

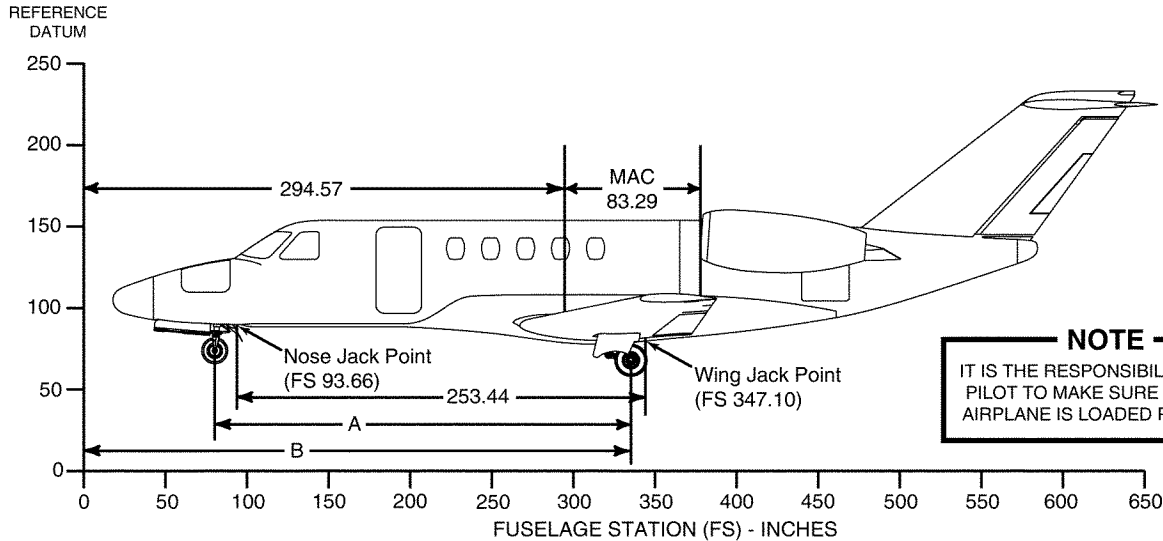
**MODEL 525C
CITATION CJ4**

**WEIGHT AND
BALANCE DATA**



SERIAL NUMBER 525C0072 REGISTRATION NUMBER PR-VZN DATE 2/27/2015

AIRPLANE WEIGHING FORM - U.S. UNITS



LOCATING CG WITH AIRPLANE ON LANDING GEAR

LEGEND

DIMENSION A = Horizontal distance from center of main landing gear axle to center of nose landing gear axle (determined by measurement after airplane is level on scales).
 DIMENSION B = Horizontal distance from reference datum to center of nose landing gear axle. Obtain this distance by measuring from nose jack point FS 93.66 to center of nose landing gear axle and subtracting this value from dimension A and adding to FS 93.66. (Must be measured after airplane is level on scales.)

FORMULA for Longitudinal CG

$$\text{CG Arm of Airplane} = (\text{Dimension B}) - \frac{(\text{Dimension A}) \times (\text{Nose Landing Gear Net Weight})}{\text{Nose and Main Landing Gear Weight Total}} = (\quad) \text{ Inches Aft of Datum}$$

LOCATING CG WITH AIRPLANE ON JACK PADS

FORMULA for Longitudinal CG

$$\text{CG Arm of Airplane} = 347.10 - \frac{253.44 \times (\text{Nose Jack Point Net Weight})}{\text{Nose and Wing Jack Point Weight Total}} = (\quad) \text{ Inches Aft of Datum}$$

LEVELING PROVISIONS

LATERAL AND LONGITUDINAL-
USE LEVELING TOOL ACROSS
INBOARD SEAT TRACKS AT
APPROXIMATELY FS 145.54

LOCATING PERCENT MAC

FORMULA for Percent MAC

$$\text{CG Percent MAC} = \frac{(\text{CG Arm of Airplane}) - 294.57}{0.833}$$

AIRPLANE AS WEIGHED TABLE

POSITION	SCALE READ	SCALE DRIFT	TARE	NET WEIGHT
LEFT WING	4494.00	0.00	0.00	4494.00
RIGHT WING	4448.00	0.00	0.00	4448.00
NOSE	949.00	0.00	0.00	949.00
AIRPLANE TOTAL AS WEIGHED				9891.00

BASIC EMPTY WEIGHT AND CENTER-OF-GRAVITY TABLE

ITEM	WEIGHT (POUNDS)	CG ARM (INCHES)	MOMENT (INCH-POUNDS/100)
AIRPLANE (CALCULATED OR AS WEIGHED) (INCLUDES ALL UNDRAINABLE FLUIDS AND FULL OIL)	9891.00	322.78	31926.17
DRAINABLE UNUSABLE FUEL AT 6.70 POUNDS PER GALLON	33.60	313.77	105.43
	0.00	0.00	0.00
BASIC EMPTY WEIGHT	9924.60	322.75	32031.60