

# **Chapter 08**

# **LEVELING AND WEIGHING**

FBA-2C1, FBA-2C2, FBA-2C3  
FBA-2C4, FBA-2C3T, FBA-2C4T

Found Aircraft Canada  
Maintenance Program FAC2-M200

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FBA-2C1, FBA-2C2, FBA-2C3  
FBA-2C4, FBA-2C3T, FBA-2C4T

Found Aircraft Canada  
Maintenance Program FAC2-M200

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FBA-2C1, FBA-2C2, FBA-2C3  
FBA-2C4, FBA-2C3T, FBA-2C4T

Found Aircraft Canada  
Maintenance Program FAC2-M200

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## **08 LEVELING AND WEIGHING**

### **08-10 LEVELING**

See Chapter 07, LIFTING AND SHORING for information on jacking the aircraft.

The passenger floor is used for leveling the aircraft both longitudinally and laterally. Ensure that the floor is in good condition and is not bowed, heaved or sagging, and all loose equipment is removed so it will not interfere with the level.

To level the aircraft longitudinally, place a spirit level, or digital type level as close as possible to any seat rail. Ensure that the level is parallel to the aircraft centerline.

To level the aircraft laterally, place the level on top of the seat rails. Ensure that the level is parallel to the wing spar.

Jack the aircraft as required to a level position.

FBA-2C1, FBA-2C2, FBA-2C3  
FBA-2C4, FBA-2C3T, FBA-2C4T

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## **08-20 WEIGHING**

See Chapter 07, LIFTING AND SHORING for information on jacking the aircraft.

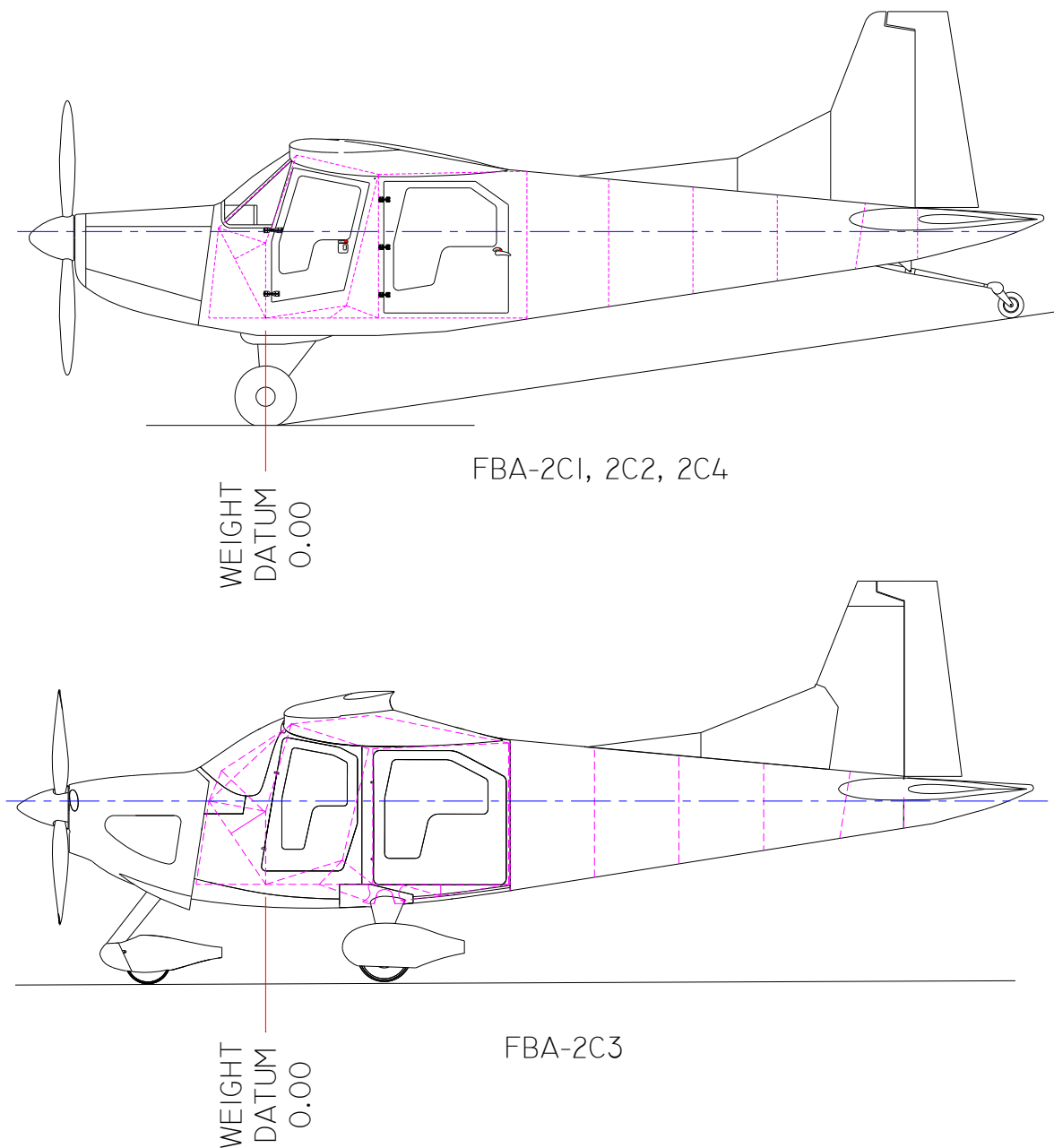
See Chapter 08-10 for information on leveling the aircraft.

The aircraft must be weighed in the level position.

The 2C1, 2C2 and 2C4 aircraft weight datum is located at the center of the main landing gear beam. The datum lines up with the center line of the fuselage steel tube measured at floor level just forward of the pilot's and co-pilot's doors. Aircraft S/N 106 onwards have this location labelled by a placard on the exterior and interior of the aircraft – reference Chapter 6. All measurements aft of this will use positive numbers for the arm. All measurements forward of this will use negative numbers for the arm. (Ref: Figure 08-20-01 and Chapter 6, Figure 06-20-01)

The 2C3 aircraft weight datum is located at the center line of the fuselage steel tube measured at floor level just forward of the pilot's and co-pilot's doors. This location is labelled by a placard on the exterior and interior of the aircraft – reference Chapter 6. All measurements aft of this will use positive numbers for the arm. All measurements forward of this will use negative numbers for the arm. (Ref: Figure 08-20-01 and Chapter 6, Figure 06-20-01)

See Found Aircraft Canada Inc. Pilots Operating Handbook (FAC2-M100 for 260 HP, FAC2-M300 or FAC2-M400 for 300 HP, FM2C3 or FM2C4 for 315 HP) for instructions on calculating Weight and Balance and Center of Gravity.



**Figure 08-20-01 Weight Datum Diagram**