	?	O	O
E-7	DYNAMOTOR				0.0	?	O	O
E-6	CVFDR & TRAY		525	21.7	21.7	X	?	?
E-7	ADF RECEIVER		252	42.0	42.0	X	?	?
E-8	VXP ACQUISITION UNIT		523	6.6	6.6	X	?	?
E-9	VXP HUMS SYSTEM		370.5	28.7	28.7	X	?	?
F-1	MAIN TIRES	50.0	221	50.0	0.0	X	X	X
F-2	TAIL TIRE	9.0	505	9.0	0.0	X	X	X
F-3	WIRE ANTENNA				0.0	?	O	O
F-4	LOOP ANTENNA				0.0	?	O	O
F-5	FIXED GEAR INSTALLATION				0.0	O	O	X
F-6	SPONSON INSTALLATION	971.0	171	971.0	0.0	X	X	O
F-7	HOIST				0.0	O	O	O

F-8	AERIAL LIQUID TANK		261		0.0	?	O	X
F-9	GOODRICH A/C RESCUE HOIST				0.0	?	O	O
F-10	ENG AIR INLET ICE DEFLECTOR				0.0	?	O	O
F-5	HOMER ANTENNA		145	4.0	4.0	X	?	?
F-6	HF ANTENNA		85	1.3	1.3	X	?	?
F-7	TRANSPONDER ANT.		70	0.3	0.3	X	?	?
F-8	DME ANT.		70	0.3	0.3	X	?	?
F-9	ADF ANT.		277	2.8	2.8	X	?	?
F-10	GPS ANT		102	0.8	0.8	X	?	?
F-11	MARKER BEACON ANT		140	1.0	1.0	X	?	?
F-12	#2 VHF		630	1.6	1.6	X	?	?
F-13	#1 VHF		519	1.6	1.6	X	?	?
F-14	FM ANT.		98	1.0	1.0	X	?	?
F-15	ANTENNA RADAR		26	6.1	6.1	X	?	?
F-16	RADOME		22	6.0	6.0	X	?	?
F-17	GLIDE SLOPE ANT.		48	1.0	1.0	X	?	?
F-18	VOR ANT. (2)		602	4.0	4.0	X	?	?
F-19	INLET SCREENS		168	20.0	20.0	X	?	?
F-20	OAT (HUMS)		85	0.5	0.5	X	?	?
F-21	INLET FOD SHIELD		154	34.0	34.0	X	?	?
F-23	ELT ANT.		447.0	0.3	0.3	X	?	?
F-24	#1 RAD ALT ANT.		90.0	1.3	1.3	X	?	?
F-25	#2 RAD ALT ANT.		90.0	1.3	1.3	X	?	?
F-26	GARMIN GPS ANT.		102.0	0.3	0.3	X	?	?
F-27	ADF ANT. (2ND UNIT)		372.0	3.1	3.1	X	?	?
F-29	OSAT COMBO ANT.		114.0	0.6	0.6	X	?	?
F-30	ADF WIRING HARNESS		301.5	5.0	5.0	X	?	?
G-1	MAIN ROTOR BLADES (METAL)		267.4	1051.1	1051.1	X	O	O
G-2	MAIN ROTOR FAIRING	8.0	267.0	8.0	0.0	X	X	X
G-3	TAIL ROTOR BLADES	31.0	705.0	31.0	0.0	X	X	X
G-4	MAIN ROTOR BLADES (COMPOSITE)	1135.0	267		-1135.0	O	X	X
G-5	BIFILAR ASSY (LESS COVERS)		267.0	166.0	166.0	X	?	?

4155.2

5197.4

TOTAL DIFFERENCE**1056.2***CANADA IS HEAVIER***CHART C****CANADA: 04-22-03 through 06-21-07**

8/21/2003	Replace Rotory with static inverter		85.75	0.5	0.5			
10/20/2003	Q sat 100		99	-4.2	-4.2			

10/27/2003	Chip Detector Warning		71.0	0.5	0.5			
10/27/2003	Chip Detector Relay		119.0	3.5	3.5			
10/27/2003	OSAT Combo ANT.		114.0	-0.6	-0.6			
10/27/2003	OSAT Mounting Tray		99.0	-0.5	-0.5			
10/29/2003	Install 5 batteries		286.1	5.0	5.0			
10/29/2003	Remove/Replace CVR tray		525.0	-14.7	-14.7			
12/11/2003	I-SAT 100		103.1	7.4	7.4			
8/11/2005	I-SAT controls		88.5	1.1	1.1			
11/28/2005	Ni-Cad Battery Removal (fwd)		45.0	-82.2	-82.2			
11/28/2005	Ni-Cad Battery Removal (aft)		120.0	-82.2	-82.2			
11/28/2005	Lead-Acid Battery Installation (fwd)		45.0	88.5	88.5			
11/28/2005	Lead-Acid Battery Installation (aft)		120.0	88.5	88.5			
12/15/2005	Arm Rests		99.0	3.2	3.2			
1/31/2006	Volume Boost		87.3	1.0	1.0			
3/15/2006	HF Ant. and controls		78.7	-23.4	-23.4			
4/29/2007	Sea Anchor Removal		78.0	-10.5	-10.5			
5/31/2007	FOD Shield		154.0	-34.0	-34.0			
5/31/2007	Inlet Screens		168.0	20.0	20.0			
6/21/2007	Right Aux. Fuel Tank Cell		280.0	-200.0	-200.0			

TOTAL CHANGE -233.1

CANADA IS 823 Pounds Heavier