

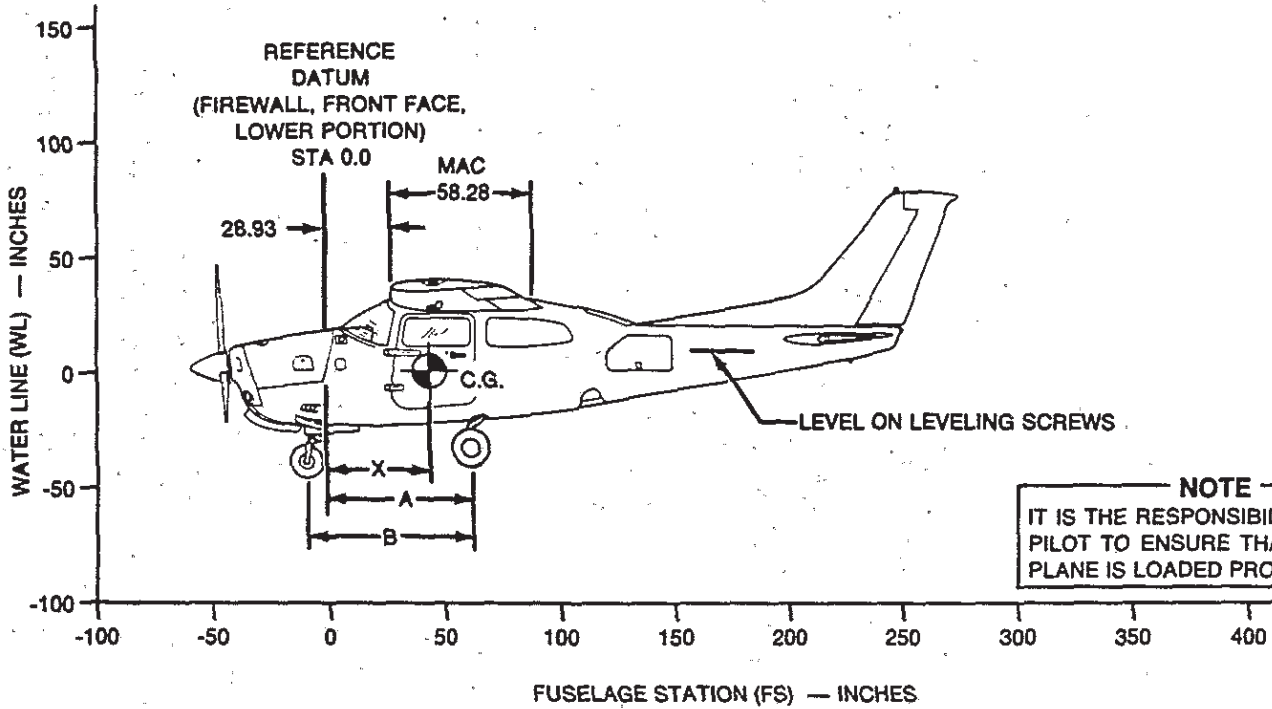
**MODELS 210R/T210R
CENTURION/TURBO CENTURION**

**WEIGHT AND
BALANCE DATA**



SERIAL NUMBER 21064969 REGISTRATION NUMBER N7584U DATE 1-24-86

AIRPLANE WEIGHING FORM



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

LOCATING CG WITH AIRPLANE ON LANDING GEAR

FORMULA for Longitudinal CG

$$(X) = (A) - \frac{(65.0) \text{ (Nose Gear Net Weight)} (918) \text{ (72.5)}}{\text{Nose and Main Landing Gear Weight Totald} (2559)} = (38.992) \text{ Inches } \left(\begin{array}{l} \text{Inches} \\ \text{Aft of} \\ \text{Datum} \end{array} \right)$$

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

LEVELING PROVISIONS

LONGITUDINAL — LEFT SIDE OF TAILCONE AT FS 166.05 & 194.45

LOCATING PERCENT MAC

FORMULA for Percent MAC

$$\text{CG Percent MAC} = \frac{(\text{CG Arm of Airplane}) - 28.93}{0.5828}$$

AIRPLANE AS WEIGHED TABLE

POSITION	SCALE READING	SCALE DRIFT	TARE	NET WEIGHT
LEFT SIDE	813			813
RIGHT SIDE	828			828
NOSE	918			918
AIRPLANE TOTAL AS WEIGHED				2559

BASIC EMPTY WEIGHT AND CENTER-OF-GRAVITY TABLE

ITEM	WEIGHT (POUNDS)	CG ARM (INCHES)	MOMENT (INCH-POUNDS/1000)
AIRPLANE (CALCULATED OR AS WEIGHED) (INCLUDES ALL UNDRAINABLE FLUIDS AND FULL OIL)	2559	39.0	99.8
DRAINABLE UNUSABLE FUEL AT 6.0 POUNDS PER GALLON STANDARD TANKS (3 GALLONS) --- LONG RANGE TANKS (5 GALLONS)	30	38.0	1.14
Shortages	30.3	70.8	2.14
BASIC EMPTY WEIGHT	2619.3	39.3	103.1

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

CESSNA MODEL 210 TURBO CENTURION
EQUIPMENT LIST

AIRCRAFT SERIAL NO. 21064969

FAA REGISTRATION NO. N7584U

CHG 04A

THE FOLLOWING IS A LIST OF EQUIPMENT INSTALLED IN THE AIRPLANE WHEN DELIVERED
BY THE MANUFACTURER.
AN ASTERISK (*) INDICATES EXCHANGE WEIGHT.

FACTORY KIT	ITEM	PART NUMBER	QTY	WEIGHT(LB)	ARM(IN)
1S	KRA-10A RADAR ALT W/KING AVN.			5.8	123.6
1T	400 ENCOD. ALT. (IN OF MERC)			2.8	16.3
4K	DUAL ALTERNATORS 28 VOLT 60 AMP		*	25.7	-21.6
5	ARMRESTS, INBOARD PILOT, COPILOT			1.5	37.0
12P	CLOCK/FUEL COMPUTER		*	1.2	-13.1
14	FIRE EXTINGUISHER (HAND)			5.5	35.0
16A	DETECTORS NAV. LIGHTS			0.2	41.2
21C	CUP HOLDERS (PILOT/COPILOT)			0.2	17.0
21P	APPROACH PLATE HOLDER			0.1	22.0
22B	PROP. ANTI-ICE (ELECTRIC)			7.4	-25.6
23	LIGHT, ICE DETECTION, LH			0.6	9.6
25D	FUEL TANKS (EXTENDED RANGE)		*	16.1	39.4
26	DE-ICE PARTIAL PLUMBING			4.2	48.9
33	TRUE SPEED IND.		*	0.1	18.0
39	GROUND SERVICE PLUG			2.0	-4.5
41J	VAC. SYS. DUAL PUMP		*	4.3	1.6
45G	HEADREST (PILOT/COPILOT)			1.8	48.0
45K	HEADREST (3RD & 4TH)			1.8	82.0

AIRCRAFT SERIAL NO. 21064969

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FACTORY KIT	ITEM	PART NUMBER	QTY	WEIGHT(LB)	ARM(IN)
46	HEATING SYS (STALL & PITOT)			0.6	33.5
46D	ANTI-ICE WINDSHILD			2.1	9.2
55Q	LIGHTS, ELECTROLUMINESCENT			2.3	17.5
56A	BEACON LIGHT (OMNI-FLASH)			1.9	210.3
56B	STROBE LIGHT			3.8	42.5
57	COURTESY LIGHTS			0.5	51.4
6000	74 C.F. OXYGEN SYSTEM, OVERHEAD			50.6	55.6
62B	ENGINE PRIMING SYSTEM			2.5	1.6
73G	SEAT PILOT VERT & LUMBAR ADJ		*	1.9	-16.2
73K	SEAT PSNGR VERT & LUMBAR ADJ		*	6.9	27.4
86R	RETRACTABLE CABIN STEP			3.5	42.0
86X	RH WRITING TABLE			6.5	61.5
95B	WINDOW, HINGED			2.3	47.0
140	LOCATOR BEACON			3.0	159.0
144S	400B INTERGRATED FLT CNTL SYS		*	38.5	77.3
193R	REMOTE TRSPDR SWITCH			0.2	22.5
260	KING PACKAGE			43.8	29.4
797F	CDT.GRAY ALL METAL INSTR PANEL			-1.0	19.4

FACTORY KIT	ITEM	PART NUMBER	QTY	WEIGHT(LB)	ARM(IN)
TOTAL OPTIONAL EQUIPMENT WEIGHT		251.22 LB	MOMENT	10367.66	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-*

R. D. Hamilton Executive Engineer
 Cessna Aircraft Co., Aircraft Div
 Delegation Option Manufacturer, CE-1
 By *Carl J. Gerker*
 Carl J. Gerker

CESSNA MODEL 210 TURBO CENTURION
 EQUIPMENT LIST

AIRCRAFT SERIAL NO. 21064969	FAA REGISTRATION NO. N7584U	CHG 04
	(LB)	(IN-LB)
STANDARD LICENSED EMPTY WEIGHT (OPERATIONAL)	0.	MOMENT 0.
TOTAL OPTIONAL EQUIPMENT WEIGHT	251.	MOMENT 10368.
UNUSABLE FUEL WEIGHT	0.	MOMENT 0.
ANTICIPATED AIRCRAFT WEIGHT	251.	MOMENT 10368.

EQUIPMENT SERIAL NUMBERS

AIRCRAFT MODEL T210 SERIAL 64969 REGISTRATION N7584U
ENGINE—#1 530109 #2 N/A PROPELLER—#1 851362 #2 N/A

MISCELLANEOUS

MAGNETOS

#1.....	L	<u>5090052</u>	R	<u>5090054</u>	L	_____	R	_____
#2.....	L	_____	R	_____	L	_____	R	_____
PROP GOVERNOR.....	L	<u>850591</u>	2	_____	L	_____	2	_____
STARTER.....	L	<u>W188599</u>	2	_____	L	_____	2	_____
VACUUM PUMP.....	L	<u>11AA5055</u>	2	<u>8F6071</u>	L	_____	2	_____
CARBURETOR METERING UNIT.....	L	<u>K188501A</u>	2	_____	L	_____	2	_____
TURBO.....	L	<u>OE0113</u>	2	_____	L	_____	2	_____
ENGINE FUEL PUMP.....	L	<u>K168506B</u>	2	_____	L	_____	2	_____
WASTEGATE VALVE.....	L	<u>OD0163</u>	2	_____	L	_____	2	_____
ALTERNATOR.....	L	_____	2	_____	L	_____	2	_____
AIR CONDITIONER COMPRESSOR..	L	_____	R	_____	L	_____	R	_____
TURBO RELIEF VALVE.....	L	<u>NG0110</u>	2	_____	L	_____	2	_____
TURBO CONTROLLER.....	L	<u>OG0156</u>	2	_____	L	_____	2	_____
ELECTRIC VACUUM PUMP.....	L	_____	2	_____	L	_____	2	_____
FUEL SHUT-OFF VALVE.....	L	_____	2	_____	L	_____	2	_____
FUEL SELECTOR VALVE.....	L	_____	R	_____	L	_____	R	_____
AUX. FUEL PUMP.....	L	_____	R	_____	L	_____	R	_____
MAIN GEAR.....	L	<u>614258</u>	R	<u>614228</u>	L	_____	R	_____
NOSE GEAR.....	L	<u>9075</u>	_____	_____	L	_____	_____	_____
GEAR SELECTOR VALVE.....	L	<u>6720</u>	_____	_____	L	_____	_____	_____
LANDING GEAR ACTUATOR.....	L	<u>1333</u>	R	<u>1318</u>	L	_____	R	_____
NOSE GEAR ACTUATOR.....	L	<u>2902</u>	_____	_____	L	_____	_____	_____
POWER PACK.....	L	<u>248</u>	_____	_____	L	_____	_____	_____
DOWN LOCK ACTUATOR.....	L	<u>7064</u>	R	<u>7066</u>	L	_____	R	_____
HAND PUMP (HYDRAULIC).....	L	<u>6579</u>	_____	_____	L	_____	_____	_____
CARRY-THRU SPAR.....	L	<u>4702</u>	_____	_____	L	_____	_____	_____
KEYS.....	L	<u>ASC-94</u>	_____	_____	L	_____	_____	_____
DIGITAL CLOCK.....	L	<u>01359</u>	_____	_____	L	_____	_____	_____
STROBE LIGHT POWER SUPPLY...	L	<u>824256</u>	R	<u>824257</u>	L	_____	R	_____
DE-ICE SOLENOID VALVES.....	FW INBD	_____	OUTBD	_____	FW INBD	_____	OUTBD	_____
WING.....	L	_____	R	_____	L	_____	R	_____
	T/C	_____	BELLY	_____	T/C	_____	BELLY	_____

YAW DAMPENER.....

AUTOPILOT

ROLL ACTUATOR.....	<u>13140</u>	<u>Mount 30735</u>	_____	_____
PITCH ACTUATOR.....	<u>304</u>	_____	_____	_____
PITCH TRIM ACTUATOR.....	<u>9844</u>	_____	_____	_____
COMPUTER AMPLIFIER.....	<u>10270</u>	_____	_____	_____
CONTROLLER.....	<u>2928</u>	_____	_____	_____
ACCELEROMETER.....	_____	_____	_____	_____
PITCH TRIM SENSOR.....	_____	_____	_____	_____
MODE SELECTOR.....	<u>3299</u>	_____	_____	_____
ALTITUDE SENSOR.....	<u>9134</u>	_____	_____	_____
ALTITUDE ALERT SYS.....	_____	_____	_____	_____
SLAVING ACCESSORY.....	<u>1-6222A</u>	_____	_____	_____
BATTERY.....	<u>G0841264</u>	_____	_____	_____
G-METER.....	_____	_____	_____	_____
SYNCHROPHASER.....	_____	_____	_____	_____

Karl Biny
INSPECTOR

2-5-86
DATE

KING AVIONICS
EQUIPMENT SERIAL NUMBERS

AIRCRAFT MODEL T210

SERIAL 64969

REGISTRATION N75844

Description	Model No.	Serial Numbers			
		No. 1	No. 2	No. 1	No. 2
ADF RECEIVER	KR-87	<u>24434</u>	_____	_____	_____
ADF INDICATOR	KI-227	<u>7799</u>	_____	_____	_____
ADF LOOP ANTENNA	KA-44B	<u>18981</u>	_____	_____	_____
XPDR R/T UNIT	KT-79	<u>3008</u>	_____	_____	_____
XPDR F/T DATE	_____	<u>1-15-46</u>	_____	_____	_____
DME R/T UNIT	KN-63	<u>5978</u>	_____	_____	_____
DME INDICATOR	KDI-572	<u>7689</u>	_____	_____	_____
RMI UNIT	KI-229	_____	_____	_____	_____
RADAR ALT R/T UNIT	KRA-10A	<u>12999</u>	_____	_____	_____
RADAR ALT ANTENNA	KA-131	<u>6838</u>	_____	_____	_____
RADAR ALT INDICATOR	KI-250	_____	_____	_____	_____
PHONE	KT-96	_____	_____	_____	_____
ANTENNA	KA-55	_____	_____	_____	_____
VOLT CONVERTER	KA-39	_____	_____	_____	_____
HANDSET	KA-115	_____	_____	_____	_____
NAV/COM/W/GLSP	KX-165	<u>13385</u>	_____	_____	_____
AUDIO MRK PNL	KMA-24	<u>20135</u>	_____	_____	_____
INDICATOR	KI-206	<u>16090</u>	_____	_____	_____
RNAV UNIT	KNS-81	<u>5462</u>	_____	_____	_____
RNAV INDICATOR	KI-206	<u>16090</u>	_____	_____	_____
CUMM RECEIVER	KY-196	<u>18465</u>	_____	_____	_____
RADAR INDICATOR	KI-244	_____	_____	_____	_____
RADAR R/T UNIT	KA-126	_____	_____	_____	_____